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List of exhibits being filed: Volume VIII

Sierra Club
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BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

- - -

In the Matter of the Application of Ohio Edison Company, The Cleveland Electric Illuminating Company, and The Toledo Edison Company for Authority to Provide for a Standard Service Offer Pursuant to R.C. 4928.143 in the Form of an Electric Security Plan.	:	Case No. 14-1297-EL-SSO

- - -

PROCEEDINGS

before Mr. Gregory Price, Ms. Mandy Chiles, and Ms. Megan Addison, Attorney Examiners, at the Public Utilities Commission of Ohio, 180 East Broad Street, Room 11-A, Columbus, Ohio, called at 9:00 a.m. on Thursday, September 10, 2015.

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VOLUME VIII

- - -

ARMSTRONG & OKEY, INC.
222 East Town Street, Second Floor
Columbus, Ohio 43215-5201
(614) 224-9481 - (800) 223-9481
Fax - (614) 224-5724

- - -

SC13

Sierra Club Set 1
Witness: Judah L. Rose

Case No. 14-1297-EL-SSO
Ohio Edison Company, The Cleveland Electric Illuminating Company and
The Toledo Edison Company for Authority to Provide for a Standard Service Offer
Pursuant to R.C. § 4928.143 in the Form of an Electric Security Plan

RESPONSES TO REQUEST

SC Set 1 – INT-39

Refer to page 55, lines 10-17 of the Rose Testimony. With regards to ICF's forecast of potential CO2 prices:

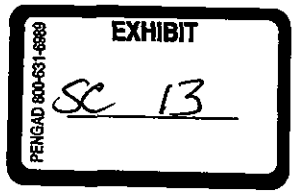
a. Identify the date of the ICF forecast that Mr. Rose used.
b. Identify the probabilities that ICF gave to each of the three referenced CO2 price scenarios and explain the basis for such probabilities.

Response:

a. Mid-2014.

b. Please see the table below for ICF CO2 Probabilities. ICF probability weights three forecasts: 1) no co2 policy, 2) a federal mass cap policy and 3) a stringent federal policy. ICF feels some type of carbon control program will take place on the federal level in time. Hence the "No CO2 Policy" probabilities fade over time. The Mass Cap is based on preliminary views on EPA's 111d program proposals. ICF feels this has the most traction and thus has the highest weighting. A Waxman-Markey type program is very stringent and thus has the lowest probability.

Probability	**2016**	**2018**	**2020**	**2023**	**2030**	**2037**
No CO2 policy	100%	100%	60%	40%	20%	15%
Mass cap - 1500lb/MWh to 1000 lb/MWh	0%	0%	40%	60%	80%	70%
Waxman-Markey	0%	0%	0%	0%	0%	15%
Total	100%	100%	100%	100%	100%	100%



SC14

Sierra Club Set 1
Witness: Judah L. Rose

Case No. 14-1297-EL-SSO
Ohio Edison Company, The Cleveland Electric Illuminating Company and
The Toledo Edison Company for Authority to Provide for a Standard Service Offer
Pursuant to R.C. § 4928.143 in the Form of an Electric Security Plan

RESPONSES TO REQUEST

SC SET 1 – INT-28

Refer to page 19, line 20 through page 20, line 2 and Figure 4 of the Rose Testimony:

a. Identify the complete factual basis for this portion of Mr. Rose's testimony.
b. Identify the magnitude of, and the timeframe for, the "[e]xpected demand growth" referenced in this testimony.
c. Identify, in percent or amount, the size of the impact that Mr. Rose expects demand growth to have on energy prices and capacity prices.

RESPONSE :

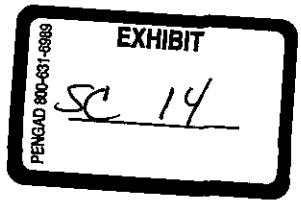
Original Response Date 9-30-14

a. Objection. This request calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co., 1971) (improper use of discovery device or interrogatory to require detailed narrative response). This request is also vague and ambiguous, overbroad and unduly burdensome.
b. The ICF electricity demand forecast is contained in Mr. Rose's work papers, and is discussed on pages 50 and 51 of his testimony.
c. Objection. This request purports to require the witness to perform additional analyses. Subject to and without waiving the objection, Mr. Rose has not performed this analysis.

SUPPLEMENTAL RESPONSE:

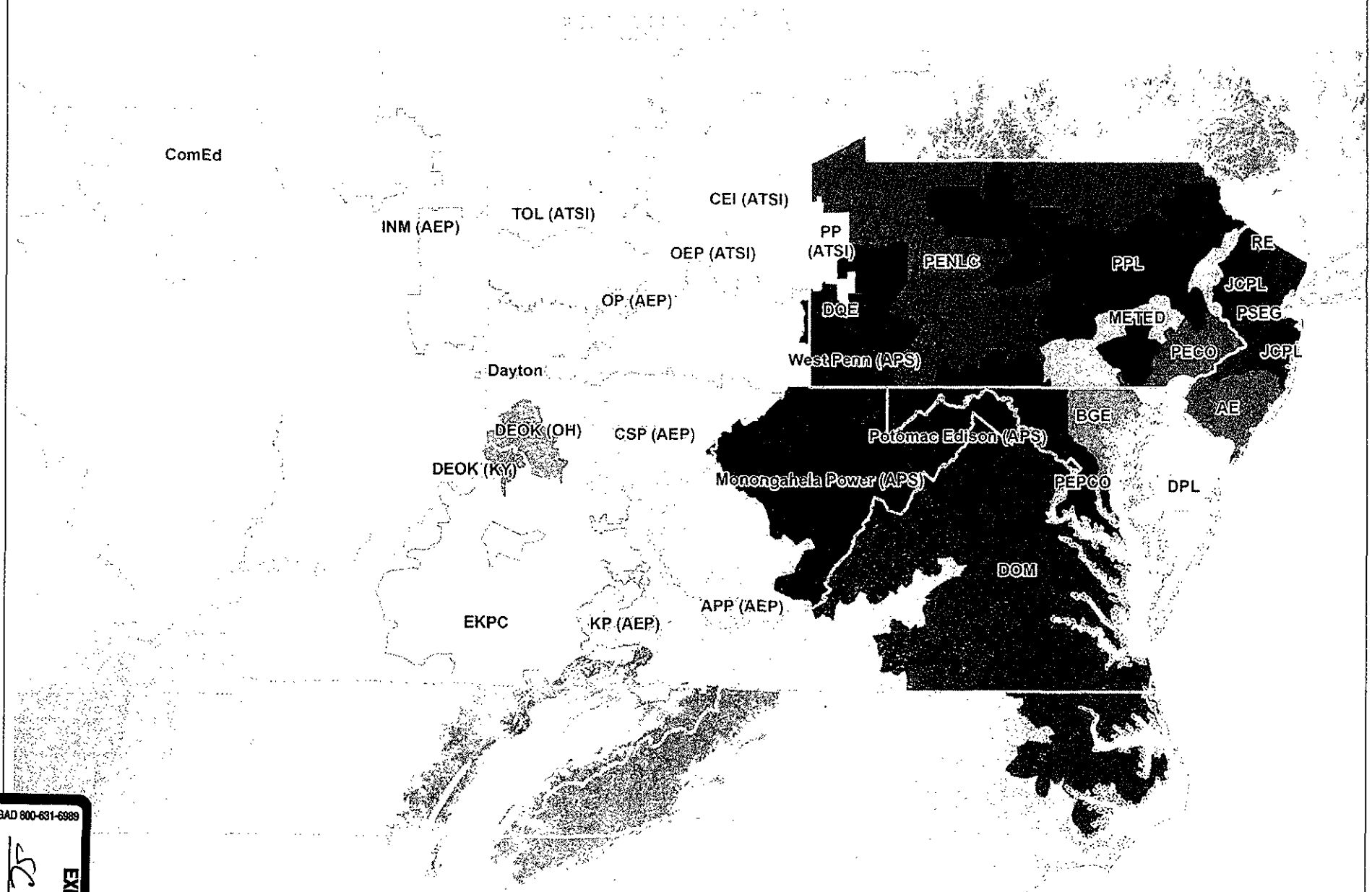
Supplemental Response Date 10-24-14

a. Objection. This request calls for an improper narrative response. See Penn Cent. Transp. Co. v. Armco Steel Corp., 271 N.E.2d 877 (Montgomery Co., 1971) (improper use of discovery device or interrogatory to require detailed narrative response). This request is also vague and ambiguous, overbroad and unduly burdensome. Subject to and without waiving the foregoing objections, in this portion of his testimony Mr. Rose relies upon his professional experience.
b. The ICF electricity demand forecast is contained in Mr. Rose's work papers, and is discussed on pages 50 and 51 of his testimony.
c. Objection. This request purports to require the witness to perform additional analyses. Subject to and without waiving the objection, Mr. Rose has not performed this analysis.



SC 15

PJM Load Forecast Report



Prepared by PJM Resource Adequacy Planning Department

PENGAD 800-631-6989

EXHIBIT

SC 15

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TERMS AND ABBREVIATIONS USED IN THIS REPORT

AE	Atlantic Electric zone (part of Pepco Holdings, Inc)
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)
Base Load	Average peak load on non-holiday weekdays with no heating or cooling load. Base load is insensitive to weather.
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 (part of Pepco Holdings, Inc)
EKPC	East Kentucky Power Cooperative (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
PECO	PECO Energy zone
PED	Potomac Edison, sub-zone of APS
PEPCO	Potomac Electric Power zone (part of Pepco Holdings, Inc)
PL	PPL Electric Utilities, sub-zone of PLGroup
PLGroup/PLGRP	Pennsylvania Power & Light zone
PENLC	Pennsylvania Electric zone
PP	Pennsylvania Power, sub-zone of ATSI
PS	Public Service Electric & Gas zone
RECO	Rockland Electric (East) zone (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, accelerated energy efficiency 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

2015 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 2014. The models were simulated with weather data from years 1973 through 2013, generating 533 scenarios. The economic forecast used was Moody's Analytics' October 2014 release.

- The forecast of the EKPC zone used historic load values that were re-calculated to be consistent with load on that transmission system. This led to higher peak loads for both summer and winter forecasts.

- Table B-7 has been restructured to provide load management detail by Demand Resource product (Limited, Extended Summer, and Annual). The previous B-7 detail (Contractually Interruptible and Direct Control) has been added to Tables B-11 and B-12, as it is required to be reported by NERC region.

- The introduction of a binary variable into the load forecast model for years 2013 and 2014 resulted in generally lower peak and energy forecasts in this year's report, compared to the same year in last year's report. PJM introduced this change as a short-term solution as it pursues its announced intention to better reflect usage trends such as adoption of more energy efficient end uses and behind the meter generation which are not currently captured in the forecast model.

- The forecast of the DOM zone has been adjusted to account for substantial on-going growth in data center construction, which adds 150-730 MW to the summer peak beginning in 2016.

- Included in the report is a second set of E-Tables (net energy), representing an alternative derivation of the forecast. This version incorporates a new specification that takes into account energy usage trends (changing appliance mixes, energy efficiency, etc.) based on Energy Information Administration information obtained from Itron, Inc.

- The PJM RTO weather normalized summer peak for 2014 was 156,140 MW. The projection for the 2015 PJM RTO summer peak is 155,544 MW, a decrease of 596 MW, or 0.4%, from the 2014 normalized peak. The decrease is a result of the introduction of the new variable to the load forecast model mentioned above.

- Summer peak load growth for the PJM RTO is projected to average 1.0% per year over the next 10 years, and 0.9% over the next 15 years. The PJM RTO summer peak is forecasted to be 171,580 MW in 2025, a 10-year increase of 16,036 MW, and reaches 178,052 MW in 2030, a 15-year increase of 22,508 MW. Annualized 10-year growth rates for individual zones range from 0.4% to 1.7%.

- Winter peak load growth for PJM RTO is projected to average 0.9% per year over the next 10-year period, and 0.9% over the next 15-years. The PJM RTO winter peak load in 2024/25 is forecasted to be 142,561 MW, a 10-year increase of 12,850 MW, and reaches 147,981 MW in 2029/30, a 15-year increase of 18,270 MW. Annualized 10-year growth rates for individual zones range from 0.2% to 1.7%.

- Compared to the 2014 Load Report, the 2015 PJM RTO summer peak forecast shows the following changes for three years of interest:
  - The next delivery year – 2015 -4,716 MW (-2.9%)
  - The next RPM auction year – 2018 -4,351 MW (-2.6%)
  - The next RTEP study year – 2020 -4,152 MW (-2.5%)

- Assumptions for future Load Management (LM) have decreased from the 2014 Load Report (from approximately 12,400 MW to 11,100 MW). Energy Efficiency (EE) impacts have increased from approximately 900 MW to 1,200MW. Assumptions for both LM and EE are based on Reliability Pricing Model (RPM) auction results.

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 or energy efficiency impacts.
All compound growth rates are calculated from the first year of the forecast.

Summary Table

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR PJM RTO AND SELECTED GEOGRAPHIC REGIONS

	METERED 2014	UNRESTRICTED 2014	NORMAL 2014		THIS YEAR 2015	RPM YEAR 2018	RTEP YEAR 2020
PJM RTO	141,395	141,402	156,140		155,544	161,128	164,443
				Growth Rate	-0.4%		
Demand Resources + Energy Efficiency					-15,763	-12,335	-12,335
PJM RTO - Restricted					139,781	148,793	152,108
PJM MID-ATLANTIC	54,948	54,964	59,505		58,901	60,737	61,639
				Growth Rate	-1.0%		
Demand Resources + Energy Efficiency					-6,661	-4,460	-4,460
MID-ATL - Restricted					52,240	56,277	57,179
EASTERN MID-ATLANTIC	30,083	30,083	32,660		32,194	33,191	33,701
				Growth Rate	-1.4%		
Demand Resources + Energy Efficiency					-2,593	-1,555	-1,555
EMAAC - Restricted					29,601	31,636	32,146
SOUTHERN MID-ATLANTIC	12,963	12,963	13,920		13,721	14,046	14,259
				Growth Rate	-1.4%		
Demand Resources + Energy Efficiency					-2,062	-1,556	-1,556
SWMAAC - Restricted					11,659	12,490	12,703

Note:
Normal 2014 and all forecast values are non-coincident as estimated by PJM staff.
Except as noted, all values reflect the membership of the PJM RTO as of June 1, 2014.

December 2014

Adam Ozimek, 610-235-5127

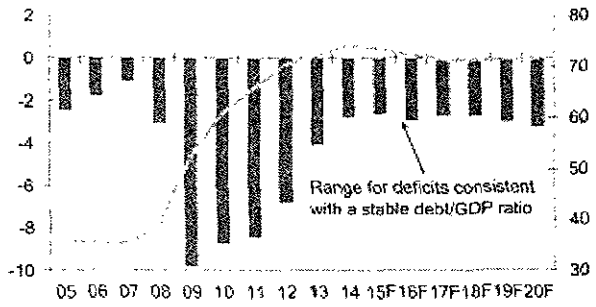
Summary of the November 2014 U.S. Macro Forecast

The U.S. economy heads into 2015 in better shape than in any of the first five years following the financial collapse. Real GDP growth has shifted into a higher gear recently; we are now in a 3% growth economy that will accelerate closer to 4% for a few quarters late next year. This is a meaningful improvement from the 2% world that has characterized the sluggish recovery, and the acceleration is mostly due to the public sector stepping out of the way. Fiscal drag—at both the federal and state and local levels—reduced GDP growth by nearly a full percentage point per annum during the 2009-2013 period. The 3% world would have been realized long ago if government had been even a neutral contributor.

It is impressive that the economy was as resilient as it was given the unprecedented cuts. Federal employment declined by 160,000 and state and local governments shed 700,000 jobs. Direct government job losses were just the beginning, as the private sector felt shock waves from government shutdown, sequestration, and a debt-ceiling crisis. But fiscal drag has dissipated and government spending may even add to growth in 2015. The federal deficit has been reined in significantly and is now at a sustainable 3% of nominal GDP, so deficit hawks in Congress are not likely to generate much support for additional cost-cutting in the near term.

Deficits Return to a Sustainable Range

Federal fiscal yr budget balance, % of GDP



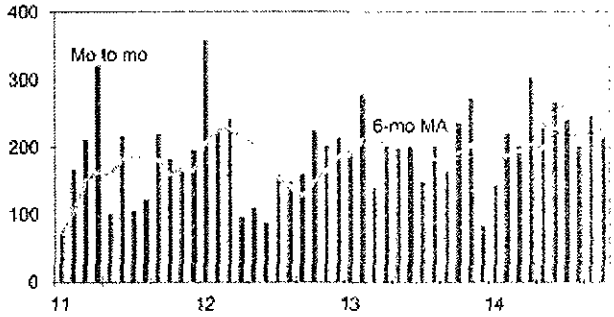
Sources: CBO, Moody's Analytics

The private sector is also in much better shape. The labor market provides the best evidence that the economy is off and running. Job growth is the best it has been since late 2011 and shows no signs of slowing. The economy is adding upwards of 225,000 jobs per month in 2014, up from the ho-hum 200,000 rate that prevailed the last few years. At this pace, unemployment and underemployment

are rapidly diminishing. The number of long-term unemployed is now falling, and more part-timers are finding full-time jobs. Assuming labor force participation remains steady, as it has over the past year, the economy will return to full employment by late 2016. Although the slack in the labor market remains considerable, at an estimated well over 1% of the labor force, there are nascent indications of stronger wage growth. The employment cost index, arguably the most accurate measure of labor compensation trends, has seemingly broken above the 2% pace that has prevailed since the economic recovery began.

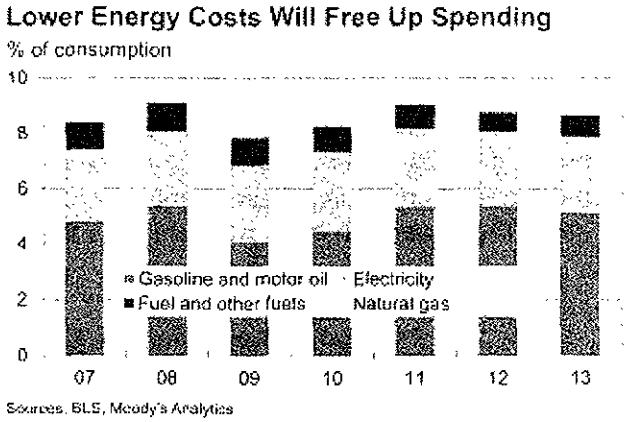
Trend Job Growth Has Kicked Up a Notch

Payroll employment, change, ths



Sources: BLS, Moody's Analytics

More jobs and stronger wage growth augur well for better consumer spending. Consumers have been careful spenders throughout the recovery. Saving rates have held firm, with the exception of the millennials, who have recently begun to let loose. The stable saving rates are somewhat surprising given that stock prices are setting records and housing values have risen strongly. There has not been a discernible wealth effect. Despite the caution, consumers should increase their spending with any increase in their incomes. Adding to consumers' purchasing power is the sharp 25% decline in oil prices. If prices stabilize near their current level of just over $80 per barrel, which is expected, household energy bills will be reduced by close to $75 billion next year. That is more than $500 in savings for each American household. Even assuming that only two-thirds of this is spent, approximately a quarter percentage point would be added to GDP growth in 2015. There will be some offset to growth from weaker energy exploration and development, but this should be modest. Breakeven for most North American shale oil producers is closer to $75 per barrel. Prices would also have to stay low for much longer to convince these producers that the lower prices are here to stay and persuade them to significantly pull back on their investments.



The better job market also improves prospects for a revival in the housing recovery. Single-family housing demand went sideways the summer before last when fixed mortgage rates jumped on concerns that the Federal Reserve might wind down its bond-buying program. With unemployment still high and wages depressed, the higher borrowing costs undermined affordability. First-time homebuyers were especially put off, as they also grappled with very tight mortgage lending standards. More jobs combined with lower mortgage rates should prove a strong enticement to more homebuyers. Homebuilders also appear to be adjusting and are putting up smaller homes at more affordable price points. Mortgage credit is still tight, but it is slowly easing as policymakers work to bring down the regulatory impediments to more first mortgage lending. This is a process and will take time, but it is happening.

Prospects for multifamily building are even better. The millennials are getting jobs and apartments. Rental vacancy rates are at 20-year lows, and at the current pace of construction they are set to fall further. Rent growth in much of the country is already strong and will accelerate. Capital is also flowing freely into multifamily development. Everything suggests that more units will soon be going up.

Risks to the U.S. Outlook

There are some risks to the outlook but they appear less threatening than in recent years. Most significantly, the euro zone may be headed for another recession. Italy and France are contracting and even the usually robust German economy has slowed noticeably. Deflation is rearing its head, which raises alarms not only for a recession but a prolonged secular stagnation. Fortunately, the European Central Bank has taken a more aggressive stance to support growth through bond-buying and low interest rates.

The U.S. economy's links to Europe, while significant, are small in the broad scheme of things. Exports account for less than 15% of U.S. GDP, and U.S. exports to the EU account for about 20% of all exports. U.S. exports to the EU thus account for 3% of U.S. GDP. Even if the EU suffered a Great Recession-like decline of 5% in its GDP next year, the direct impact on U.S. growth would be 0.15%. This clearly understates the fallout on the U.S. economy, but it highlights that it would take a very serious problem in the EU to hurt the U.S. expansion.

There are many other clear threats to the U.S. economy. China's slowdown may prove trickier than anticipated, ISIS-spawned terrorism is a concern, Russian President Vladimir Putin could double down in Ukraine, and the potential for a conflict with Iran over its nuclear program remains. And there is Ebola. But there are always risks, and in some respects the current ones seem less risky than those we have grappled with since the financial collapse and Great Recession. Of course, things could still go off the rails, but for the first time in many years it feels as though the U.S. economy is firmly on the tracks.

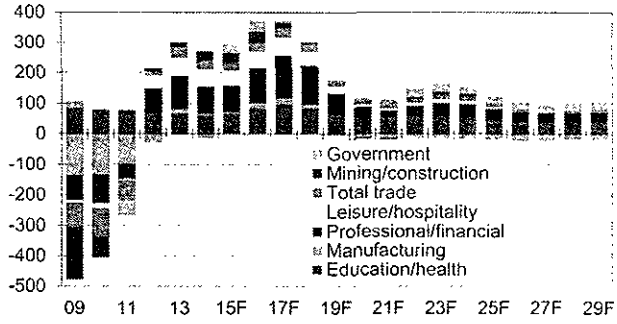
Summary of the Forecast for PJM Service Territories

The PJM service territory covers all or parts of 13 states and the District of Columbia, accounting for more than 52 million people, or about a sixth of the U.S. population. The regional economies of the service territory include metro areas in the Midwest, South and Northeast and run the gamut from highly diversified, large economies such as Chicago, to small economies that depend heavily on one industry, such as Elkhart IN.

Overall, the dominant industry in the service territory is education/healthcare. In addition to employing the largest share of the region's workers, about 17%, it was one of the few industries to add jobs during the recession. As a result, for at least the last decade, healthcare has taken up an increasing share of the economy. Healthcare hiring has exceeded overall employment growth in PJM's service territory, but growth has fallen short of expectations. Slower than expected growth is the result of hospital cost-cutting and consolidation, both of which are partly due to adjustments required to conform to Affordable Care Act. Over the longer term, increasing demand from the expanding elderly population will support job gains. Consistent with the historical trend, education- and healthcare-related services will provide a significant share of new jobs in the forecast period.

Education/Health Will Drive Job Gains

Employment, difference, ths



Sources: BLS, Moody's Analytics

On average, the concentration of manufacturing in the service territory is roughly in line with the national average, but more than half of the metro areas, mainly smaller old-line manufacturing localities in the Northeast and Midwest, rely more heavily on industrial production for growth.

The resource and mining industry represents a small portion of the service territory's economy, but it has been a source of strength in recent years, especially in eastern Ohio and western Pennsylvania. As the industry has moved from the boom stage to a more mature growth stage, many of the gains have been realized already. It will remain a source of growth.

While the public sector has a slightly smaller presence in the service territory than it does nationally, the federal government accounts for a larger share of employment. The public sector is a pillar of the Mid-Atlantic and many southern metro areas in the service territory include state capitals, college towns and military-reliant areas. With federal budget deficits at 3% and the deficit forecast over the next 10 years improving, the political pressure for austerity has declined. However, poor state fiscal positions in Illinois and Pennsylvania present a risk to the forecast for the service area.

Recent Performance

The economy of the service territory is in its best shape since the financial crisis. Yet while conditions are strong, the estimate of GDP growth from the third quarter of 2013 to the third quarter of 2014 of 0.23% is much lower than the pace of 2.45% expected in November 2013. Total employment growth of only 0.8% in the year to the third quarter of 2014 falls short of the forecast of 1.2%. Total employment is 121,000 lower than expected, with growth coming in at 0.8% for the year compared with the forecast 1.3%. Despite its role as a leading sector, healthcare underperformed, as did leisure and hospitality. However, manufacturing has contracted less than expected and nonmanufacturing employment outside of healthcare and leisure and hospitality has grown more strongly. Real income growth is stronger than expected as well; it will rise about 1.1%, compared with expectations of 0.6% a year ago.

Manufacturing was flat over the last year, first outperforming at the end of 2013, then underperforming for 2014. Manufacturing is an important driver, particularly in many of the territory's Midwest metal-producing and auto-related metro areas. Overall, the sector benefited from robust growth in auto demand and transportation equipment manufacturing, which grew three times faster than forecast over the last year. Elkhart IN, for example, experienced fast growth because of its recreational vehicle industry.

Transportation and warehousing exceeded expectations and delivered fast growth over the last year. Low costs of business and good access to transportation infrastructure have helped Pennsylvania in particular become a popular destination for transportation and warehousing for companies such as Amazon and FedEx to serve the Northeast corridor.

While some metro areas grew fast, others suffered job losses this year. The biggest losses were in Atlantic City NJ, where the casino industry has struggled under stiff regional competition, and Lynchburg VA, which is shedding defense contractor jobs.

The service territory added fewer jobs in percent terms than the nation partly because the low growth in government employment has disproportionately affected the area. Federal employment fell more steeply in PJM's service territory than it did for the nation. Federal government accounts for 3% of total employment, compared with 2% in the rest of the U.S. The concentration is, of course, much higher in the District of Columbia, Maryland, and Virginia. Moreover, federal workers earn more in the Mid-Atlantic than elsewhere in the country. Therefore, federal layoffs do more damage to incomes. In addition, local government employment grew more slowly in the service area than in the U.S. overall. Philadelphia had significant losses, primarily because of the Philadelphia school district's severe budgetary problems. Roanoke VA and Pittsburgh also experienced significant losses in local government employment.

Employment gains slowed this year in Pennsylvania and Ohio, which account for a substantial portion of PJM's customers. Ohio and Pennsylvania metro areas make up 20% to 25% of the territory's payroll employment. Ohio's recovery has moderated in recent months and is lagging those of nearby states, but it is still moving in the right direction. The factory sector has led the way, driven by resilient vehicle and machinery production. While it did underperform expectations in Pennsylvania, healthcare has nevertheless logged job growth in both states, as the area's fast-growing and larger than average elderly population fuels demand for nurses and healthcare technicians. Natural gas prices have fallen recently, but production costs in the region are low compared with those in other areas of the U.S., so the shale industry should continuing expanding in the two states.

Near-Term Outlook and Changes to the Forecast

The October 2014 regional forecast was generated in the context of the U.S. macro forecast described above. Changes to the near-term outlook for the PJM service territory are similar to those in the U.S. macro forecast. The recent performance was slightly weaker than expected, and while stronger job growth is still expected, it is arriving slightly later than expected. As a result, the forecast has been lowered for the next few quarters, but raised starting in the end of 2015.

Manufacturing is an area that outperformed expectations, and the outlook has been raised. Manufacturing employment grew an estimated 0.2% since the third quarter of 2013, beating expectations of a 0.2% fall. This is the beginning of a short-term rebound in manufacturing that was not expected to start until early 2015, and will it continue through 2017 before returning to secular decline over the long term. The outlook for transportation and warehousing has been raised given the recent outperformance. Real GDP in the service territory is forecast to rise 1.9% over the next four quarters. Last year, output was projected to grow 3.9% in this same period. The forecast calls for employment in the service territory to increase 2.2% in the year ending in the third quarter of 2015, down from the previous forecast of 2.4%. In the year ending in the third quarter of 2016, employment will grow 1.8%, up from the previous forecast of 1.5%.

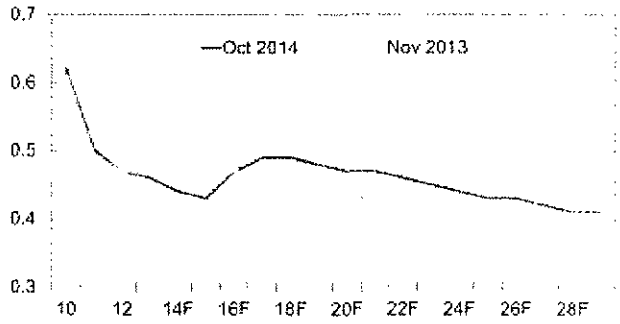
All in all, the service area economy is expected to have a jump in growth in the short term, but this jump will occur slightly later than had been expected a year ago. The positive short-term outlook mirrors the U.S. macro forecast. Over the past year, the service sector has fallen short of expectations. Service growth will accelerate in 2015, and as the delayed growth peaks at the end of the year, the service area will finally outperform last year's forecast.

Long-Term Outlook

The October 2014 forecast for long-term GDP growth in metro areas in the PJM service territory is relatively unchanged from November 2013. Growth is up because of improved population, but this is partly offset by weaker household growth. The region's aging population is likely dampening the latter.

Population Projections Better in Long Run...

Population forecast, % change yr ago

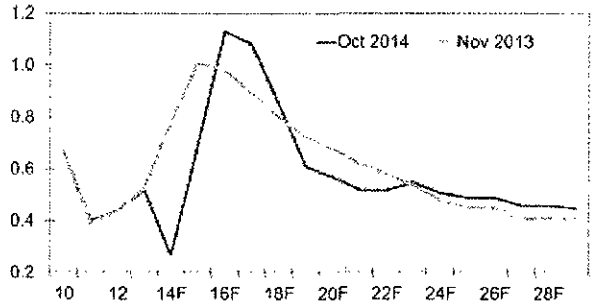


Sources: Census Bureau, Moody's Analytics

For the metro areas in the service territory, the October 2014 forecast is for population to expand 7% between 2014 and 2028, up from 6.7% in the November 2013 forecast. In the short run, the population forecast has been revised down. This will mean 30,000 fewer residents in 2017. But growth will accelerate and as a result the forecast population will be 60,000 higher by 2022, and 180,000 by 2029.

...But Household Growth Weaker...

Households forecast, % change yr ago

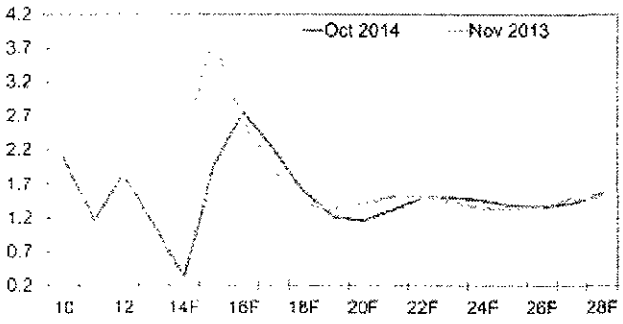


Sources: Census Bureau, Moody's Analytics

Stronger population growth does not translate into more households, as the headship rate is forecast to fall. By 2029, population is expected to be 180,000 higher than expected a year ago, while the number of households has been revised down by 120,000. As a result, real GDP growth will be largely unchanged in the long run, averaging 1.6% from 2016 to 2029.

...Impact on Output Growth Is Mixed

Real GDP growth in PJM service territory metro areas, % change

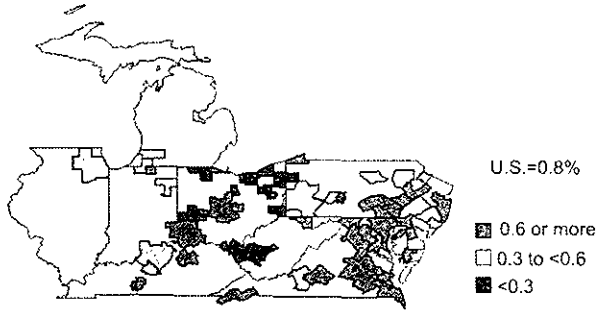


Sources: BEA, Moody's Analytics

Overall, the long-term GDP forecast has not been altered substantially. The PJM service area will underperform the U.S., with average annual real GDP growth of 1.6% from 2015 to 2029, compared with the U.S. average of 2.2%. Relative to last year, long-run average annual U.S. GDP growth has been revised slightly higher from 2%, while that for the PJM service area is unchanged.

The southernmost metro areas are expected to be among the fastest-growing in the PJM service territory. The biggest comparative advantage for these areas is their favorable demographic trends, which will help boost overall final demand. While the long-term forecast is weaker, in-migration and household formation will rebound in 2015 and will drive growth in consumer-based services such as education/healthcare and leisure/hospitality. In the long run, Virginia metro areas, including Lynchburg and Richmond, as well as Bowling Green KY, are expected to lead with average annual real GDP growth of 2% or more. Relatively low costs will buoy growth in these metro areas. Large metro areas including Chicago and Baltimore and metro areas in the Mid-Atlantic, including Washington DC and those in Delaware, will also outperform the rest of the service area. These metro areas will be driven by highly educated labor forces and productivity growth as well as their demographic trends.

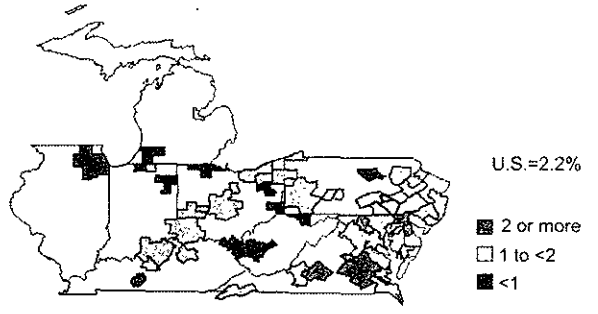
Stronger Demographics Benefit the South
Avg annual household growth from 2015 to 2028, %



Sources: Census Bureau, Moody's Analytics

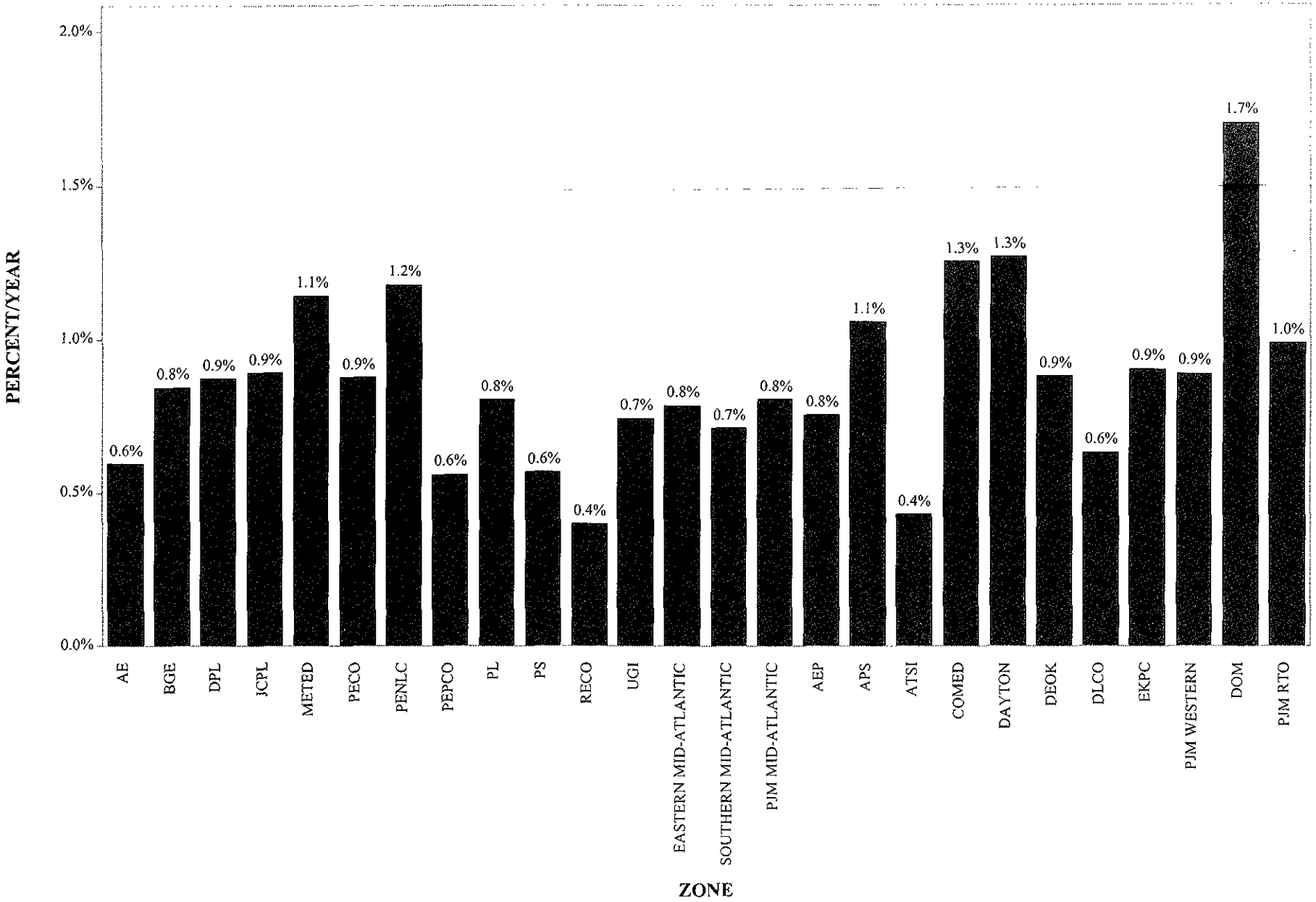
Metro areas in Ohio, West Virginia, and parts of Pennsylvania will expand more slowly. Expansion in those states will be more restrained as the region transitions away from manufacturing toward more service-oriented economies. With lower-value-added services accounting for a larger part of the regional economies, income gains are expected to be more restrained. Weaker demographics will also undermine long-term growth, as workers and their families are expected to seek opportunities in stronger labor markets outside of the slow-growth metro areas in the Midwest and Northeast. Of the 10 areas with the weakest increases in the number of households, seven are in Ohio and three are in West Virginia. The number of households will decline in just three areas, all in Ohio: Youngstown, Cleveland and Mansfield.

The Service Territory Will Underperform the U.S.
Avg real GDP growth from 2015 to 2029, %

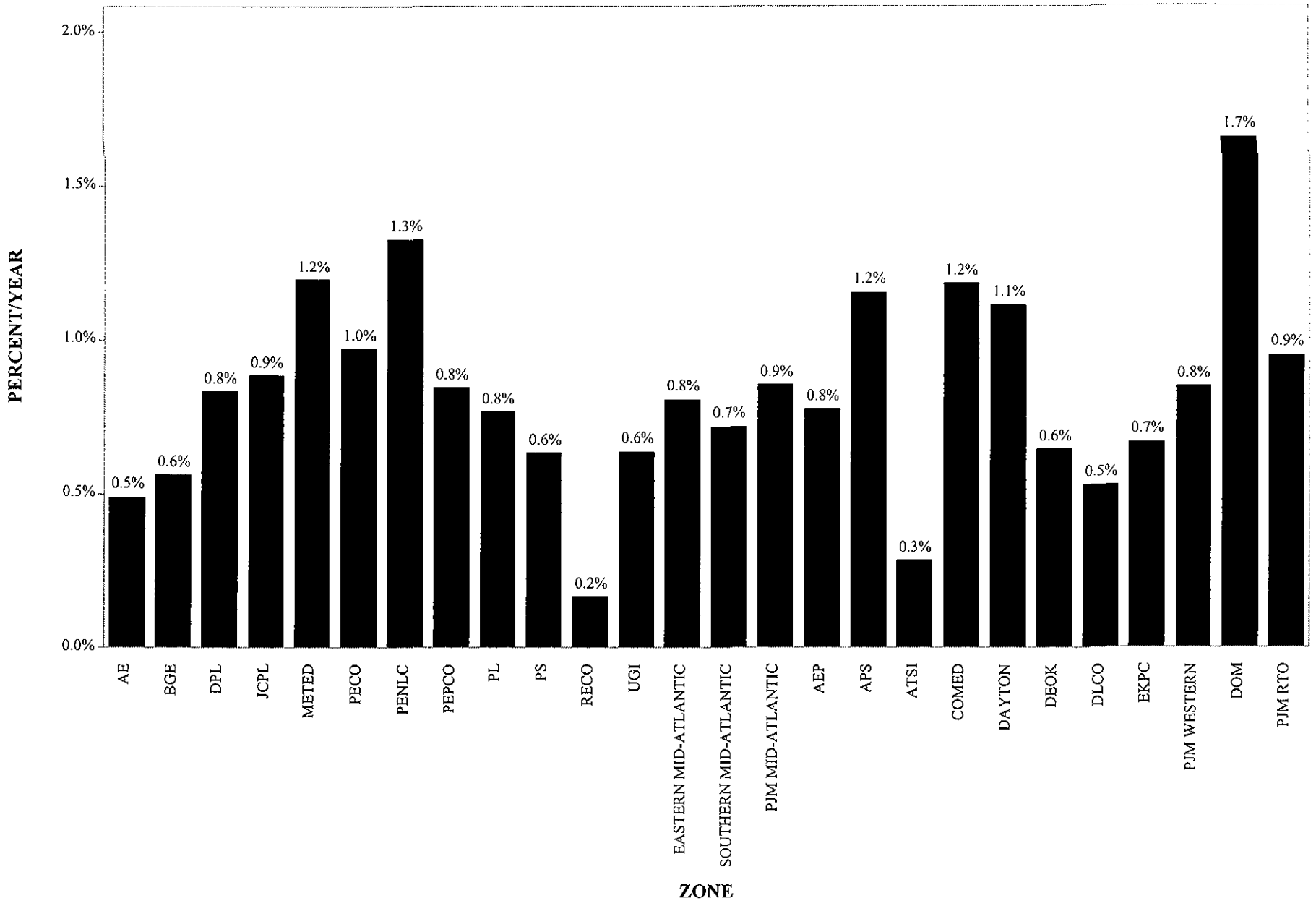


Sources: Census Bureau, Moody's Analytics

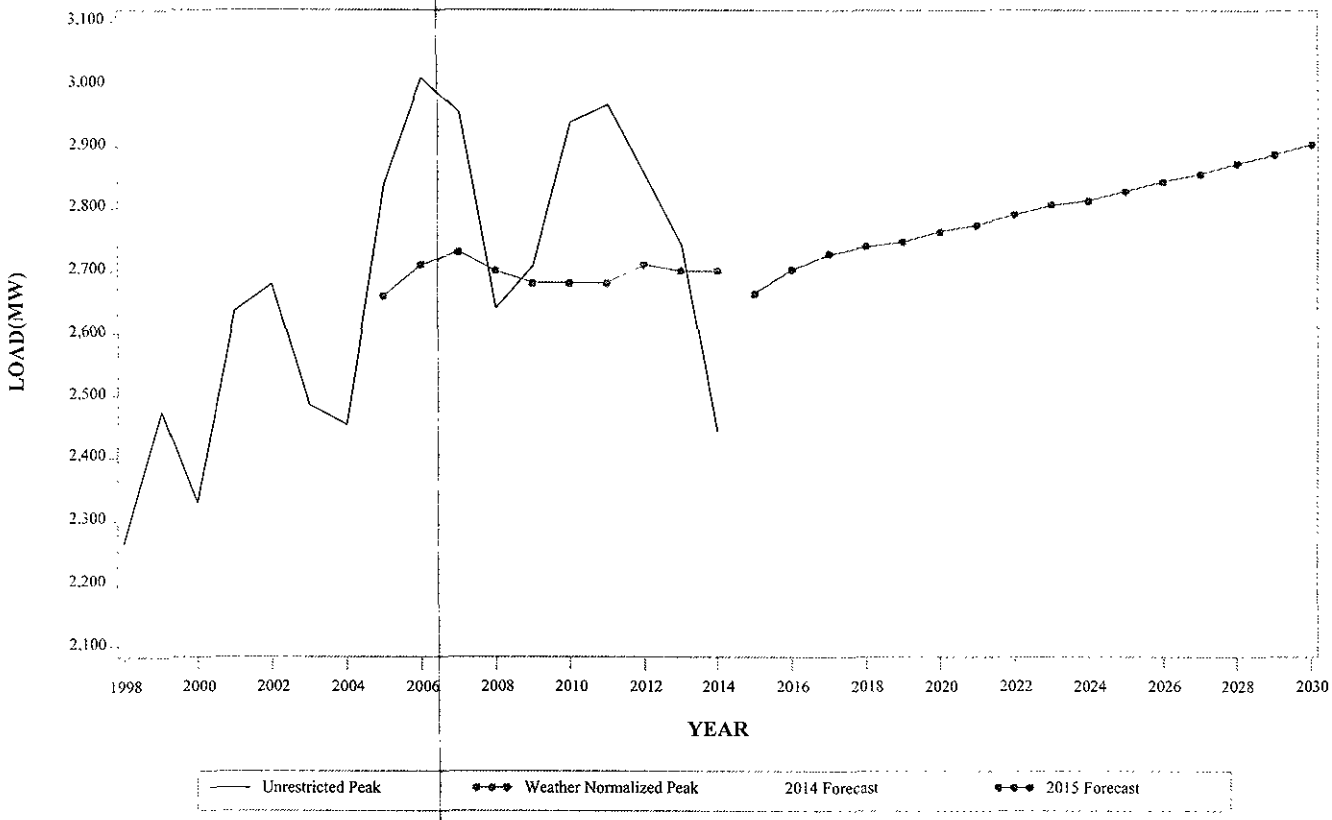
PJM SUMMER PEAK LOAD GROWTH RATE
2015 - 2025



