



RECEIVED

JAN 03 2014

PUBLIC SERVICE
COMMISSION

January 2, 2014

Via Personal Delivery

Mr. Jeff Derouen, Executive Director
Case No. 2013-00259
Kentucky Public Service Commission
211 Sower Blvd.
Frankfort, KY 40601

Re: Case No. 2013-00259 Sonia McElroy and Sierra Club's Second Supplemental Response to Commission Staff's Information Requests to Sonia McElroy and Sierra Club

Dear Mr. Derouen,

Enclosed, please find one (1) original and ten (10) copies of Sonia McElroy and Sierra Club's Second Supplemental Response to Commission Staff's Information Requests to Sonia McElroy and Sierra Club, for filing in the above-referenced matter. By copy of this letter, all parties listed on the Certificate of Service have been served via USPS. Please place this document on file.

Sincerely,

Kristin A. Henry
Senior Attorney
Sierra Club
85 Second Street
San Francisco, CA 94105
Phone: (415) 977-5716
kristin.henry@sierraclub.org

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

AN APPLICATION OF EAST KENTUCKY)	
POWER COOPERATIVE, INC. FOR A)	
CERTIFICATE OF PUBLIC CONVENIENCE)	
AND NECESSITY FOR ALTERATION OF)	CASE NO. 2013-00259
CERTAIN EQUIPMENT AT THE COOPER)	
STATION AND APPROVAL OF A COMPLIANCE)	
PLAN AMENDMENT FOR ENVIRONMENTAL)	
SURCHARGE COST RECOVERY)	

**SONIA MCELROY AND SIERRA CLUB’S SECOND SUPPLEMENTAL RESPONSE
TO COMMISSION STAFF’S INFORMATION
REQUESTS TO SONIA MCELROY AND SIERRA CLUB**

Intervenors Sonia McElroy and Sierra Club (collectively “Environmental Intervenors”) hereby submit their supplemental response to Commission Staff’s Information Requests. On December 18, 2013, Intervenors filed their initial responses to Staff’s initial information requests. After filing the responses, Intervenors became aware of an additional document responsive to Staff’s initial request 7. Accordingly, on December 27, Intervenors supplemented their response to include the 2013 PJM load forecast. PJM has now released its 2014 load forecast, so Intervenors further supplement their response to Staff’s initial request as follows.

KPSC Case No. 2013-00259
SC Second Supplemental Response to Staff Requests
Item No. 7
Respondent: Jeffrey Loiter

Request No. 7: Refer to page 15 of the Loiter Testimony wherein it discusses the benefits to demand-side management ("DSM") beyond the cost savings as compared to supply-side resources. If EKPC were to opt for DSM expansion instead of retrofitting Cooper unit 1, what risks would it encounter if the projected DSM savings were not achieved?

Second Supplemental Response to Request No. 7: In evaluating the risk that would occur if the projected savings did not materialize, I originally relied in part on the peak demand and energy forecasts provided by EKPC in its 2012 IRP and in response to Sierra Club's initial requests 24 and 48. Since providing my original answer, I have become aware of the attached exhibit, JML-Supp.-2, prepared by the PJM Resource Adequacy Planning Department and entitled "PJM Load Forecast Report." The PJM load forecast appears to project significantly lower growth in both summer and winter peak demand and in forecast energy requirements from 2014-2023 than EKPC projects. This can be seen by comparing the forecasts on pages 48-49, 52-53, and 86-87 of the PJM forecast to the forecasts provided by EKPC in Table 8.(4)(a) and Table 8.(4)(b)1-4 of the 2012 IRP and in response to Intervenors' initial information requests 24(e) and 48. Note that page 38 of PJM's 2014 forecast predicts lower summer and winter peak demand than the 2013 forecast.

If the PJM forecast is more accurate, then EKPC would face even lower peak demand and energy requirements than it has been projecting for use in this case. This would in turn reduce the risk of not achieving savings from DSM programs, since the company would have a lower peak demand for which to plan.

Respectfully submitted,



Joe Childers, Esq.
Joe F. Childers & Associates
300 Lexington Building
201 West Short Street
Lexington, Kentucky 40507
859-253-9824
859-258-9288 (facsimile)

Of counsel:

Shannon Fisk
Managing Attorney
Earthjustice
1617 John F. Kennedy Blvd.
Suite 1675
Philadelphia, PA 19103
(215) 717-4522
sfisk@earthjustice.org

Kristin Henry
Senior Staff Attorney
Sierra Club
85 Second Street
San Francisco, CA 94105
Phone: (415)977-5716
Fax: (415) 977-5793
kristin.henry@sierraclub.org

Matthew Gerhart
Senior Associate Attorney
Earthjustice
705 Second Avenue, Suite 203
Seattle, WA 98104
mgerhart@earthjustice.org

Dated: January 2, 2014

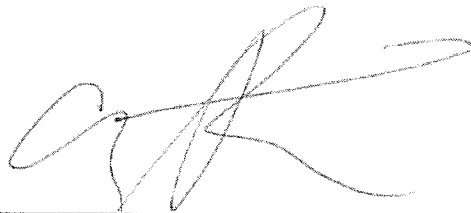
CERTIFICATE OF SERVICE

I certify that I had filed with the Commission and served via U.S. Mail and electronic mail the foregoing Supplemental Requests for Information to East Kentucky Power Cooperative on December 6, 2013 to the following:

Mark David Goss
Goss Samford, PLLC
2365 Harrodsburg Road, Suite B325
Lexington, KY 40504