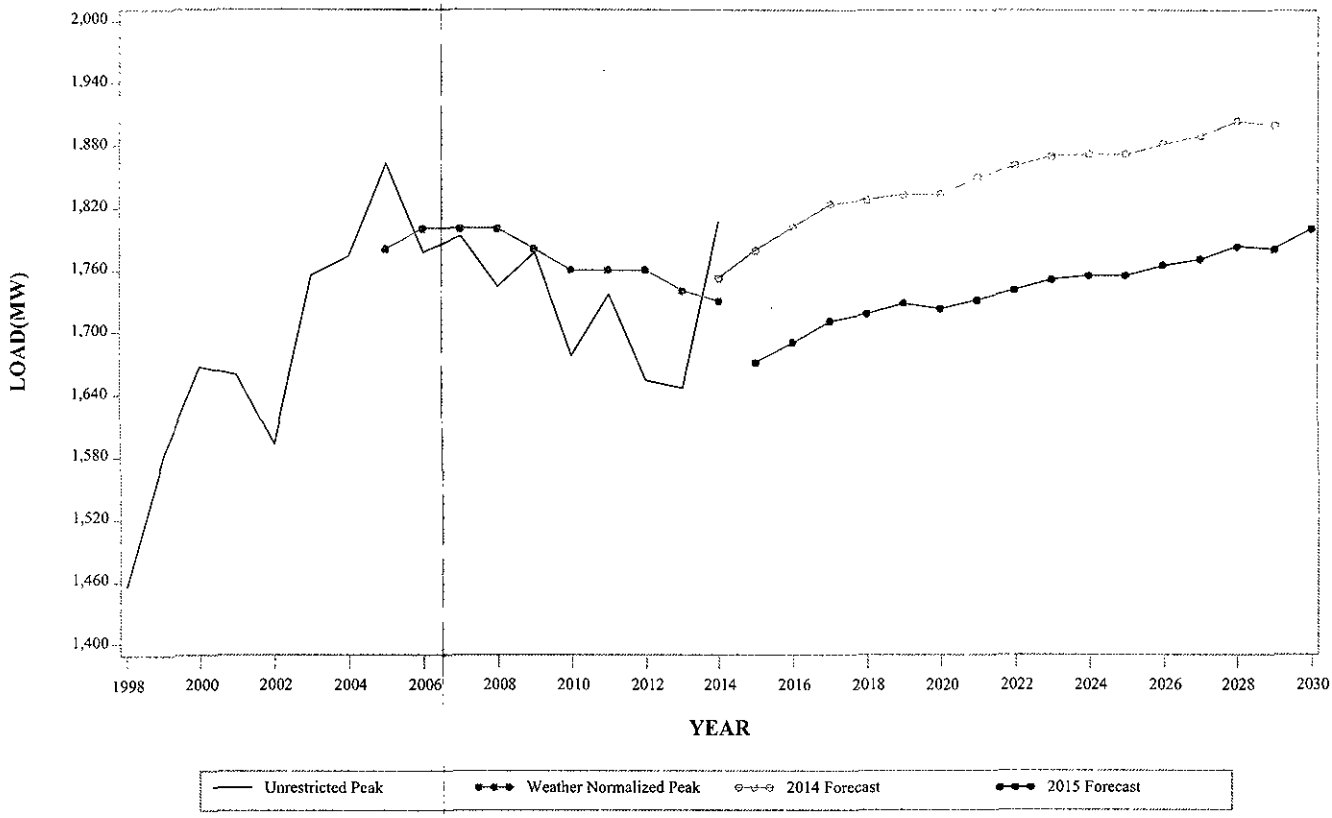
PJM WINTER PEAK LOAD GROWTH RATE
2015 - 2025



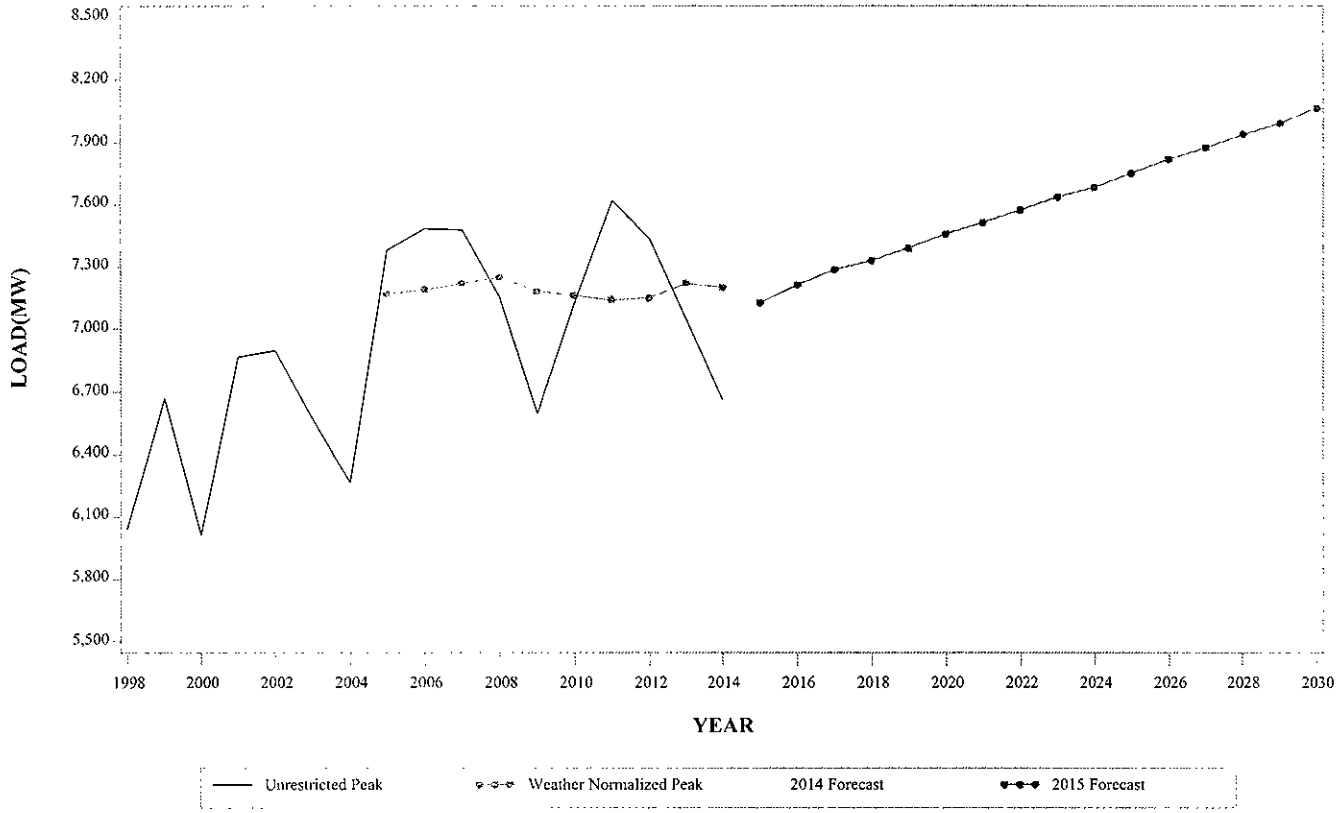
SUMMER PEAK DEMAND FOR AE GEOGRAPHIC ZONE



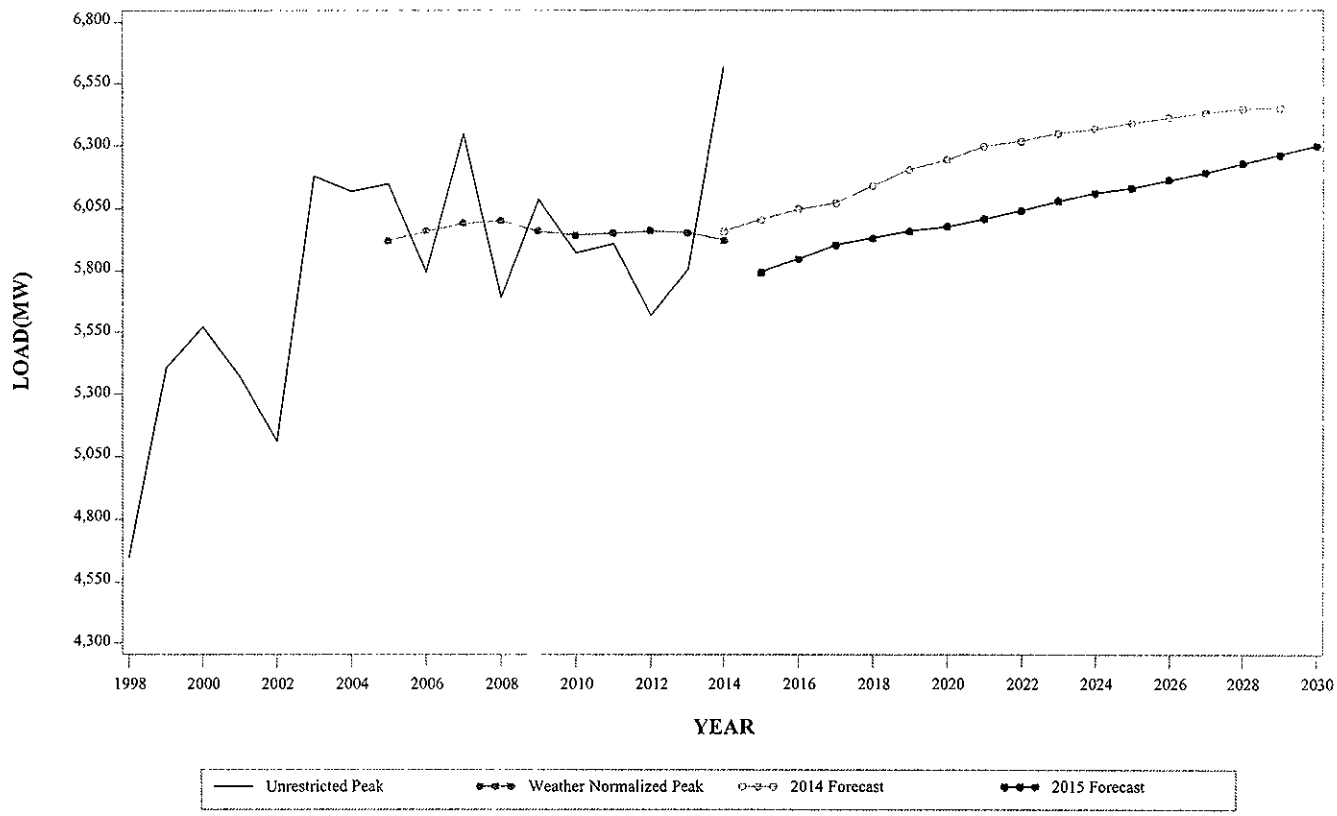
WINTER PEAK DEMAND FOR AE GEOGRAPHIC ZONE



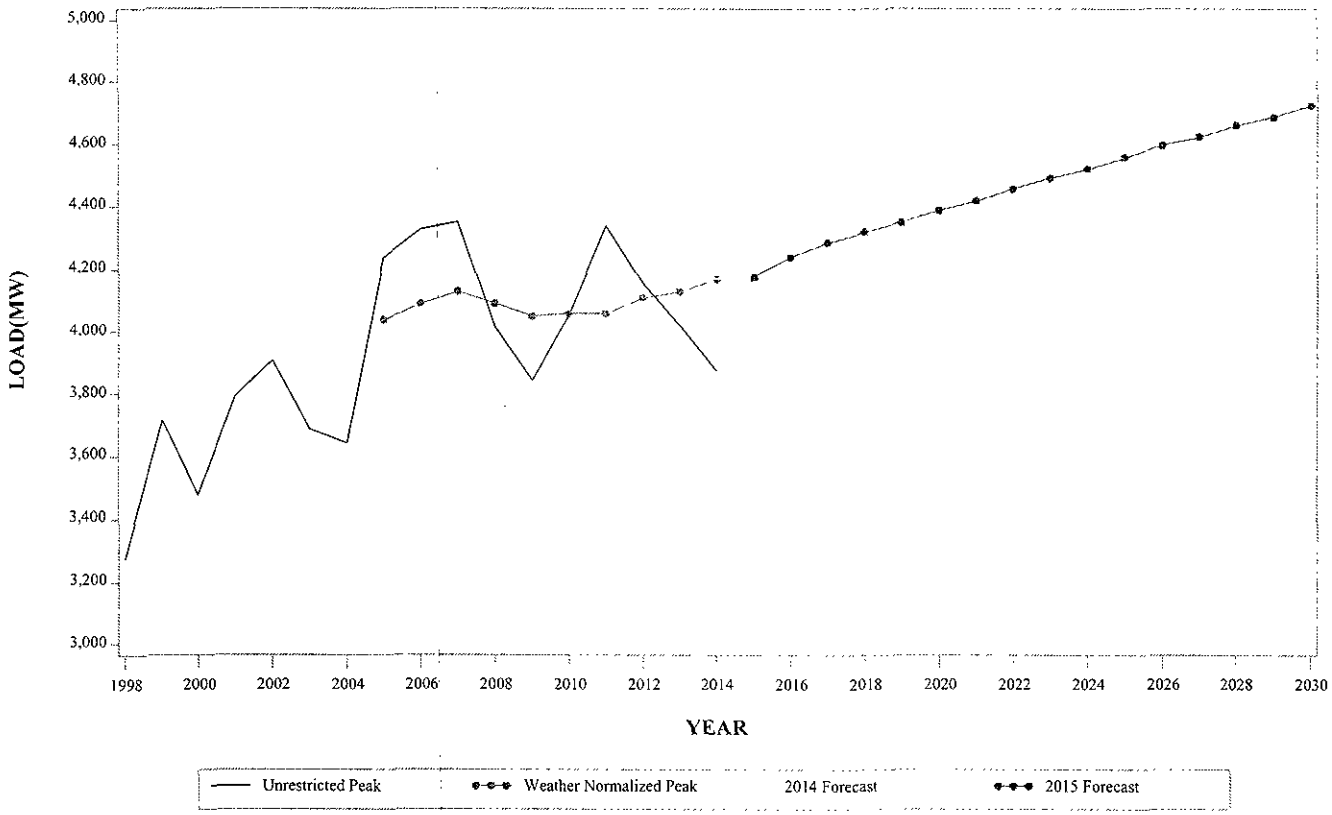
SUMMER PEAK DEMAND FOR BGE GEOGRAPHIC ZONE



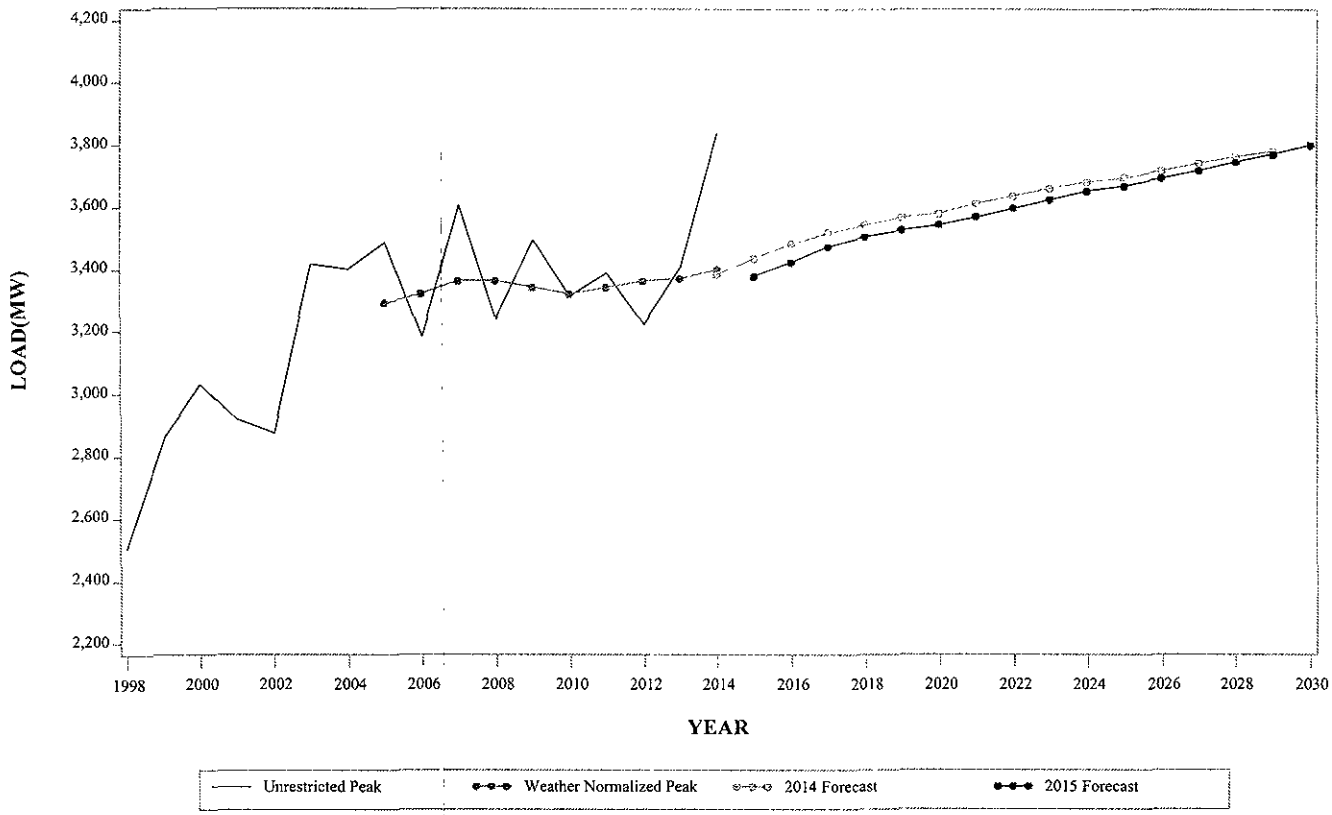
WINTER PEAK DEMAND FOR BGE GEOGRAPHIC ZONE



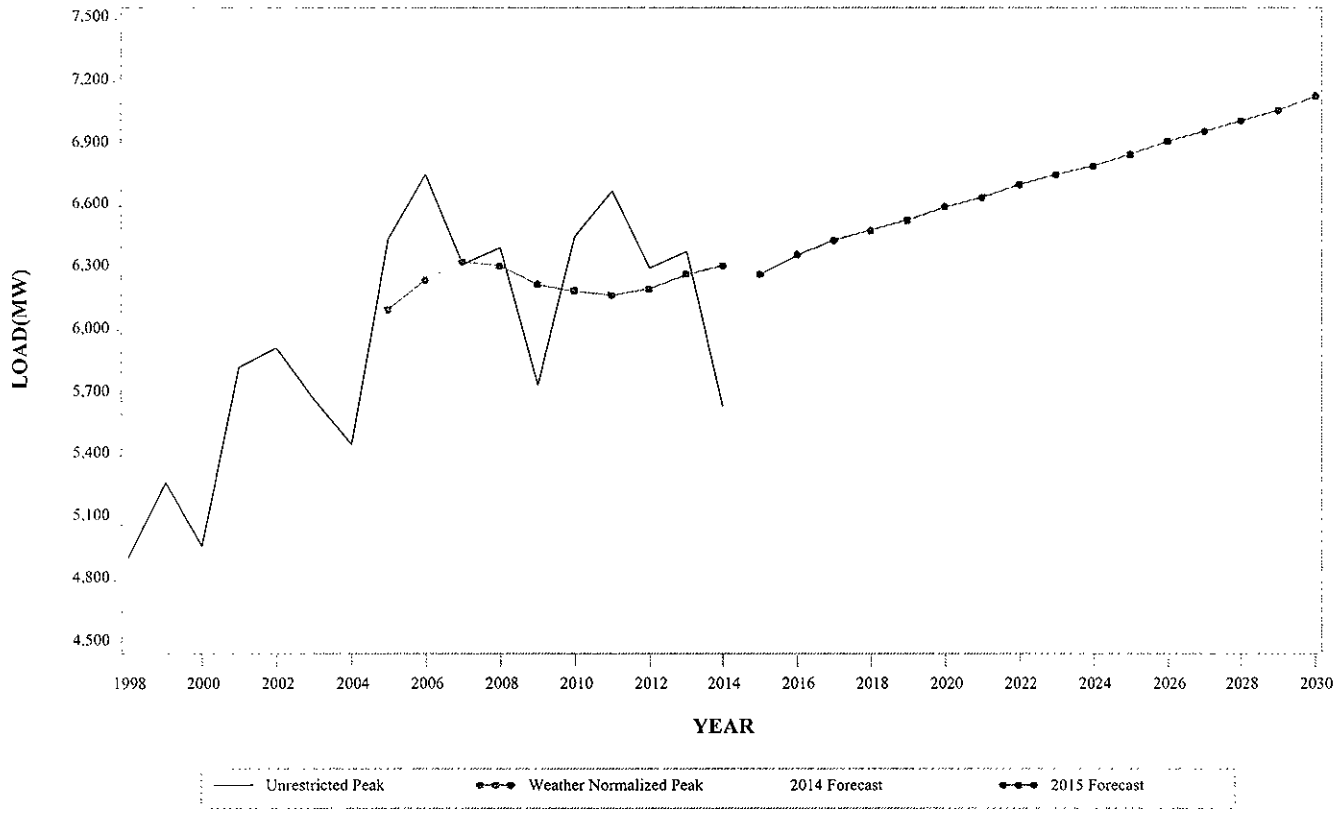
SUMMER PEAK DEMAND FOR DPL
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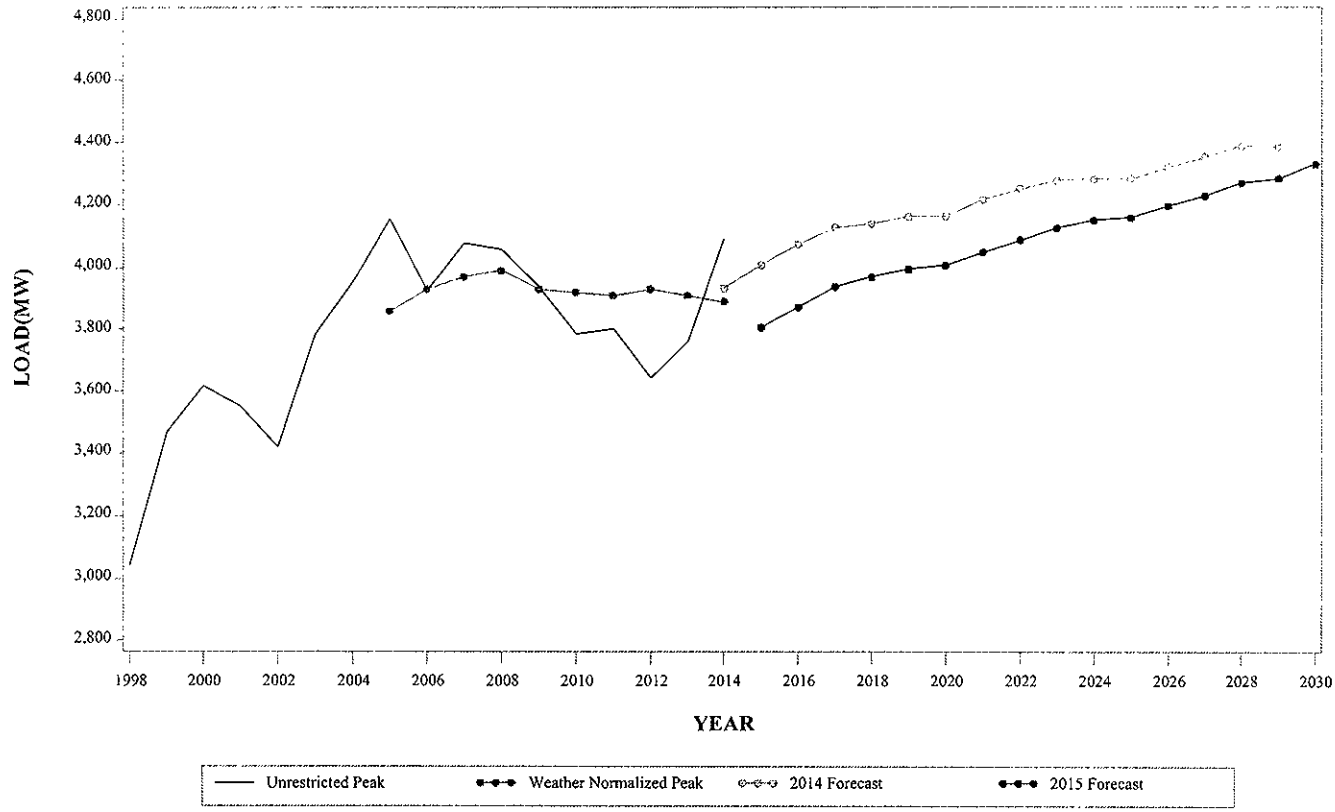
WINTER PEAK DEMAND FOR DPL
GEOGRAPHIC ZONE



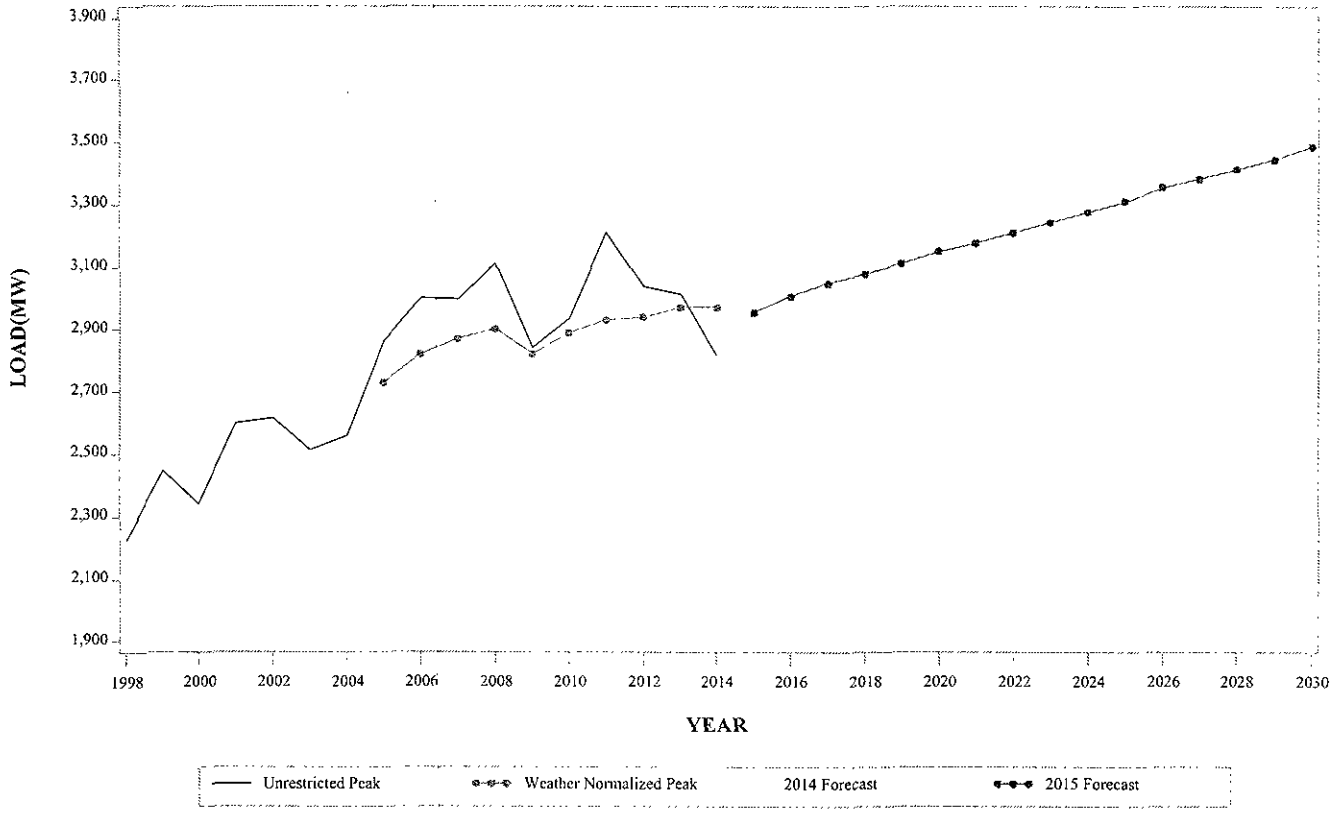
SUMMER PEAK DEMAND FOR JCPL
GEOGRAPHIC ZONE



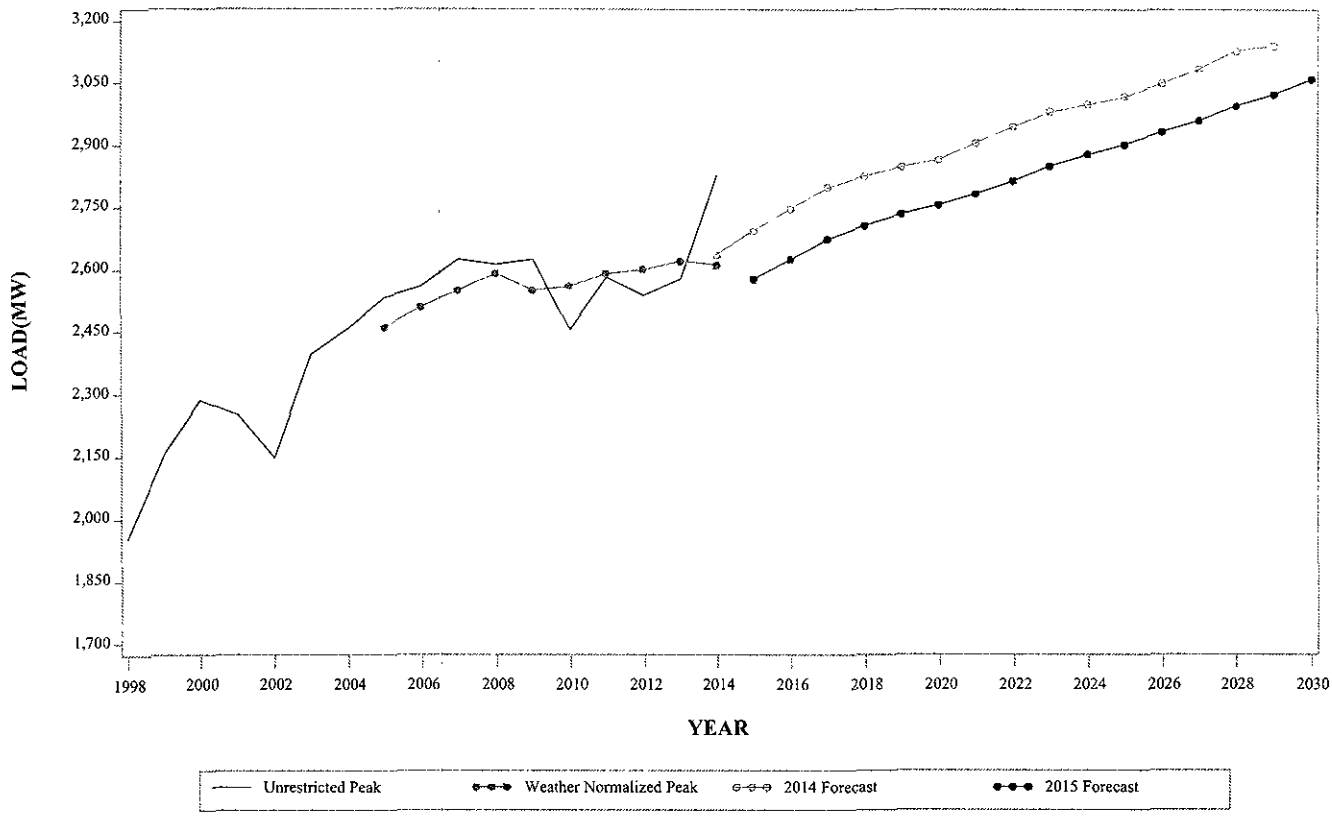
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GEOGRAPHIC ZONE



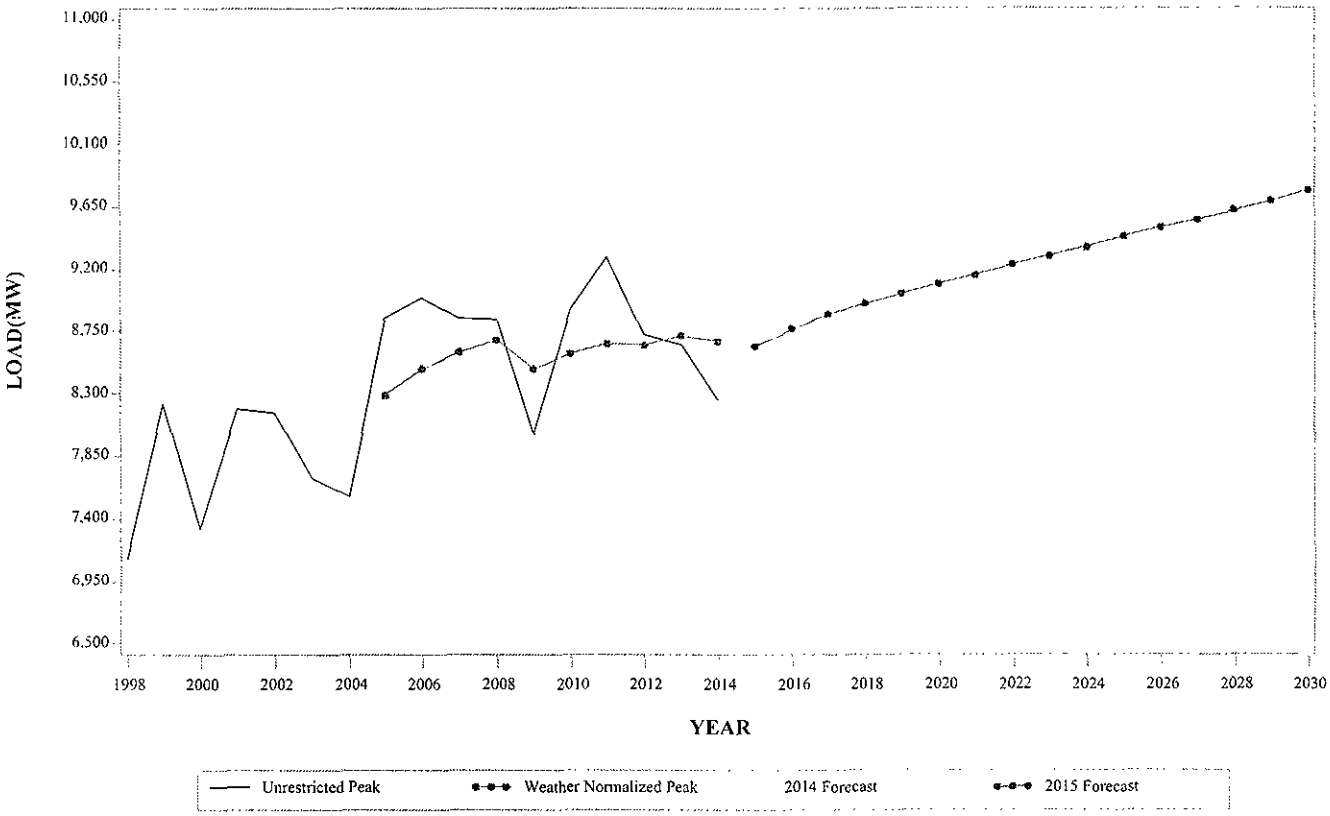
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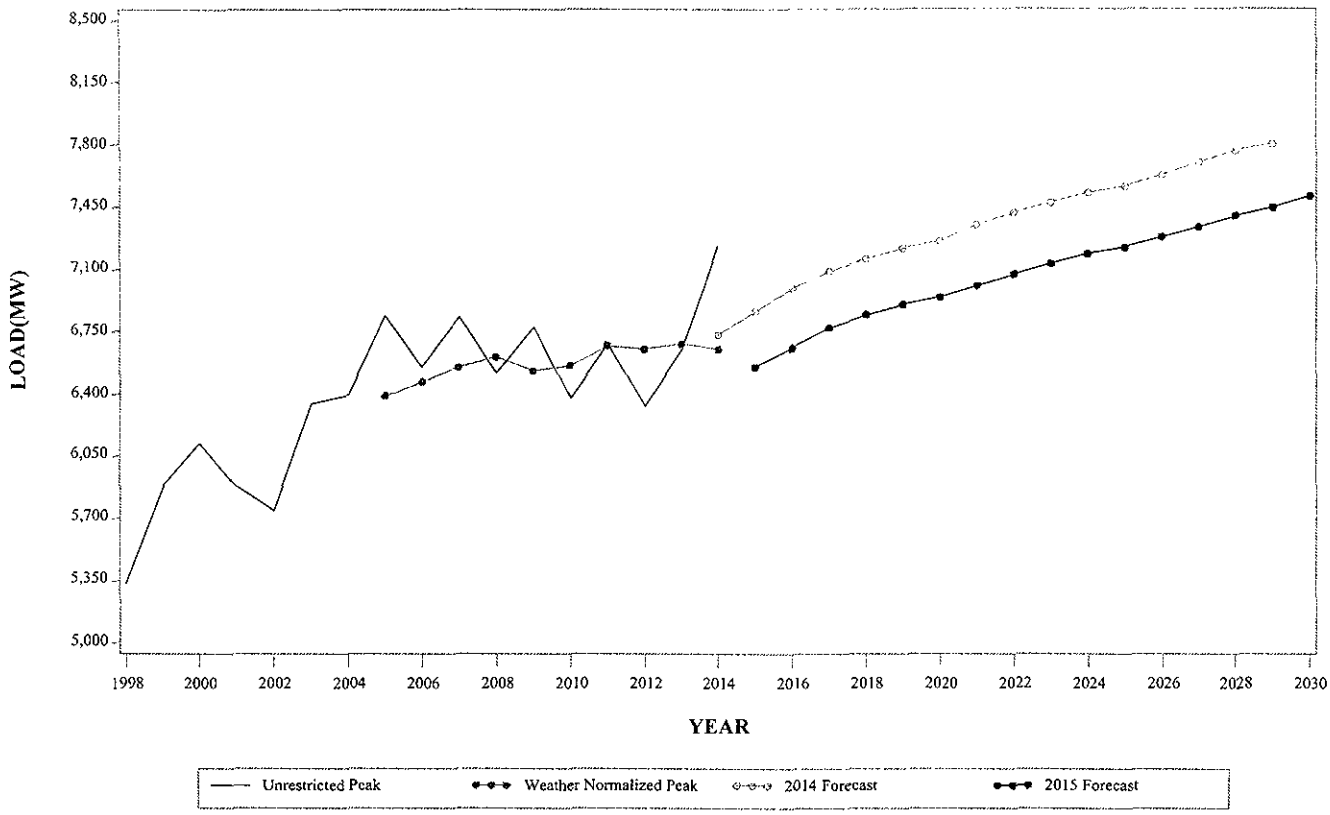
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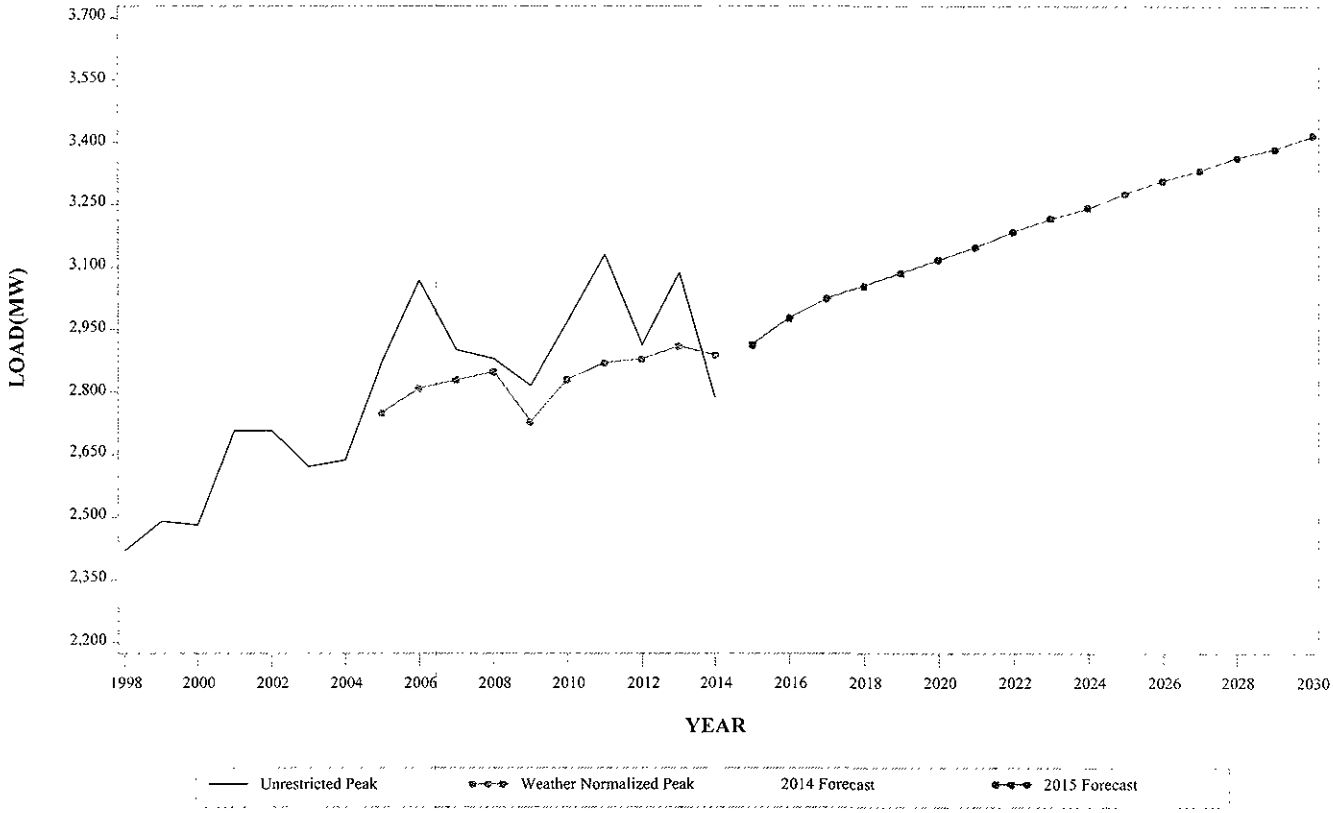
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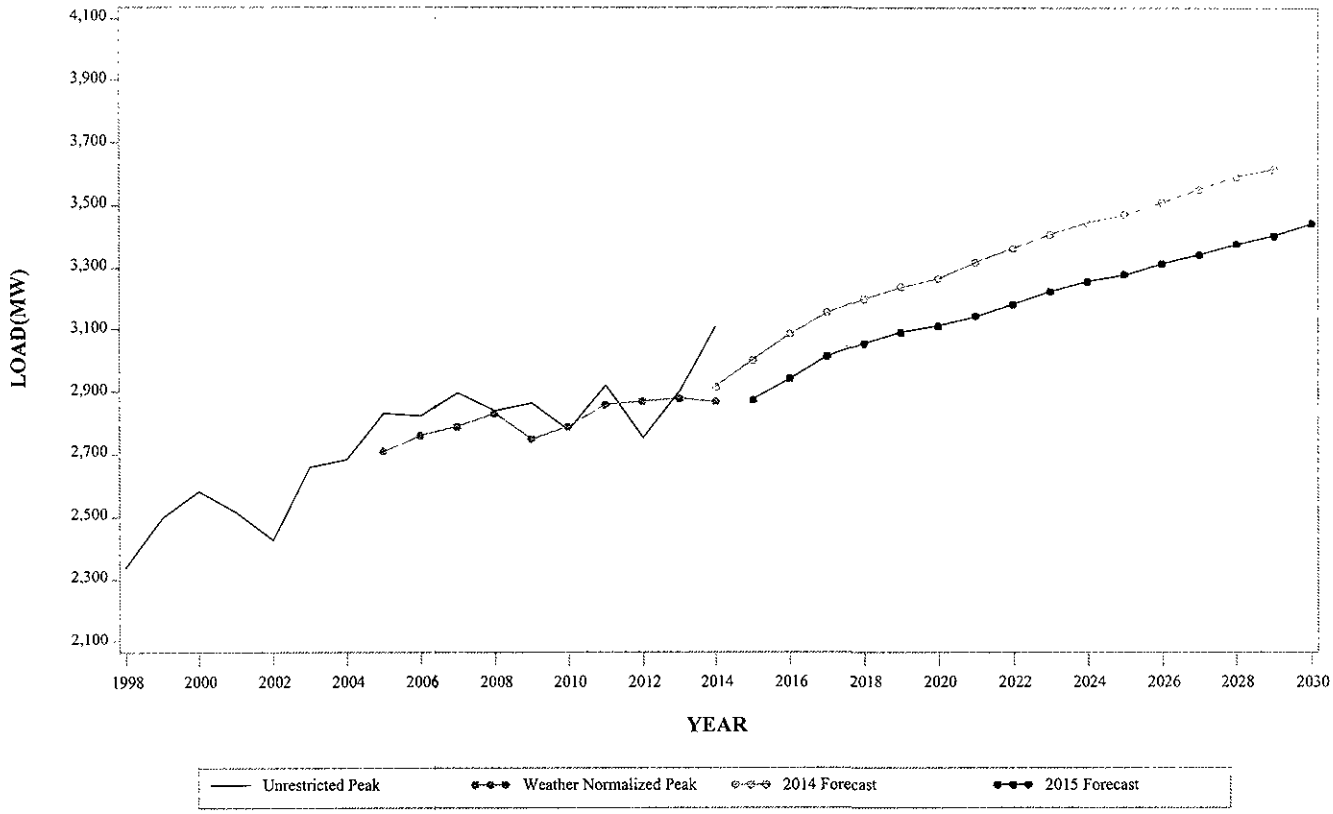
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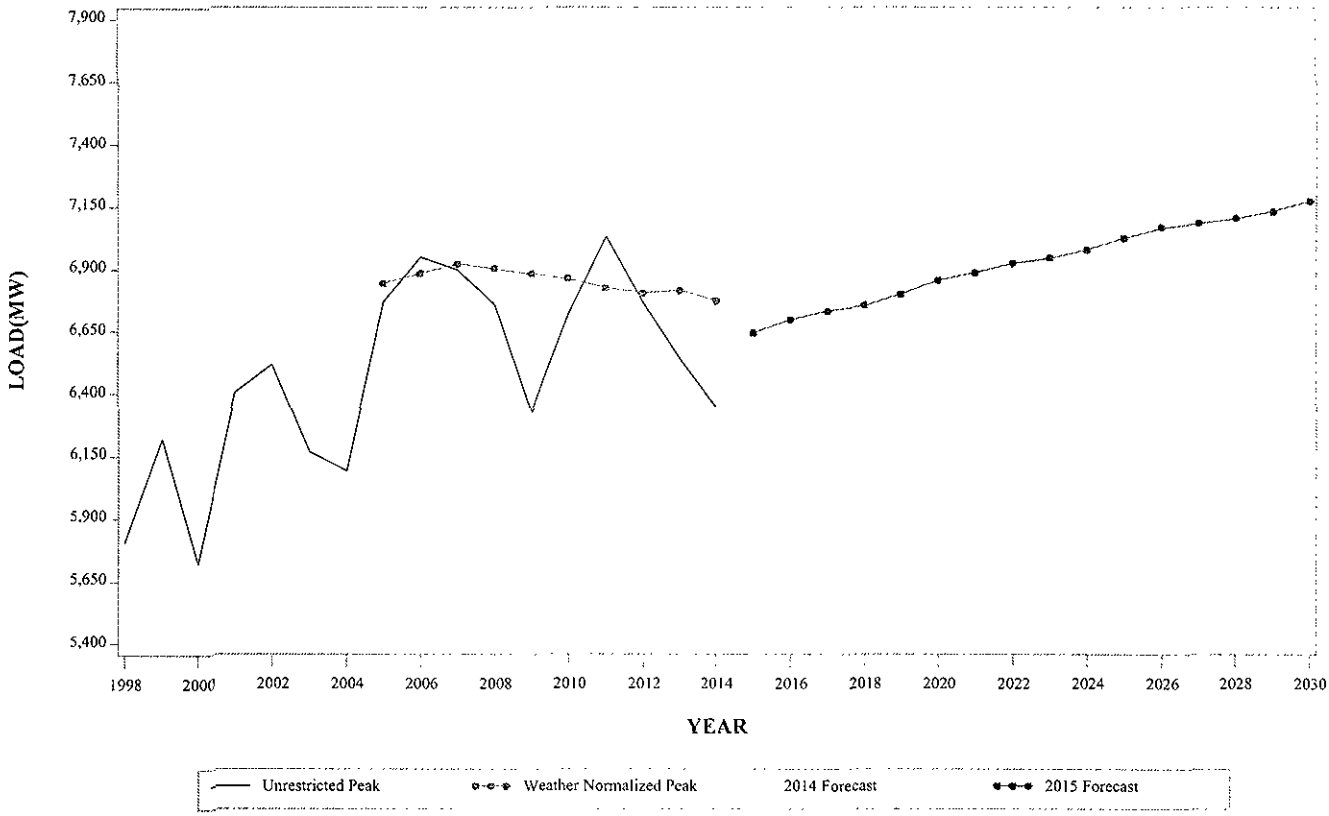
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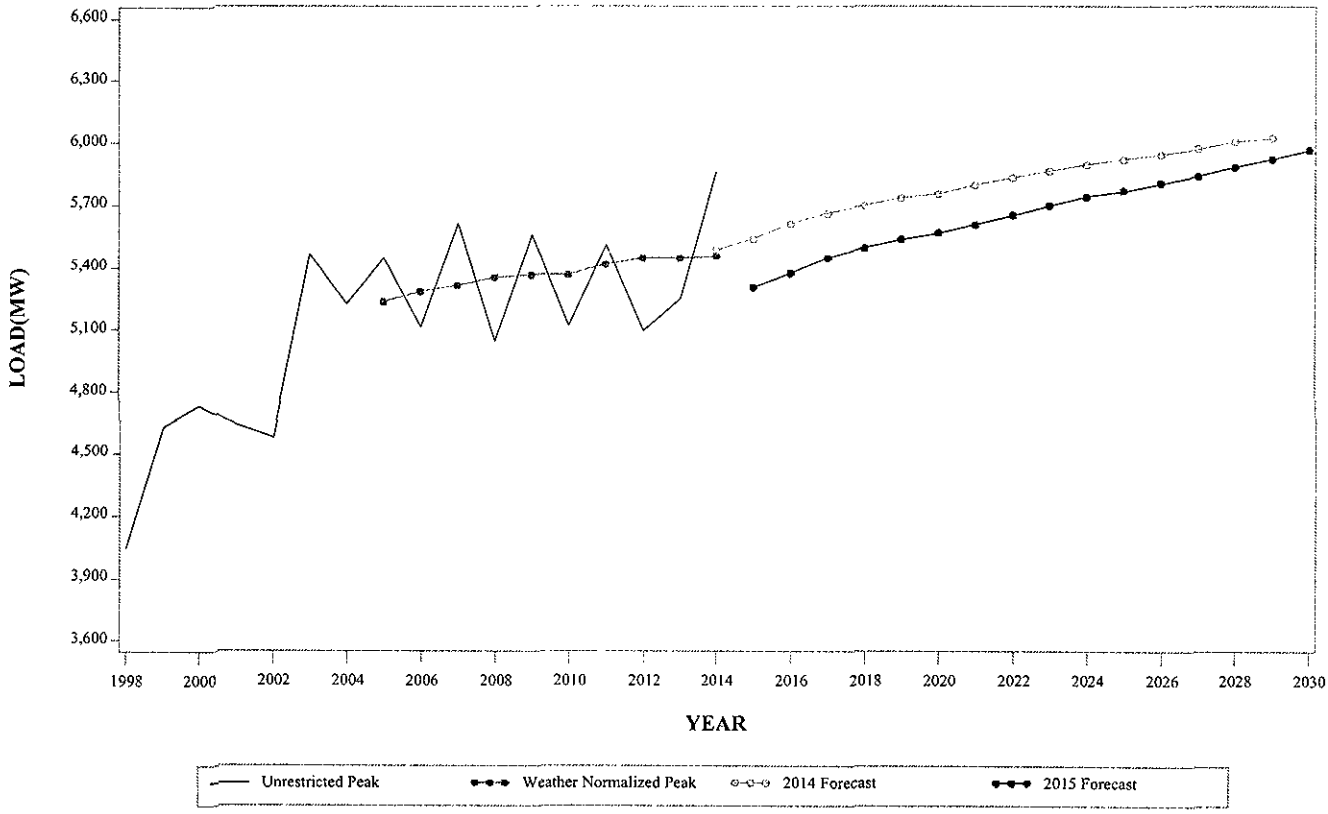
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GEOGRAPHIC ZONE



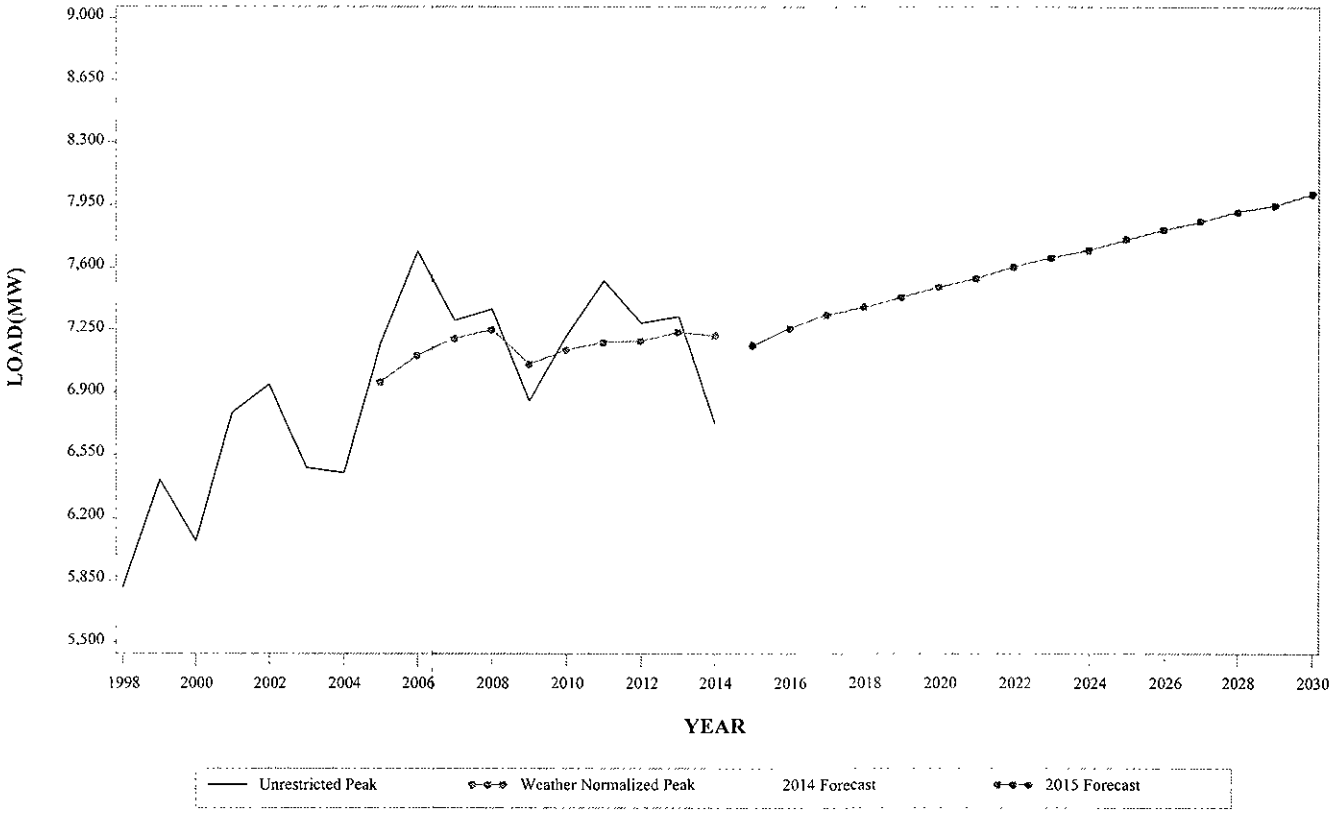
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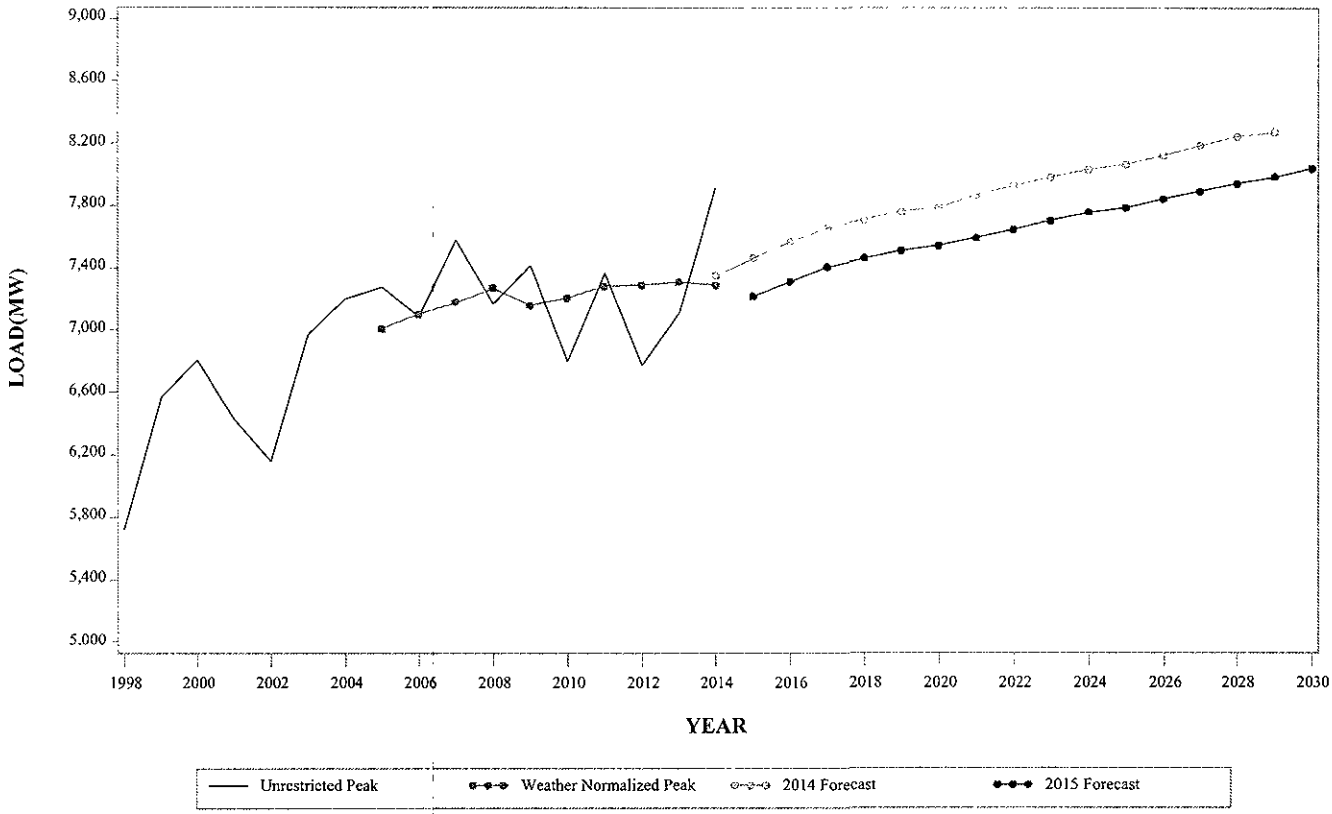
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GEOGRAPHIC ZONE



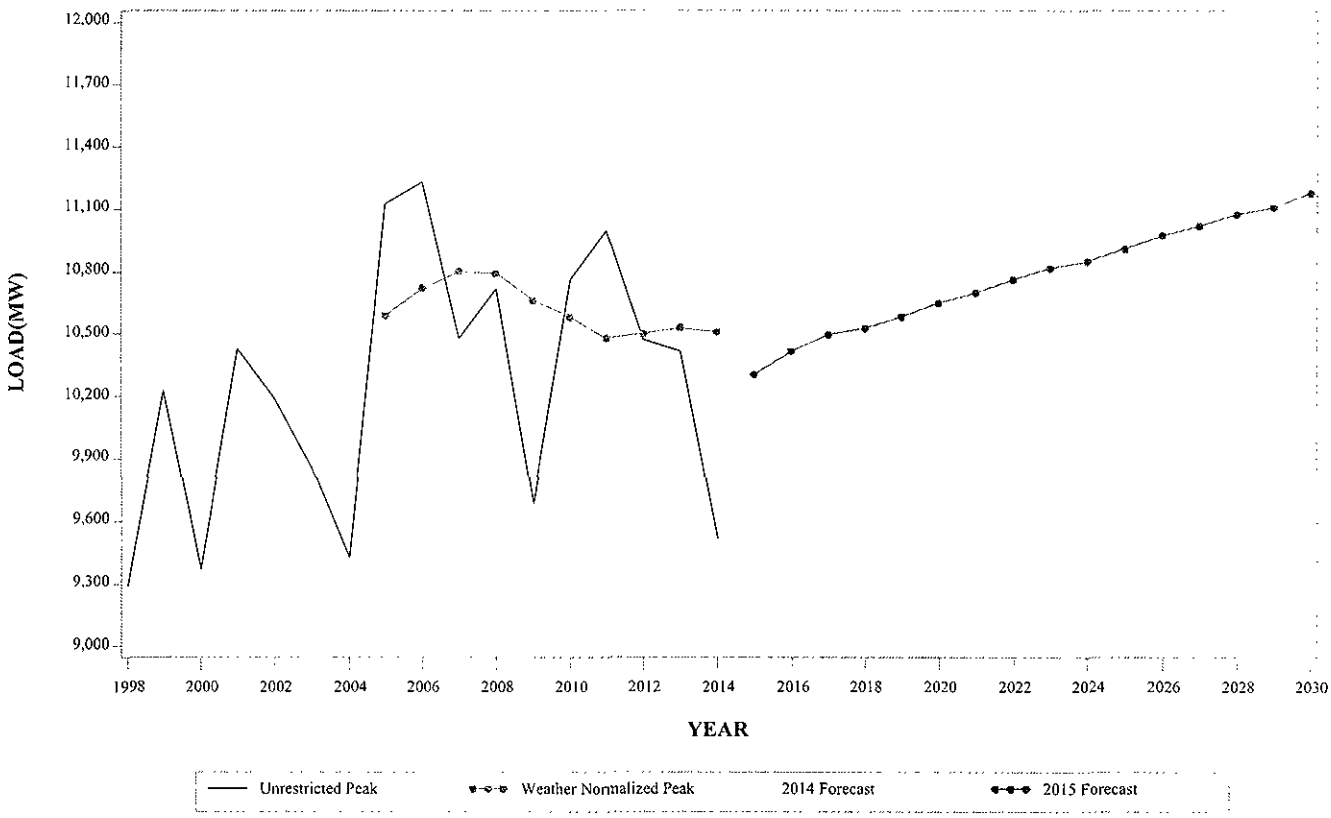
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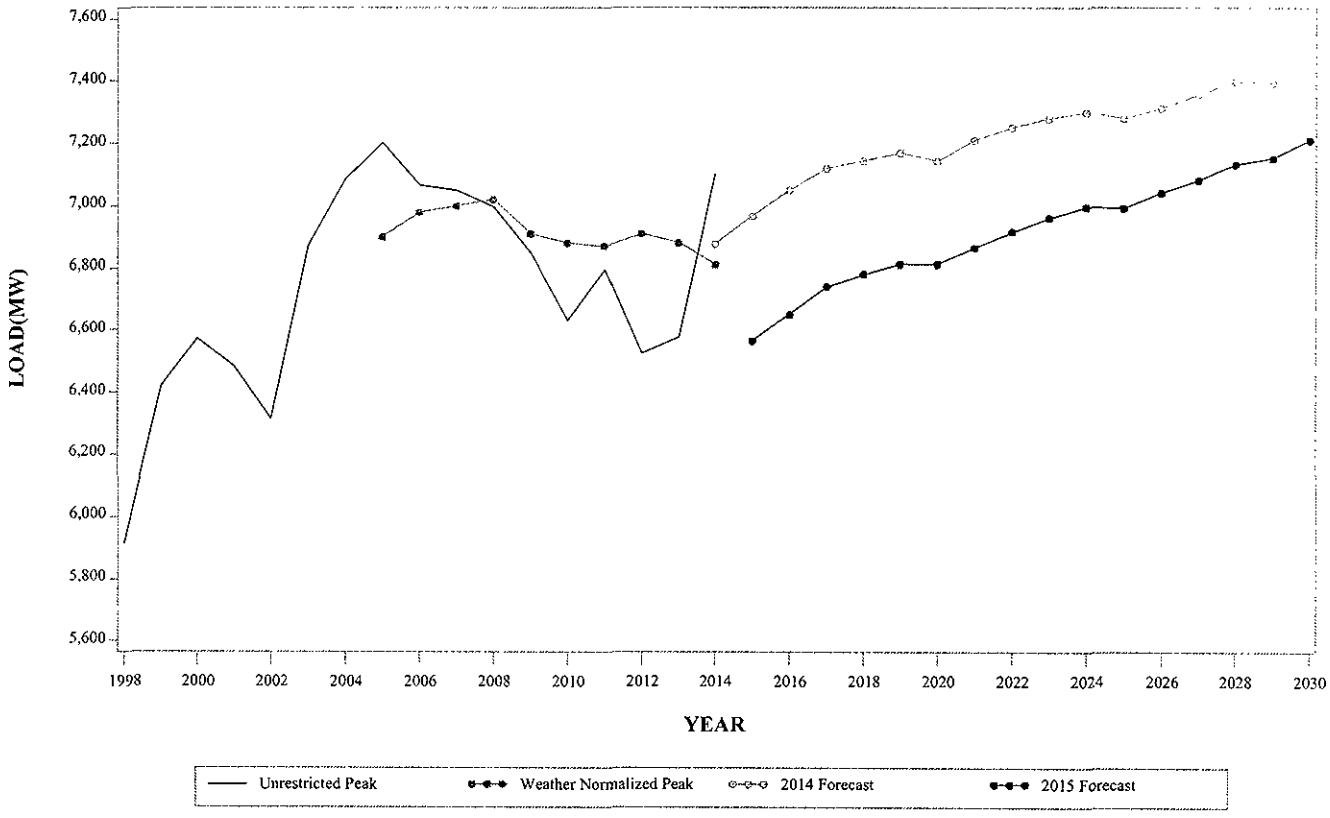
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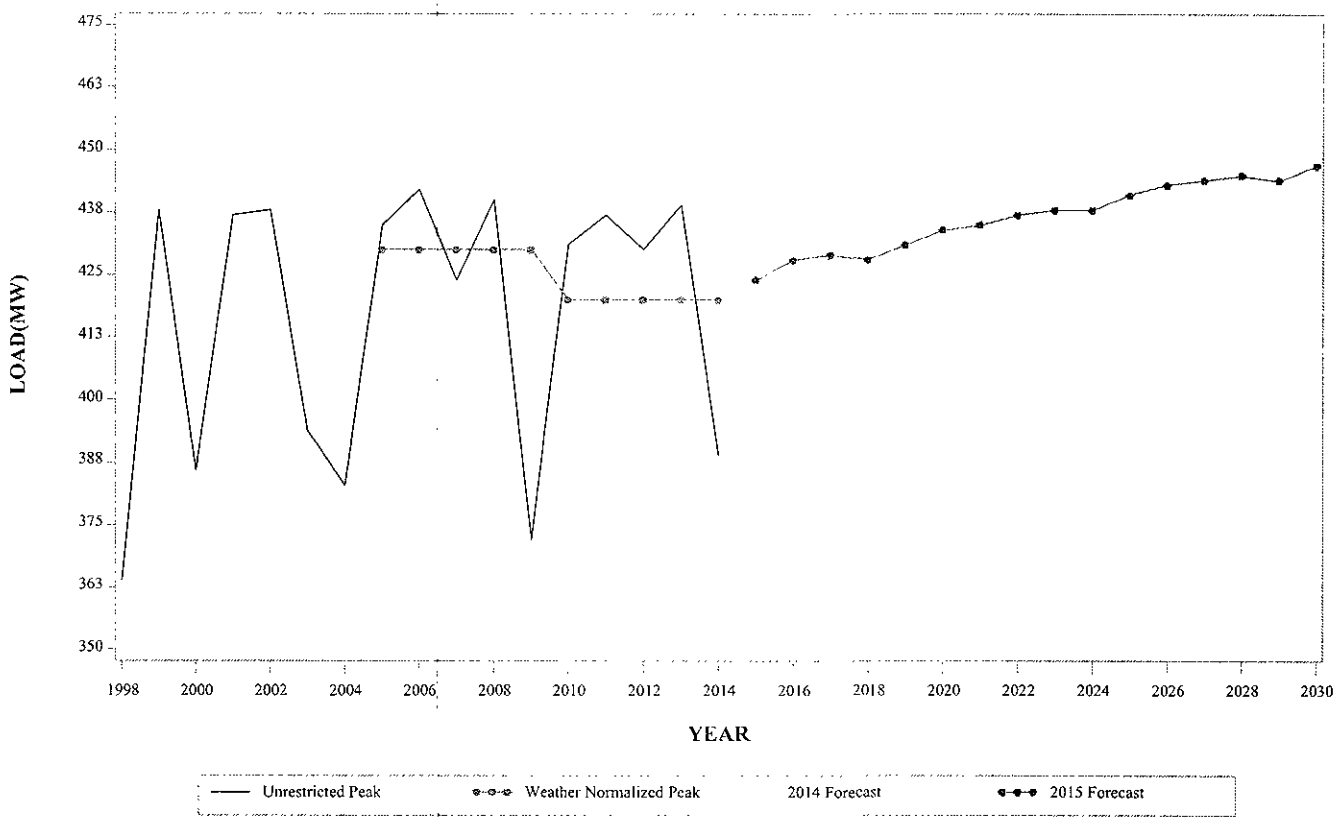
SUMMER PEAK DEMAND FOR PS
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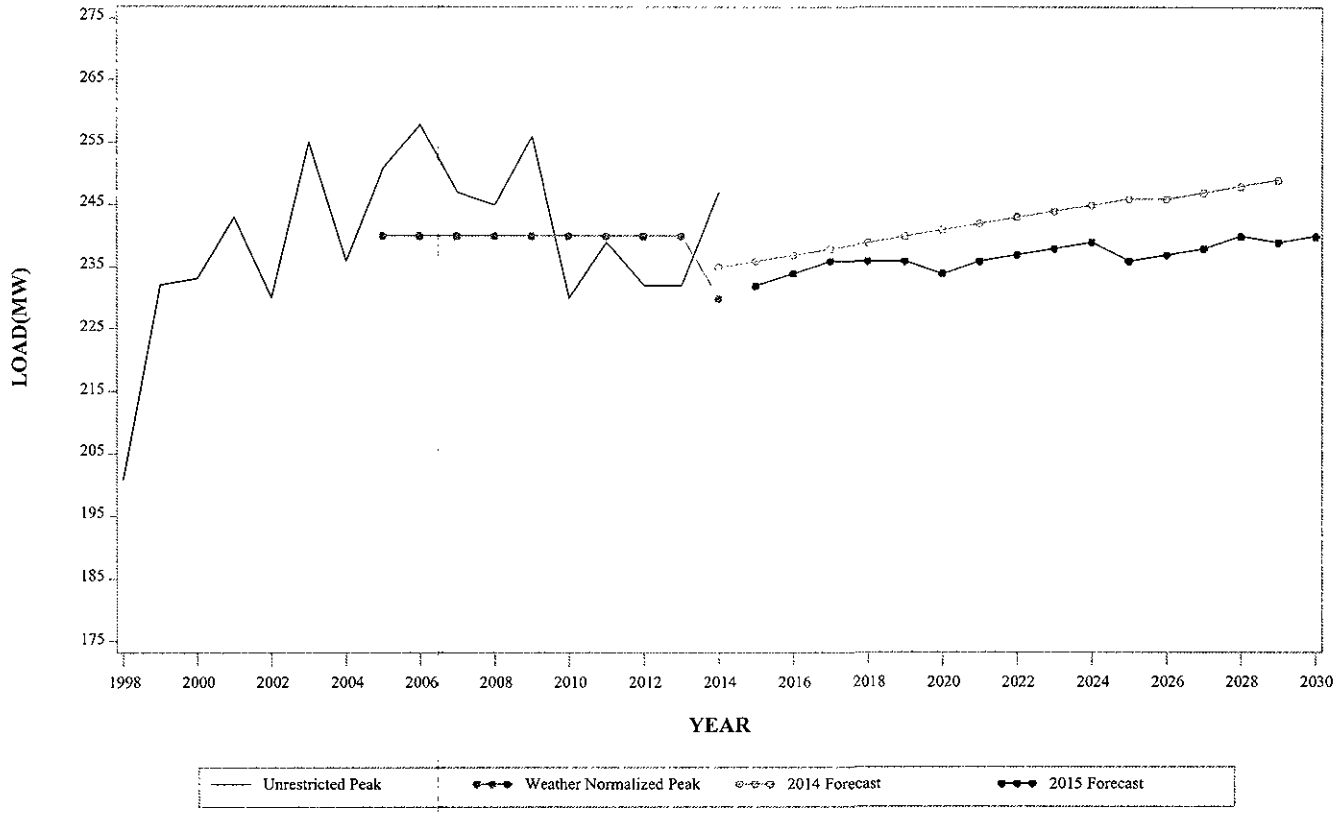
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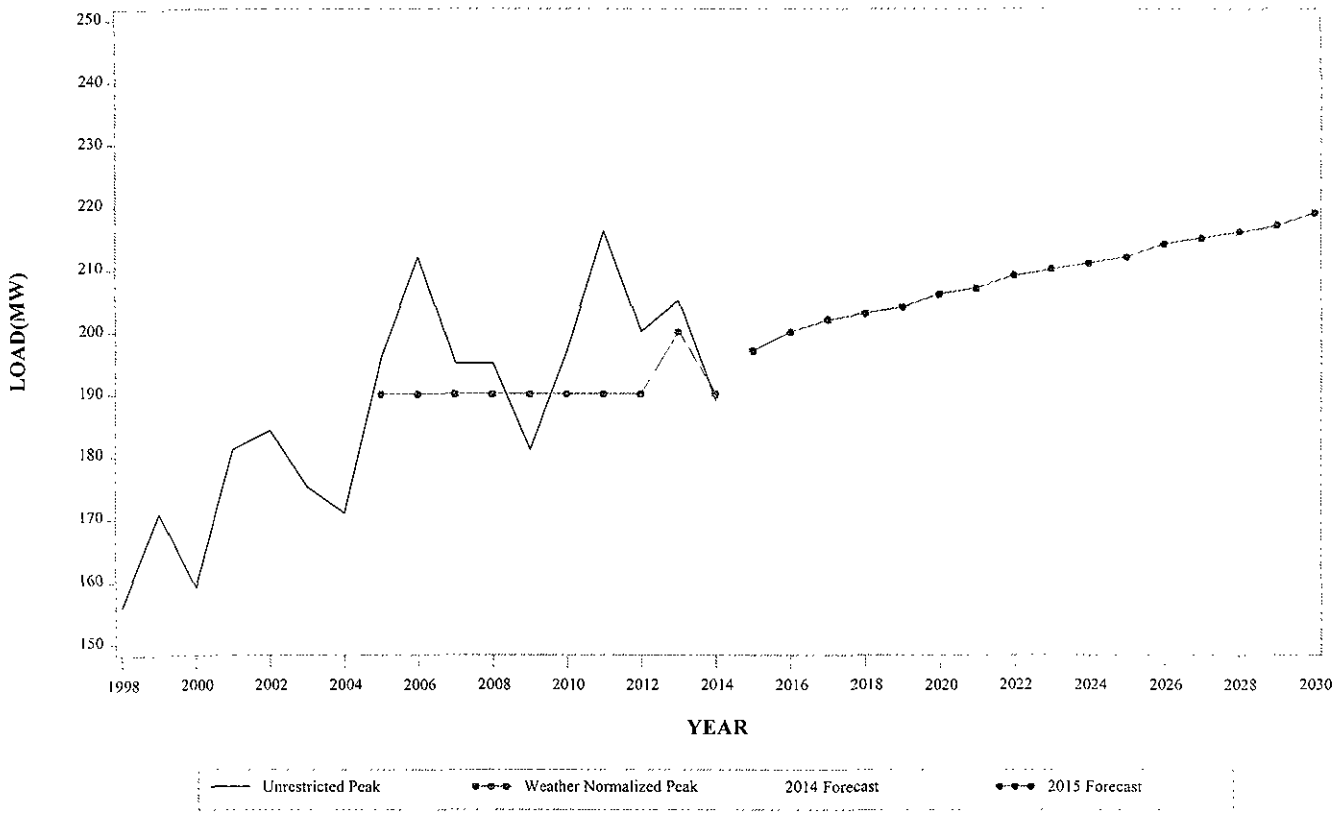
SUMMER PEAK DEMAND FOR RECO
GEOGRAPHIC ZONE



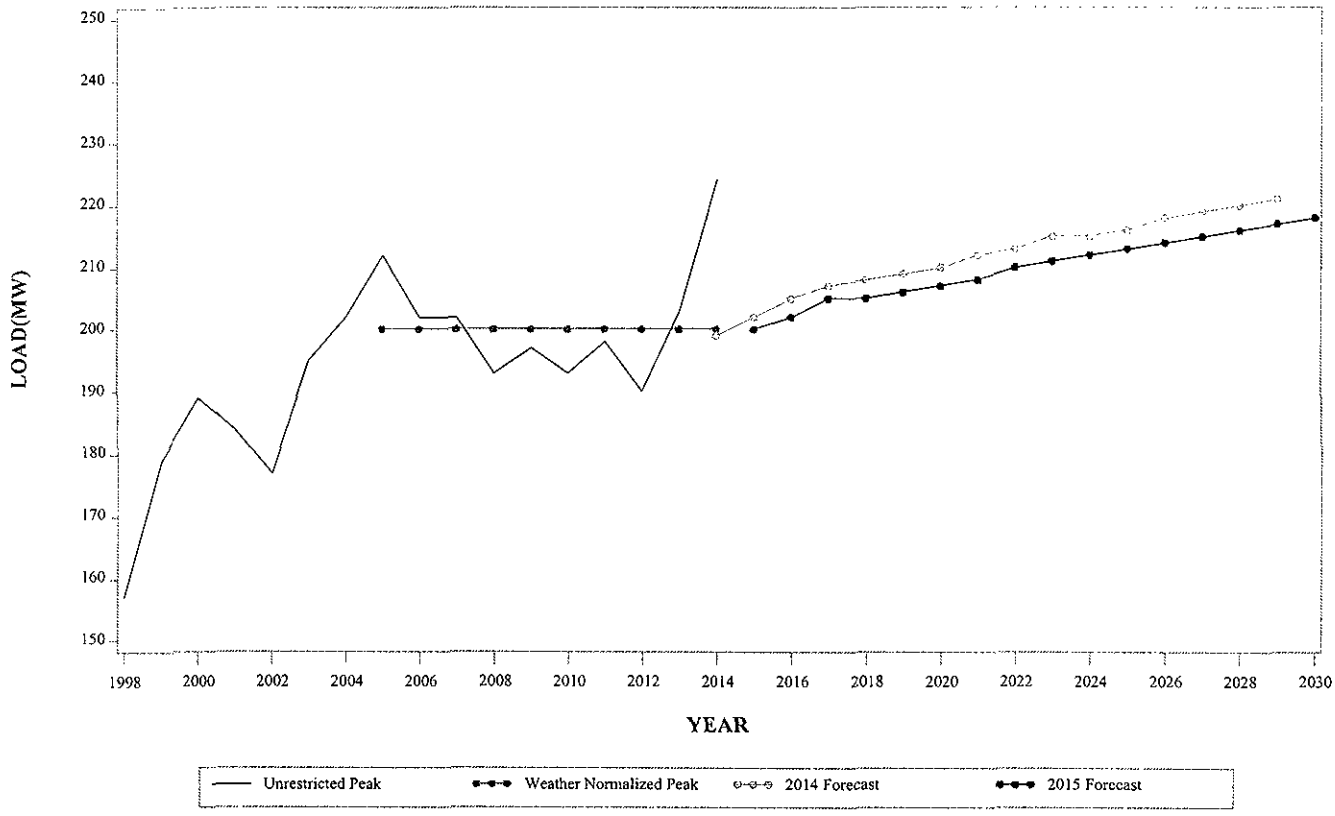
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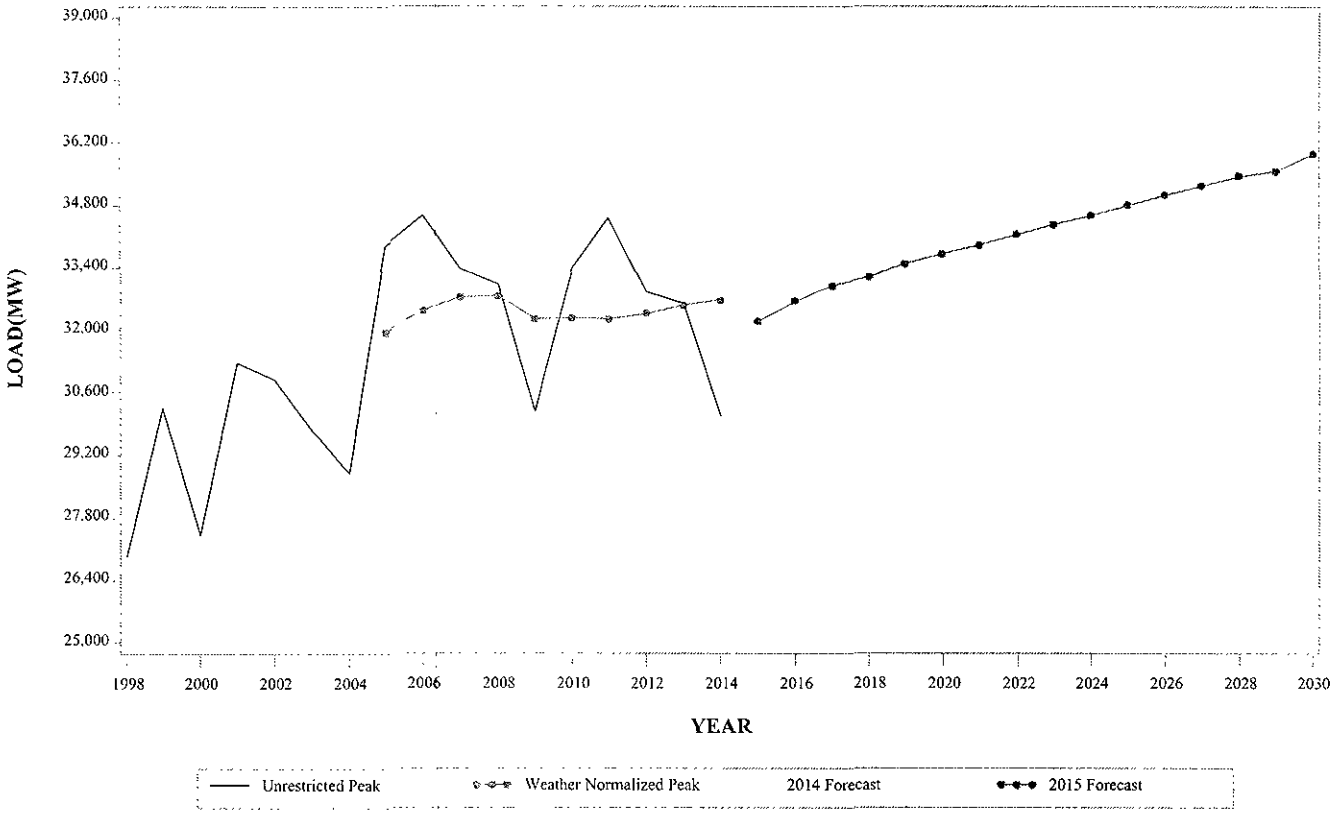
SUMMER PEAK DEMAND FOR UGI
GEOGRAPHIC ZONE



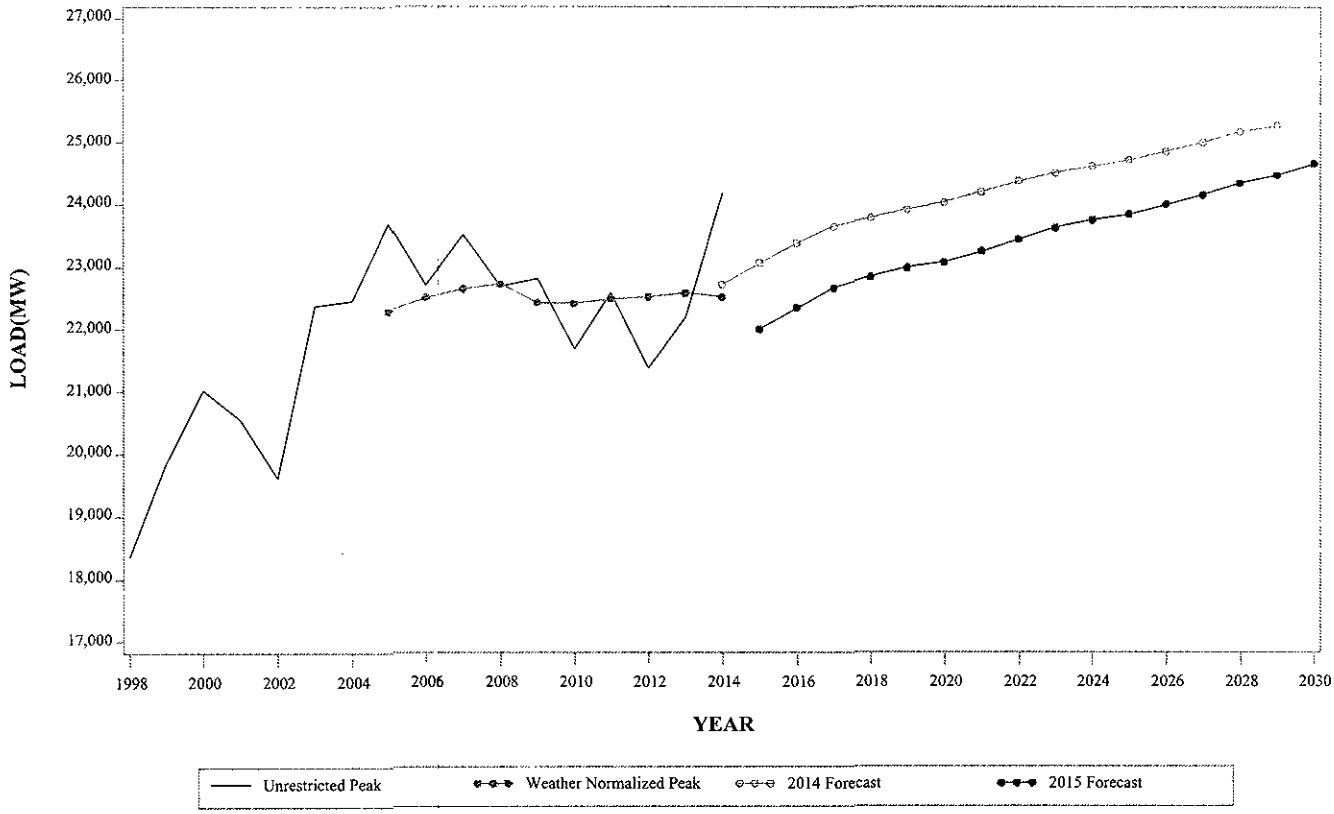
WINTER PEAK DEMAND FOR UGI
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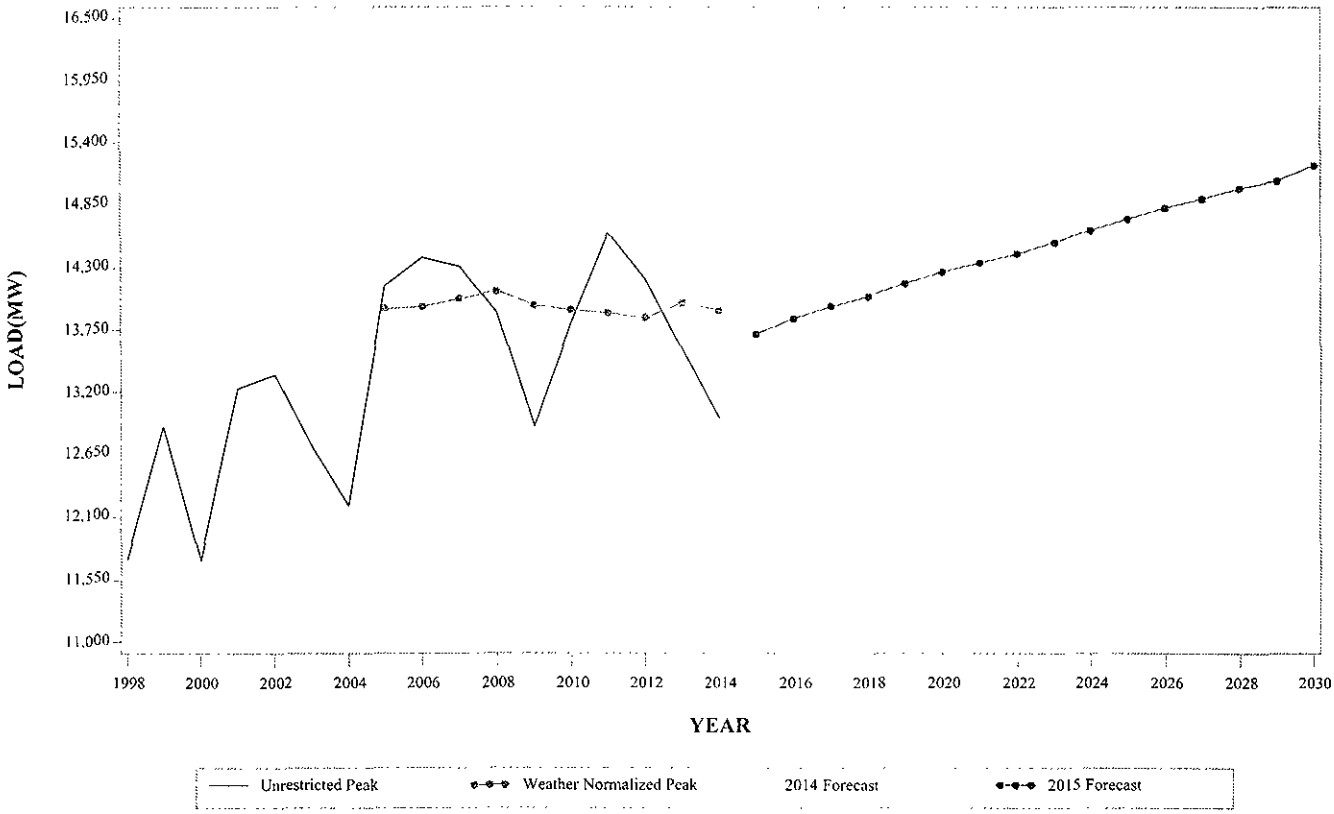
SUMMER PEAK DEMAND FOR EASTERN MID-ATLANTIC
GEOGRAPHIC ZONE



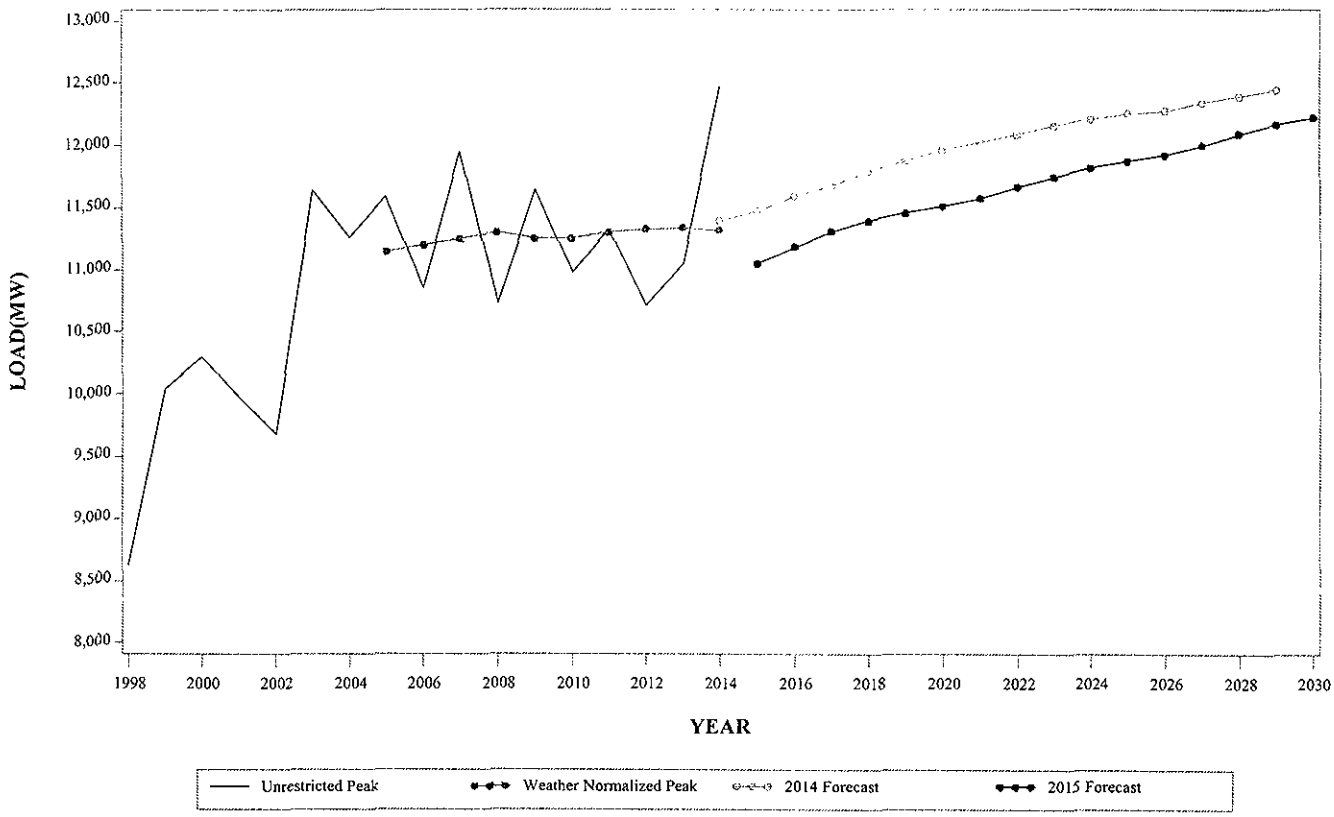
WINTER PEAK DEMAND FOR EASTERN MID-ATLANTIC
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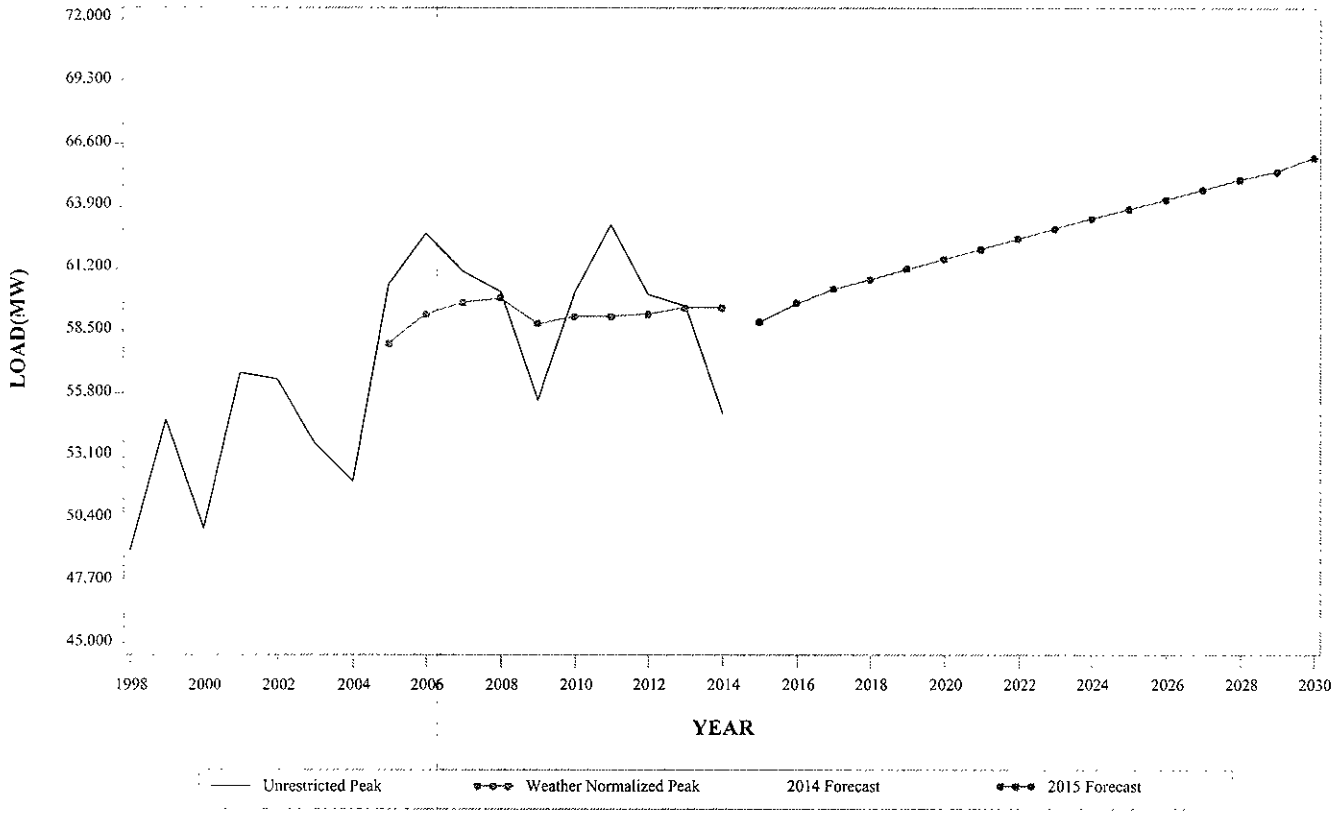
SUMMER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC
GEOGRAPHIC ZONE



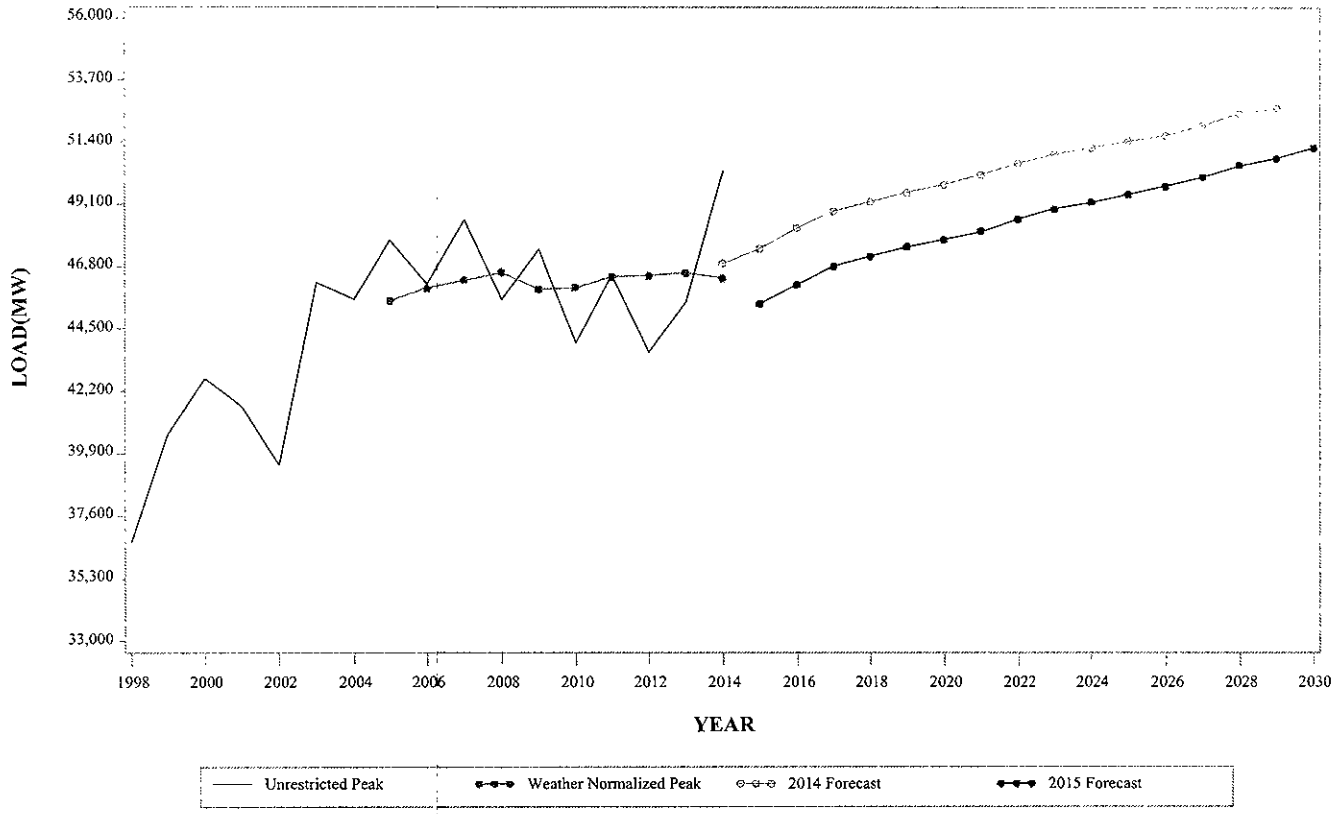
WINTER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC
GEOGRAPHIC ZONE



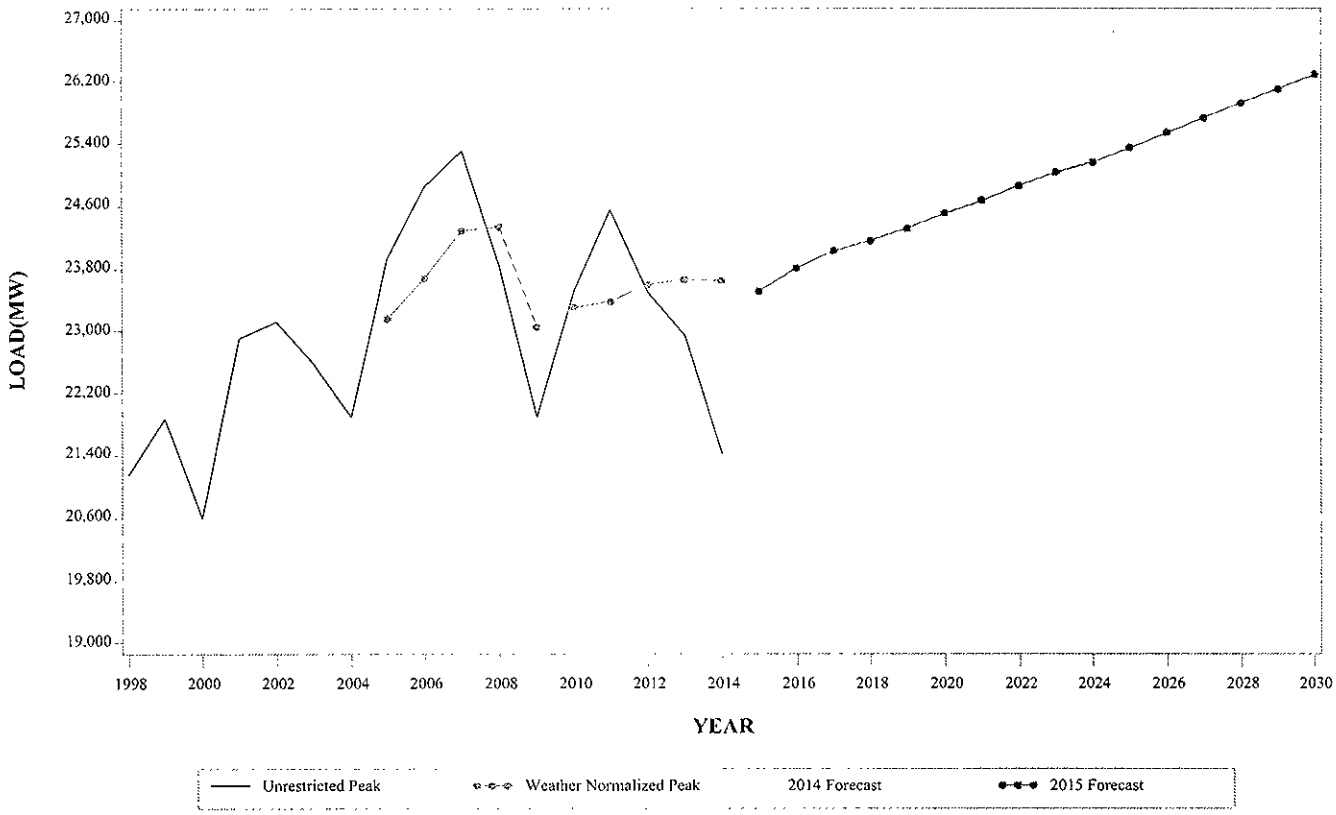
SUMMER PEAK DEMAND FOR PJM MID-ATLANTIC GEOGRAPHIC ZONE



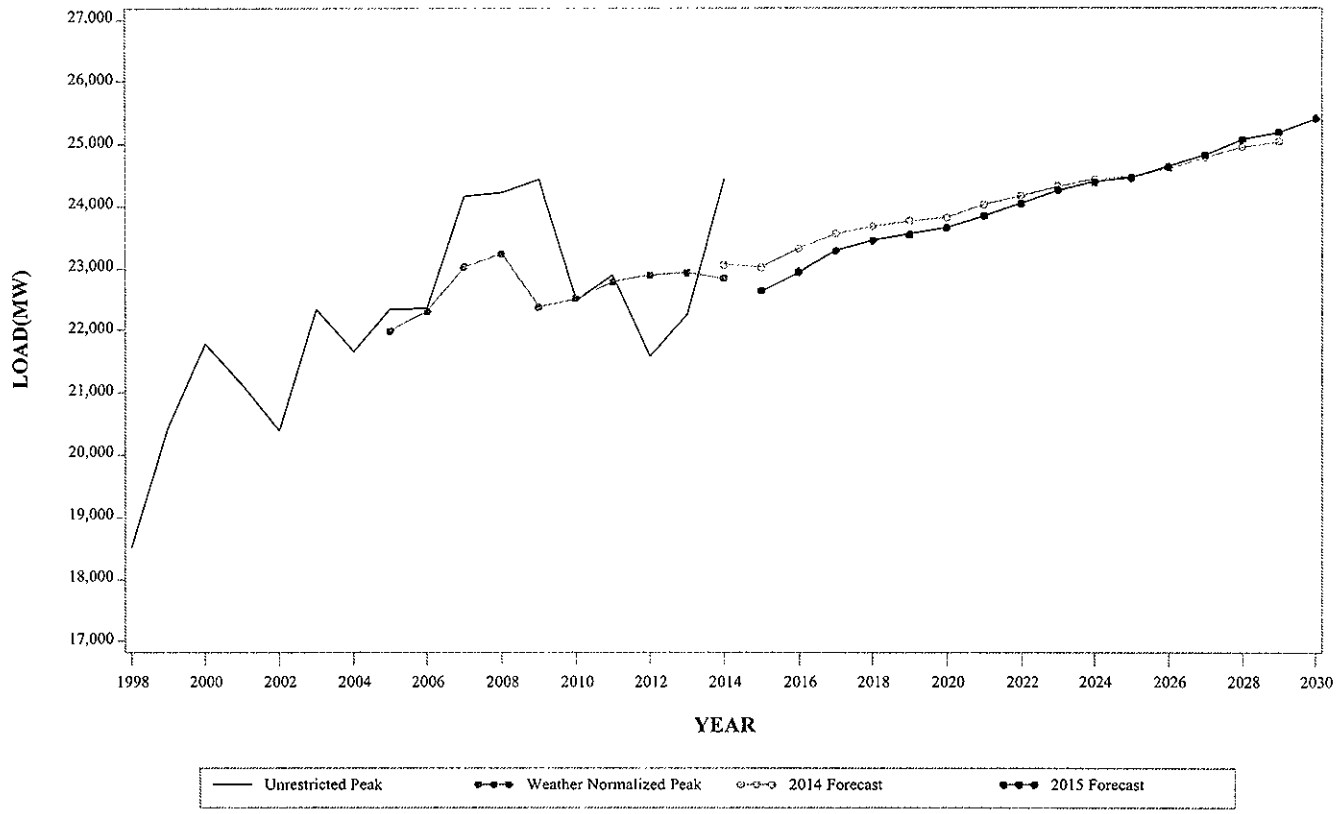
WINTER PEAK DEMAND FOR PJM MID-ATLANTIC GEOGRAPHIC ZONE



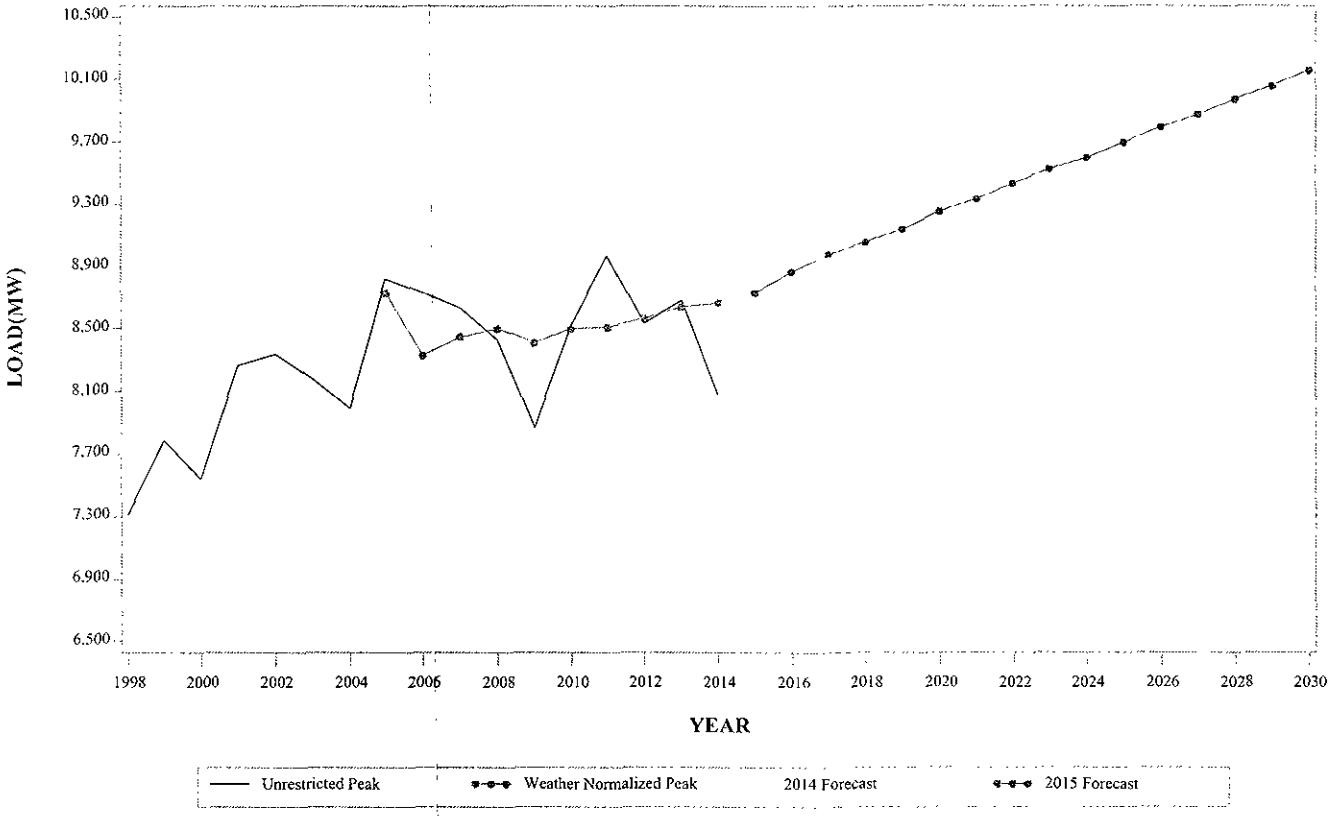
SUMMER PEAK DEMAND FOR AEP
GEOGRAPHIC ZONE



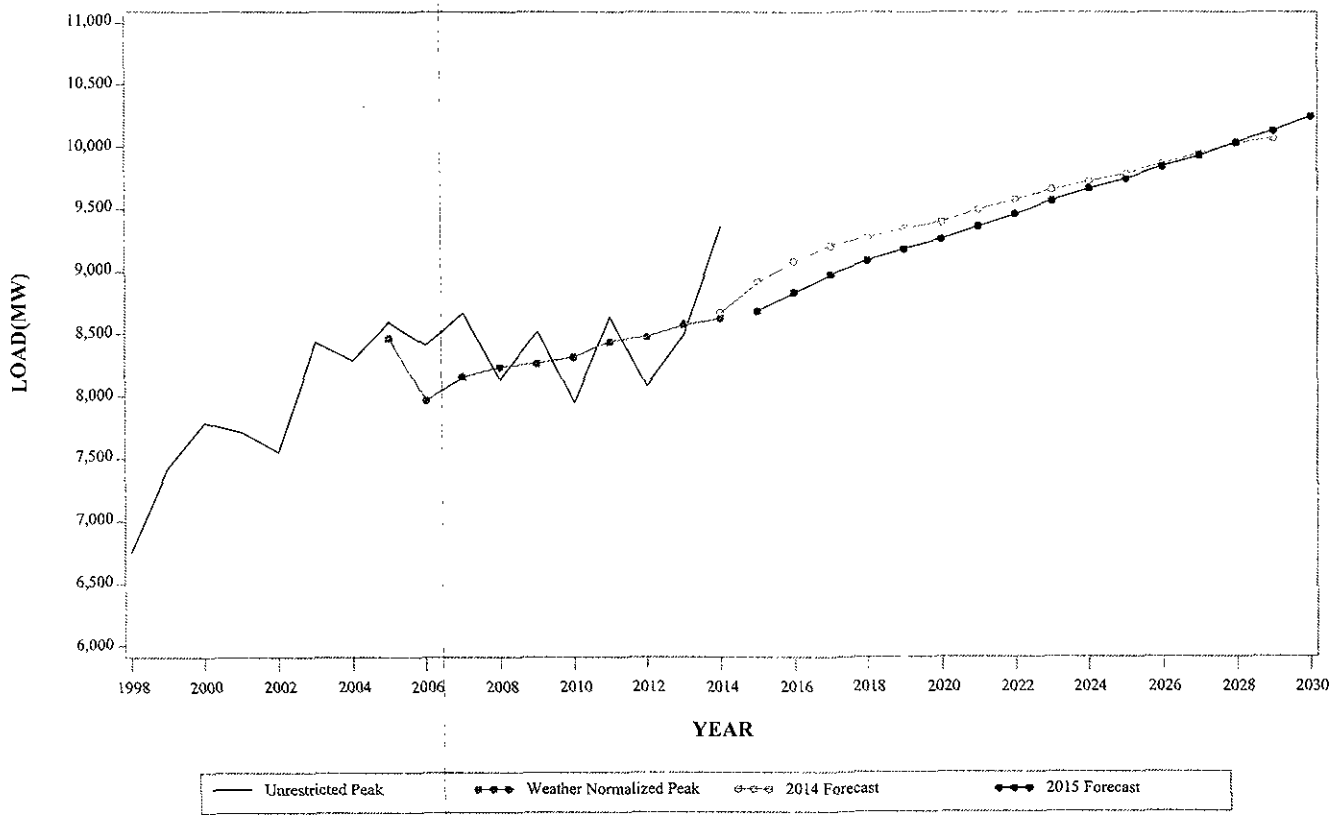
WINTER PEAK DEMAND FOR AEP
GEOGRAPHIC ZONE



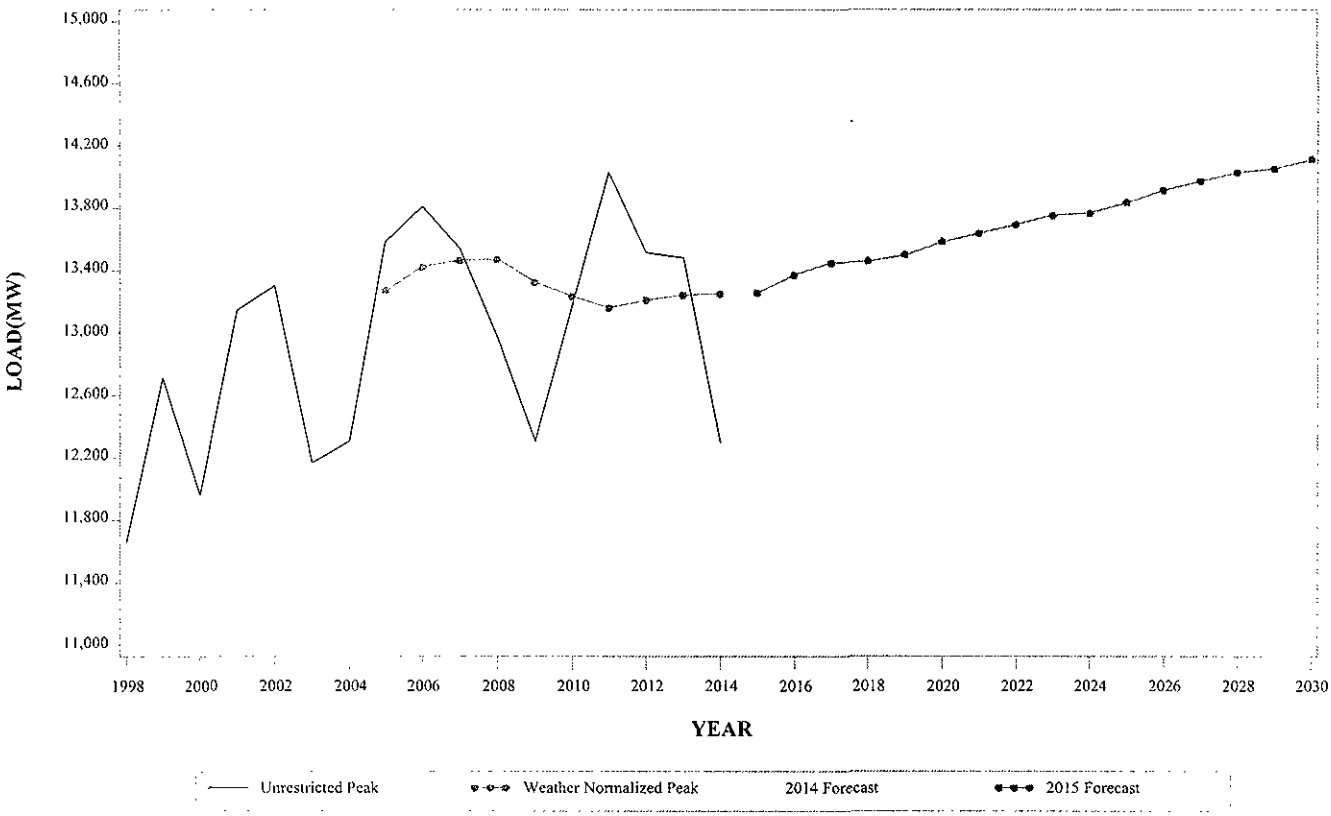
SUMMER PEAK DEMAND FOR APS GEOGRAPHIC ZONE



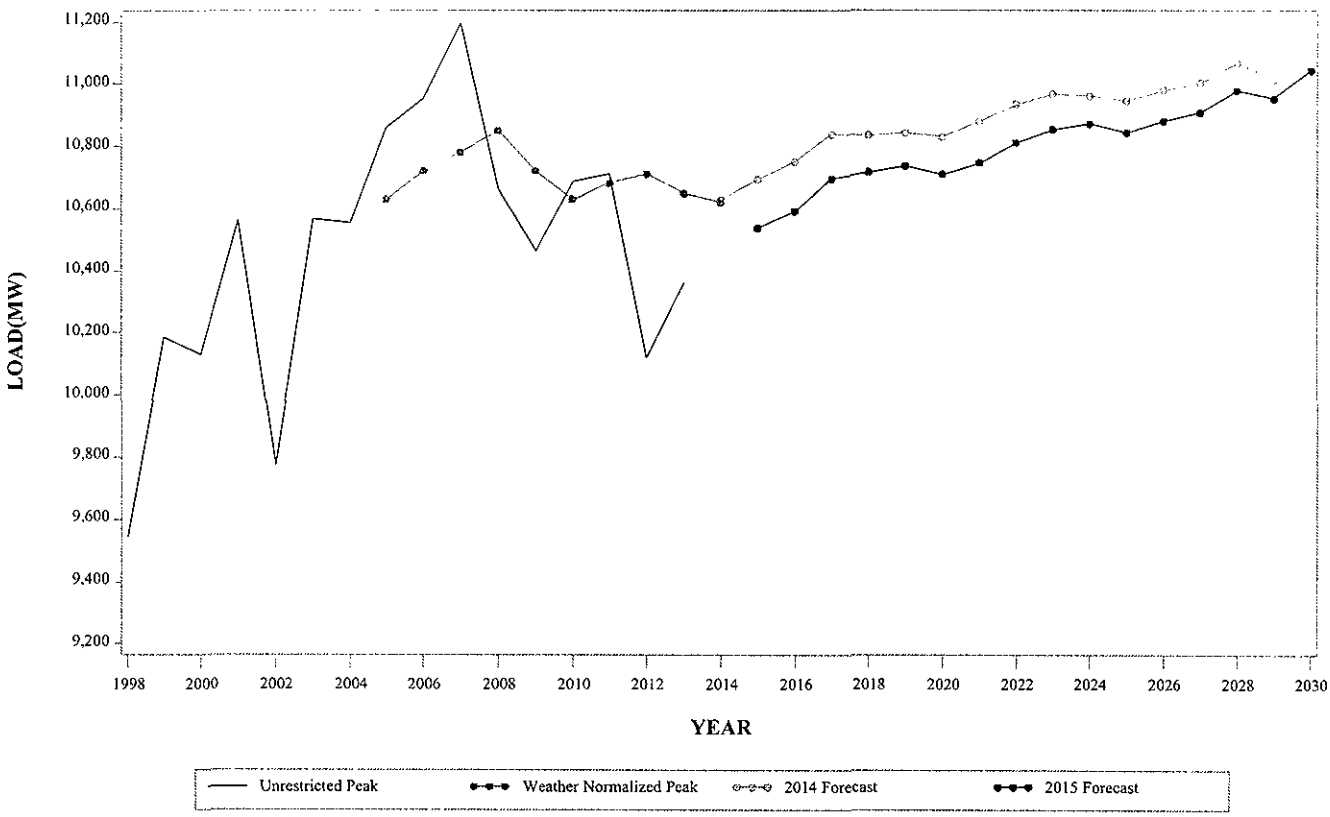
WINTER PEAK DEMAND FOR APS GEOGRAPHIC ZONE



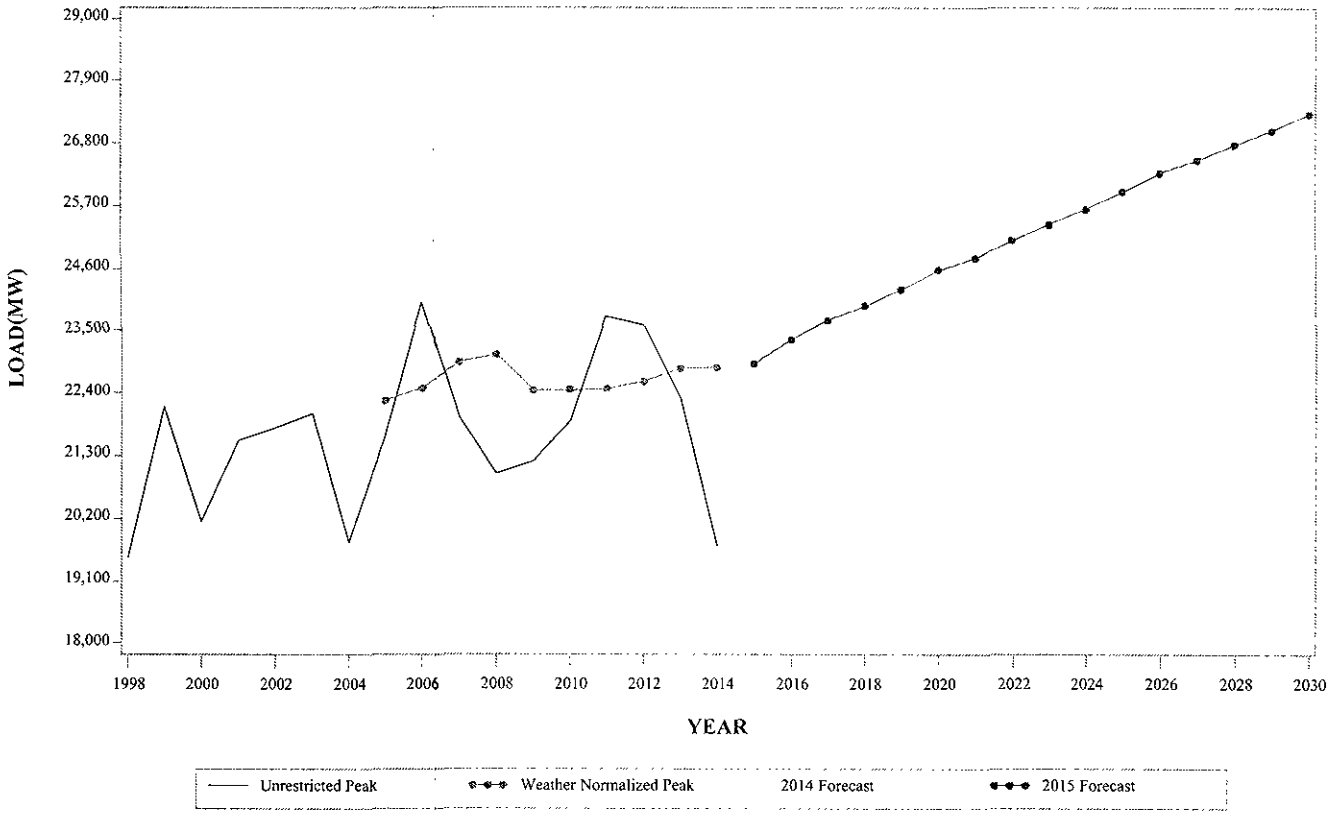
SUMMER PEAK DEMAND FOR ATSI GEOGRAPHIC ZONE



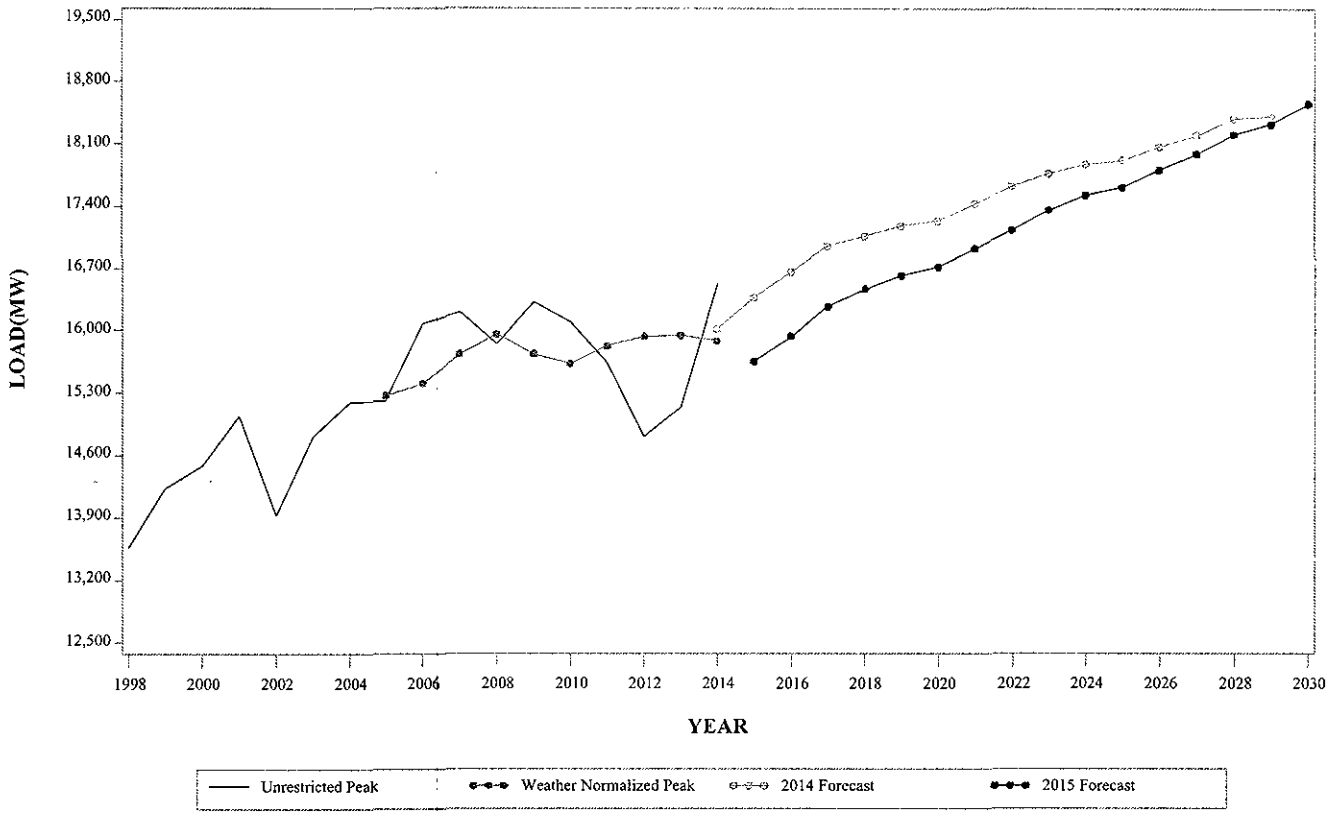
WINTER PEAK DEMAND FOR ATSI GEOGRAPHIC ZONE



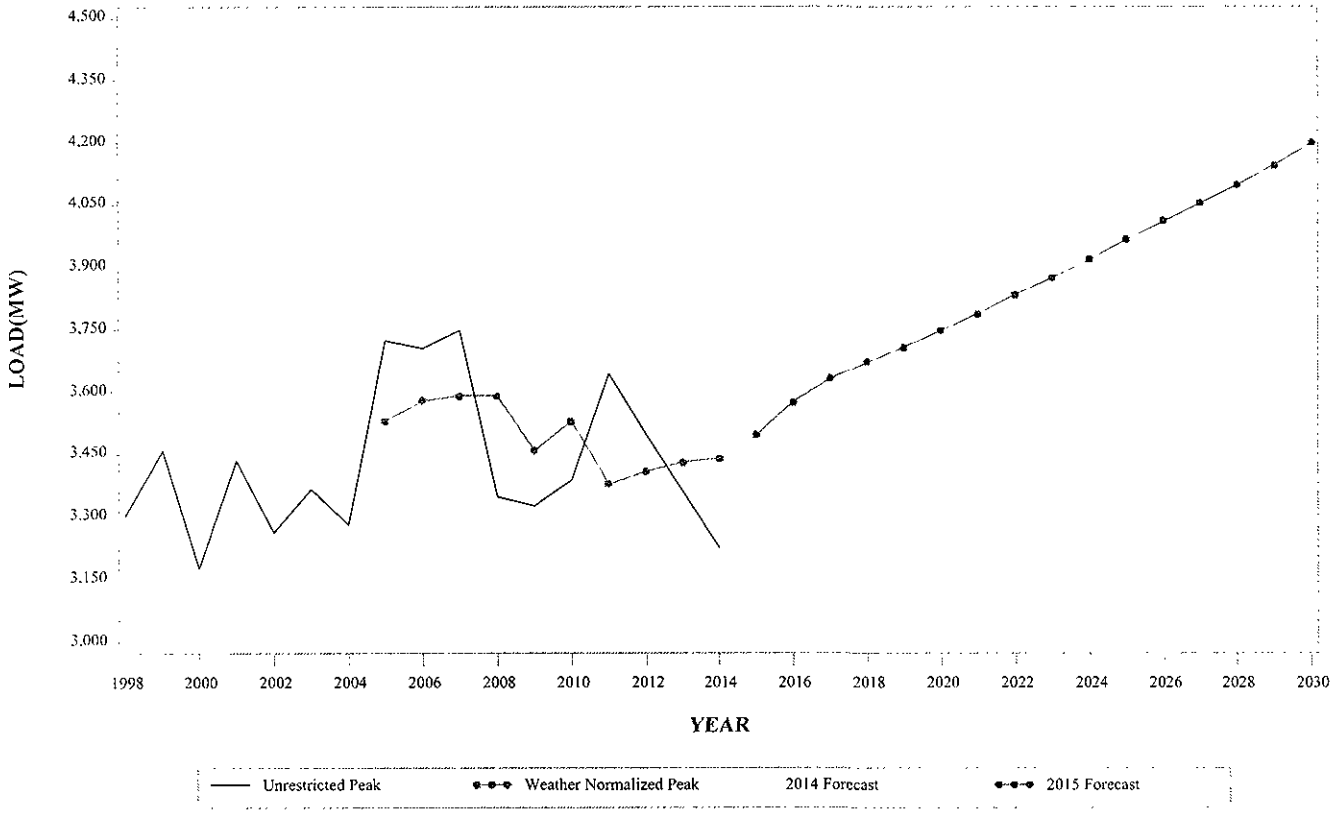
SUMMER PEAK DEMAND FOR COMED
GEOGRAPHIC ZONE



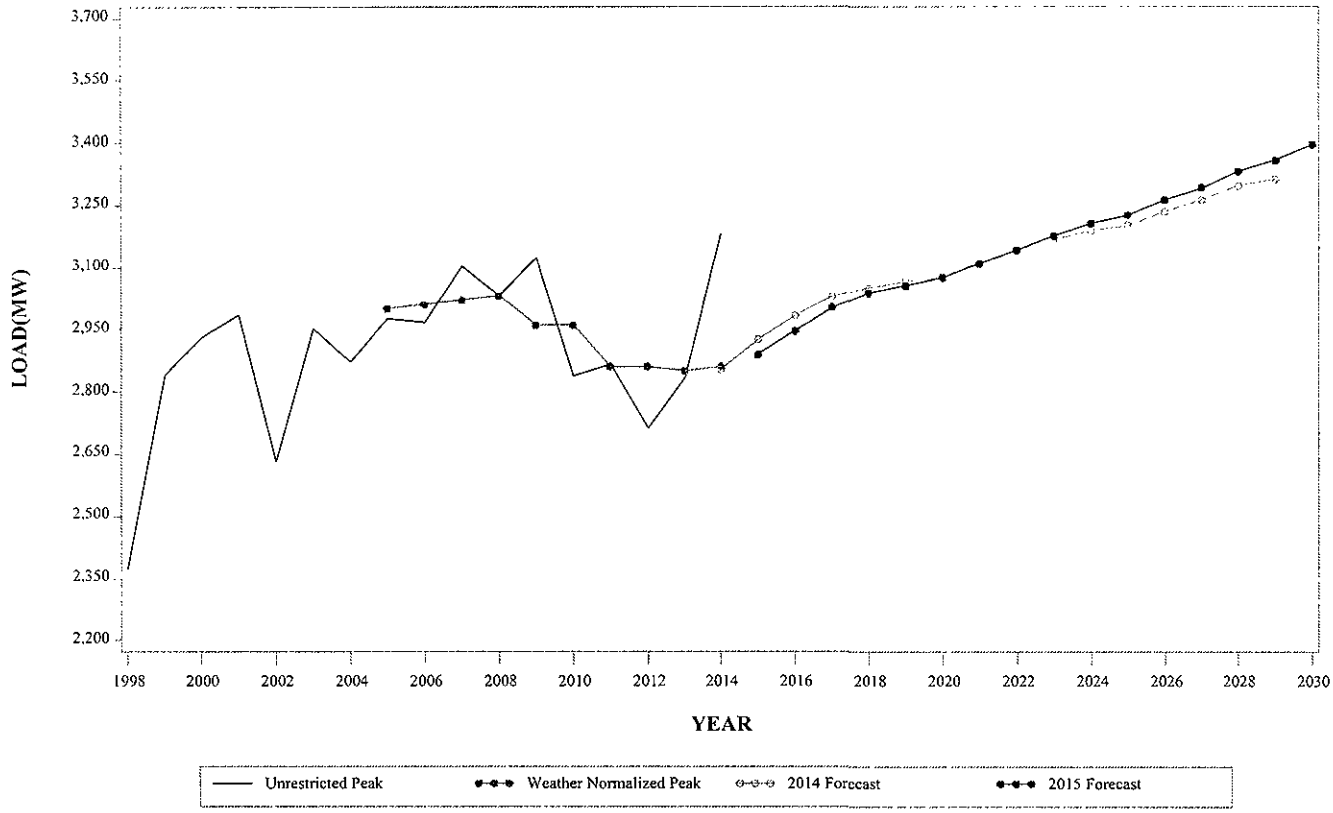
WINTER PEAK DEMAND FOR COMED
GEOGRAPHIC ZONE



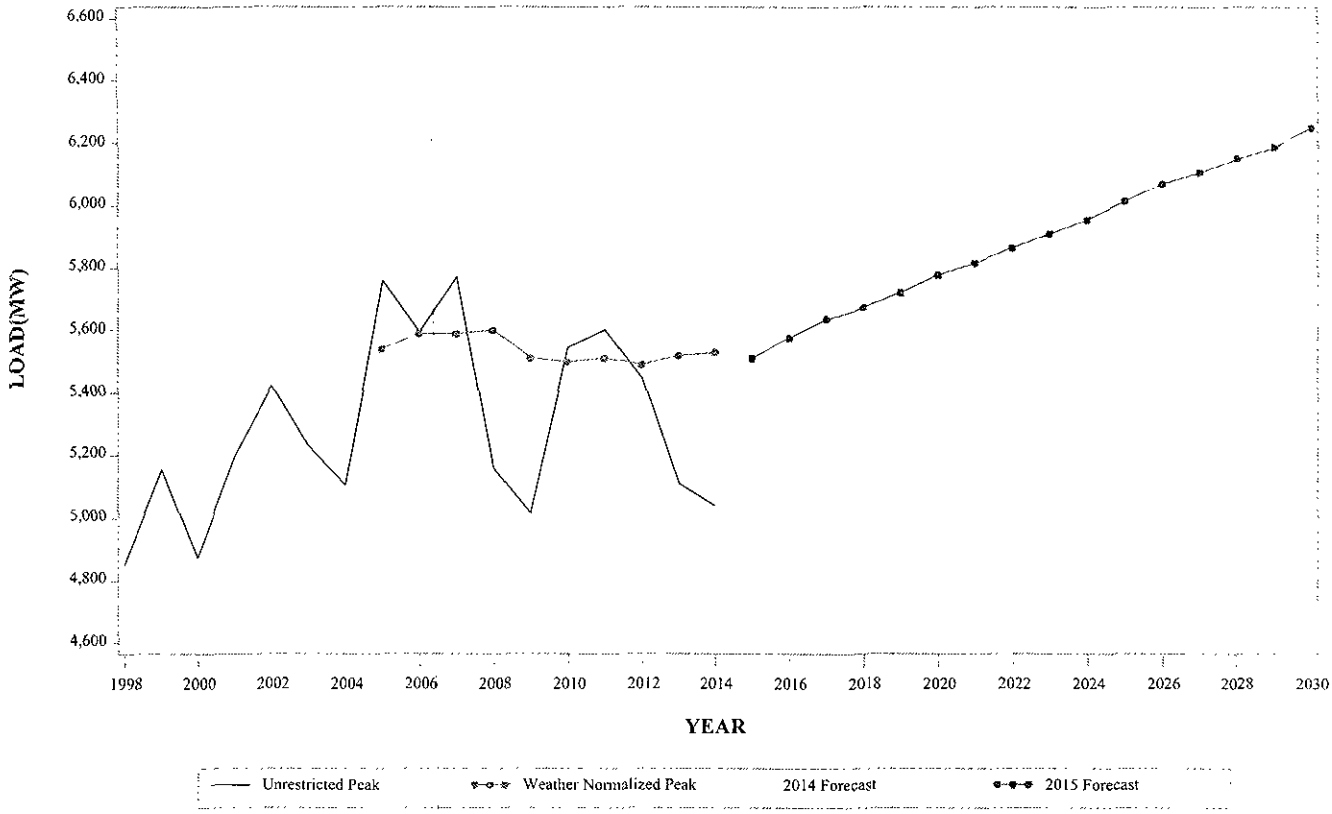
SUMMER PEAK DEMAND FOR DAYTON GEOGRAPHIC ZONE



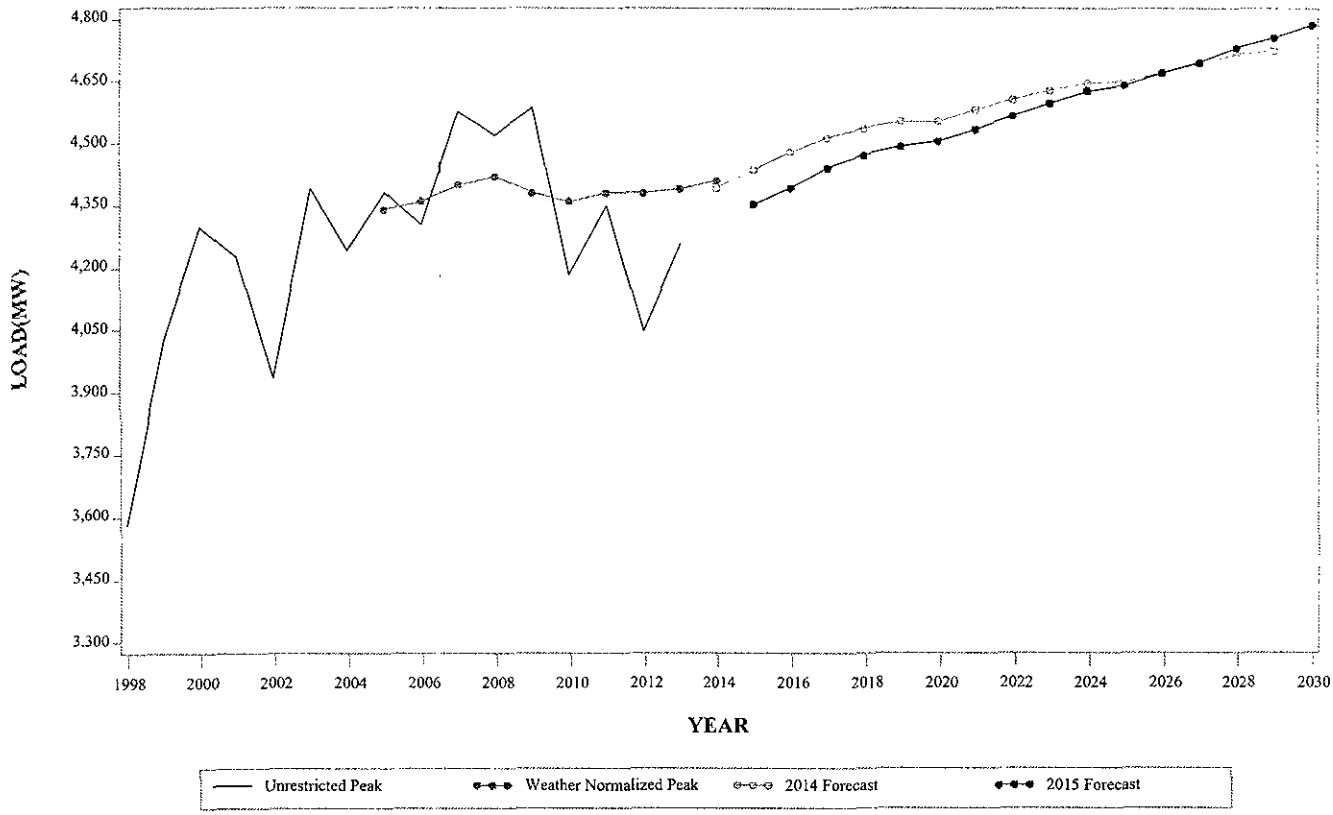
WINTER PEAK DEMAND FOR DAYTON GEOGRAPHIC ZONE



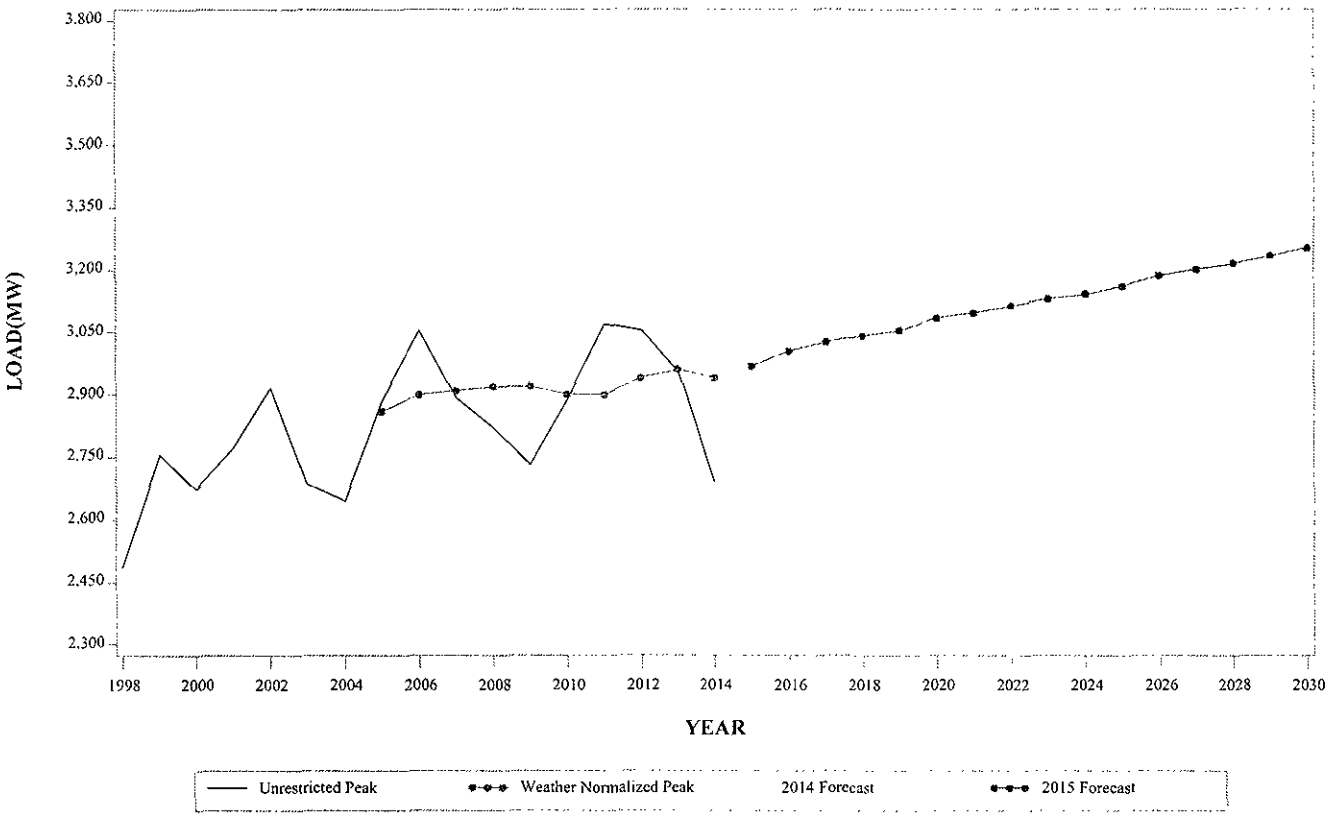
SUMMER PEAK DEMAND FOR DEOK
GEOGRAPHIC ZONE



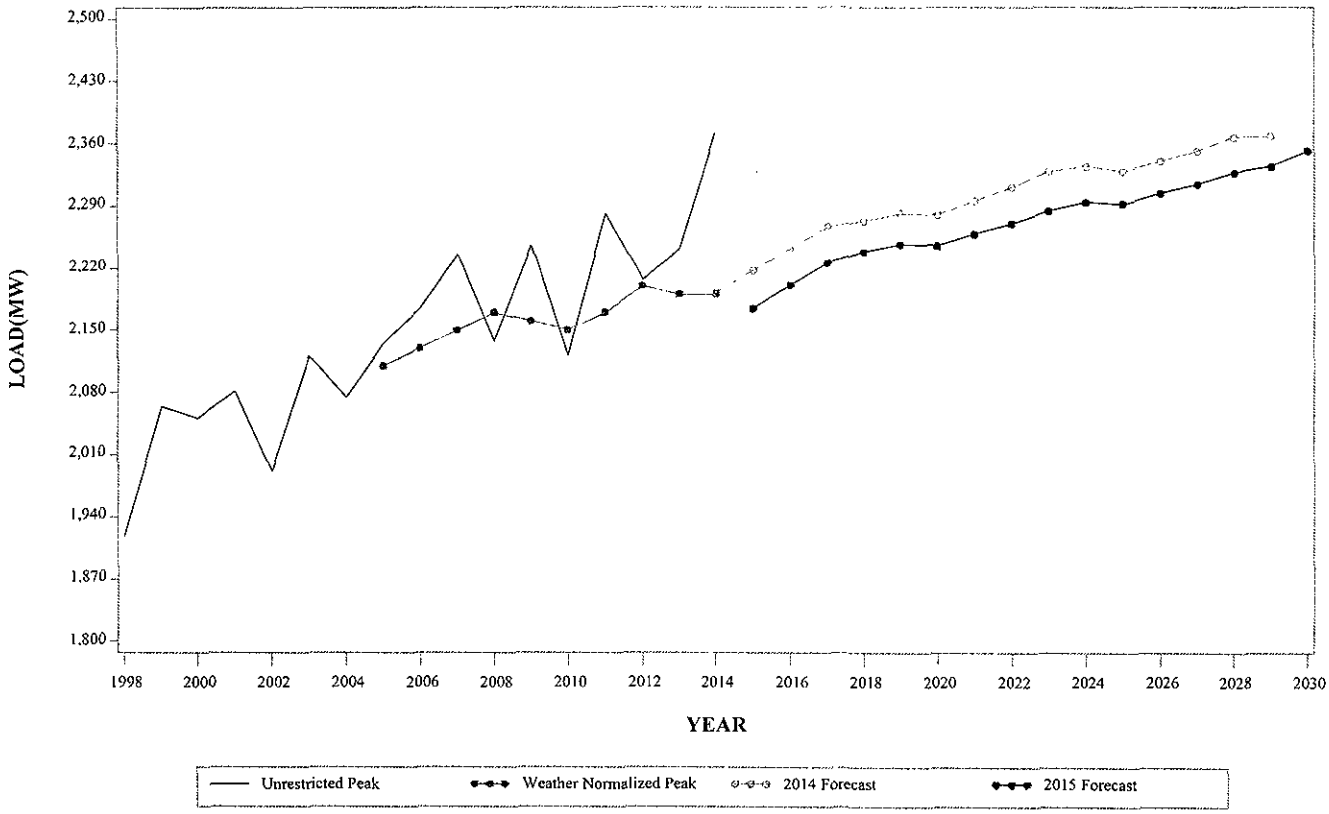
WINTER PEAK DEMAND FOR DEOK
GEOGRAPHIC ZONE



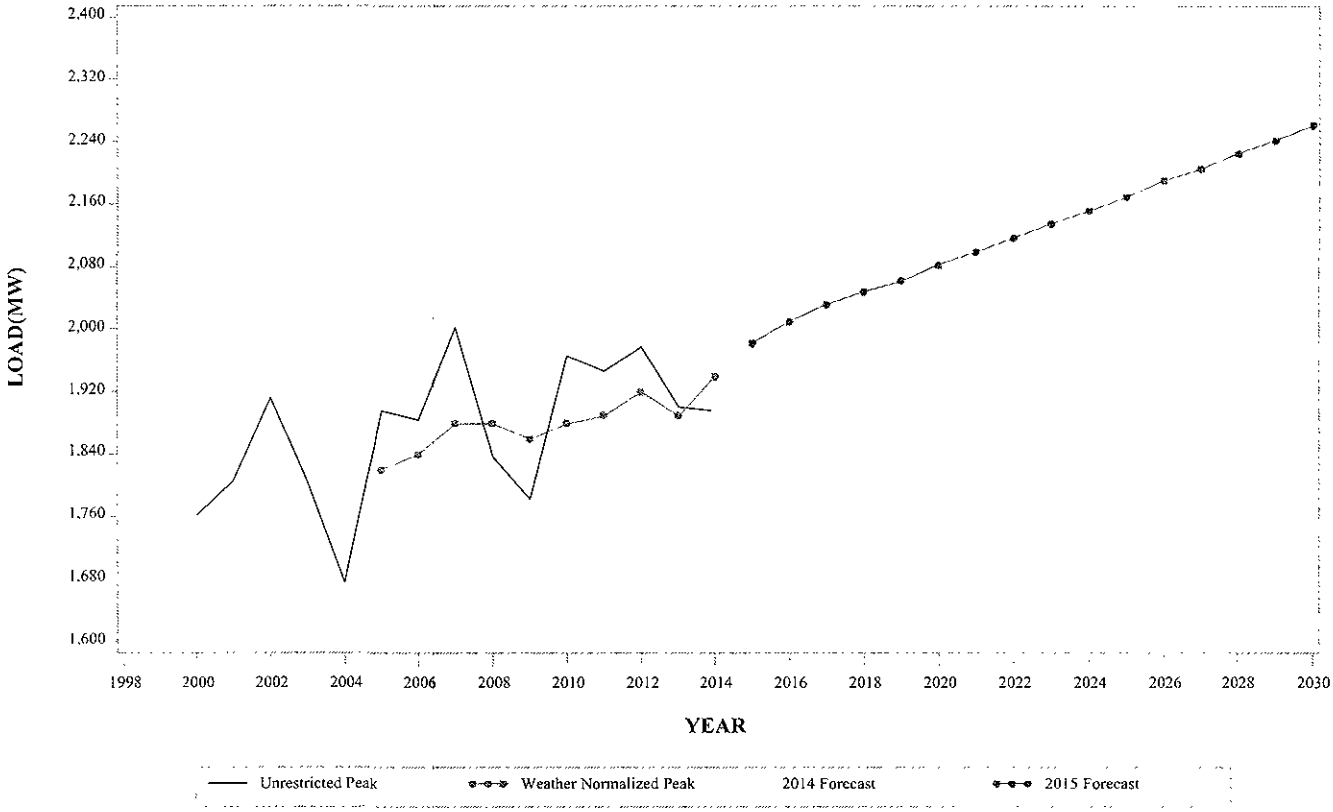
SUMMER PEAK DEMAND FOR DLCO
GEOGRAPHIC ZONE



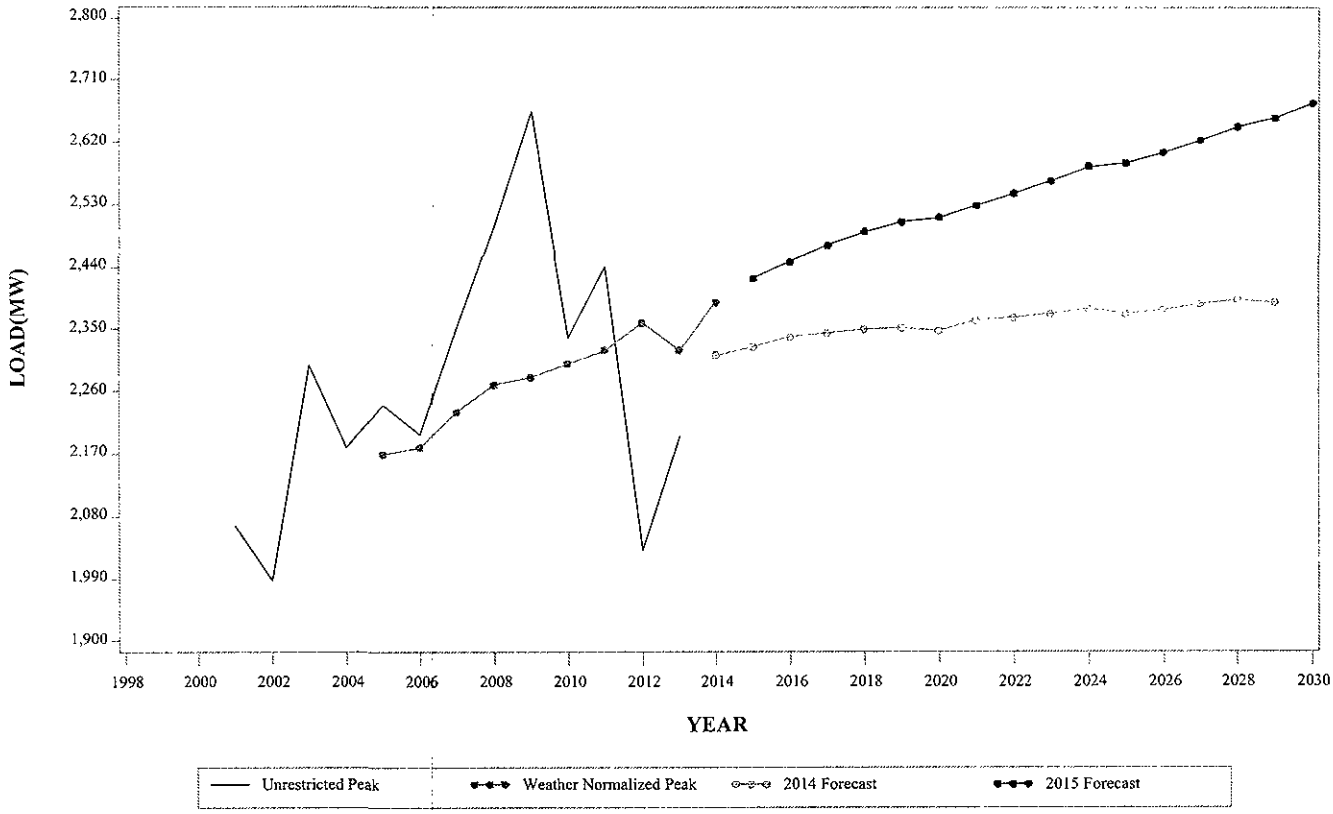
WINTER PEAK DEMAND FOR DLCO
GEOGRAPHIC ZONE



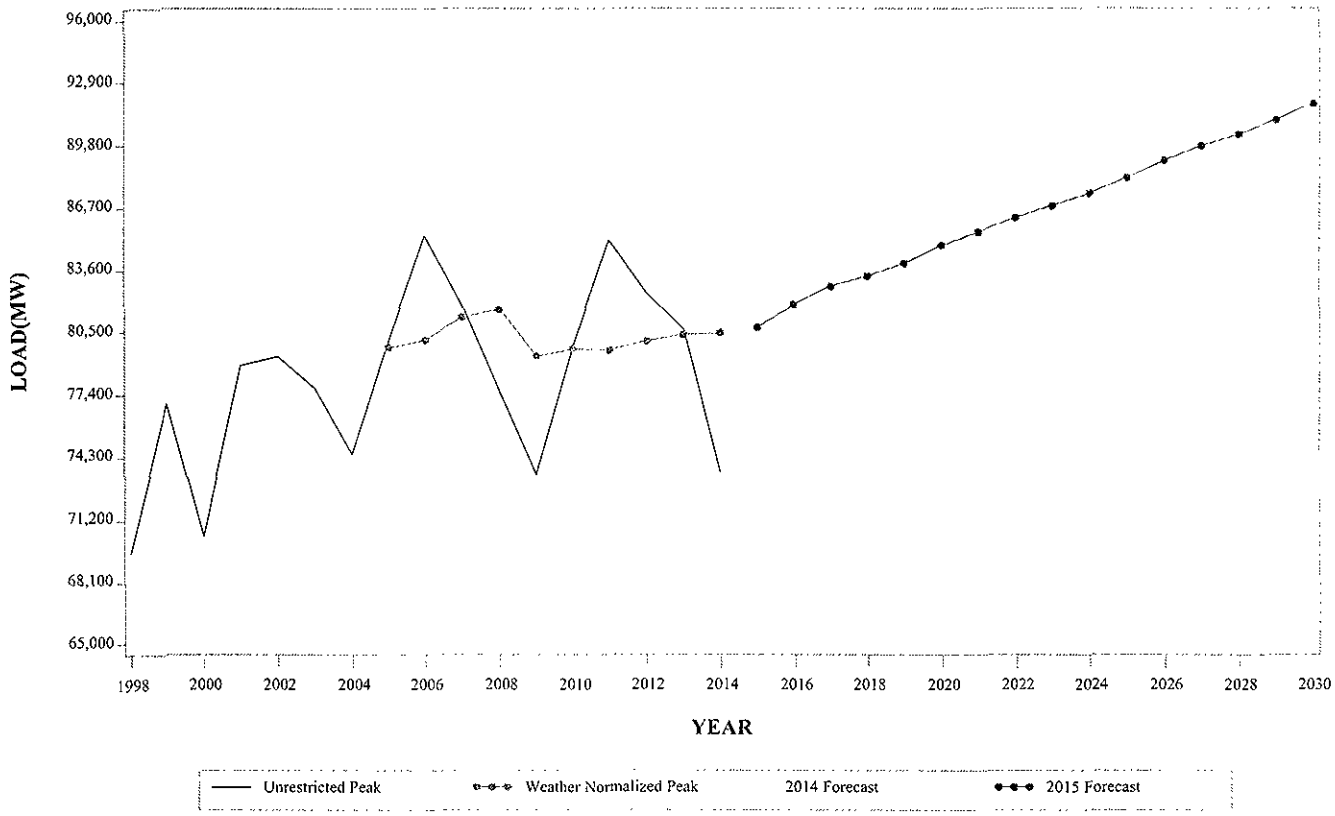
SUMMER PEAK DEMAND FOR EKPC GEOGRAPHIC ZONE



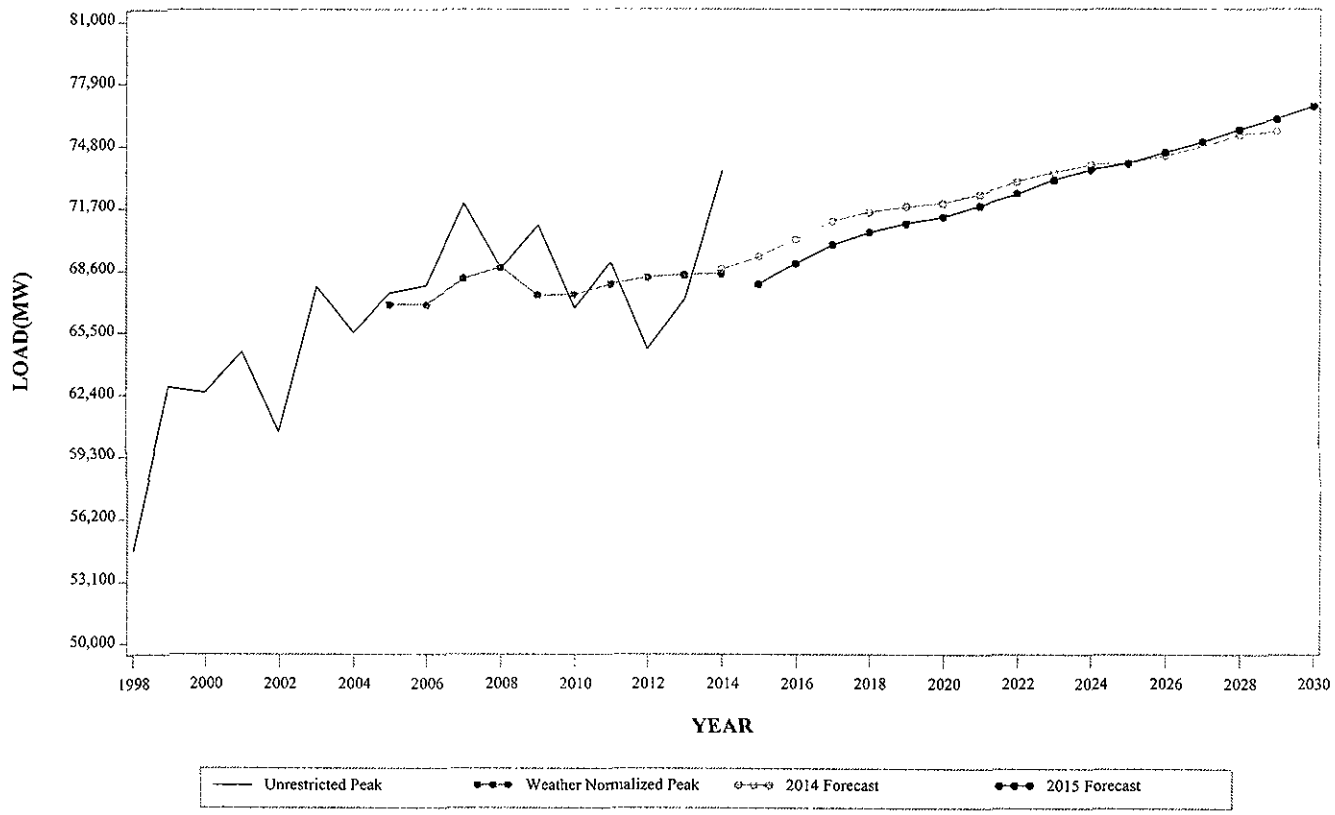
WINTER PEAK DEMAND FOR EKPC GEOGRAPHIC ZONE



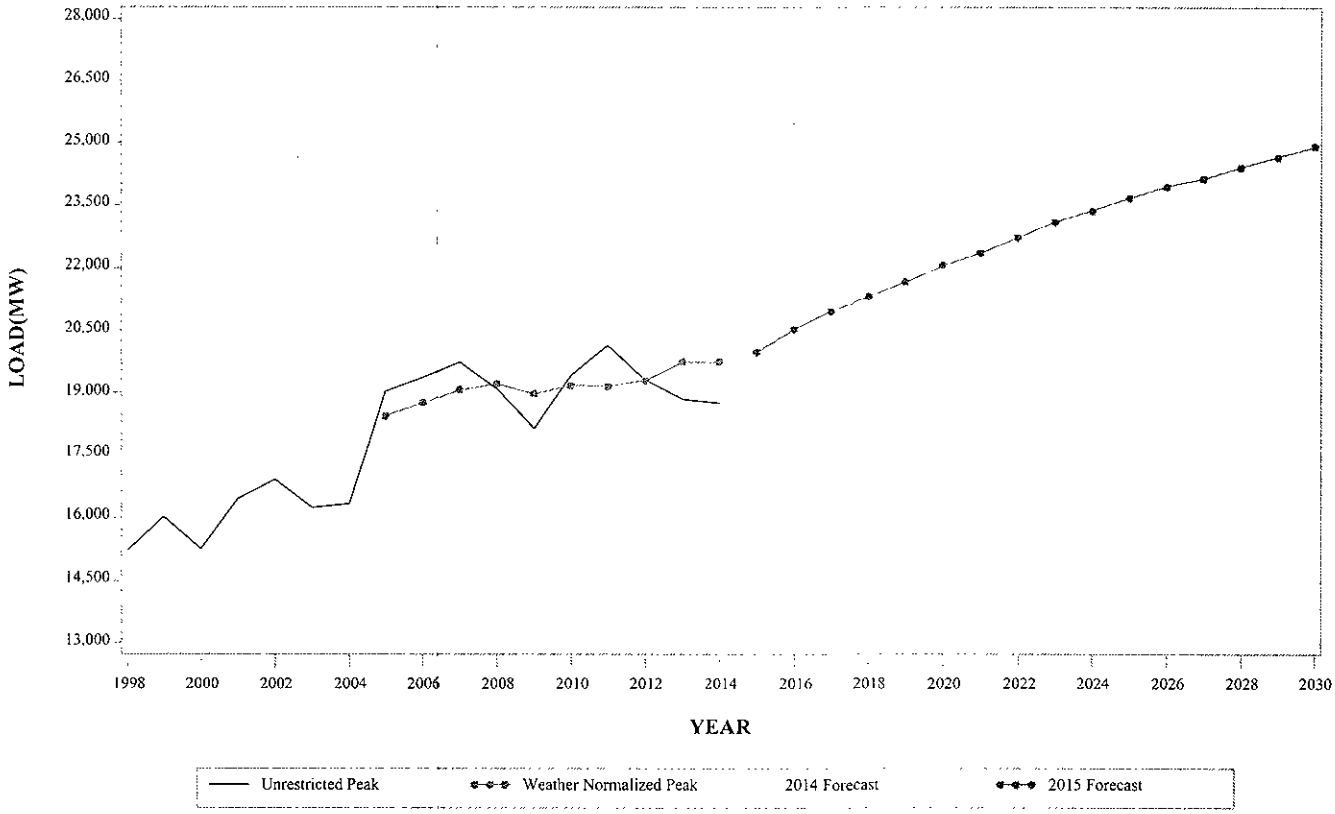
SUMMER PEAK DEMAND FOR PJM WESTERN
GEOGRAPHIC ZONE



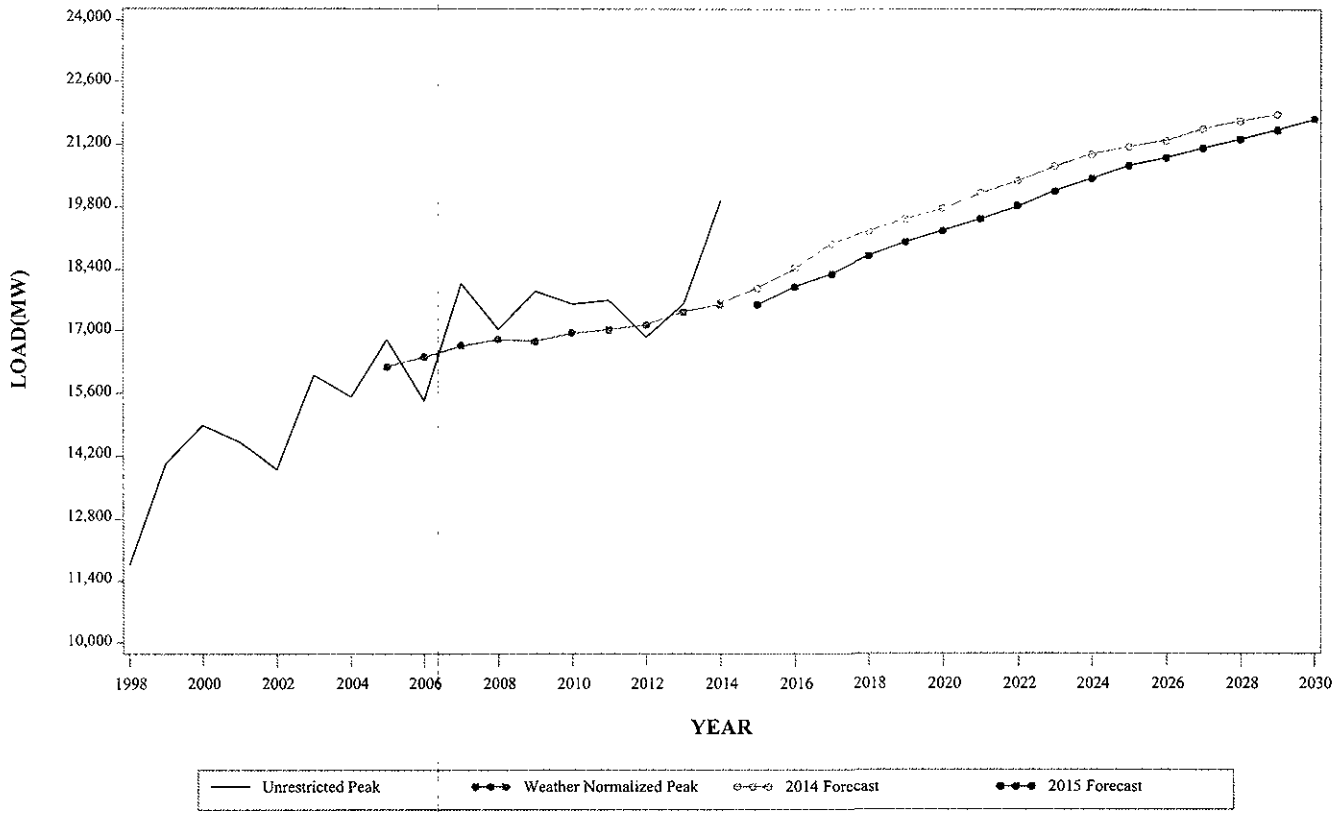
WINTER PEAK DEMAND FOR PJM WESTERN
GEOGRAPHIC ZONE



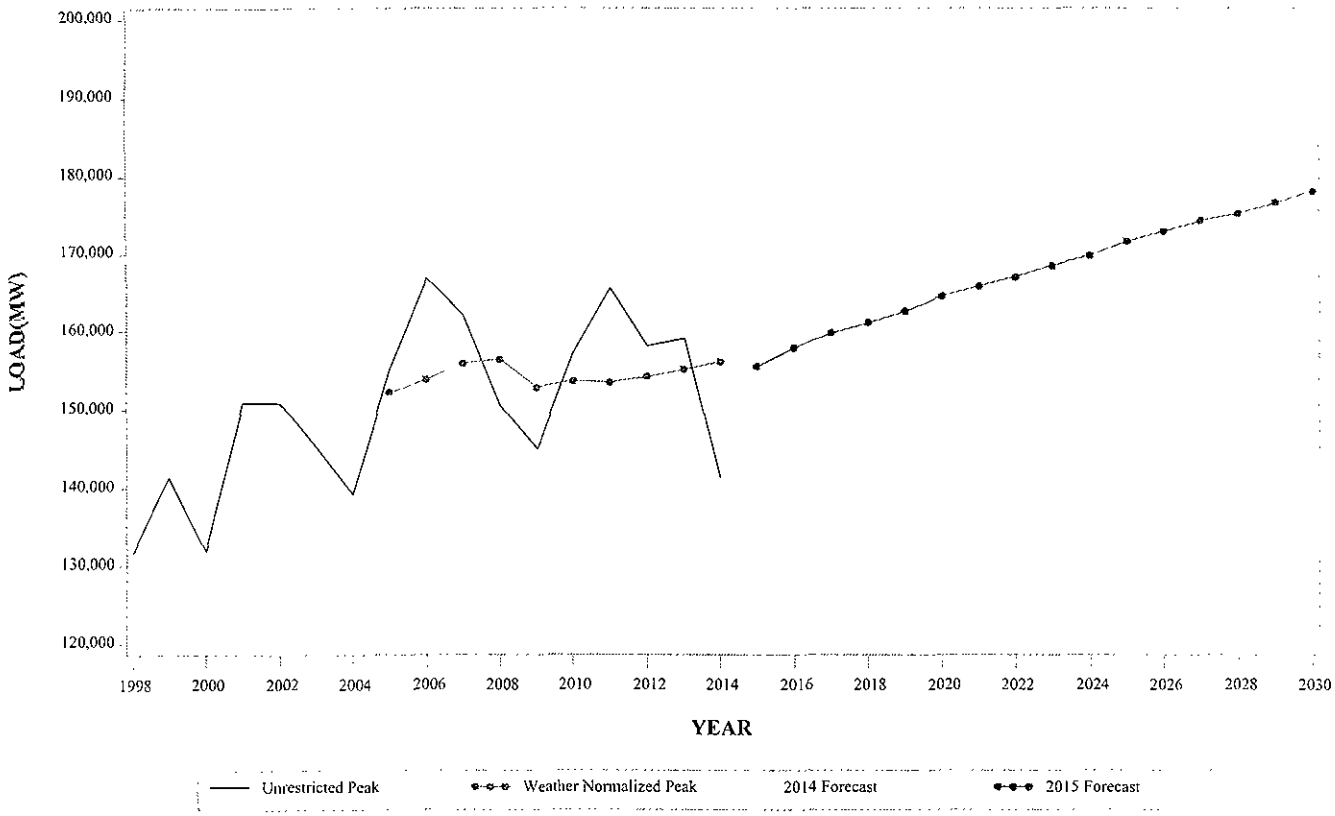
SUMMER PEAK DEMAND FOR DOM
GEOGRAPHIC ZONE



WINTER PEAK DEMAND FOR DOM
GEOGRAPHIC ZONE



SUMMER PEAK DEMAND FOR PJM RTO
GEOGRAPHIC ZONE



WINTER PEAK DEMAND FOR PJM RTO
GEOGRAPHIC ZONE

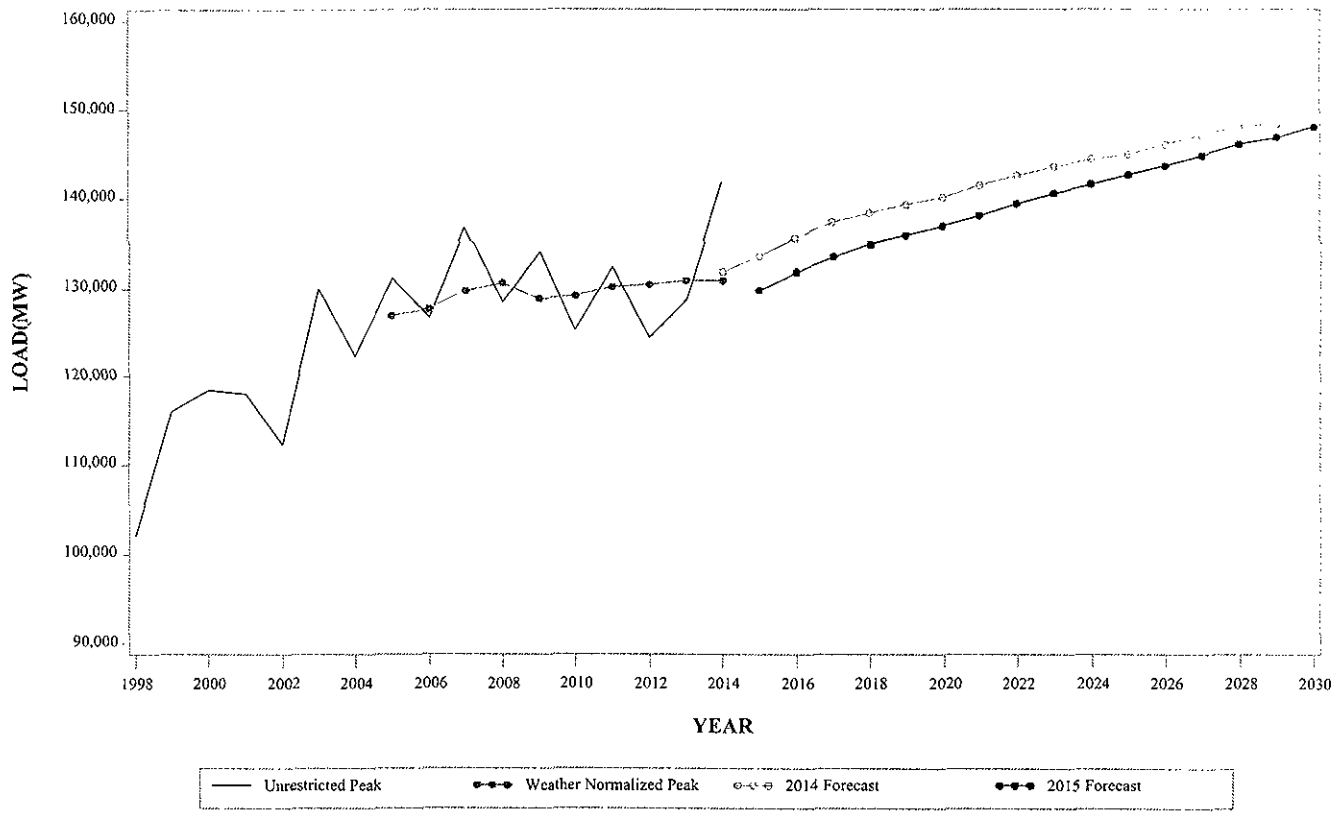


Table A-1

PJM MID-ATLANTIC REGION
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2014 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2015		2020		2025	
	MW	%	MW	%	MW	%
AE	(142)	-5.1%	(148)	-5.1%	(158)	-5.3%
BGE	(272)	-3.7%	(334)	-4.3%	(267)	-3.3%
DPL	(84)	-2.0%	(82)	-1.8%	(78)	-1.7%
JCPL	(225)	-3.5%	(192)	-2.8%	(141)	-2.0%
METED	(142)	-4.6%	(153)	-4.6%	(173)	-5.0%
PECO	(387)	-4.3%	(426)	-4.5%	(476)	-4.8%
PENLC	(145)	-4.7%	(174)	-5.3%	(204)	-5.9%
PEPCO	(308)	-4.4%	(297)	-4.2%	(277)	-3.8%
PL	(315)	-4.2%	(350)	-4.5%	(387)	-4.8%
PS	(454)	-4.2%	(385)	-3.5%	(328)	-2.9%
RECO	(3)	-0.7%	(2)	-0.5%	0	0.0%
UGI	(5)	-2.5%	(6)	-2.8%	(7)	-3.2%
PJM MID-ATLANTIC	(2,463)	-4.0%	(2,518)	-3.9%	(2,441)	-3.7%
FE-EAST	(505)	-4.1%	(496)	-3.8%	(490)	-3.6%
PLGRP	(309)	-4.0%	(345)	-4.3%	(394)	-4.7%

Table A-1

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2014 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2015		2020		2025	
	MW	%	MW	%	MW	%
AEP	(471)	-2.0%	(343)	-1.4%	(247)	-1.0%
APS	(290)	-3.2%	(193)	-2.0%	(98)	-1.0%
ATSI	(274)	-2.0%	(269)	-1.9%	(266)	-1.9%
COMED	(965)	-4.0%	(730)	-2.9%	(485)	-1.8%
DAYTON	(86)	-2.4%	(39)	-1.0%	1	0.0%
DEOK	(193)	-3.4%	(165)	-2.8%	(118)	-1.9%
DLCO	(87)	-2.8%	(105)	-3.3%	(128)	-3.9%
EKPC	53	2.7%	91	4.6%	129	6.3%
PJM WESTERN	(1,908)	-2.3%	(1,416)	-1.6%	(1,020)	-1.1%
DOM	(766)	-3.7%	(846)	-3.7%	(818)	-3.3%
PJM RTO	(4,716)	-2.9%	(4,152)	-2.5%	(3,503)	-2.0%

Table A-2

PJM MID-ATLANTIC REGION
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2014 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	14/15		19/20		24/25	
	MW	%	MW	%	MW	%
AE	(108)	-6.1%	(111)	-6.1%	(117)	-6.3%
BGE	(211)	-3.5%	(266)	-4.3%	(261)	-4.1%
DPL	(58)	-1.7%	(35)	-1.0%	(28)	-0.8%
JCPL	(201)	-5.0%	(157)	-3.8%	(126)	-2.9%
METED	(116)	-4.3%	(110)	-3.8%	(116)	-3.8%
PECO	(312)	-4.5%	(316)	-4.4%	(346)	-4.6%
PENLC	(128)	-4.3%	(154)	-4.7%	(193)	-5.6%
PEPCO	(233)	-4.2%	(188)	-3.3%	(150)	-2.5%
PL	(246)	-3.3%	(250)	-3.2%	(278)	-3.4%
PS	(400)	-5.7%	(331)	-4.6%	(286)	-3.9%
RECO	(4)	-1.7%	(7)	-2.9%	(10)	-4.1%
UGI	(2)	-1.0%	(3)	-1.4%	(3)	-1.4%
PJM MID-ATLANTIC	(2,015)	-4.2%	(2,037)	-4.1%	(1,971)	-3.8%
FE-EAST	(452)	-4.7%	(426)	-4.2%	(426)	-4.0%
PLGRP	(240)	-3.1%	(248)	-3.1%	(265)	-3.2%

Table A-2

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2014 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	14/15		19/20		24/25	
	MW	%	MW	%	MW	%
AEP	(370)	-1.6%	(166)	-0.7%	(19)	-0.1%
APS	(232)	-2.6%	(138)	-1.5%	(41)	-0.4%
ATSI	(155)	-1.4%	(120)	-1.1%	(104)	-1.0%
COMED	(716)	-4.4%	(515)	-3.0%	(306)	-1.7%
DAYTON	(36)	-1.2%	(1)	-0.0%	24	0.7%
DEOK	(83)	-1.9%	(47)	-1.0%	(9)	-0.2%
DLCO	(43)	-1.9%	(35)	-1.5%	(37)	-1.6%
EKPC	99	4.3%	163	6.9%	218	9.2%
PJM WESTERN	(1,357)	-2.0%	(672)	-0.9%	2	0.0%
DOM	(372)	-2.1%	(515)	-2.6%	(425)	-2.0%
PJM RTO	(3,798)	-2.8%	(3,187)	-2.3%	(2,351)	-1.6%

Table B-1

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2015 - 2025

	METERED 2014	UNRESTRICTED 2014	NORMAL 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AE	2,444	2,444	2,700	2,664	2,702	2,727	2,739	2,747	2,762	2,773	2,790	2,805	2,812	2,827	0.6%
				-1.3%	1.4%	0.9%	0.4%	0.3%	0.5%	0.4%	0.6%	0.5%	0.2%	0.5%	
BGE	6,666	6,666	7,200	7,127	7,212	7,287	7,330	7,388	7,457	7,511	7,573	7,637	7,685	7,753	0.8%
				-1.0%	1.2%	1.0%	0.6%	0.8%	0.9%	0.7%	0.8%	0.8%	0.6%	0.9%	
DPL	3,876	3,876	4,170	4,177	4,240	4,287	4,319	4,349	4,388	4,418	4,456	4,491	4,520	4,557	0.9%
				0.2%	1.5%	1.1%	0.7%	0.7%	0.9%	0.7%	0.9%	0.8%	0.6%	0.8%	
JCPL	5,637	5,637	6,310	6,269	6,362	6,435	6,480	6,531	6,596	6,643	6,705	6,752	6,795	6,851	0.9%
				-0.6%	1.5%	1.1%	0.7%	0.8%	1.0%	0.7%	0.9%	0.7%	0.6%	0.8%	
METED	2,817	2,817	2,970	2,954	3,007	3,048	3,078	3,112	3,150	3,177	3,210	3,243	3,276	3,310	1.1%
				-0.5%	1.8%	1.4%	1.0%	1.1%	1.2%	0.9%	1.0%	1.0%	1.0%	1.0%	
PECO	8,258	8,258	8,680	8,645	8,768	8,877	8,951	9,020	9,096	9,156	9,230	9,298	9,360	9,434	0.9%
				-0.4%	1.4%	1.2%	0.8%	0.8%	0.8%	0.7%	0.8%	0.7%	0.7%	0.8%	
PENLC	2,789	2,789	2,890	2,914	2,978	3,026	3,055	3,086	3,118	3,148	3,184	3,217	3,242	3,276	1.2%
				0.8%	2.2%	1.6%	1.0%	1.0%	1.0%	1.0%	1.1%	1.0%	0.8%	1.0%	
PEPCO	6,346	6,346	6,770	6,640	6,694	6,728	6,752	6,795	6,853	6,881	6,920	6,941	6,973	7,022	0.6%
				-1.9%	0.8%	0.5%	0.4%	0.6%	0.9%	0.4%	0.6%	0.3%	0.5%	0.7%	
PL	6,716	6,732	7,220	7,162	7,262	7,337	7,379	7,434	7,492	7,539	7,603	7,656	7,699	7,759	0.8%
				-0.8%	1.4%	1.0%	0.6%	0.7%	0.8%	0.6%	0.8%	0.7%	0.6%	0.8%	
PS	9,516	9,516	10,510	10,306	10,418	10,495	10,528	10,582	10,649	10,698	10,761	10,816	10,849	10,907	0.6%
				-1.9%	1.1%	0.7%	0.3%	0.5%	0.6%	0.5%	0.6%	0.5%	0.3%	0.5%	
RECO	389	389	420	424	428	429	428	431	434	435	437	438	438	441	0.4%
				1.0%	0.9%	0.2%	-0.2%	0.7%	0.7%	0.2%	0.5%	0.2%	0.0%	0.7%	
UGI	189	189	190	197	200	202	203	204	206	207	209	210	211	212	0.7%
				3.7%	1.5%	1.0%	0.5%	0.5%	1.0%	0.5%	1.0%	0.5%	0.5%	0.5%	
DIVERSITY - MID-ATLANTIC(-)				578	560	563	505	474	562	528	551	555	456	530	
PJM MID-ATLANTIC	54,948	54,964	59,505	58,901	59,711	60,315	60,737	61,205	61,639	62,058	62,527	62,949	63,404	63,819	0.8%
				-1.0%	1.4%	1.0%	0.7%	0.8%	0.7%	0.7%	0.8%	0.7%	0.7%	0.7%	
FE-EAST	11,029	11,029	11,980	11,929	12,168	12,307	12,405	12,544	12,647	12,765	12,902	13,009	13,125	13,236	1.0%
				-0.4%	2.0%	1.1%	0.8%	1.1%	0.8%	0.9%	1.1%	0.8%	0.9%	0.8%	
PLGRP	6,891	6,908	7,400	7,330	7,432	7,509	7,562	7,622	7,670	7,720	7,782	7,835	7,892	7,944	0.8%
				-0.9%	1.4%	1.0%	0.7%	0.8%	0.6%	0.7%	0.8%	0.7%	0.7%	0.7%	

Notes:
Normal 2014 and all forecast values are non-coincident as estimated by PJM staff.
Normal 2014 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
2026 - 2030

	2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AE	2,842	2,855	2,872	2,886	2,902	0.6%
	0.5%	0.5%	0.6%	0.5%	0.6%	
BGE	7,822	7,877	7,941	7,995	8,066	0.8%
	0.9%	0.7%	0.8%	0.7%	0.9%	
DPL	4,596	4,623	4,660	4,685	4,724	0.8%
	0.9%	0.6%	0.8%	0.5%	0.8%	
JCPL	6,914	6,962	7,013	7,061	7,131	0.9%
	0.9%	0.7%	0.7%	0.7%	1.0%	
METED	3,355	3,380	3,412	3,442	3,484	1.1%
	1.4%	0.7%	0.9%	0.9%	1.2%	
PECO	9,503	9,558	9,626	9,691	9,768	0.8%
	0.7%	0.6%	0.7%	0.7%	0.8%	
PENLC	3,307	3,333	3,363	3,384	3,417	1.1%
	0.9%	0.8%	0.9%	0.6%	1.0%	
PEPCO	7,065	7,083	7,101	7,127	7,170	0.5%
	0.6%	0.3%	0.3%	0.4%	0.6%	
PL	7,814	7,859	7,912	7,950	8,015	0.8%
	0.7%	0.6%	0.7%	0.5%	0.8%	
PS	10,972	11,018	11,073	11,107	11,177	0.5%
	0.6%	0.4%	0.5%	0.3%	0.6%	
RECO	443	444	445	444	447	0.4%
	0.5%	0.2%	0.2%	-0.2%	0.7%	
UGI	214	215	216	217	219	0.7%
	0.9%	0.5%	0.5%	0.5%	0.9%	
DIVERSITY - MID-ATLANTIC(-)	611	542	525	540	479	
PJM MID-ATLANTIC	64,236	64,665	65,109	65,449	66,041	0.8%
	0.7%	0.7%	0.7%	0.5%	0.9%	
FE-EAST	13,351	13,475	13,586	13,690	13,837	1.0%
	0.9%	0.9%	0.8%	0.8%	1.1%	
PLGRP	7,997	8,049	8,097	8,144	8,212	0.8%
	0.7%	0.7%	0.6%	0.6%	0.8%	

Notes:
Normal 2014 and all forecast values are non-coincident as estimated by PJM staff.
Normal 2014 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
2015 - 2025

	METERED 2014	UNRESTRICTED 2014	NORMAL 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AEP	21,411	21,411	23,640	23,511	23,812	24,030	24,156	24,315	24,507	24,671	24,854	25,032	25,155	25,343	0.8%
				-0.5%	1.3%	0.9%	0.5%	0.7%	0.8%	0.7%	0.7%	0.7%	0.5%	0.7%	
APS	8,085	8,085	8,670	8,734	8,872	8,982	9,059	9,143	9,255	9,339	9,436	9,531	9,603	9,701	1.1%
				0.7%	1.6%	1.2%	0.9%	0.9%	1.2%	0.9%	1.0%	1.0%	0.8%	1.0%	
ATSI	12,162	12,300	13,250	13,256	13,369	13,443	13,458	13,499	13,581	13,636	13,691	13,748	13,764	13,835	0.4%
				0.0%	0.9%	0.6%	0.1%	0.3%	0.6%	0.4%	0.4%	0.4%	0.1%	0.5%	
COMED	19,722	19,723	22,850	22,914	23,352	23,680	23,949	24,228	24,582	24,793	25,101	25,378	25,647	25,953	1.3%
				0.3%	1.9%	1.4%	1.1%	1.2%	1.5%	0.9%	1.2%	1.1%	1.1%	1.2%	
DAYTON	3,192	3,224	3,440	3,497	3,575	3,633	3,673	3,707	3,749	3,787	3,833	3,875	3,919	3,966	1.3%
				1.7%	2.2%	1.6%	1.1%	0.9%	1.1%	1.0%	1.2%	1.1%	1.1%	1.2%	
DEOK	5,039	5,039	5,530	5,511	5,576	5,636	5,673	5,719	5,777	5,816	5,864	5,910	5,955	6,015	0.9%
				-0.3%	1.2%	1.1%	0.7%	0.8%	1.0%	0.7%	0.8%	0.8%	0.8%	1.0%	
DLCO	2,693	2,693	2,940	2,969	3,005	3,026	3,042	3,056	3,084	3,097	3,114	3,130	3,142	3,161	0.6%
				1.0%	1.2%	0.7%	0.5%	0.5%	0.9%	0.4%	0.5%	0.5%	0.4%	0.6%	
EKPC	1,896	1,896	1,940	1,983	2,010	2,032	2,048	2,062	2,082	2,099	2,117	2,135	2,152	2,170	0.9%
				2.2%	1.4%	1.1%	0.8%	0.7%	1.0%	0.8%	0.9%	0.9%	0.8%	0.8%	
DIVERSITY - WESTERN(-)				1,682	1,737	1,735	1,809	1,822	1,812	1,773	1,849	1,971	1,950	1,997	
PJM WESTERN	73,519	73,520	80,430	80,693	81,834	82,727	83,249	83,907	84,805	85,465	86,161	86,768	87,387	88,147	0.9%
				0.3%	1.4%	1.1%	0.6%	0.8%	1.1%	0.8%	0.8%	0.7%	0.7%	0.9%	
DOM	18,691	18,761	19,760	19,999	20,551	20,980	21,322	21,666	22,068	22,367	22,734	23,105	23,361	23,676	1.7%
				1.2%	2.8%	2.1%	1.6%	1.6%	1.9%	1.4%	1.6%	1.6%	1.1%	1.3%	
DIVERSITY - INTERREGIONAL(-)				4,049	4,184	4,214	4,180	4,160	4,069	4,126	4,520	4,423	4,446	4,062	
PJM RTO	141,395	141,402	156,140	155,544	157,912	159,808	161,128	162,618	164,443	165,764	166,902	168,399	169,706	171,580	1.0%
				-0.4%	1.5%	1.2%	0.8%	0.9%	1.1%	0.8%	0.7%	0.9%	0.8%	1.1%	

Notes:
Normal 2014 and all forecast values are non-coincident as estimated by PJM staff.
Normal 2014 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
2026 - 2030

	2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AEP	25,539	25,731	25,924	26,101	26,296	0.7%
	0.8%	0.8%	0.8%	0.7%	0.7%	
APS	9,800	9,883	9,977	10,059	10,159	1.0%
	1.0%	0.8%	1.0%	0.8%	1.0%	
ATSI	13,914	13,973	14,028	14,052	14,114	0.4%
	0.6%	0.4%	0.4%	0.2%	0.4%	
COMED	26,276	26,513	26,782	27,030	27,322	1.2%
	1.2%	0.9%	1.0%	0.9%	1.1%	
DAYTON	4,011	4,054	4,097	4,144	4,199	1.2%
	1.1%	1.1%	1.1%	1.1%	1.3%	
DEOK	6,068	6,107	6,149	6,186	6,250	0.8%
	0.9%	0.6%	0.7%	0.6%	1.0%	
DLCO	3,187	3,201	3,216	3,234	3,253	0.6%
	0.8%	0.4%	0.5%	0.6%	0.6%	
EKPC	2,191	2,206	2,225	2,242	2,262	0.9%
	1.0%	0.7%	0.9%	0.8%	0.9%	
DIVERSITY - WESTERN(-)	1,963	1,931	2,076	2,042	2,039	
PJM WESTERN	89,023	89,737	90,322	91,006	91,816	0.9%
	1.0%	0.8%	0.7%	0.8%	0.9%	
DOM	23,945	24,147	24,412	24,661	24,928	1.5%
	1.1%	0.8%	1.1%	1.0%	1.1%	
DIVERSITY - INTERREGIONAL(-)	4,306	4,316	4,660	4,569	4,733	
PJM RTO	172,898	174,233	175,183	176,547	178,052	0.9%
	0.8%	0.8%	0.5%	0.8%	0.9%	

Notes:
Normal 2014 and all forecast values are non-coincident as estimated by PJM staff.
Normal 2014 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 2014/15 - 2024/25

	METERED 13/14	*UNRESTRICTED* 13/14	*NORMAL* 13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	Annual Growth Rate (10 yr)
AE	1,802	1,807	1,730	1,671	1,690	1,711	1,718	1,728	1,723	1,731	1,741	1,751	1,755	1,755	0.5%
				-3.4%	1.1%	1.2%	0.4%	0.6%	-0.3%	0.5%	0.6%	0.6%	0.2%	0.0%	
BGE	6,527	6,612	5,920	5,792	5,845	5,901	5,928	5,955	5,975	6,005	6,038	6,077	6,107	6,127	0.6%
				-2.2%	0.9%	1.0%	0.5%	0.5%	0.3%	0.5%	0.5%	0.6%	0.5%	0.3%	
DPL	3,839	3,839	3,400	3,377	3,424	3,472	3,505	3,527	3,544	3,569	3,597	3,625	3,653	3,668	0.8%
				-0.7%	1.4%	1.4%	1.0%	0.6%	0.5%	0.7%	0.8%	0.8%	0.8%	0.4%	
JCPL	4,079	4,091	3,890	3,807	3,872	3,938	3,969	3,993	4,006	4,046	4,086	4,124	4,150	4,157	0.9%
				-2.1%	1.7%	1.7%	0.8%	0.6%	0.3%	1.0%	1.0%	0.9%	0.6%	0.2%	
METED	2,804	2,827	2,610	2,577	2,625	2,674	2,707	2,735	2,756	2,784	2,815	2,851	2,880	2,903	1.2%
				-1.3%	1.9%	1.9%	1.2%	1.0%	0.8%	1.0%	1.1%	1.3%	1.0%	0.8%	
PECO	7,167	7,224	6,650	6,552	6,658	6,770	6,843	6,899	6,939	7,006	7,066	7,127	7,182	7,217	1.0%
				-1.5%	1.6%	1.7%	1.1%	0.8%	0.6%	1.0%	0.9%	0.9%	0.8%	0.5%	
PENLC	3,052	3,110	2,870	2,875	2,944	3,015	3,057	3,092	3,113	3,145	3,183	3,225	3,257	3,280	1.3%
				0.2%	2.4%	2.4%	1.4%	1.1%	0.7%	1.0%	1.2%	1.3%	1.0%	0.7%	
PEPCO	5,845	5,851	5,450	5,300	5,367	5,440	5,488	5,530	5,561	5,599	5,646	5,691	5,735	5,764	0.8%
				-2.8%	1.3%	1.4%	0.9%	0.8%	0.6%	0.7%	0.8%	0.8%	0.8%	0.5%	
PL	7,819	7,913	7,290	7,220	7,314	7,408	7,467	7,511	7,544	7,597	7,651	7,709	7,761	7,792	0.8%
				-1.0%	1.3%	1.3%	0.8%	0.6%	0.4%	0.7%	0.7%	0.8%	0.7%	0.4%	
PS	7,067	7,097	6,810	6,565	6,650	6,739	6,780	6,811	6,811	6,865	6,915	6,960	6,995	6,992	0.6%
				-3.6%	1.3%	1.3%	0.6%	0.5%	0.0%	0.8%	0.7%	0.7%	0.5%	-0.0%	
RECO	246	247	230	232	234	236	236	236	234	236	237	238	239	236	0.2%
				0.9%	0.9%	0.9%	0.0%	0.0%	-0.8%	0.9%	0.4%	0.4%	0.4%	-1.3%	
UGI	224	224	200	200	202	205	205	206	207	208	210	211	212	213	0.6%
				0.0%	1.0%	1.5%	0.0%	0.5%	0.5%	0.5%	1.0%	0.5%	0.5%	0.5%	
DIVERSITY - MID-ATLANTIC(-)				699	652	679	698	664	594	661	625	649	719	602	
PJM MID-ATLANTIC	49,920	50,338	46,400	45,469	46,173	46,830	47,205	47,559	47,819	48,130	48,560	48,940	49,207	49,502	0.9%
				-2.0%	1.5%	1.4%	0.8%	0.7%	0.5%	0.7%	0.9%	0.8%	0.5%	0.6%	
FE-EAST	9,934	10,028	9,310	9,189	9,386	9,566	9,673	9,763	9,816	9,920	10,039	10,141	10,221	10,282	1.1%
				-1.3%	2.1%	1.9%	1.1%	0.9%	0.5%	1.1%	1.2%	1.0%	0.8%	0.6%	
PLGRP	8,039	8,133	7,480	7,403	7,508	7,594	7,658	7,702	7,742	7,794	7,851	7,904	7,956	7,996	0.8%
				-1.0%	1.4%	1.1%	0.8%	0.6%	0.5%	0.7%	0.7%	0.7%	0.7%	0.5%	

Notes:
Normal 13/14 and all forecast values are non-coincident as estimated by PJM staff.
Normal 13/14 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
2025/26 - 2029/30

	25/26	26/27	27/28	28/29	29/30	Annual Growth Rate (15 yr)
AE	1,765	1,771	1,783	1,780	1,800	0.5%
	0.6%	0.3%	0.7%	-0.2%	1.1%	
BGE	6,159	6,189	6,226	6,259	6,296	0.6%
	0.5%	0.5%	0.6%	0.5%	0.6%	
DPL	3,695	3,718	3,746	3,771	3,800	0.8%
	0.7%	0.6%	0.8%	0.7%	0.8%	
JCPL	4,196	4,228	4,270	4,283	4,329	0.9%
	0.9%	0.8%	1.0%	0.3%	1.1%	
METED	2,934	2,962	2,996	3,024	3,060	1.2%
	1.1%	1.0%	1.1%	0.9%	1.2%	
PECO	7,279	7,333	7,395	7,441	7,506	0.9%
	0.9%	0.7%	0.8%	0.6%	0.9%	
PENLC	3,314	3,343	3,378	3,405	3,444	1.2%
	1.0%	0.9%	1.0%	0.8%	1.1%	
PEPCO	5,801	5,834	5,878	5,916	5,961	0.8%
	0.6%	0.6%	0.8%	0.6%	0.8%	
PL	7,849	7,894	7,947	7,991	8,047	0.7%
	0.7%	0.6%	0.7%	0.6%	0.7%	
PS	7,039	7,080	7,131	7,150	7,209	0.6%
	0.7%	0.6%	0.7%	0.3%	0.8%	
RECO	237	238	240	239	240	0.2%
	0.4%	0.4%	0.8%	-0.4%	0.4%	
UGI	214	215	216	217	218	0.6%
	0.5%	0.5%	0.5%	0.5%	0.5%	
DIVERSITY - MID-ATLANTIC(-)	685	660	624	633	685	
PJM MID-ATLANTIC	49,797	50,145	50,582	50,843	51,225	0.8%
	0.6%	0.7%	0.9%	0.5%	0.8%	
FE-EAST	10,376	10,477	10,602	10,650	10,772	1.1%
	0.9%	1.0%	1.2%	0.5%	1.1%	
PLGRP	8,046	8,098	8,155	8,197	8,246	0.7%
	0.6%	0.6%	0.7%	0.5%	0.6%	

Notes:
Normal 24/25 and all forecast values are non-coincident as estimated by PJM staff.
Normal 24/25 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 2014/15 - 2024/25

	METERED 13/14	UNRESTRICTED 13/14	NORMAL 13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	Annual Growth Rate (10 yr)
AEP	24,421	24,421	22,840	22,635	22,938	23,281	23,448	23,542	23,644	23,839	24,039	24,255	24,383	24,449	0.8%
				-0.9%	1.3%	1.5%	0.7%	0.4%	0.4%	0.8%	0.8%	0.9%	0.5%	0.3%	
APS	9,350	9,351	8,630	8,688	8,837	8,981	9,089	9,181	9,261	9,362	9,462	9,568	9,667	9,745	1.2%
				0.7%	1.7%	1.6%	1.2%	1.0%	0.9%	1.1%	1.1%	1.1%	1.0%	0.8%	
ATSI	11,352	11,352	10,620	10,538	10,592	10,694	10,716	10,736	10,708	10,745	10,810	10,852	10,870	10,841	0.3%
				-0.8%	0.5%	1.0%	0.2%	0.2%	-0.3%	0.3%	0.6%	0.4%	0.2%	-0.3%	
COMED	16,515	16,519	15,890	15,663	15,941	16,279	16,472	16,626	16,724	16,930	17,141	17,360	17,527	17,617	1.2%
				-1.4%	1.8%	2.1%	1.2%	0.9%	0.6%	1.2%	1.2%	1.3%	1.0%	0.5%	
DAYTON	3,180	3,180	2,860	2,889	2,946	3,002	3,038	3,055	3,075	3,108	3,142	3,176	3,207	3,226	1.1%
				1.0%	2.0%	1.9%	1.2%	0.6%	0.7%	1.1%	1.1%	1.1%	1.0%	0.6%	
DEOK	5,105	5,105	4,410	4,354	4,393	4,441	4,472	4,493	4,507	4,535	4,567	4,598	4,628	4,642	0.6%
				-1.3%	0.9%	1.1%	0.7%	0.5%	0.3%	0.6%	0.7%	0.7%	0.7%	0.3%	
DLCO	2,367	2,372	2,190	2,174	2,201	2,225	2,238	2,247	2,245	2,258	2,270	2,284	2,294	2,292	0.5%
				-0.7%	1.2%	1.1%	0.6%	0.4%	-0.1%	0.6%	0.5%	0.6%	0.4%	-0.1%	
EKPC	3,010	3,111	2,390	2,424	2,448	2,472	2,492	2,506	2,512	2,530	2,547	2,565	2,586	2,591	0.7%
				1.4%	1.0%	1.0%	0.8%	0.6%	0.2%	0.7%	0.7%	0.7%	0.8%	0.2%	
DIVERSITY - WESTERN(-)				1,482	1,416	1,554	1,510	1,517	1,478	1,564	1,620	1,651	1,627	1,543	
PJM WESTERN	73,473	73,476	68,380	67,883	68,880	69,821	70,455	70,869	71,198	71,743	72,358	73,007	73,535	73,860	0.8%
				-0.7%	1.5%	1.4%	0.9%	0.6%	0.5%	0.8%	0.9%	0.9%	0.7%	0.4%	
DOM	19,784	19,942	17,610	17,604	18,017	18,298	18,706	19,018	19,269	19,546	19,839	20,161	20,453	20,749	1.7%
				-0.0%	2.3%	1.6%	2.2%	1.7%	1.3%	1.4%	1.5%	1.6%	1.4%	1.4%	
DIVERSITY - INTERREGIONAL(-)				1,245	1,349	1,507	1,596	1,633	1,498	1,401	1,438	1,629	1,679	1,550	
PJM RTO	140,222	141,746	130,825	129,711	131,721	133,442	134,770	135,813	136,788	138,018	139,319	140,479	141,516	142,561	0.9%
				-0.9%	1.5%	1.3%	1.0%	0.8%	0.7%	0.9%	0.9%	0.8%	0.7%	0.7%	

Notes:
Normal 13/14 and all forecast values are non-coincident as estimated by PJM staff.
Normal 13/14 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
2025/26 - 2029/30

	25/26	26/27	27/28	28/29	29/30	Annual Growth Rate (15 yr)
AEP	24,628	24,810	25,066	25,176	25,399	0.8%
	0.7%	0.7%	1.0%	0.4%	0.9%	
APS	9,847	9,934	10,041	10,137	10,248	1.1%
	1.0%	0.9%	1.1%	1.0%	1.1%	
ATSI	10,879	10,907	10,978	10,951	11,043	0.3%
	0.4%	0.3%	0.7%	-0.2%	0.8%	
COMED	17,809	17,994	18,219	18,330	18,566	1.1%
	1.1%	1.0%	1.3%	0.6%	1.3%	
DAYTON	3,262	3,291	3,330	3,356	3,394	1.1%
	1.1%	0.9%	1.2%	0.8%	1.1%	
DEOK	4,672	4,697	4,732	4,756	4,787	0.6%
	0.6%	0.5%	0.7%	0.5%	0.7%	
DLCO	2,304	2,314	2,327	2,334	2,352	0.5%
	0.5%	0.4%	0.6%	0.3%	0.8%	
EKPC	2,606	2,624	2,643	2,655	2,678	0.7%
	0.6%	0.7%	0.7%	0.5%	0.9%	
DIVERSITY - WESTERN(-)	1,605	1,615	1,782	1,638	1,736	
PJM WESTERN	74,402	74,956	75,554	76,057	76,731	0.8%
	0.7%	0.7%	0.8%	0.7%	0.9%	
DOM	20,923	21,140	21,350	21,538	21,793	1.4%
	0.8%	1.0%	1.0%	0.9%	1.2%	
DIVERSITY - INTERREGIONAL(-)	1,512	1,482	1,514	1,646	1,768	
PJM RTO	143,610	144,759	145,972	146,792	147,981	0.9%
	0.7%	0.8%	0.8%	0.6%	0.8%	

Notes:
Normal 24/25 and all forecast values are non-coincident as estimated by PJM staff.
Normal 24/25 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
2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE	1,424	1,457	1,472	1,492	1,499	1,497	1,525	1,530	1,525	1,568	1,553	1,568	1,584	1,572	1,583	1,621
BGE	4,734	4,751	4,782	4,834	4,855	4,931	5,017	4,990	4,981	5,083	5,103	5,181	5,234	5,192	5,272	5,320
DPL	2,691	2,741	2,751	2,794	2,808	2,843	2,903	2,907	2,900	2,954	2,981	3,019	3,042	3,024	3,037	3,087
JCPL	3,255	3,319	3,353	3,418	3,441	3,503	3,593	3,574	3,541	3,707	3,735	3,793	3,826	3,724	3,808	3,907
METED	2,265	2,302	2,330	2,363	2,381	2,438	2,450	2,472	2,491	2,526	2,556	2,596	2,624	2,633	2,663	2,691
PECO	5,626	5,696	5,743	5,842	5,883	6,010	6,103	6,074	6,068	6,197	6,258	6,359	6,435	6,330	6,423	6,505
PENLC	2,546	2,596	2,645	2,691	2,718	2,762	2,791	2,807	2,834	2,868	2,892	2,947	2,981	2,989	3,017	3,045
PEPCO	4,355	4,358	4,380	4,454	4,484	4,538	4,575	4,565	4,550	4,624	4,651	4,709	4,748	4,703	4,753	4,791
PL	5,792	5,847	5,905	5,981	6,015	6,088	6,128	6,138	6,159	6,258	6,282	6,365	6,406	6,396	6,448	6,516
PS	5,970	5,981	6,013	6,091	6,103	6,206	6,302	6,237	6,219	6,380	6,404	6,457	6,527	6,393	6,470	6,597
RECO	221	219	219	220	220	225	225	224	221	224	225	227	228	224	225	226
UGI	156	158	160	162	162	164	166	166	166	170	170	172	173	172	173	176
DIVERSITY - MID-ATLANTIC(-)	2,288	2,141	1,974	2,344	2,040	2,369	2,451	2,217	1,989	2,051	2,017	2,271	2,611	2,193	2,483	2,150
PJM MID-ATLANTIC	36,747	37,284	37,779	37,998	38,529	38,836	39,327	39,467	39,666	40,508	40,793	41,122	41,197	41,159	41,389	42,332
FE-EAST	7,637	7,757	7,875	7,990	8,091	8,218	8,329	8,349	8,418	8,641	8,731	8,841	8,896	8,855	8,965	9,181
PLGRP	5,725	5,794	5,855	5,936	5,988	6,017	6,051	6,087	6,117	6,234	6,267	6,297	6,325	6,351	6,409	6,496

Table B-3

SPRING (APRIL) PEAK LOAD (MW) FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AEP	18,646	18,863	19,009	19,231	19,311	19,497	19,641	19,699	19,779	19,973	20,032	20,303	20,515	20,537	20,747	20,859
APS	7,068	7,166	7,262	7,358	7,413	7,531	7,626	7,665	7,708	7,839	7,893	8,023	8,118	8,106	8,193	8,307
ATSI	9,503	9,527	9,552	9,598	9,585	9,682	9,848	9,697	9,700	9,810	9,804	9,925	10,070	9,866	9,914	9,985
COMED	13,838	14,125	14,294	14,695	14,832	15,177	15,408	15,453	15,588	16,010	16,304	16,578	16,814	16,694	17,068	17,291
DAYTON	2,437	2,494	2,546	2,587	2,606	2,649	2,688	2,707	2,729	2,777	2,806	2,859	2,898	2,906	2,951	2,992
DEOK	3,739	3,752	3,768	3,846	3,855	3,913	3,945	3,929	3,938	4,014	4,031	4,103	4,136	4,098	4,152	4,199
DLCO	2,039	2,046	2,055	2,093	2,097	2,129	2,145	2,126	2,134	2,163	2,166	2,205	2,224	2,193	2,228	2,242
EKPC	1,644	1,658	1,669	1,687	1,700	1,718	1,733	1,737	1,741	1,775	1,776	1,798	1,816	1,807	1,824	1,849
DIVERSITY - WESTERN(-)	2,818	3,356	3,271	3,462	3,310	3,068	2,877	3,631	3,616	3,567	2,880	3,156	3,291	4,071	4,179	3,888
PJM WESTERN	56,096	56,275	56,884	57,633	58,089	59,228	60,157	59,382	59,701	60,794	61,932	62,638	63,300	62,136	62,898	63,836
DOM	14,126	14,413	14,833	15,158	15,399	15,764	16,116	16,315	16,596	16,937	17,067	17,396	17,629	17,691	17,924	18,103
DIVERSITY - INTERREGIONAL(-)	1,747	1,472	1,725	1,543	1,394	1,934	1,574	1,690	1,968	1,248	2,333	2,096	1,900	2,102	2,056	1,692
PJM RTO	105,222	106,500	107,771	109,246	110,623	111,894	114,026	113,474	113,995	116,991	117,459	119,060	120,226	118,884	120,155	122,579

Table B-4

FALL (OCTOBER) PEAK LOAD (MW) FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE	1,477	1,493	1,510	1,524	1,533	1,538	1,542	1,555	1,571	1,583	1,589	1,598	1,599	1,619	1,636	1,649
BGE	4,490	4,518	4,589	4,632	4,668	4,668	4,682	4,750	4,826	4,877	4,915	4,944	4,909	5,012	5,070	5,113
DPL	2,608	2,635	2,677	2,733	2,756	2,745	2,762	2,796	2,851	2,887	2,904	2,914	2,902	2,963	2,995	3,028
JCPL	3,366	3,355	3,440	3,533	3,567	3,571	3,574	3,596	3,669	3,752	3,775	3,789	3,792	3,860	3,941	3,987
METED	2,108	2,145	2,179	2,209	2,236	2,247	2,268	2,309	2,343	2,377	2,396	2,418	2,427	2,473	2,504	2,537
PECO	5,505	5,554	5,670	5,741	5,793	5,819	5,866	5,933	6,008	6,075	6,111	6,151	6,166	6,248	6,326	6,383
PENLC	2,497	2,556	2,610	2,643	2,665	2,679	2,706	2,755	2,799	2,823	2,840	2,866	2,889	2,939	2,965	3,002
PEPCO	4,328	4,306	4,374	4,431	4,459	4,469	4,475	4,478	4,550	4,595	4,613	4,631	4,619	4,668	4,708	4,745
PL	5,524	5,630	5,697	5,759	5,788	5,769	5,801	5,916	5,984	6,043	6,047	6,063	6,062	6,187	6,255	6,297
PS	6,258	6,220	6,323	6,426	6,468	6,460	6,448	6,449	6,547	6,652	6,668	6,686	6,664	6,720	6,826	6,884
RECO	239	237	241	245	245	242	242	241	245	248	248	246	246	247	251	252
UGI	154	156	157	159	160	160	161	165	166	167	167	168	167	171	172	173
DIVERSITY - MID-ATLANTIC(-)	1,474	1,252	1,342	1,344	1,368	1,435	1,366	1,287	1,263	1,320	1,268	1,279	1,442	1,269	1,362	1,410
PJM MID-ATLANTIC	37,080	37,553	38,125	38,691	38,970	38,932	39,161	39,656	40,296	40,759	41,005	41,195	41,000	41,838	42,287	42,640
FE-EAST	7,724	7,868	8,006	8,130	8,202	8,244	8,306	8,473	8,596	8,724	8,792	8,854	8,826	9,036	9,156	9,265
PLGRP	5,647	5,767	5,834	5,905	5,923	5,911	5,947	6,056	6,116	6,176	6,182	6,200	6,206	6,332	6,403	6,435

Table B-4

FALL (OCTOBER) PEAK LOAD (MW) FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AEP	17,677	17,881	18,144	18,274	18,306	18,329	18,446	18,658	18,863	18,953	19,078	19,131	19,235	19,566	19,752	19,822
APS	6,677	6,784	6,871	6,955	7,033	7,077	7,138	7,263	7,373	7,475	7,495	7,560	7,582	7,750	7,872	7,952
ATSI	8,992	9,033	9,082	9,120	9,150	9,138	9,150	9,251	9,317	9,367	9,375	9,390	9,321	9,462	9,508	9,557
COMED	13,815	14,056	14,365	14,706	14,892	15,006	15,184	15,413	15,700	16,078	16,272	16,478	16,480	16,764	17,095	17,343
DAYTON	2,393	2,440	2,491	2,531	2,559	2,574	2,596	2,643	2,694	2,736	2,764	2,793	2,800	2,866	2,910	2,950
DEOK	3,654	3,687	3,748	3,780	3,806	3,808	3,831	3,875	3,930	3,965	3,988	4,003	4,017	4,078	4,114	4,150
DLCO	1,927	1,941	1,962	1,979	1,993	1,995	2,000	2,016	2,038	2,061	2,067	2,070	2,068	2,092	2,116	2,135
EKPC	1,608	1,622	1,638	1,653	1,682	1,681	1,682	1,711	1,725	1,760	1,775	1,776	1,768	1,797	1,813	1,841
DIVERSITY - WESTERN(-)	1,841	1,790	1,757	1,867	1,852	1,988	2,010	1,955	2,094	2,130	2,190	2,319	2,255	2,316	2,393	2,389
PJM WESTERN	54,902	55,654	56,544	57,131	57,569	57,620	58,017	58,875	59,546	60,265	60,624	60,882	61,016	62,059	62,787	63,361
DOM	13,853	14,268	14,664	14,992	15,254	15,448	15,703	16,048	16,414	16,629	16,806	16,959	17,103	17,380	17,677	17,847
DIVERSITY - INTERREGIONAL(-)	1,903	1,805	1,827	1,829	1,880	1,964	1,960	1,867	1,969	1,919	1,919	1,935	2,129	2,133	2,106	2,067
PJM RTO	103,932	105,670	107,506	108,985	109,913	110,036	110,921	112,712	114,287	115,734	116,516	117,101	116,990	119,144	120,645	121,781

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 2015	1,671	5,792	3,377	3,807	2,577	6,552	2,875	5,300	7,220	6,565	226	200	693	45,469
Feb 2015	1,598	5,564	3,240	3,624	2,497	6,289	2,799	5,074	6,932	6,297	213	190	914	43,403
Mar 2015	1,476	5,009	2,907	3,385	2,407	5,852	2,674	4,489	6,338	5,974	209	174	1,752	39,142
Apr 2015	1,424	4,734	2,691	3,255	2,265	5,626	2,546	4,355	5,792	5,970	220	156	2,287	36,747
May 2015	1,757	5,472	3,081	4,314	2,387	6,563	2,440	5,219	5,755	7,752	318	150	2,176	43,032
Jun 2015	2,330	6,502	3,770	5,616	2,772	8,002	2,789	6,167	6,751	9,451	387	182	513	54,206
Jul 2015	2,664	7,127	4,177	6,269	2,954	8,645	2,914	6,640	7,162	10,306	424	197	578	58,901
Aug 2015	2,521	6,766	3,907	5,659	2,815	8,213	2,827	6,294	6,871	9,401	380	186	323	55,517
Sep 2015	2,097	6,053	3,428	4,853	2,508	7,201	2,662	5,685	6,276	8,470	339	171	920	48,823
Oct 2015	1,477	4,490	2,608	3,366	2,108	5,505	2,497	4,328	5,524	6,258	239	154	1,474	37,080
Nov 2015	1,445	4,627	2,714	3,353	2,240	5,726	2,632	4,277	6,034	5,975	212	172	480	38,927
Dec 2015	1,681	5,511	3,225	3,860	2,537	6,483	2,870	5,037	6,944	6,586	237	199	554	44,616

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2016	1,690	5,845	3,424	3,872	2,625	6,658	2,944	5,367	7,314	6,650	227	202	645	46,173
Feb 2016	1,623	5,638	3,290	3,691	2,551	6,404	2,869	5,145	7,049	6,390	214	193	758	44,299
Mar 2016	1,523	5,045	2,987	3,487	2,461	5,956	2,739	4,565	6,430	6,055	209	177	1,614	40,020
Apr 2016	1,457	4,751	2,741	3,319	2,302	5,696	2,596	4,358	5,847	5,981	220	158	2,142	37,284
May 2016	1,807	5,559	3,151	4,415	2,445	6,680	2,511	5,279	5,858	7,860	321	153	2,020	44,019
Jun 2016	2,371	6,609	3,848	5,757	2,840	8,150	2,863	6,269	6,870	9,685	396	185	724	55,119
Jul 2016	2,702	7,212	4,240	6,362	3,007	8,768	2,978	6,694	7,262	10,418	428	200	560	59,711
Aug 2016	2,568	6,882	4,008	5,795	2,888	8,382	2,903	6,410	6,997	9,638	388	190	529	56,520
Sep 2016	2,120	6,095	3,447	4,902	2,539	7,262	2,709	5,703	6,319	8,489	337	172	830	49,264
Oct 2016	1,493	4,518	2,635	3,355	2,145	5,554	2,556	4,306	5,630	6,220	237	156	1,252	37,553
Nov 2016	1,462	4,676	2,758	3,418	2,282	5,809	2,699	4,322	6,167	6,038	213	173	433	39,584
Dec 2016	1,708	5,569	3,277	3,938	2,595	6,590	2,963	5,107	7,051	6,700	238	202	651	45,287

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2017	1,711	5,901	3,472	3,928	2,674	6,770	3,015	5,440	7,408	6,739	228	205	661	46,830
Feb 2017	1,639	5,680	3,332	3,744	2,599	6,499	2,937	5,213	7,136	6,466	215	195	751	44,904
Mar 2017	1,537	5,077	3,007	3,529	2,491	6,009	2,796	4,608	6,496	6,096	209	178	1,481	40,552
Apr 2017	1,472	4,782	2,751	3,353	2,330	5,743	2,645	4,380	5,905	6,013	219	160	1,974	37,779
May 2017	1,833	5,624	3,194	4,492	2,500	6,795	2,569	5,340	5,952	7,952	323	155	1,991	44,738
Jun 2017	2,400	6,681	3,879	5,837	2,879	8,257	2,919	6,322	6,960	9,759	398	187	755	55,723
Jul 2017	2,727	7,287	4,287	6,435	3,048	8,877	3,026	6,728	7,337	10,495	429	202	563	60,315
Aug 2017	2,600	6,966	4,056	5,873	2,929	8,491	2,959	6,474	7,091	9,713	390	192	651	57,083
Sep 2017	2,133	6,134	3,485	4,959	2,558	7,341	2,754	5,739	6,381	8,533	337	173	832	49,695
Oct 2017	1,510	4,589	2,677	3,440	2,179	5,670	2,610	4,374	5,697	6,323	241	157	1,342	38,125
Nov 2017	1,475	4,709	2,791	3,463	2,315	5,887	2,754	4,358	6,240	6,080	214	175	426	40,035
Dec 2017	1,715	5,578	3,303	3,969	2,621	6,642	2,997	5,131	7,102	6,726	236	202	642	45,580

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 2015	22,635	8,688	10,538	15,620	2,889	4,354	2,174	2,424	1,439	67,883	17,604	1,245	129,711
Feb 2015	21,850	8,376	10,298	15,105	2,794	4,182	2,103	2,312	1,276	65,744	16,823	1,354	124,616
Mar 2015	20,229	7,647	9,883	13,985	2,557	3,797	2,010	1,925	1,569	60,464	15,092	1,070	113,628
Apr 2015	18,646	7,068	9,503	13,838	2,437	3,739	2,039	1,644	2,818	56,096	14,126	1,747	105,222
May 2015	19,153	6,922	10,110	16,407	2,724	4,350	2,323	1,568	2,405	61,152	15,958	3,543	116,599
Jun 2015	22,394	8,296	12,670	20,990	3,267	5,220	2,806	1,876	2,046	75,473	18,589	3,240	145,028
Jul 2015	23,511	8,734	13,256	22,914	3,497	5,511	2,969	1,983	1,682	80,693	19,999	4,049	155,544
Aug 2015	22,915	8,366	12,650	21,842	3,372	5,357	2,831	1,953	1,405	77,881	19,207	4,476	148,129
Sep 2015	20,920	7,725	11,314	18,977	3,077	4,922	2,594	1,824	2,071	69,282	17,237	3,503	131,839
Oct 2015	17,677	6,677	8,992	13,815	2,393	3,654	1,927	1,608	1,841	54,902	13,853	1,903	103,932
Nov 2015	19,057	7,249	9,450	14,037	2,503	3,724	1,967	1,866	1,056	58,797	14,184	742	111,166
Dec 2015	21,802	8,395	10,518	15,941	2,830	4,253	2,182	2,266	1,186	67,001	16,796	1,387	127,026

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	DIVERSITY	WESTERN	DOM	DIVERSITY	PJM RTO
Jan 2016	22,938	8,837	10,592	15,895	2,946	4,393	2,201	2,448	1,370	68,880	18,017	1,349	131,721
Feb 2016	22,173	8,527	10,359	15,411	2,854	4,221	2,130	2,344	1,128	66,891	17,288	1,648	126,830
Mar 2016	20,482	7,787	9,946	14,338	2,621	3,841	2,029	1,940	2,228	60,756	15,418	639	115,555
Apr 2016	18,863	7,166	9,527	14,125	2,494	3,752	2,046	1,658	3,356	56,275	14,413	1,472	106,500
May 2016	19,545	7,130	10,231	16,979	2,819	4,423	2,364	1,591	2,552	62,530	16,375	3,129	119,795
Jun 2016	22,884	8,472	12,822	21,533	3,374	5,312	2,855	1,909	2,289	76,872	19,272	3,519	147,744
Jul 2016	23,812	8,872	13,369	23,352	3,575	5,576	3,005	2,010	1,737	81,834	20,551	4,184	157,912
Aug 2016	23,395	8,577	12,897	22,427	3,477	5,460	2,885	1,992	1,771	79,339	19,910	4,749	151,020
Sep 2016	21,027	7,787	11,278	19,223	3,123	4,934	2,607	1,828	1,678	70,129	17,687	3,442	133,638
Oct 2016	17,881	6,784	9,033	14,056	2,440	3,687	1,941	1,622	1,790	55,654	14,268	1,805	105,670
Nov 2016	19,321	7,399	9,513	14,330	2,567	3,763	1,992	1,882	945	59,822	14,637	845	113,198
Dec 2016	22,207	8,563	10,694	16,279	2,905	4,312	2,218	2,287	1,353	68,112	17,297	1,708	128,988

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	DIVERSITY	WESTERN	DOM	DIVERSITY	PJM RTO
Jan 2017	23,281	8,981	10,689	16,133	3,002	4,441	2,225	2,472	1,403	69,821	18,298	1,507	133,442
Feb 2017	22,508	8,655	10,443	15,631	2,908	4,268	2,152	2,360	1,287	67,638	17,581	1,885	128,238
Mar 2017	20,708	7,906	9,961	14,560	2,674	3,877	2,045	1,955	2,239	61,447	15,836	963	116,872
Apr 2017	19,009	7,262	9,552	14,294	2,546	3,768	2,055	1,669	3,271	56,884	14,833	1,725	107,771
May 2017	19,820	7,257	10,304	17,334	2,887	4,490	2,392	1,613	2,749	63,348	16,863	3,275	121,674
Jun 2017	23,119	8,580	12,909	21,997	3,434	5,368	2,883	1,928	2,361	77,857	19,710	3,712	149,578
Jul 2017	24,030	8,982	13,443	23,680	3,633	5,636	3,026	2,032	1,735	82,727	20,980	4,214	159,808
Aug 2017	23,618	8,692	13,020	22,915	3,539	5,524	2,917	2,014	1,972	80,267	20,367	4,917	152,800
Sep 2017	21,203	7,843	11,255	19,540	3,170	4,982	2,625	1,845	1,878	70,585	17,921	3,890	134,311
Oct 2017	18,144	6,871	9,082	14,365	2,491	3,748	1,962	1,638	1,757	56,544	14,664	1,827	107,506
Nov 2017	19,587	7,486	9,554	14,565	2,611	3,795	2,008	1,899	945	60,560	14,949	914	114,630
Dec 2017	22,283	8,641	10,704	16,472	2,934	4,332	2,229	2,297	1,443	68,449	17,574	1,800	129,803

Table B-6

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

	FE_EAST	PLGRP
Jan 2015	9,189	7,403
Feb 2015	8,807	7,106
Mar 2015	8,147	6,338
Apr 2015	7,637	5,725
May 2015	8,730	5,761
Jun 2015	10,952	6,920
Jul 2015	11,929	7,330
Aug 2015	11,152	7,056
Sep 2015	9,793	6,431
Oct 2015	7,724	5,647
Nov 2015	8,132	6,188
Dec 2015	9,226	7,127

	FE_EAST	PLGRP
Jan 2016	9,386	7,508
Feb 2016	9,040	7,239
Mar 2016	8,344	6,447
Apr 2016	7,757	5,794
May 2016	8,971	5,868
Jun 2016	11,233	7,040
Jul 2016	12,168	7,432
Aug 2016	11,456	7,187
Sep 2016	9,941	6,491
Oct 2016	7,868	5,767
Nov 2016	8,319	6,340
Dec 2016	9,427	7,218

	FE_EAST	PLGRP
Jan 2017	9,566	7,594
Feb 2017	9,203	7,314
Mar 2017	8,463	6,517
Apr 2017	7,875	5,855
May 2017	9,125	5,954
Jun 2017	11,369	7,121
Jul 2017	12,307	7,509
Aug 2017	11,556	7,280
Sep 2017	10,052	6,554
Oct 2017	8,006	5,834
Nov 2017	8,441	6,415
Dec 2017	9,523	7,276

Table B-7

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE																
LIMITED	76	105	26	26	26	26	26	26	26	26	26	26	26	26	26	26
EXTENDED SUMMER	123	62	83	83	83	83	83	83	83	83	83	83	83	83	83	83
ANNUAL	0	1	20	20	20	20	20	20	20	20	20	20	20	20	20	20
TOTAL LOAD MANAGEMENT	199	168	129	129	129	129	129	129	129	129	129	129	129	129	129	129
BGE																
LIMITED	771	848	64	64	64	64	64	64	64	64	64	64	64	64	64	64
EXTENDED SUMMER	333	53	666	666	666	666	666	666	666	666	666	666	666	666	666	666
ANNUAL	2	1	33	33	33	33	33	33	33	33	33	33	33	33	33	33
TOTAL LOAD MANAGEMENT	1,106	902	763	763	763	763	763	763	763	763	763	763	763	763	763	763
DPL																
LIMITED	285	203	54	54	54	54	54	54	54	54	54	54	54	54	54	54
EXTENDED SUMMER	160	222	293	293	293	293	293	293	293	293	293	293	293	293	293	293
ANNUAL	4	0	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TOTAL LOAD MANAGEMENT	449	425	359	359	359	359	359	359	359	359	359	359	359	359	359	359
JCPL																
LIMITED	178	190	39	39	39	39	39	39	39	39	39	39	39	39	39	39
EXTENDED SUMMER	166	24	77	77	77	77	77	77	77	77	77	77	77	77	77	77
ANNUAL	0	0	37	37	37	37	37	37	37	37	37	37	37	37	37	37
TOTAL LOAD MANAGEMENT	344	214	153	153	153	153	153	153	153	153	153	153	153	153	153	153
METED																
LIMITED	254	264	95	95	95	95	95	95	95	95	95	95	95	95	95	95
EXTENDED SUMMER	89	28	175	175	175	175	175	175	175	175	175	175	175	175	175	175
ANNUAL	0	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18
TOTAL LOAD MANAGEMENT	343	301	288	288	288	288	288	288	288	288	288	288	288	288	288	288
PECO																
LIMITED	556	456	188	188	188	188	188	188	188	188	188	188	188	188	188	188
EXTENDED SUMMER	223	52	238	238	238	238	238	238	238	238	238	238	238	238	238	238
ANNUAL	0	2	36	36	36	36	36	36	36	36	36	36	36	36	36	36
TOTAL LOAD MANAGEMENT	779	510	462	462	462	462	462	462	462	462	462	462	462	462	462	462
PENLC																
LIMITED	204	380	91	91	91	91	91	91	91	91	91	91	91	91	91	91
EXTENDED SUMMER	310	34	168	168	168	168	168	168	168	168	168	168	168	168	168	168
ANNUAL	10	0	86	86	86	86	86	86	86	86	86	86	86	86	86	86
TOTAL LOAD MANAGEMENT	524	414	345	345	345	345	345	345	345	345	345	345	345	345	345	345

Notes:
Forecast represents the amount of Demand Resources committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans.
Winter load management is equal to Annual.

Table B-7 (Continued)

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
PEPCO																
LIMITED	476	279	87	87	87	87	87	87	87	87	87	87	87	87	87	87
EXTENDED SUMMER	361	360	454	454	454	454	454	454	454	454	454	454	454	454	454	454
ANNUAL	0	0	44	44	44	44	44	44	44	44	44	44	44	44	44	44
TOTAL LOAD MANAGEMENT	837	639	585	585	585	585	585	585	585	585	585	585	585	585	585	585
PL																
LIMITED	645	838	40	40	40	40	40	40	40	40	40	40	40	40	40	40
EXTENDED SUMMER	467	121	177	177	177	177	177	177	177	177	177	177	177	177	177	177
ANNUAL	0	1	443	443	443	443	443	443	443	443	443	443	443	443	443	443
TOTAL LOAD MANAGEMENT	1,112	960	660	660	660	660	660	660	660	660	660	660	660	660	660	660
PS																
LIMITED	391	529	172	172	172	172	172	172	172	172	172	172	172	172	172	172
EXTENDED SUMMER	358	61	149	149	149	149	149	149	149	149	149	149	149	149	149	149
ANNUAL	18	18	54	54	54	54	54	54	54	54	54	54	54	54	54	54
TOTAL LOAD MANAGEMENT	767	608	375	375	375	375	375	375	375	375	375	375	375	375	375	375
RECO																
LIMITED	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTENDED SUMMER	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
ANNUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	20	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3
UGI																
LIMITED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTENDED SUMMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANNUAL	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																
LIMITED	3,846	4,099	856	856	856	856	856	856	856	856	856	856	856	856	856	856
EXTENDED SUMMER	2,600	1,020	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483
ANNUAL	34	32	783	783	783	783	783	783	783	783	783	783	783	783	783	783
TOTAL LOAD MANAGEMENT	6,480	5,151	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122

Notes:
Forecast represents the amount of Demand Resources committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans.
Winter load management is equal to Annual.

Table B-7

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AEP																
LIMITED	1,342	1,163	738	738	738	738	738	738	738	738	738	738	738	738	738	738
EXTENDED SUMMER	291	165	926	926	926	926	926	926	926	926	926	926	926	926	926	926
ANNUAL	316	459	216	216	216	216	216	216	216	216	216	216	216	216	216	216
TOTAL LOAD MANAGEMENT	1,949	1,787	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880
APS																
LIMITED	521	571	105	105	105	105	105	105	105	105	105	105	105	105	105	105
EXTENDED SUMMER	404	105	621	621	621	621	621	621	621	621	621	621	621	621	621	621
ANNUAL	10	20	167	167	167	167	167	167	167	167	167	167	167	167	167	167
TOTAL LOAD MANAGEMENT	935	696	893	893	893	893	893	893	893	893	893	893	893	893	893	893
ATSI																
LIMITED	643	971	165	165	165	165	165	165	165	165	165	165	165	165	165	165
EXTENDED SUMMER	804	778	706	706	706	706	706	706	706	706	706	706	706	706	706	706
ANNUAL	311	8	107	107	107	107	107	107	107	107	107	107	107	107	107	107
TOTAL LOAD MANAGEMENT	1,758	1,757	978	978	978	978	978	978	978	978	978	978	978	978	978	978
COMED																
LIMITED	1,166	1,128	248	248	248	248	248	248	248	248	248	248	248	248	248	248
EXTENDED SUMMER	515	184	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124	1,124
ANNUAL	0	6	50	50	50	50	50	50	50	50	50	50	50	50	50	50
TOTAL LOAD MANAGEMENT	1,681	1,318	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422
DAYTON																
LIMITED	135	224	50	50	50	50	50	50	50	50	50	50	50	50	50	50
EXTENDED SUMMER	54	17	121	121	121	121	121	121	121	121	121	121	121	121	121	121
ANNUAL	0	0	32	32	32	32	32	32	32	32	32	32	32	32	32	32
TOTAL LOAD MANAGEMENT	189	241	203	203	203	203	203	203	203	203	203	203	203	203	203	203
DEOK																
LIMITED	217	284	124	124	124	124	124	124	124	124	124	124	124	124	124	124
EXTENDED SUMMER	64	52	84	84	84	84	84	84	84	84	84	84	84	84	84	84
ANNUAL	32	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8
TOTAL LOAD MANAGEMENT	313	336	216	216	216	216	216	216	216	216	216	216	216	216	216	216
DLCO																
LIMITED	106	129	19	19	19	19	19	19	19	19	19	19	19	19	19	19
EXTENDED SUMMER	130	13	98	98	98	98	98	98	98	98	98	98	98	98	98	98
ANNUAL	0	0	39	39	39	39	39	39	39	39	39	39	39	39	39	39
TOTAL LOAD MANAGEMENT	236	142	156	156	156	156	156	156	156	156	156	156	156	156	156	156

Notes:
Forecast represents the amount of Demand Resources committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans.
Winter load management is equal to Annual.

Table B-7 (Continued)

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
EKPC																
LIMITED	126	128	135	135	135	135	135	135	135	135	135	135	135	135	135	135
EXTENDED SUMMER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANNUAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	126	128	135	135	135	135	135	135	135	135	135	135	135	135	135	135
PJM WESTERN																
LIMITED	4,256	4,598	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584	1,584
EXTENDED SUMMER	2,262	1,314	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680	3,680
ANNUAL	669	493	619	619	619	619	619	619	619	619	619	619	619	619	619	619
TOTAL LOAD MANAGEMENT	7,187	6,405	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883
DOM																
LIMITED	1,156	934	327	327	327	327	327	327	327	327	327	327	327	327	327	327
EXTENDED SUMMER	177	217	740	740	740	740	740	740	740	740	740	740	740	740	740	740
ANNUAL	0	0	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TOTAL LOAD MANAGEMENT	1,333	1,151	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097
PJM RTO																
LIMITED	9,258	9,631	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767	2,767
EXTENDED SUMMER	5,039	2,551	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903	6,903
ANNUAL	703	525	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432
TOTAL LOAD MANAGEMENT	15,000	12,707	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102

Notes:
Forecast represents the amount of Demand Resources committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans.
Winter load management is equal to Annual.

Table B-8

PJM MID-ATLANTIC REGION ENERGY EFFICIENCY PROGRAMS
AND SUM OF ENERGY EFFICIENCY AND LOAD MANAGEMENT - SUMMER (MW)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE																
ENERGY EFFICIENCY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOAD MANAGEMENT	199	168	129	129	129	129	129	129	129	129	129	129	129	129	129	129
TOTAL	200	169	130	130	130	130	130	130	130	130	130	130	130	130	130	130
BGE																
ENERGY EFFICIENCY	74	99	113	113	113	113	113	113	113	113	113	113	113	113	113	113
LOAD MANAGEMENT	1,106	902	763	763	763	763	763	763	763	763	763	763	763	763	763	763
TOTAL	1,180	1,001	876	876	876	876	876	876	876	876	876	876	876	876	876	876
DPL																
ENERGY EFFICIENCY	13	20	27	27	27	27	27	27	27	27	27	27	27	27	27	27
LOAD MANAGEMENT	449	425	359	359	359	359	359	359	359	359	359	359	359	359	359	359
TOTAL	462	445	386	386	386	386	386	386	386	386	386	386	386	386	386	386
JCPL																
ENERGY EFFICIENCY	0	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7
LOAD MANAGEMENT	344	214	153	153	153	153	153	153	153	153	153	153	153	153	153	153
TOTAL	344	219	160	160	160	160	160	160	160	160	160	160	160	160	160	160
METED																
ENERGY EFFICIENCY	9	8	11	11	11	11	11	11	11	11	11	11	11	11	11	11
LOAD MANAGEMENT	343	301	288	288	288	288	288	288	288	288	288	288	288	288	288	288
TOTAL	352	309	299	299	299	299	299	299	299	299	299	299	299	299	299	299
PECO																
ENERGY EFFICIENCY	11	15	23	23	23	23	23	23	23	23	23	23	23	23	23	23
LOAD MANAGEMENT	779	510	462	462	462	462	462	462	462	462	462	462	462	462	462	462
TOTAL	790	525	485	485	485	485	485	485	485	485	485	485	485	485	485	485
PENLC																
ENERGY EFFICIENCY	8	8	12	12	12	12	12	12	12	12	12	12	12	12	12	12
LOAD MANAGEMENT	524	414	345	345	345	345	345	345	345	345	345	345	345	345	345	345
TOTAL	532	422	357	357	357	357	357	357	357	357	357	357	357	357	357	357

Notes:
Energy Efficiency values represent the amount committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans, statistically adjusted for the number of years the resource has been installed.
Load Management details appear in Table B-7.

Table B-8 (Continued)

PJM MID-ATLANTIC REGION ENERGY EFFICIENCY PROGRAMS
AND SUM OF ENERGY EFFICIENCY AND LOAD MANAGEMENT - SUMMER (MW)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
PEPCO																
ENERGY EFFICIENCY	45	71	95	95	95	95	95	95	95	95	95	95	95	95	95	95
LOAD MANAGEMENT	837	639	585	585	585	585	585	585	585	585	585	585	585	585	585	585
TOTAL	882	710	680	680	680	680	680	680	680	680	680	680	680	680	680	680
PL																
ENERGY EFFICIENCY	10	31	33	33	33	33	33	33	33	33	33	33	33	33	33	33
LOAD MANAGEMENT	1,112	960	660	660	660	660	660	660	660	660	660	660	660	660	660	660
TOTAL	1,122	991	693	693	693	693	693	693	693	693	693	693	693	693	693	693
PS																
ENERGY EFFICIENCY	10	18	16	16	16	16	16	16	16	16	16	16	16	16	16	16
LOAD MANAGEMENT	767	608	375	375	375	375	375	375	375	375	375	375	375	375	375	375
TOTAL	777	626	391	391	391	391	391	391	391	391	391	391	391	391	391	391
RECO																
ENERGY EFFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOAD MANAGEMENT	20	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3
TOTAL	20	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3
UGI																
ENERGY EFFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOAD MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PJM MID-ATLANTIC																
ENERGY EFFICIENCY	181	276	338	338	338	338	338	338	338	338	338	338	338	338	338	338
LOAD MANAGEMENT	6,480	5,151	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122	4,122
TOTAL	6,661	5,427	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460	4,460

Notes:
Energy Efficiency values represent the amount committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans, statistically adjusted for the number of years the resource has been installed.
Load Management details appear in Table B-7.

Table B-8

PJM WESTERN REGION AND PJM SOUTHERN REGION ENERGY EFFICIENCY PROGRAMS
AND SUM OF ENERGY EFFICIENCY AND LOAD MANAGEMENT - SUMMER (MW)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AEP																
ENERGY EFFICIENCY	167	99	126	126	126	126	126	126	126	126	126	126	126	126	126	126
LOAD MANAGEMENT	1,949	1,787	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880	1,880
TOTAL	2,116	1,886	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006	2,006
APS																
ENERGY EFFICIENCY	20	13	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LOAD MANAGEMENT	935	696	893	893	893	893	893	893	893	893	893	893	893	893	893	893
TOTAL	955	709	902	902	902	902	902	902	902	902	902	902	902	902	902	902
ATSI																
ENERGY EFFICIENCY	56	175	131	131	131	131	131	131	131	131	131	131	131	131	131	131
LOAD MANAGEMENT	1,758	1,757	978	978	978	978	978	978	978	978	978	978	978	978	978	978
TOTAL	1,814	1,932	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109	1,109
COMED																
ENERGY EFFICIENCY	325	370	538	538	538	538	538	538	538	538	538	538	538	538	538	538
LOAD MANAGEMENT	1,681	1,318	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422	1,422
TOTAL	2,006	1,688	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960	1,960
DAYTON																
ENERGY EFFICIENCY	2	9	45	45	45	45	45	45	45	45	45	45	45	45	45	45
LOAD MANAGEMENT	189	241	203	203	203	203	203	203	203	203	203	203	203	203	203	203
TOTAL	191	250	248	248	248	248	248	248	248	248	248	248	248	248	248	248
DEOK																
ENERGY EFFICIENCY	3	4	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LOAD MANAGEMENT	313	336	216	216	216	216	216	216	216	216	216	216	216	216	216	216
TOTAL	316	340	233	233	233	233	233	233	233	233	233	233	233	233	233	233
DLCO																
ENERGY EFFICIENCY	4	4	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LOAD MANAGEMENT	236	142	156	156	156	156	156	156	156	156	156	156	156	156	156	156
TOTAL	240	146	166	166	166	166	166	166	166	166	166	166	166	166	166	166
EKPC																
ENERGY EFFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOAD MANAGEMENT	126	128	135	135	135	135	135	135	135	135	135	135	135	135	135	135
TOTAL	126	128	135	135	135	135	135	135	135	135	135	135	135	135	135	135

Notes:
Energy Efficiency values represent the amount committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans, statistically adjusted for the number of years the resource has been installed.
Load Management details appear in Table B-7.

Table B-8 (Continued)

PJM WESTERN REGION AND PJM SOUTHERN REGION ENERGY EFFICIENCY PROGRAMS
AND SUM OF ENERGY EFFICIENCY AND LOAD MANAGEMENT - SUMMER (MW)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
PJM WESTERN																
ENERGY EFFICIENCY	577	674	876	876	876	876	876	876	876	876	876	876	876	876	876	876
LOAD MANAGEMENT	7,187	6,405	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883	5,883
TOTAL	7,764	7,079	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759	6,759
DOM																
ENERGY EFFICIENCY	5	26	19	19	19	19	19	19	19	19	19	19	19	19	19	19
LOAD MANAGEMENT	1,333	1,151	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097
TOTAL	1,338	1,177	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116	1,116
PJM RTO																
ENERGY EFFICIENCY	763	976	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233	1,233
LOAD MANAGEMENT	15,000	12,707	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102
TOTAL	15,763	13,683	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335	12,335

Notes:
Energy Efficiency values represent the amount committed to the PJM Reliability Pricing Model via RPM Auctions (including incremental auctions) and FRR Capacity Plans, statistically adjusted for the number of years the resource has been installed.
Load Management details appear in Table B-7.

Table B-9

ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR EACH PJM ZONE AND RTO 2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	150	220	290	370	450	540	640	730	730	730	730	730	730	730	730
PJM RTO	0	150	220	290	370	450	540	640	730	730	730	730	730	730	730	730

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
2015 - 2030

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE	2,555	2,596	2,620	2,634	2,642	2,658	2,670	2,681	2,695	2,706	2,727	2,738	2,753	2,761	2,778	2,794
BGE	6,858	6,941	7,019	7,062	7,123	7,200	7,254	7,291	7,358	7,413	7,491	7,548	7,607	7,652	7,712	7,778
DPL	4,024	4,084	4,130	4,164	4,198	4,237	4,266	4,292	4,327	4,359	4,402	4,434	4,465	4,490	4,519	4,555
JCPL	6,025	6,117	6,189	6,236	6,289	6,349	6,396	6,441	6,492	6,540	6,607	6,655	6,705	6,745	6,800	6,862
METED	2,833	2,885	2,925	2,958	2,991	3,028	3,055	3,084	3,117	3,152	3,191	3,228	3,256	3,282	3,315	3,353
PECO	8,318	8,438	8,541	8,622	8,690	8,769	8,830	8,881	8,952	9,014	9,101	9,159	9,222	9,271	9,343	9,410
PENLC	2,785	2,846	2,893	2,923	2,956	2,991	3,020	3,047	3,079	3,108	3,147	3,173	3,202	3,223	3,249	3,280
PEPCO	6,398	6,434	6,469	6,500	6,541	6,614	6,640	6,649	6,675	6,708	6,781	6,809	6,836	6,836	6,862	6,901
PL	6,884	6,981	7,054	7,092	7,153	7,215	7,263	7,305	7,361	7,407	7,478	7,521	7,573	7,610	7,655	7,709
PS	9,926	10,037	10,114	10,146	10,207	10,275	10,323	10,360	10,414	10,456	10,533	10,578	10,629	10,664	10,714	10,776
RECO	406	409	410	411	412	416	418	418	419	420	423	425	426	426	425	428
UGI	189	192	194	195	197	198	199	200	202	203	204	206	207	208	209	210
AEP	22,566	22,849	23,072	23,224	23,371	23,563	23,719	23,843	24,003	24,151	24,363	24,522	24,715	24,839	25,036	25,214
APS	8,397	8,524	8,631	8,713	8,795	8,902	8,984	9,056	9,149	9,227	9,336	9,420	9,505	9,577	9,667	9,756
ATSI	12,742	12,828	12,911	12,924	12,963	13,072	13,118	13,138	13,192	13,212	13,321	13,370	13,437	13,453	13,498	13,551
COMED	21,986	22,379	22,705	22,959	23,254	23,572	23,812	24,030	24,307	24,578	24,918	25,194	25,445	25,626	25,862	26,156
DAYTON	3,339	3,412	3,467	3,506	3,543	3,586	3,624	3,657	3,698	3,745	3,797	3,837	3,879	3,911	3,959	4,011
DEOK	5,281	5,342	5,400	5,425	5,478	5,536	5,574	5,605	5,646	5,692	5,766	5,810	5,850	5,872	5,917	5,977
DLCO	2,840	2,878	2,894	2,908	2,926	2,956	2,971	2,982	2,991	3,005	3,029	3,055	3,072	3,073	3,093	3,112
EKPC	1,908	1,933	1,955	1,970	1,989	2,011	2,027	2,039	2,057	2,074	2,096	2,114	2,131	2,143	2,163	2,181
DOM	19,283	19,804	20,212	20,557	20,900	21,295	21,601	21,902	22,267	22,535	22,868	23,102	23,321	23,523	23,772	24,038
PJM RTO	155,543	157,909	159,805	161,129	162,618	164,443	165,764	166,901	168,401	169,705	171,579	172,898	174,236	175,185	176,548	178,052
PJM MID-ATLANTIC	57,201	57,960	58,558	58,943	59,399	59,950	60,334	60,649	61,091	61,486	62,085	62,474	62,881	63,168	63,581	64,056
EASTERN MID-ATLANTIC	31,254	31,681	32,004	32,213	32,438	32,704	32,903	33,073	33,299	33,495	33,793	33,989	34,200	34,357	34,579	34,825
SOUTHERN MID-ATLANTIC	13,256	13,375	13,488	13,562	13,664	13,814	13,894	13,940	14,033	14,121	14,272	14,357	14,443	14,488	14,574	14,679
MID-ATLANTIC and APS	65,598	66,484	67,189	67,656	68,194	68,852	69,318	69,705	70,240	70,713	71,421	71,894	72,386	72,745	73,248	73,812

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 B-11

PJM CONTROL AREA - JANUARY 2015
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2015 - 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST												
TOTAL INTERNAL DEMAND	133,562	135,351	136,796	137,758	138,890	140,293	141,298	142,051	143,159	144,193	145,734	0.9%
% TOTAL		1.3%	1.1%	0.7%	0.8%	1.0%	0.7%	0.5%	0.8%	0.7%	1.1%	
CONTRACTUALLY INTERRUPTIBLE	13,189	11,078	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	9,527	
DIRECT CONTROL	478	478	478	478	478	478	478	478	478	478	478	
TOTAL LOAD MANAGEMENT	13,667	11,556	10,005	10,005	10,005	10,005	10,005	10,005	10,005	10,005	10,005	
NET INTERNAL DEMAND	119,895	123,795	126,791	127,753	128,885	130,288	131,293	132,046	133,154	134,188	135,729	1.2%
% NET		3.3%	2.4%	0.8%	0.9%	1.1%	0.8%	0.6%	0.8%	0.8%	1.1%	
PJM - SERC												
TOTAL INTERNAL DEMAND	21,982	22,561	23,012	23,370	23,728	24,150	24,466	24,851	25,240	25,513	25,846	1.6%
% TOTAL		2.6%	2.0%	1.6%	1.5%	1.8%	1.3%	1.6%	1.6%	1.1%	1.3%	
CONTRACTUALLY INTERRUPTIBLE	1,220	1,038	984	984	984	984	984	984	984	984	984	
DIRECT CONTROL	113	113	113	113	113	113	113	113	113	113	113	
TOTAL LOAD MANAGEMENT	1,333	1,151	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	1,097	
NET INTERNAL DEMAND	20,649	21,410	21,915	22,273	22,631	23,053	23,369	23,754	24,143	24,416	24,749	1.8%
% NET		3.7%	2.4%	1.6%	1.6%	1.9%	1.4%	1.6%	1.6%	1.1%	1.4%	
PJM RTO												
TOTAL INTERNAL DEMAND	155,544	157,912	159,808	161,128	162,618	164,443	165,764	166,902	168,399	169,706	171,580	1.0%
% TOTAL		1.5%	1.2%	0.8%	0.9%	1.1%	0.8%	0.7%	0.9%	0.8%	1.1%	
CONTRACTUALLY INTERRUPTIBLE	14,409	12,116	10,511	10,511	10,511	10,511	10,511	10,511	10,511	10,511	10,511	
DIRECT CONTROL	591	591	591	591	591	591	591	591	591	591	591	
TOTAL LOAD MANAGEMENT	15,000	12,707	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	11,102	
NET INTERNAL DEMAND	140,544	145,205	148,706	150,026	151,516	153,341	154,662	155,800	157,297	158,604	160,478	1.3%
% NET		3.3%	2.4%	0.9%	1.0%	1.2%	0.9%	0.7%	1.0%	0.8%	1.2%	

Notes:
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 growth rates are calculated from the first year of the forecast.

Table B-11 (Continued)

PJM CONTROL AREA - JANUARY 2015
SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2026 - 2030

	2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST						
TOTAL INTERNAL DEMAND	146,762	147,880	148,546	149,644	150,862	0.8%
% TOTAL	0.7%	0.8%	0.5%	0.7%	0.8%	
CONTRACTUALLY INTERRUPTIBLE	9,527	9,527	9,527	9,527	9,527	
DIRECT CONTROL	478	478	478	478	478	
TOTAL LOAD MANAGEMENT	10,005	10,005	10,005	10,005	10,005	
NET INTERNAL DEMAND	136,757	137,875	138,541	139,639	140,857	1.1%
% NET	0.8%	0.8%	0.5%	0.8%	0.9%	
PJM - SERC						
TOTAL INTERNAL DEMAND	26,136	26,353	26,637	26,903	27,190	1.4%
% TOTAL	1.1%	0.8%	1.1%	1.0%	1.1%	
CONTRACTUALLY INTERRUPTIBLE	984	984	984	984	984	
DIRECT CONTROL	113	113	113	113	113	
TOTAL LOAD MANAGEMENT	1,097	1,097	1,097	1,097	1,097	
NET INTERNAL DEMAND	25,039	25,256	25,540	25,806	26,093	1.6%
% NET	1.2%	0.9%	1.1%	1.0%	1.1%	
PJM RTO						
TOTAL INTERNAL DEMAND	172,898	174,233	175,183	176,547	178,052	0.9%
% TOTAL	0.8%	0.8%	0.5%	0.8%	0.9%	
CONTRACTUALLY INTERRUPTIBLE	10,511	10,511	10,511	10,511	10,511	
DIRECT CONTROL	591	591	591	591	591	
TOTAL LOAD MANAGEMENT	11,102	11,102	11,102	11,102	11,102	
NET INTERNAL DEMAND	161,796	163,131	164,081	165,445	166,950	1.2%
% NET	0.8%	0.8%	0.6%	0.8%	0.9%	

Notes:
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 growth rates are calculated from the first year of the forecast.

Table B-12

PJM CONTROL AREA - JANUARY 2015
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2014/15 - 2024/25

	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST												
TOTAL INTERNAL DEMAND	109,683	111,256	112,672	113,572	114,289	115,007	115,942	116,933	117,753	118,477	119,221	0.8%
% TOTAL		1.4%	1.3%	0.8%	0.6%	0.6%	0.8%	0.9%	0.7%	0.6%	0.6%	
CONTRACTUALLY INTERRUPTIBLE	703	525	1,402	1,402	1,402	1,402	1,402	1,402	1,402	1,402	1,402	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	703	525	1,402	1,402	1,402	1,402	1,402	1,402	1,402	1,402	1,402	
NET INTERNAL DEMAND	108,980	110,731	111,270	112,170	112,887	113,605	114,540	115,531	116,351	117,075	117,819	0.8%
% NET		1.6%	0.5%	0.8%	0.6%	0.6%	0.8%	0.9%	0.7%	0.6%	0.6%	
PJM - SERC												
TOTAL INTERNAL DEMAND	20,028	20,465	20,770	21,198	21,524	21,781	22,076	22,386	22,726	23,039	23,340	1.5%
% TOTAL		2.2%	1.5%	2.1%	1.5%	1.2%	1.4%	1.4%	1.5%	1.4%	1.3%	
CONTRACTUALLY INTERRUPTIBLE	0	0	30	30	30	30	30	30	30	30	30	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	0	0	30	30	30	30	30	30	30	30	30	
NET INTERNAL DEMAND	20,028	20,465	20,740	21,168	21,494	21,751	22,046	22,356	22,696	23,009	23,310	1.5%
% NET		2.2%	1.3%	2.1%	1.5%	1.2%	1.4%	1.4%	1.5%	1.4%	1.3%	
PJM RTO												
TOTAL INTERNAL DEMAND	129,711	131,721	133,442	134,770	135,813	136,788	138,018	139,319	140,479	141,516	142,561	0.9%
% TOTAL		1.5%	1.3%	1.0%	0.8%	0.7%	0.9%	0.9%	0.8%	0.7%	0.7%	
CONTRACTUALLY INTERRUPTIBLE	703	525	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	703	525	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	1,432	
NET INTERNAL DEMAND	129,008	131,196	132,010	133,338	134,381	135,356	136,586	137,887	139,047	140,084	141,129	0.9%
% NET		1.7%	0.6%	1.0%	0.8%	0.7%	0.9%	1.0%	0.8%	0.7%	0.7%	

Notes:
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 growth rates are calculated from the first year of the forecast.

Table B-12 (Continued)

PJM CONTROL AREA - JANUARY 2015
WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
2025/26 - 2029/30

	25/26	26/27	27/28	28/29	29/30	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST						
TOTAL INTERNAL DEMAND	120,081	120,995	121,979	122,599	123,510	0.8%
% TOTAL	0.7%	0.8%	0.8%	0.5%	0.7%	
CONTRACTUALLY INTERRUPTIBLE	1,402	1,402	1,402	1,402	1,402	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,402	1,402	1,402	1,402	1,402	
NET INTERNAL DEMAND	118,679	119,593	120,577	121,197	122,108	0.8%
% NET	0.7%	0.8%	0.8%	0.5%	0.8%	
PJM - SERC						
TOTAL INTERNAL DEMAND	23,529	23,764	23,993	24,193	24,471	1.3%
% TOTAL	0.8%	1.0%	1.0%	0.8%	1.1%	
CONTRACTUALLY INTERRUPTIBLE	30	30	30	30	30	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	30	30	30	30	30	
NET INTERNAL DEMAND	23,499	23,734	23,963	24,163	24,441	1.3%
% NET	0.8%	1.0%	1.0%	0.8%	1.2%	
PJM RTO						
TOTAL INTERNAL DEMAND	143,610	144,759	145,972	146,792	147,981	0.9%
% TOTAL	0.7%	0.8%	0.8%	0.6%	0.8%	
CONTRACTUALLY INTERRUPTIBLE	1,432	1,432	1,432	1,432	1,432	
DIRECT CONTROL	0	0	0	0	0	
TOTAL LOAD MANAGEMENT	1,432	1,432	1,432	1,432	1,432	
NET INTERNAL DEMAND	142,178	143,327	144,540	145,360	146,549	0.9%
% NET	0.7%	0.8%	0.8%	0.6%	0.8%	

Notes:
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 growth rates are calculated from the first year of the forecast.

Table C-1

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

BASE (50/50) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	16,704	23,797	16,038	20,960
2016	16,752	24,112	16,245	21,292
2017	16,805	24,353	16,464	21,548
2018	17,045	24,532	16,650	21,720
2019	17,183	24,716	16,754	21,831
2020	17,540	24,893	16,784	21,946
2021	17,763	25,063	16,823	22,137
2022	17,672	25,258	17,087	22,299
2023	17,649	25,448	17,314	22,456
2024	17,957	25,630	17,518	22,603
2025	18,206	25,811	17,577	22,720
2026	18,403	25,996	17,646	22,829
2027	18,609	26,172	17,604	23,034
2028	18,321	26,356	17,960	23,194
2029	18,520	26,543	18,177	23,329
2030	18,751	26,741	18,311	23,482

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	18,008	25,078	17,792	22,312
2016	18,192	25,370	18,064	22,588
2017	18,290	25,616	18,263	22,868
2018	18,557	25,765	18,548	23,037
2019	18,690	26,001	18,637	23,158
2020	18,956	26,238	18,618	23,243
2021	19,075	26,407	18,760	23,472
2022	19,128	26,596	18,956	23,652
2023	19,142	26,770	19,127	23,824
2024	19,516	26,968	19,418	23,972
2025	19,631	27,222	19,464	24,022
2026	19,889	27,405	19,514	24,243
2027	20,008	27,579	19,619	24,401
2028	19,869	27,732	19,850	24,596
2029	20,210	27,871	20,180	24,680
2030	20,407	28,143	20,297	24,849

Table C-2

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

BASE (50/50) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	10,278	13,118	10,231	12,800
2016	10,441	13,330	10,383	13,036
2017	10,592	13,496	10,524	13,250
2018	10,756	13,583	10,651	13,385
2019	10,875	13,732	10,723	13,498
2020	10,949	13,852	10,809	13,565
2021	11,010	13,962	10,856	13,681
2022	11,092	14,088	11,033	13,825
2023	11,192	14,207	11,142	13,947
2024	11,398	14,319	11,265	14,056
2025	11,486	14,443	11,339	14,135
2026	11,559	14,559	11,443	14,245
2027	11,649	14,672	11,480	14,367
2028	11,697	14,780	11,625	14,505
2029	11,840	14,861	11,754	14,582
2030	12,007	15,014	11,853	14,711

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	10,598	13,698	10,254	13,472
2016	10,785	13,893	10,467	13,706
2017	10,937	14,052	10,614	13,939
2018	11,060	14,163	10,814	14,070
2019	11,167	14,319	10,882	14,170
2020	11,294	14,467	10,853	14,224
2021	11,369	14,570	10,936	14,382
2022	11,470	14,689	11,106	14,534
2023	11,588	14,798	11,234	14,660
2024	11,706	14,936	11,442	14,768
2025	11,789	15,101	11,463	14,804
2026	11,949	15,213	11,488	14,956
2027	12,027	15,319	11,539	15,071
2028	12,079	15,405	11,733	15,234
2029	12,199	15,493	11,950	15,284
2030	12,350	15,669	12,040	15,413

Table C-3

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

BASE (50/50) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	18,191	32,194	19,267	22,001
2016	18,500	32,655	19,176	22,348
2017	18,651	32,980	19,761	22,665
2018	18,846	33,191	20,109	22,841
2019	19,096	33,474	20,243	22,986
2020	19,227	33,701	20,219	23,073
2021	19,672	33,909	20,114	23,249
2022	19,580	34,148	20,177	23,435
2023	19,565	34,373	20,690	23,623
2024	20,294	34,579	21,023	23,754
2025	20,418	34,812	21,121	23,842
2026	20,478	35,036	21,135	24,009
2027	20,609	35,251	21,066	24,161
2028	20,255	35,471	21,456	24,350
2029	20,503	35,578	21,815	24,475
2030	21,151	35,956	21,977	24,665

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	21,886	34,263	22,258	23,122
2016	21,919	34,707	22,549	23,458
2017	22,121	35,038	22,920	23,777
2018	22,614	35,161	23,267	23,938
2019	22,788	35,526	23,374	24,091
2020	23,113	35,798	23,344	24,223
2021	23,246	36,006	23,470	24,375
2022	23,086	36,261	23,654	24,543
2023	23,279	36,477	23,947	24,761
2024	23,717	36,703	24,251	24,871
2025	23,847	37,011	24,332	25,007
2026	24,211	37,215	24,398	25,165
2027	24,350	37,425	24,504	25,313
2028	24,121	37,643	24,809	25,476
2029	24,539	37,764	25,180	25,629
2030	24,781	38,162	25,327	25,808

Table C-4

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

BASE (50/50) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	8,675	13,721	8,665	11,047
2016	8,711	13,852	8,691	11,186
2017	8,784	13,964	8,866	11,309
2018	8,878	14,046	8,974	11,393
2019	8,970	14,160	9,019	11,455
2020	9,075	14,259	9,019	11,512
2021	9,156	14,342	9,055	11,574
~~2022~~	~~9,133~~	~~14,423~~	~~9,142~~	~~11,666~~
2023	9,172	14,517	9,263	11,741
2024	9,318	14,626	9,356	11,816
2025	9,363	14,728	9,403	11,867
2026	9,495	14,822	9,453	11,919
2027	9,560	14,903	9,418	11,995
2028	9,495	14,996	9,579	12,088
2029	9,618	15,062	9,687	12,162
2030	9,707	15,197	9,750	12,221

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	9,864	14,383	9,974	11,791
2016	9,992	14,536	10,114	11,936
2017	10,087	14,659	10,193	12,042
2018	10,141	14,732	10,323	12,121
2019	10,200	14,848	10,370	12,184
2020	10,327	14,983	10,384	12,229
2021	10,393	15,075	10,471	12,348
2022	10,453	15,174	10,541	12,436
2023	10,551	15,261	10,614	12,490
2024	10,592	15,356	10,741	12,564
2025	10,647	15,503	10,783	12,597
2026	10,789	15,593	10,820	12,696
2027	10,855	15,685	10,900	12,778
2028	10,909	15,764	10,978	12,875
2029	10,956	15,842	11,134	12,908
2030	11,070	15,977	11,187	12,987

Table C-5

PJM LOCATIONAL DELIVERABILITY AREAS
MID-ATLANTIC and APS: AE, APS, BGE, DPL, JCPL, METED, PECO, PENLC, PEPCO, PL, PS, RECO and UGI
SEASONAL PEAKS - MW

BASE (50/50) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	43,422	67,414	43,516	54,017
2016	44,038	68,359	43,929	54,916
2017	44,448	69,074	44,679	55,652
2018	45,102	69,617	45,249	56,142
2019	45,435	70,131	45,564	56,571
2020	45,997	70,593	45,689	56,849
2021	46,506	71,090	45,772	57,375
2022	46,767	71,651	46,632	57,874
2023	46,953	72,186	47,251	58,338
2024	47,861	72,703	47,927	58,741
2025	48,292	73,197	48,148	59,034
2026	48,540	73,713	48,274	59,449
2027	48,940	74,224	48,001	59,989
2028	48,831	74,747	49,107	60,457
2029	49,360	75,273	49,815	60,823
2030	50,150	75,871	50,210	61,292

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2015	48,775	71,061	49,181	56,942
2016	49,352	72,040	49,902	57,803
2017	49,577	72,809	50,652	58,748
2018	50,541	73,195	51,427	59,183
2019	50,962	73,935	51,734	59,487
2020	51,380	74,408	51,690	59,871
2021	51,794	74,936	52,061	60,296
2022	51,915	75,507	52,607	60,881
2023	52,357	76,088	53,208	61,499
2024	53,156	76,642	53,801	61,850
2025	53,746	77,346	54,117	62,123
2026	54,159	77,688	54,306	62,562
2027	54,444	78,214	54,564	62,986
2028	54,406	78,773	55,303	63,546
2029	55,282	79,261	55,849	63,915
2030	55,823	79,965	56,299	64,397

Table D-1

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AE	2,806	2,843	2,867	2,886	2,898	2,911	2,923	2,939	2,951	2,966	2,985	2,997	3,011	3,025	3,042	3,062
BGE	7,435	7,535	7,619	7,660	7,735	7,800	7,859	7,916	7,987	8,048	8,123	8,183	8,247	8,310	8,367	8,447
DPL	4,329	4,398	4,436	4,463	4,505	4,555	4,588	4,630	4,652	4,686	4,740	4,771	4,803	4,830	4,855	4,902
JCPL	6,677	6,779	6,846	6,838	6,964	7,023	7,072	7,133	7,185	7,240	7,308	7,356	7,408	7,461	7,448	7,589
METED	3,071	3,118	3,163	3,189	3,233	3,272	3,300	3,335	3,370	3,406	3,451	3,484	3,515	3,549	3,569	3,622
PECO	9,111	9,236	9,352	9,407	9,508	9,586	9,649	9,726	9,799	9,863	9,949	10,010	10,073	10,145	10,207	10,296
PENLC	3,004	3,059	3,095	3,130	3,166	3,212	3,239	3,268	3,289	3,324	3,372	3,401	3,426	3,438	3,465	3,502
PEPCO	6,948	7,001	7,040	7,072	7,113	7,184	7,216	7,258	7,274	7,308	7,380	7,410	7,439	7,455	7,475	7,530
PL	7,417	7,507	7,583	7,632	7,706	7,767	7,815	7,869	7,920	7,985	8,056	8,105	8,154	8,193	8,233	8,316
PS	10,887	10,995	11,079	11,111	11,190	11,259	11,309	11,366	11,422	11,479	11,555	11,606	11,654	11,705	11,739	11,834
RECO	453	456	459	456	461	464	465	467	469	469	475	475	476	477	473	479
UGI	207	209	211	213	214	216	217	218	219	221	223	224	225	226	227	229
DIVERSITY - MID-ATLANTIC(-)	104	41	6	50	11	175	138	122	56	55	183	214	182	93	91	106
PJM MID-ATLANTIC	62,241	63,095	63,744	64,007	64,682	65,074	65,514	66,003	66,481	66,940	67,434	67,808	68,249	68,721	69,009	69,702
FE-EAST	12,751	12,956	13,104	13,157	13,363	13,507	13,611	13,736	13,844	13,970	14,130	14,240	14,348	14,448	14,481	14,713
PLGRP	7,623	7,716	7,794	7,844	7,920	7,983	8,032	8,087	8,139	8,206	8,278	8,328	8,379	8,419	8,460	8,545

Table D-1

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

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
AEP	24,464	24,780	25,025	25,181	25,352	25,533	25,709	25,917	26,090	26,261	26,478	26,653	26,859	27,057	27,243	27,485
APS	9,051	9,187	9,306	9,391	9,487	9,593	9,683	9,777	9,878	9,965	10,064	10,154	10,244	10,343	10,444	10,554
ATSI	13,779	13,879	13,967	14,021	14,078	14,137	14,183	14,246	14,297	14,362	14,439	14,491	14,544	14,608	14,658	14,748
COMED	24,506	24,984	25,355	25,626	25,932	26,191	26,453	26,767	27,054	27,357	27,689	27,965	28,241	28,532	28,783	29,121
DAYTON	3,626	3,709	3,772	3,811	3,847	3,886	3,926	3,979	4,022	4,064	4,112	4,154	4,198	4,251	4,297	4,349
DEOK	5,741	5,822	5,886	5,929	5,966	6,019	6,071	6,132	6,179	6,222	6,269	6,330	6,381	6,433	6,483	6,530
DLCO	3,129	3,170	3,200	3,219	3,237	3,256	3,271	3,292	3,311	3,329	3,350	3,368	3,385	3,404	3,422	3,446
EKPC	2,104	2,135	2,158	2,178	2,196	2,217	2,233	2,257	2,277	2,293	2,319	2,337	2,350	2,379	2,399	2,416
DIVERSITY - WESTERN(-)	563	551	587	483	478	598	592	626	592	554	633	712	655	662	568	663
PJM WESTERN	85,837	87,115	88,082	88,873	89,617	90,234	90,937	91,741	92,516	93,299	94,087	94,740	95,547	96,345	97,161	97,986
DOM	20,537	21,139	21,567	21,917	22,262	22,621	22,973	23,367	23,731	23,992	24,288	24,541	24,801	25,067	25,325	25,620
DIVERSITY - INTERREGIONAL(-)	2,658	2,822	3,045	2,787	2,995	2,825	2,865	2,943	3,113	3,044	3,051	2,945	3,047	3,221	3,077	3,157
PJM RTO	165,957	168,527	170,348	172,010	173,566	175,104	176,559	178,168	179,615	181,187	182,758	184,144	185,550	186,912	188,418	190,151

Table D-2

WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014/15 - 2029/30

	14/15	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
AE	1,753	1,773	1,793	1,797	1,805	1,801	1,813	1,823	1,829	1,834	1,832	1,843	1,849	1,860	1,856	1,871
BGE	6,117	6,177	6,216	6,240	6,262	6,281	6,336	6,369	6,391	6,418	6,430	6,477	6,514	6,556	6,567	6,597
DPL	3,631	3,684	3,749	3,751	3,771	3,792	3,834	3,860	3,907	3,905	3,920	3,957	3,985	4,016	4,028	4,051
JCPL	3,959	4,025	4,078	4,113	4,135	4,145	4,201	4,235	4,264	4,286	4,294	4,338	4,375	4,415	4,424	4,472
METED	*2,705*	*2,755*	*2,798*	*2,833*	*2,863*	*2,884*	*2,920*	*2,955*	*2,981*	*3,013*	*3,036*	*3,074*	*3,102*	*3,143*	*3,159*	*3,199*
PECO	6,853	6,970	7,070	7,150	7,211	7,238	7,322	7,396	7,440	7,502	7,522	7,597	7,653	7,735	7,769	7,834
PENLC	2,971	3,046	3,111	3,154	3,196	3,210	3,252	3,289	3,326	3,360	3,379	3,417	3,451	3,492	3,511	3,551
PEPCO	5,674	5,759	5,827	5,881	5,922	5,948	6,012	6,067	6,099	6,146	6,167	6,219	6,264	6,319	6,341	6,390
PL	7,607	7,719	7,816	7,868	7,895	7,913	8,008	8,081	8,132	8,173	8,167	8,249	8,305	8,388	8,387	8,435
PS	6,773	6,865	6,924	6,976	6,998	7,019	7,081	7,123	7,152	7,200	7,206	7,258	7,299	7,348	7,365	7,411
RECO	236	239	240	240	242	239	242	243	243	243	241	242	244	245	243	247
UGI	210	212	214	215	216	217	219	220	221	222	223	224	225	227	227	228
DIVERSITY - MID-ATLANTIC(-)	614	654	582	519	525	475	705	684	580	540	480	631	670	692	576	506
PJM MID-ATLANTIC	47,875	48,570	49,254	49,699	49,991	50,212	50,535	50,977	51,405	51,762	51,937	52,264	52,596	53,052	53,301	53,780
FE-EAST	9,598	9,793	9,958	10,081	10,170	10,227	10,339	10,440	10,548	10,642	10,699	10,813	10,910	11,013	11,081	11,188
PLGRP	7,816	7,931	8,030	8,083	8,111	8,130	8,227	8,301	8,353	8,395	8,389	8,473	8,530	8,615	8,614	8,663

Table D-2

WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO 2014/15 - 2029/30

	14/15	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
AEP	24,322	24,667	24,875	25,093	25,249	25,368	25,643	25,799	25,924	26,122	26,251	26,490	26,701	26,910	27,008	27,276
APS	9,268	9,444	9,570	9,692	9,792	9,873	10,018	10,129	10,211	10,327	10,396	10,532	10,635	10,759	10,830	10,951
ATSI	10,985	11,045	11,077	11,110	11,133	11,140	11,197	11,226	11,234	11,266	11,272	11,321	11,348	11,394	11,371	11,437
COMED	16,300	16,597	16,812	17,024	17,188	17,289	17,521	17,707	17,843	18,009	18,124	18,342	18,523	18,703	18,815	19,046
DAYTON	3,078	3,139	3,174	3,210	3,234	3,251	3,297	3,320	3,343	3,375	3,398	3,439	3,472	3,502	3,520	3,563
DEOK	4,698	4,735	4,760	4,792	4,813	4,830	4,882	4,905	4,920	4,950	4,967	5,022	5,043	5,074	5,082	5,113
DLCO	2,261	2,285	2,299	2,312	2,321	2,326	2,342	2,351	2,356	2,367	2,372	2,386	2,394	2,406	2,409	2,423
EKPC	2,767	2,797	2,818	2,839	2,849	2,855	2,888	2,906	2,921	2,941	2,936	2,968	2,989	3,011	3,018	3,038
DIVERSITY - WESTERN(-)	1,001	999	960	1,056	1,099	1,083	1,147	1,290	1,042	1,139	1,105	1,130	1,129	1,345	1,178	1,249
PJM WESTERN	72,678	73,710	74,425	75,016	75,480	75,849	76,641	77,053	77,710	78,218	78,611	79,370	79,976	80,414	80,875	81,598
DOM	19,031	19,438	19,785	20,144	20,419	20,644	21,008	21,326	21,654	21,930	22,170	22,421	22,650	22,900	23,054	23,292
DIVERSITY - INTERREGIONAL(-)	1,419	1,497	1,561	1,513	1,591	1,421	1,549	1,357	1,641	1,598	1,469	1,501	1,589	1,464	1,503	1,757
PJM RTO	138,165	140,221	141,903	143,346	144,299	145,284	146,635	147,999	149,128	150,312	151,249	152,554	153,633	154,902	155,727	156,913

Table E-1

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2015 - 2025

	ESTIMATED 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AE	10,492	10,625	10,800	10,866	10,932	10,966	11,037	11,079	11,133	11,187	11,270	11,287	0.6%
		1.3%	1.6%	0.6%	0.6%	0.3%	0.6%	0.4%	0.5%	0.5%	0.7%	0.2%	
BGE	32,666	33,025	33,536	33,753	34,002	34,201	34,524	34,712	34,981	35,236	35,582	35,725	0.8%
		1.1%	1.5%	0.6%	0.7%	0.6%	0.9%	0.5%	0.8%	0.7%	1.0%	0.4%	
DPL	19,103	19,367	19,692	19,854	20,026	20,151	20,348	20,472	20,627	20,775	20,984	21,072	0.8%
		1.4%	1.7%	0.8%	0.9%	0.6%	1.0%	0.6%	0.8%	0.7%	1.0%	0.4%	
JCPL	23,189	23,620	24,148	24,419	24,683	24,870	25,157	25,379	25,634	25,873	26,160	26,314	1.1%
		1.9%	2.2%	1.1%	1.1%	0.8%	1.2%	0.9%	1.0%	0.9%	1.1%	0.6%	
METED	15,648	15,945	16,317	16,520	16,740	16,893	17,139	17,283	17,497	17,692	17,929	18,079	1.3%
		1.9%	2.3%	1.2%	1.3%	0.9%	1.5%	0.8%	1.2%	1.1%	1.3%	0.8%	
PECO	40,667	41,306	42,160	42,680	43,189	43,565	44,062	44,331	44,756	45,154	45,650	45,904	1.1%
		1.6%	2.1%	1.2%	1.2%	0.9%	1.1%	0.6%	1.0%	0.9%	1.1%	0.6%	
PENLC	18,176	18,671	19,256	19,598	19,919	20,138	20,448	20,644	20,925	21,188	21,491	21,674	1.5%
		2.7%	3.1%	1.8%	1.6%	1.1%	1.5%	1.0%	1.4%	1.3%	1.4%	0.9%	
PEPCO	30,784	31,066	31,508	31,708	31,950	32,134	32,430	32,570	32,796	32,999	33,295	33,399	0.7%
		0.9%	1.4%	0.6%	0.8%	0.6%	0.9%	0.4%	0.7%	0.6%	0.9%	0.3%	
PL	40,744	41,349	42,124	42,495	42,902	43,172	43,650	43,870	44,253	44,596	45,050	45,250	0.9%
		1.5%	1.9%	0.9%	1.0%	0.6%	1.1%	0.5%	0.9%	0.8%	1.0%	0.4%	
PS	44,220	44,791	45,516	45,807	46,102	46,310	46,733	46,948	47,288	47,555	47,905	48,067	0.7%
		1.3%	1.6%	0.6%	0.6%	0.5%	0.9%	0.5%	0.7%	0.6%	0.7%	0.3%	
RECO	1,547	1,559	1,572	1,575	1,581	1,582	1,592	1,595	1,600	1,604	1,612	1,612	0.3%
		0.8%	0.8%	0.2%	0.4%	0.1%	0.6%	0.2%	0.3%	0.3%	0.5%	0.0%	
UGI	1,068	1,086	1,105	1,116	1,126	1,133	1,144	1,150	1,160	1,166	1,179	1,183	0.9%
		1.7%	1.7%	1.0%	0.9%	0.6%	1.0%	0.5%	0.9%	0.5%	1.1%	0.3%	
PJM MID-ATLANTIC	278,304	282,410	287,734	290,391	293,152	295,115	298,264	300,033	302,650	305,025	308,107	309,566	0.9%
		1.5%	1.9%	0.9%	1.0%	0.7%	1.1%	0.6%	0.9%	0.8%	1.0%	0.5%	
FE-EAST	57,013	58,236	59,721	60,537	61,342	61,901	62,744	63,306	64,056	64,753	65,580	66,067	1.3%
		2.1%	2.5%	1.4%	1.3%	0.9%	1.4%	0.9%	1.2%	1.1%	1.3%	0.7%	
PLGRP	41,812	42,435	43,229	43,611	44,028	44,305	44,794	45,020	45,413	45,762	46,229	46,433	0.9%
		1.5%	1.9%	0.9%	1.0%	0.6%	1.1%	0.5%	0.9%	0.8%	1.0%	0.4%	

Notes:

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

Table E-1 (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION 2026 - 2030

	2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AE	11,336	11,383	11,468	11,503	11,569	0.6%
	0.4%	0.4%	0.7%	0.3%	0.6%	
BGE	35,969	36,217	36,591	36,765	37,028	0.8%
	0.7%	0.7%	1.0%	0.5%	0.7%	
DPL	21,213	21,341	21,549	21,638	21,781	0.8%
	0.7%	0.6%	1.0%	0.4%	0.7%	
JCPL	26,545	26,771	27,092	27,279	27,537	1.0%
	0.9%	0.9%	1.2%	0.7%	0.9%	
METED	18,281	18,478	18,729	18,885	19,070	1.2%
	1.1%	1.1%	1.4%	0.8%	1.0%	
PECO	46,262	46,625	47,152	47,435	47,839	1.0%
	0.8%	0.8%	1.1%	0.6%	0.9%	
PENLC	21,920	22,161	22,458	22,641	22,858	1.4%
	1.1%	1.1%	1.3%	0.8%	1.0%	
PEPCO	33,571	33,748	34,039	34,158	34,355	0.7%
	0.5%	0.5%	0.9%	0.3%	0.6%	
PL	45,597	45,927	46,396	46,611	46,924	0.8%
	0.8%	0.7%	1.0%	0.5%	0.7%	
PS	48,342	48,608	49,032	49,191	49,479	0.7%
	0.6%	0.6%	0.9%	0.3%	0.6%	
RECO	1,617	1,622	1,632	1,630	1,633	0.3%
	0.3%	0.3%	0.6%	-0.1%	0.2%	
UGI	1,192	1,198	1,213	1,217	1,225	0.8%
	0.8%	0.5%	1.3%	0.3%	0.7%	
PJM MID-ATLANTIC	311,845	314,079	317,351	318,953	321,298	0.9%
	0.7%	0.7%	1.0%	0.5%	0.7%	
FE-EAST	66,746	67,410	68,279	68,805	69,465	1.2%
	1.0%	1.0%	1.3%	0.8%	1.0%	
PLGRP	46,789	47,125	47,609	47,828	48,149	0.8%
	0.8%	0.7%	1.0%	0.5%	0.7%	

Notes:

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

Table E-1

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2015 - 2025

	ESTIMATED 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AEP	133,479	134,974	136,923	137,755	138,745	139,370	140,724	141,169	142,149	143,003	144,259	144,800	0.7%
		1.1%	1.4%	0.6%	0.7%	0.5%	1.0%	0.3%	0.7%	0.6%	0.9%	0.4%	
APS	49,375	50,180	51,155	51,658	52,227	52,678	53,390	53,800	54,354	54,880	55,542	55,890	1.1%
		1.6%	1.9%	1.0%	1.1%	0.9%	1.4%	0.8%	1.0%	1.0%	1.2%	0.6%	
ATSI	69,662	70,125	70,819	70,937	71,190	71,259	71,813	71,945	72,231	72,416	72,765	72,844	0.4%
		0.7%	1.0%	0.2%	0.4%	0.1%	0.8%	0.2%	0.4%	0.3%	0.5%	0.1%	
COMED	102,200	104,416	107,210	108,869	110,590	111,904	113,681	114,888	116,553	118,083	119,891	121,130	1.5%
		2.2%	2.7%	1.5%	1.6%	1.2%	1.6%	1.1%	1.4%	1.3%	1.5%	1.0%	
DAYTON	17,650	18,057	18,590	18,910	19,186	19,343	19,646	19,846	20,122	20,377	20,667	20,874	1.5%
		2.3%	3.0%	1.7%	1.5%	0.8%	1.6%	1.0%	1.4%	1.3%	1.4%	1.0%	
DEOK	27,317	27,584	27,990	28,190	28,405	28,545	28,834	28,994	29,227	29,427	29,706	29,842	0.8%
		1.0%	1.5%	0.7%	0.8%	0.5%	1.0%	0.6%	0.8%	0.7%	0.9%	0.5%	
DLCO	14,866	15,059	15,329	15,441	15,560	15,628	15,767	15,820	15,929	16,024	16,147	16,201	0.7%
		1.3%	1.8%	0.7%	0.8%	0.4%	0.9%	0.3%	0.7%	0.6%	0.8%	0.3%	
EKPC	10,803	10,906	11,055	11,120	11,209	11,270	11,378	11,432	11,517	11,599	11,713	11,756	0.8%
		1.0%	1.4%	0.6%	0.8%	0.5%	1.0%	0.5%	0.7%	0.7%	1.0%	0.4%	
PJM WESTERN	425,352	431,301	439,071	442,880	447,112	449,997	455,233	457,894	462,082	465,809	470,690	473,337	0.9%
		1.4%	1.8%	0.9%	1.0%	0.6%	1.2%	0.6%	0.9%	0.8%	1.0%	0.6%	
DOM	96,539	98,579	101,701	103,788	105,693	107,283	109,288	110,835	112,792	114,656	116,524	117,558	1.8%
		2.1%	3.2%	2.1%	1.8%	1.5%	1.9%	1.4%	1.8%	1.7%	1.6%	0.9%	
PJM RTO	800,195	812,290	828,506	837,059	845,957	852,395	862,785	868,762	877,524	885,490	895,321	900,461	1.0%
		1.5%	2.0%	1.0%	1.1%	0.8%	1.2%	0.7%	1.0%	0.9%	1.1%	0.6%	

Notes:

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

Table E-1 (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2026 - 2030

	2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AEP	145,747	146,711	148,109	148,834	149,762	0.7%
	0.7%	0.7%	1.0%	0.5%	0.6%	
APS	56,406	56,916	57,616	58,030	58,571	1.0%
	0.9%	0.9%	1.2%	0.7%	0.9%	
ATSI	73,142	73,415	73,833	73,925	74,084	0.4%
	0.4%	0.4%	0.6%	0.1%	0.2%	
COMED	122,671	124,146	125,951	127,187	128,581	1.4%
	1.3%	1.2%	1.5%	1.0%	1.1%	
DAYTON	21,147	21,417	21,752	21,995	22,251	1.4%
	1.3%	1.3%	1.6%	1.1%	1.2%	
DEOK	30,055	30,260	30,556	30,705	30,902	0.8%
	0.7%	0.7%	1.0%	0.5%	0.6%	
DLCO	16,301	16,395	16,542	16,609	16,704	0.7%
	0.6%	0.6%	0.9%	0.4%	0.6%	
EKPC	11,831	11,904	12,021	12,073	12,150	0.7%
	0.6%	0.6%	1.0%	0.4%	0.6%	
PJM WESTERN	477,300	481,164	486,380	489,358	493,005	0.9%
	0.8%	0.8%	1.1%	0.6%	0.7%	
DOM	118,877	120,222	122,005	123,131	124,513	1.6%
	1.1%	1.1%	1.5%	0.9%	1.1%	
PJM RTO	908,022	915,465	925,736	931,442	938,816	1.0%
	0.8%	0.8%	1.1%	0.6%	0.8%	

Notes:

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

Table E-2

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

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	PJM MID-ATLANTIC
Jan 2015	904	3,098	1,805	2,056	1,478	3,710	1,723	2,842	4,012	3,792	128	109	25,657
Feb 2015	795	2,700	1,582	1,802	1,312	3,264	1,537	2,484	3,531	3,359	112	95	22,573
Mar 2015	799	2,634	1,533	1,826	1,333	3,319	1,600	2,425	3,532	3,485	118	95	22,699
Apr 2015	736	2,319	1,357	1,683	1,196	3,020	1,451	2,191	3,099	3,272	112	81	20,517
May 2015	782	2,414	1,413	1,769	1,227	3,118	1,474	2,305	3,130	3,440	121	80	21,273
Jun 2015	941	2,884	1,675	2,088	1,311	3,547	1,472	2,785	3,278	4,006	143	83	24,213
Jul 2015	1,204	3,352	1,976	2,553	1,472	4,142	1,598	3,205	3,664	4,723	169	95	28,153
Aug 2015	1,164	3,240	1,901	2,413	1,431	3,981	1,583	3,066	3,567	4,506	159	91	27,102
Sep 2015	854	2,576	1,531	1,855	1,226	3,237	1,470	2,494	3,140	3,606	129	79	22,197
Oct 2015	785	2,402	1,424	1,780	1,252	3,172	1,530	2,269	3,200	3,467	123	83	21,487
Nov 2015	773	2,462	1,451	1,760	1,254	3,165	1,523	2,291	3,305	3,380	117	89	21,570
Dec 2015	888	2,944	1,719	2,035	1,453	3,631	1,710	2,709	3,891	3,755	128	106	24,969

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2016	915	3,131	1,829	2,093	1,509	3,774	1,774	2,877	4,072	3,840	128	110	26,052
Feb 2016	835	2,831	1,662	1,904	1,388	3,446	1,642	2,609	3,719	3,534	117	100	23,787
Mar 2016	818	2,683	1,565	1,880	1,367	3,394	1,654	2,469	3,606	3,558	120	97	23,211
Apr 2016	747	2,347	1,377	1,718	1,220	3,074	1,492	2,214	3,143	3,318	112	82	20,844
May 2016	796	2,452	1,438	1,810	1,255	3,184	1,521	2,338	3,191	3,495	122	82	21,684
Jun 2016	956	2,926	1,701	2,132	1,339	3,615	1,517	2,813	3,335	4,065	144	84	24,627
Jul 2016	1,216	3,372	1,987	2,581	1,483	4,172	1,621	3,207	3,676	4,736	169	96	28,316
Aug 2016	1,181	3,296	1,933	2,471	1,474	4,073	1,642	3,114	3,658	4,599	162	93	27,696
Sep 2016	865	2,606	1,550	1,891	1,249	3,291	1,508	2,518	3,183	3,649	129	80	22,519
Oct 2016	795	2,427	1,440	1,810	1,272	3,222	1,565	2,290	3,237	3,504	123	84	21,769
Nov 2016	778	2,490	1,467	1,786	1,283	3,226	1,569	2,319	3,365	3,414	117	90	21,904
Dec 2016	898	2,975	1,743	2,072	1,478	3,689	1,751	2,740	3,939	3,804	129	107	25,325

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2017	925	3,175	1,858	2,133	1,543	3,854	1,823	2,928	4,147	3,907	130	112	26,535
Feb 2017	814	2,762	1,626	1,867	1,364	3,383	1,622	2,550	3,638	3,447	113	98	23,284
Mar 2017	827	2,713	1,587	1,912	1,394	3,457	1,695	2,499	3,662	3,601	120	98	23,565
Apr 2017	753	2,367	1,390	1,741	1,232	3,117	1,516	2,231	3,166	3,342	113	83	21,051
May 2017	805	2,479	1,458	1,840	1,278	3,241	1,559	2,364	3,239	3,533	122	83	22,001
Jun 2017	966	2,956	1,719	2,166	1,361	3,673	1,550	2,837	3,378	4,106	145	86	24,943
Jul 2017	1,224	3,395	2,003	2,604	1,498	4,218	1,647	3,220	3,701	4,758	169	97	28,534
Aug 2017	1,190	3,324	1,951	2,501	1,496	4,126	1,675	3,134	3,698	4,636	163	94	27,988
Sep 2017	872	2,626	1,563	1,913	1,264	3,331	1,535	2,531	3,211	3,670	129	81	22,726
Oct 2017	802	2,451	1,458	1,836	1,294	3,275	1,600	2,314	3,283	3,539	124	85	22,061
Nov 2017	786	2,514	1,485	1,814	1,304	3,275	1,601	2,343	3,407	3,451	118	91	22,189
Dec 2017	902	2,991	1,756	2,092	1,492	3,730	1,775	2,757	3,965	3,817	129	108	25,514

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	PJM WESTERN	DOM	PJM RTO
Jan 2015	12,904	4,911	6,301	9,093	1,628	2,478	1,311	1,154	39,780	9,272	74,709
Feb 2015	11,313	4,322	5,644	8,051	1,436	2,167	1,164	980	35,077	8,049	65,699
Mar 2015	11,357	4,291	5,838	8,362	1,457	2,169	1,219	902	35,595	7,777	66,071
Apr 2015	10,084	3,749	5,392	7,774	1,346	2,002	1,134	752	32,233	6,917	59,667
May 2015	10,339	3,795	5,565	8,078	1,397	2,104	1,192	769	33,239	7,284	61,796
Jun 2015	10,951	3,983	5,780	8,865	1,528	2,443	1,292	876	35,718	8,643	68,574
Jul 2015	12,089	4,398	6,425	10,453	1,725	2,756	1,461	974	40,281	9,744	78,178
Aug 2015	11,916	4,326	6,301	9,991	1,687	2,683	1,420	962	39,286	9,434	75,822
Sep 2015	10,315	3,765	5,500	8,214	1,409	2,157	1,197	784	33,341	7,809	63,347
Oct 2015	10,496	3,859	5,632	8,257	1,429	2,110	1,196	771	33,750	7,267	62,504
Nov 2015	10,716	4,025	5,560	8,137	1,414	2,098	1,174	876	34,000	7,465	63,035
Dec 2015	12,494	4,756	6,187	9,141	1,601	2,417	1,299	1,106	39,001	8,918	72,888

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2016	13,060	4,996	6,345	9,293	1,668	2,505	1,330	1,166	40,363	9,487	75,902
Feb 2016	11,882	4,561	5,896	8,542	1,528	2,274	1,226	1,026	36,935	8,544	69,266
Mar 2016	11,525	4,386	5,902	8,600	1,505	2,206	1,243	915	36,282	8,027	67,520
Apr 2016	10,181	3,803	5,423	7,980	1,382	2,023	1,151	759	32,702	7,102	60,648
May 2016	10,482	3,868	5,616	8,309	1,443	2,134	1,213	779	33,844	7,502	63,030
Jun 2016	11,081	4,050	5,827	9,097	1,572	2,474	1,314	885	36,300	8,913	69,840
Jul 2016	12,095	4,423	6,396	10,594	1,747	2,764	1,470	980	40,469	9,962	78,747
Aug 2016	12,134	4,420	6,409	10,291	1,748	2,734	1,449	974	40,159	9,759	77,614
Sep 2016	10,416	3,818	5,529	8,411	1,446	2,182	1,213	792	33,807	8,049	64,375
Oct 2016	10,576	3,907	5,656	8,435	1,464	2,130	1,210	778	34,156	7,488	63,413
Nov 2016	10,883	4,098	5,604	8,334	1,456	2,124	1,194	884	34,577	7,696	64,177
Dec 2016	12,608	4,825	6,216	9,324	1,631	2,440	1,316	1,117	39,477	9,172	73,974

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2017	13,263	5,093	6,410	9,506	1,710	2,542	1,352	1,182	41,058	9,774	77,367
Feb 2017	11,598	4,471	5,720	8,404	1,504	2,218	1,197	1,002	36,114	8,475	67,873
Mar 2017	11,672	4,458	5,943	8,787	1,542	2,234	1,259	925	36,820	8,264	68,649
Apr 2017	10,230	3,835	5,424	8,113	1,410	2,039	1,160	764	32,975	7,292	61,318
May 2017	10,594	3,927	5,653	8,490	1,478	2,159	1,228	787	34,316	7,725	64,042
Jun 2017	11,186	4,101	5,861	9,270	1,606	2,501	1,328	892	36,745	9,103	70,791
Jul 2017	12,154	4,459	6,401	10,725	1,772	2,784	1,480	985	40,760	10,138	79,432
Aug 2017	12,235	4,471	6,441	10,473	1,781	2,761	1,463	982	40,607	9,944	78,539
Sep 2017	10,479	3,855	5,547	8,557	1,473	2,198	1,223	797	34,129	8,208	65,063
Oct 2017	10,685	3,963	5,693	8,607	1,496	2,154	1,223	786	34,607	7,665	64,333
Nov 2017	10,984	4,153	5,638	8,497	1,486	2,147	1,206	893	35,004	7,868	65,061
Dec 2017	12,675	4,872	6,206	9,440	1,652	2,453	1,322	1,125	39,745	9,332	74,591

Table E-3

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

	FE_EAST	PLGRP
Jan 2015	5,257	4,121
Feb 2015	4,651	3,626
Mar 2015	4,759	3,627
Apr 2015	4,330	3,180
May 2015	4,470	3,210
Jun 2015	4,871	3,361
Jul 2015	5,623	3,759
Aug 2015	5,427	3,658
Sep 2015	4,551	3,219
Oct 2015	4,562	3,283
Nov 2015	4,537	3,394
Dec 2015	5,198	3,997

	FE_EAST	PLGRP
Jan 2016	5,376	4,182
Feb 2016	4,934	3,819
Mar 2016	4,901	3,703
Apr 2016	4,430	3,225
May 2016	4,586	3,273
Jun 2016	4,988	3,419
Jul 2016	5,685	3,772
Aug 2016	5,587	3,751
Sep 2016	4,648	3,263
Oct 2016	4,647	3,321
Nov 2016	4,638	3,455
Dec 2016	5,301	4,046

	FE_EAST	PLGRP
Jan 2017	5,499	4,259
Feb 2017	4,853	3,736
Mar 2017	5,001	3,760
Apr 2017	4,489	3,249
May 2017	4,677	3,322
Jun 2017	5,077	3,464
Jul 2017	5,749	3,798
Aug 2017	5,672	3,792
Sep 2017	4,712	3,292
Oct 2017	4,730	3,368
Nov 2017	4,719	3,498
Dec 2017	5,359	4,073

Table E-1a

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION 2015-2025

		ESTIMATED 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AE		10,531	10,601	10,711	10,777	10,811	10,818	10,752	10,769	10,807	10,852	10,895	10,912	0.3%
	%		0.7%	1.0%	0.6%	0.3%	0.1%	-0.6%	0.2%	0.3%	0.4%	0.4%	0.2%	
BGE		32,863	33,212	33,607	33,963	34,182	34,368	34,263	34,461	34,775	35,128	35,470	35,838	0.8%
	%		1.1%	1.2%	1.1%	0.6%	0.5%	-0.3%	0.6%	0.9%	1.0%	1.0%	1.0%	
DPL		18,753	19,002	19,239	19,470	19,622	19,726	19,708	19,834	19,986	20,157	20,327	20,514	0.8%
	%		1.3%	1.3%	1.2%	0.8%	0.5%	-0.1%	0.6%	0.8%	0.9%	0.8%	0.9%	
JCPL		23,172	23,492	23,873	24,197	24,420	24,572	24,516	24,682	24,915	25,161	25,363	25,563	0.8%
	%		1.4%	1.6%	1.4%	0.9%	0.6%	-0.2%	0.7%	0.9%	1.0%	0.8%	0.8%	
METED		15,606	15,834	16,135	16,363	16,558	16,708	16,780	16,896	17,092	17,300	17,507	17,665	1.1%
	%		1.5%	1.9%	1.4%	1.2%	0.9%	0.4%	0.7%	1.2%	1.2%	1.2%	0.9%	
PECO		40,910	41,351	41,973	42,504	42,933	43,231	43,286	43,452	43,813	44,192	44,534	44,802	0.8%
	%		1.1%	1.5%	1.3%	1.0%	0.7%	0.1%	0.4%	0.8%	0.9%	0.8%	0.6%	
PENLC		18,057	18,520	19,050	19,436	19,747	19,972	20,158	20,345	20,622	20,902	21,169	21,381	1.4%
	%		2.6%	2.9%	2.0%	1.6%	1.1%	0.9%	0.9%	1.4%	1.4%	1.3%	1.0%	
PEPCO		31,100	31,388	31,763	32,141	32,394	32,593	32,601	32,813	33,121	33,448	33,746	34,084	0.8%
	%		0.9%	1.2%	1.2%	0.8%	0.6%	0.0%	0.6%	0.9%	1.0%	0.9%	1.0%	
PL		40,639	41,088	41,684	42,137	42,491	42,733	42,779	42,911	43,263	43,638	43,965	44,230	0.7%
	%		1.1%	1.5%	1.1%	0.8%	0.6%	0.1%	0.3%	0.8%	0.9%	0.7%	0.6%	
PS		44,118	44,554	45,069	45,459	45,717	45,875	45,762	45,883	46,188	46,519	46,776	47,003	0.5%
	%		1.0%	1.2%	0.9%	0.6%	0.3%	-0.2%	0.3%	0.7%	0.7%	0.6%	0.5%	
RECO		1,512	1,521	1,532	1,537	1,541	1,544	1,543	1,543	1,548	1,554	1,560	1,562	0.3%
	%		0.5%	0.7%	0.3%	0.3%	0.2%	0.0%	0.0%	0.3%	0.4%	0.4%	0.1%	
UGI		1,055	1,071	1,091	1,105	1,115	1,122	1,125	1,131	1,141	1,151	1,161	1,168	0.9%
	%		1.5%	1.9%	1.2%	1.0%	0.6%	0.2%	0.6%	0.9%	0.9%	0.8%	0.6%	
PJM MID-ATLANTIC		278,318	281,632	285,727	289,089	291,531	293,262	293,275	294,721	297,269	300,001	302,472	304,720	0.8%
	%		1.2%	1.5%	1.2%	0.8%	0.6%	0.0%	0.5%	0.9%	0.9%	0.8%	0.7%	
FE/GPU		56,835	57,845	59,058	59,996	60,725	61,252	61,454	61,923	62,629	63,363	64,039	64,608	1.1%
	%		1.8%	2.1%	1.6%	1.2%	0.9%	0.3%	0.8%	1.1%	1.2%	1.1%	0.9%	
PLGRP		41,694	42,159	42,775	43,242	43,606	43,855	43,904	44,042	44,404	44,789	45,126	45,398	0.7%
	%		1.1%	1.5%	1.1%	0.8%	0.6%	0.1%	0.3%	0.8%	0.9%	0.8%	0.6%	

Note: Forecast values based on specification described in Executive Summary
All average growth rates are calculated from the first year of the forecast.

Table E-1a (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION 2026-2030

		2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AE		10,942	10,977	11,033	11,089	11,130	0.3%
	%	0.3%	0.3%	0.5%	0.5%	0.4%	
BGE		36,226	36,656	37,101	37,609	37,981	0.9%
	%	1.1%	1.2%	1.2%	1.4%	1.0%	
DPL		20,693	20,877	21,066	21,291	21,463	0.8%
	%	0.9%	0.9%	0.9%	1.1%	0.8%	
JCPL		25,774	26,002	26,245	26,548	26,778	0.9%
	%	0.8%	0.9%	0.9%	1.2%	0.9%	
METED		17,847	18,040	18,265	18,463	18,647	1.1%
	%	1.0%	1.1%	1.2%	1.1%	1.0%	
PECO		45,106	45,446	45,850	46,230	46,552	0.8%
	%	0.7%	0.8%	0.9%	0.8%	0.7%	
PENLC		21,608	21,847	22,116	22,342	22,564	1.3%
	%	1.1%	1.1%	1.2%	1.0%	1.0%	
PEPCO		34,413	34,769	35,139	35,570	35,874	0.9%
	%	1.0%	1.0%	1.1%	1.2%	0.9%	
PL		44,528	44,865	45,235	45,580	45,859	0.7%
	%	0.7%	0.8%	0.8%	0.8%	0.6%	
PS		47,269	47,565	47,896	48,273	48,526	0.6%
	%	0.6%	0.6%	0.7%	0.8%	0.5%	
RECO		1,566	1,571	1,578	1,582	1,586	0.3%
	%	0.3%	0.3%	0.4%	0.3%	0.2%	
UGI		1,176	1,185	1,196	1,205	1,213	0.8%
	%	0.7%	0.8%	0.9%	0.8%	0.7%	
PJM MID-ATLANTIC		307,149	309,799	312,719	315,783	318,173	0.8%
	%	0.8%	0.9%	0.9%	1.0%	0.8%	
FE/GPU		65,228	65,890	66,626	67,353	67,989	1.1%
	%	1.0%	1.0%	1.1%	1.1%	0.9%	
PLGRP		45,705	46,050	46,430	46,785	47,072	0.7%
	%	0.7%	0.8%	0.8%	0.8%	0.6%	

Note: Forecast values based on specification described in Executive Summary

Table E-1a

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2015-2025

		ESTIMATED 2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Annual Growth Rate (10 yr)
AEP		132,874	133,144	133,604	133,822	134,034	134,077	133,342	133,052	133,477	134,034	134,687	135,082	0.1%
	%		0.2%	0.3%	0.2%	0.2%	0.0%	-0.5%	-0.2%	0.3%	0.4%	0.5%	0.3%	
APS		48,439	48,972	49,509	49,964	50,314	50,620	50,609	50,832	51,228	51,668	52,128	52,525	0.7%
	%		1.1%	1.1%	0.9%	0.7%	0.6%	0.0%	0.4%	0.8%	0.9%	0.9%	0.8%	
ATSI		67,414	67,989	68,783	69,275	69,659	69,867	69,764	69,908	70,375	70,905	71,496	71,887	0.6%
	%		0.9%	1.2%	0.7%	0.6%	0.3%	-0.1%	0.2%	0.7%	0.8%	0.8%	0.5%	
COMED		101,300	102,704	104,477	105,723	106,900	107,823	108,339	109,115	110,358	111,675	113,076	114,182	1.1%
	%		1.4%	1.7%	1.2%	1.1%	0.9%	0.5%	0.7%	1.1%	1.2%	1.3%	1.0%	
DAYTON		17,271	17,566	17,979	18,246	18,458	18,593	18,683	18,773	19,007	19,256	19,527	19,716	1.2%
	%		1.7%	2.3%	1.5%	1.2%	0.7%	0.5%	0.5%	1.2%	1.3%	1.4%	1.0%	
DEOK		26,970	27,202	27,520	27,817	28,034	28,181	28,166	28,302	28,577	28,883	29,177	29,452	0.8%
	%		0.9%	1.2%	1.1%	0.8%	0.5%	-0.1%	0.5%	1.0%	1.1%	1.0%	0.9%	
DLCO		14,816	15,009	15,282	15,427	15,552	15,633	15,698	15,744	15,863	15,984	16,114	16,180	0.8%
	%		1.3%	1.8%	0.9%	0.8%	0.5%	0.4%	0.3%	0.8%	0.8%	0.8%	0.4%	
EKPC		10,748	10,886	11,058	11,212	11,339	11,444	11,579	11,718	11,847	11,972	12,082	12,203	1.1%
	%		1.3%	1.6%	1.4%	1.1%	0.9%	1.2%	1.2%	1.1%	1.1%	0.9%	1.0%	
PJM WESTERN		419,834	423,472	428,213	431,486	434,290	436,238	436,180	437,445	440,733	444,376	448,287	451,227	0.6%
	%		0.9%	1.1%	0.8%	0.6%	0.4%	0.0%	0.3%	0.8%	0.8%	0.9%	0.7%	
DOM		97,085	99,018	101,861	104,063	105,857	107,424	108,908	110,490	112,391	114,280	115,983	117,219	1.7%
	%		2.0%	2.9%	2.2%	1.7%	1.5%	1.4%	1.5%	1.7%	1.7%	1.5%	1.1%	
PJM RTO		795,237	804,122	815,801	824,638	831,678	836,924	838,363	842,656	850,394	858,658	866,743	873,165	0.8%
	%		1.1%	1.5%	1.1%	0.9%	0.6%	0.2%	0.5%	0.9%	1.0%	0.9%	0.7%	

Note: Forecast values based on specification described in Executive Summary
All average growth rates are calculated from the first year of the forecast.

Table E-1a (Continued)

ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO 2026-2030

		2026	2027	2028	2029	2030	Annual Growth Rate (15 yr)
AEP		135,733	136,471	137,440	138,277	138,897	0.3%
	%	0.5%	0.5%	0.7%	0.6%	0.4%	
APS		52,975	53,474	54,036	54,603	55,082	0.8%
	%	0.9%	0.9%	1.1%	1.1%	0.9%	
ATSI		72,425	73,002	73,754	74,402	74,975	0.7%
	%	0.7%	0.8%	1.0%	0.9%	0.8%	
COMED		115,447	116,716	118,181	119,483	120,691	1.1%
	%	1.1%	1.1%	1.3%	1.1%	1.0%	
DAY		19,959	20,226	20,551	20,819	21,077	1.2%
	%	1.2%	1.3%	1.6%	1.3%	1.2%	
DEOK		29,755	30,079	30,435	30,807	31,107	0.9%
	%	1.0%	1.1%	1.2%	1.2%	1.0%	
DLCO		16,281	16,391	16,541	16,643	16,760	0.7%
	%	0.6%	0.7%	0.9%	0.6%	0.7%	
EKPC		12,316	12,429	12,540	12,667	12,794	1.1%
	%	0.9%	0.9%	0.9%	1.0%	1.0%	
PJM WESTERN		454,892	458,788	463,478	467,702	471,383	0.7%
	%	0.8%	0.9%	1.0%	0.9%	0.8%	
DOM		118,586	120,006	121,623	123,048	124,524	1.5%
	%	1.2%	1.2%	1.3%	1.2%	1.2%	
PJM RTO		880,627	888,593	897,820	906,532	914,080	0.9%
	%	0.9%	0.9%	1.0%	1.0%	0.8%	

Note: Forecast values based on specification described in Executive Summary

Table E-2a

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

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	PJM MID-ATLANTIC
Jan 2015	902	3,091	1,769	2,026	1,445	3,680	1,694	2,818	3,906	3,747	124	106	25,307
Feb 2015	796	2,710	1,552	1,795	1,299	3,271	1,537	2,485	3,497	3,345	109	94	22,489
Mar 2015	796	2,664	1,512	1,823	1,317	3,327	1,577	2,468	3,519	3,478	115	92	22,689
Apr 2015	734	2,372	1,344	1,658	1,184	3,020	1,433	2,237	3,073	3,194	106	79	20,434
May 2015	790	2,488	1,412	1,783	1,211	3,162	1,447	2,414	3,095	3,471	120	78	21,471
Jun 2015	953	2,892	1,629	2,119	1,335	3,602	1,487	2,796	3,330	4,056	143	84	24,426
Jul 2015	1,174	3,256	1,908	2,481	1,453	4,075	1,592	3,177	3,642	4,606	163	94	27,620
Aug 2015	1,132	3,191	1,856	2,379	1,443	3,948	1,599	3,087	3,624	4,477	157	92	26,983
Sep 2015	883	2,674	1,516	1,915	1,254	3,349	1,469	2,576	3,185	3,724	131	80	22,756
Oct 2015	786	2,455	1,410	1,763	1,239	3,178	1,509	2,329	3,179	3,420	118	82	21,467
Nov 2015	775	2,507	1,438	1,755	1,248	3,174	1,512	2,335	3,274	3,344	112	87	21,562
Dec 2015	880	2,914	1,656	1,995	1,405	3,564	1,664	2,667	3,765	3,690	124	103	24,426

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2016	910	3,116	1,785	2,056	1,467	3,725	1,737	2,843	3,947	3,787	125	107	25,606
Feb 2016	827	2,821	1,597	1,860	1,360	3,392	1,611	2,579	3,614	3,472	112	97	23,343
Mar 2016	808	2,693	1,533	1,857	1,339	3,366	1,618	2,493	3,551	3,514	116	94	22,981
Apr 2016	743	2,403	1,364	1,690	1,207	3,068	1,476	2,267	3,120	3,237	107	81	20,764
May 2016	798	2,518	1,432	1,816	1,235	3,211	1,491	2,443	3,144	3,512	121	80	21,801
Jun 2016	961	2,920	1,648	2,150	1,359	3,650	1,531	2,822	3,379	4,094	144	86	24,744
Jul 2016	1,180	3,279	1,924	2,507	1,475	4,120	1,633	3,198	3,687	4,634	163	95	27,895
Aug 2016	1,138	3,214	1,872	2,405	1,465	3,993	1,641	3,108	3,669	4,506	157	94	27,263
Sep 2016	891	2,702	1,535	1,945	1,276	3,396	1,511	2,603	3,231	3,759	131	82	23,062
Oct 2016	792	2,478	1,427	1,788	1,259	3,222	1,547	2,355	3,219	3,452	119	83	21,742
Nov 2016	777	2,530	1,452	1,779	1,269	3,226	1,554	2,363	3,325	3,381	113	88	21,857
Dec 2016	885	2,932	1,670	2,019	1,424	3,603	1,701	2,689	3,798	3,718	124	104	24,667

	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2017	918	3,155	1,807	2,088	1,489	3,774	1,774	2,882	3,990	3,831	126	108	25,944
Feb 2017	813	2,779	1,593	1,859	1,345	3,370	1,618	2,553	3,586	3,433	111	97	23,156
Mar 2017	816	2,734	1,556	1,890	1,362	3,420	1,656	2,535	3,600	3,562	116	95	23,344
Apr 2017	751	2,443	1,388	1,721	1,231	3,121	1,512	2,308	3,166	3,281	107	82	21,112
May 2017	807	2,559	1,456	1,848	1,259	3,265	1,527	2,483	3,192	3,555	122	81	22,155
Jun 2017	970	2,957	1,670	2,182	1,382	3,704	1,568	2,859	3,427	4,135	144	87	25,086
Jul 2017	1,187	3,311	1,943	2,535	1,497	4,170	1,667	3,229	3,731	4,668	164	97	28,200
Aug 2017	1,145	3,247	1,892	2,434	1,487	4,043	1,675	3,140	3,714	4,541	158	95	27,570
Sep 2017	898	2,738	1,556	1,974	1,299	3,447	1,545	2,639	3,276	3,797	132	83	23,385
Oct 2017	799	2,513	1,448	1,816	1,280	3,270	1,579	2,391	3,260	3,488	119	84	22,047
Nov 2017	783	2,563	1,472	1,806	1,289	3,270	1,584	2,398	3,361	3,415	113	89	22,145
Dec 2017	890	2,963	1,689	2,044	1,443	3,647	1,731	2,722	3,833	3,752	125	105	24,944

Note: Forecast values based on specification described in Executive Summary

Table E-2a

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	PJM WESTERN	DOM	PJM RTO
Jan 2015	12,503	4,670	6,063	8,932	1,581	2,421	1,299	1,140	38,609	9,166	73,082
Feb 2015	11,116	4,164	5,480	7,989	1,395	2,143	1,164	970	34,421	8,080	64,990
Mar 2015	11,207	4,146	5,640	8,153	1,432	2,161	1,211	888	34,837	7,865	65,391
Apr 2015	9,981	3,681	5,158	7,569	1,295	1,975	1,122	761	31,543	7,121	59,098
May 2015	10,190	3,745	5,302	7,913	1,343	2,106	1,183	776	32,557	7,546	61,574
Jun 2015	11,048	3,983	5,773	8,933	1,513	2,413	1,307	874	35,844	8,541	68,811
Jul 2015	11,796	4,291	6,257	10,144	1,677	2,646	1,440	964	39,216	9,478	76,314
Aug 2015	11,842	4,316	6,252	9,941	1,658	2,625	1,426	958	39,019	9,391	75,393
Sep 2015	10,448	3,785	5,457	8,356	1,407	2,204	1,232	809	33,697	7,912	64,366
Oct 2015	10,403	3,795	5,377	7,971	1,366	2,085	1,177	790	32,965	7,484	61,916
Nov 2015	10,627	3,925	5,347	7,968	1,370	2,093	1,169	883	33,383	7,635	62,579
Dec 2015	11,986	4,471	5,881	8,832	1,529	2,330	1,279	1,074	37,383	8,800	70,609

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2016	12,493	4,702	6,112	9,054	1,609	2,440	1,320	1,154	38,885	9,360	73,850
Feb 2016	11,519	4,325	5,739	8,381	1,490	2,226	1,225	978	35,883	8,446	67,672
Mar 2016	11,185	4,177	5,692	8,280	1,456	2,177	1,231	911	35,110	8,071	66,162
Apr 2016	9,994	3,720	5,212	7,705	1,326	1,999	1,143	783	31,882	7,327	59,972
May 2016	10,206	3,784	5,356	8,050	1,374	2,129	1,204	796	32,900	7,752	62,453
Jun 2016	11,066	4,022	5,829	9,071	1,544	2,437	1,327	891	36,187	8,793	69,723
Jul 2016	11,808	4,325	6,307	10,270	1,706	2,668	1,458	977	39,520	9,716	77,131
Aug 2016	11,854	4,350	6,302	10,068	1,688	2,647	1,444	969	39,323	9,630	76,216
Sep 2016	10,462	3,822	5,509	8,488	1,436	2,227	1,252	819	34,015	8,159	65,237
Oct 2016	10,404	3,827	5,420	8,088	1,393	2,105	1,195	799	33,230	7,721	62,692
Nov 2016	10,648	3,959	5,388	8,082	1,402	2,117	1,188	893	33,679	7,863	63,399
Dec 2016	11,968	4,496	5,917	8,938	1,553	2,347	1,295	1,087	37,602	9,024	71,293

	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2017	12,535	4,750	6,172	9,182	1,638	2,469	1,337	1,168	39,249	9,583	74,776
Feb 2017	11,166	4,250	5,595	8,248	1,454	2,195	1,203	1,000	35,111	8,501	66,769
Mar 2017	11,244	4,229	5,756	8,414	1,487	2,210	1,249	921	35,510	8,302	67,156
Apr 2017	10,053	3,771	5,274	7,836	1,355	2,031	1,159	793	32,272	7,551	60,935
May 2017	10,270	3,837	5,420	8,182	1,404	2,162	1,220	808	33,304	7,979	63,438
Jun 2017	11,127	4,073	5,892	9,200	1,574	2,469	1,343	903	36,581	8,981	70,648
Jul 2017	11,862	4,372	6,363	10,388	1,734	2,697	1,472	990	39,879	9,889	77,968
Aug 2017	11,908	4,398	6,359	10,188	1,715	2,677	1,458	983	39,686	9,803	77,059
Sep 2017	10,520	3,871	5,567	8,616	1,464	2,257	1,267	834	34,396	8,342	66,122
Oct 2017	10,454	3,874	5,473	8,212	1,418	2,134	1,208	812	33,585	7,901	63,533
Nov 2017	10,685	4,003	5,439	8,202	1,426	2,143	1,201	905	34,004	8,039	64,188
Dec 2017	12,001	4,537	5,964	9,052	1,577	2,372	1,308	1,097	37,910	9,193	72,046

Note: Forecast values based on specification described in Executive Summary

Table E-3a

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

	FE-EAST	PLGRP
Jan 2015	5,165	4,012
Feb 2015	4,631	3,591
Mar 2015	4,717	3,612
Apr 2015	4,274	3,152
May 2015	4,442	3,173
Jun 2015	4,942	3,414
Jul 2015	5,526	3,736
Aug 2015	5,421	3,716
Sep 2015	4,638	3,265
Oct 2015	4,510	3,261
Nov 2015	4,515	3,362
Dec 2015	5,064	3,868

	FE-EAST	PLGRP
Jan 2016	5,260	4,054
Feb 2016	4,832	3,711
Mar 2016	4,813	3,645
Apr 2016	4,373	3,201
May 2016	4,541	3,224
Jun 2016	5,040	3,464
Jul 2016	5,616	3,782
Aug 2016	5,511	3,763
Sep 2016	4,732	3,313
Oct 2016	4,595	3,302
Nov 2016	4,601	3,414
Dec 2016	5,143	3,902

	FE-EAST	PLGRP
Jan 2017	5,351	4,099
Feb 2017	4,823	3,682
Mar 2017	4,908	3,696
Apr 2017	4,464	3,249
May 2017	4,634	3,274
Jun 2017	5,132	3,514
Jul 2017	5,700	3,828
Aug 2017	5,595	3,809
Sep 2017	4,818	3,360
Oct 2017	4,674	3,344
Nov 2017	4,678	3,451
Dec 2017	5,218	3,939

Note: FE-EAST contains JCPL, METED, and PENLC zones; PLGRP contains PL and UGI zones.
Note: Forecast values based on specification described in Executive Summary

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	88,992			141,321	Friday, July 30, 1999	17:00
2000	90,984			131,803	Wednesday, August 9, 2000	17:00
2001	92,064			150,929	Thursday, August 9, 2001	16:00
2002	92,661			150,830	Thursday, August 1, 2002	17:00
2003	93,576			145,233	Thursday, August 21, 2003	17:00
2004	94,997			139,219	Tuesday, August 3, 2004	17:00
2005	95,670	56,590	152,260	155,209	Tuesday, July 26, 2005	16:00
2006	95,228	58,652	153,880	166,866	Wednesday, August 2, 2006	17:00
2007	96,618	59,302	155,920	161,988	Wednesday, August 8, 2007	16:00
2008	96,904	59,526	156,430	150,560	Monday, June 9, 2008	17:00
2009	94,438	58,352	152,790	145,056	Monday, August 10, 2009	16:00
2010	92,994	60,666	153,660	157,188	Wednesday, July 7, 2010	17:00
2011	93,265	60,255	153,520	165,466	Thursday, July 21, 2011	17:00
2012	92,960	61,275	154,235	158,128	Tuesday, July 17, 2012	18:00
2013	92,414	62,771	155,185	159,039	Thursday, July 18, 2013	17:00
2014	91,727	64,413	156,140	141,402	Tuesday, June 17, 2014	18:00

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	87,604			116,078	Tuesday, January 5, 1999	19:00
99/00	89,317			118,438	Thursday, January 27, 2000	20:00
00/01	91,279			118,051	Wednesday, December 20, 2000	19:00
01/02	92,270			112,221	Wednesday, January 2, 2002	19:00
02/03	92,491			129,972	Thursday, January 23, 2003	19:00
03/04	93,706			122,357	Friday, January 23, 2004	9:00
04/05	94,378	32,512	126,890	131,164	Monday, December 20, 2004	19:00
05/06	94,699	32,951	127,650	126,703	Wednesday, December 14, 2005	19:00
06/07	96,184	33,466	129,650	136,739	Monday, February 5, 2007	20:00
07/08	97,276	33,294	130,570	128,313	Wednesday, January 2, 2008	19:00
08/09	96,410	32,300	128,710	134,021	Friday, January 16, 2009	19:00
09/10	93,524	35,516	129,040	125,276	Monday, January 4, 2010	19:00
10/11	91,868	38,212	130,080	132,228	Tuesday, December 14, 2010	19:00
11/12	92,248	38,132	130,380	124,420	Tuesday, January 3, 2012	19:00
12/13	92,036	38,804	130,840	128,724	Tuesday, January 22, 2013	19:00
13/14	91,082	39,743	130,825	141,746	Tuesday, January 7, 2014	19:00

Notes:
Normalized values for 2005 - 2014 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-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-2

PJM RTO HISTORICAL NET ENERGY
(GWH)

YEAR	ENERGY	GROWTH RATE
1998	718,551	0.0%
1999	740,052	3.0%
2000	756,244	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%

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

Table G-1

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

	5-Year (2015-20)	10-Year (2015-25)	15-Year (2015-30)
AE	0.9%	0.7%	0.7%
BGE	1.6%	1.4%	1.4%
DPL	1.6%	1.3%	1.2%
JCPL	1.2%	1.1%	1.0%
METED	1.5%	1.4%	1.3%
PECO	1.5%	1.2%	1.1%
PENLC	1.4%	1.2%	1.1%
PEPCO	1.5%	1.3%	1.2%
PL	1.3%	1.1%	1.1%
PS	1.2%	1.0%	1.0%
RECO	1.0%	0.8%	0.8%
UGI	1.0%	0.8%	0.8%
AEP	1.4%	1.2%	1.2%
APS	1.7%	1.5%	1.5%
ATSI	1.3%	1.1%	1.1%
COMED	1.5%	1.4%	1.3%
DAYTON	1.1%	1.0%	1.0%
DEOK	1.5%	1.3%	1.3%
DLCO	1.2%	1.0%	1.0%
EKPC	1.5%	1.4%	1.3%
DOM	1.4%	1.2%	1.2%
PJM RTO	1.4%	1.2%	1.2%

Source: Moody's Analytics, October, 2014

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.

OCCEX No. 5

2022 Calendar

744 January 744

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

672 February 1,416

Su	Mo	Tu	We	Th	Fr	Sa
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	1	2	3	4	5

744 March 2,160

Su	Mo	Tu	We	Th	Fr	Sa
27	28	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2

720 April 2880

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

744 May 3,624

Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

720 June 4,344

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	1	2

744 July 5088

Su	Mo	Tu	We	Th	Fr	Sa
26	27	28	29	30	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

744 August 5832

Su	Mo	Tu	We	Th	Fr	Sa
31	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

720 September 6552

Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1

744 October 7,296

Su	Mo	Tu	We	Th	Fr	Sa
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

720 November 8016

Su	Mo	Tu	We	Th	Fr	Sa
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3

744 December 8760

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

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EXHIBIT
OCC 5
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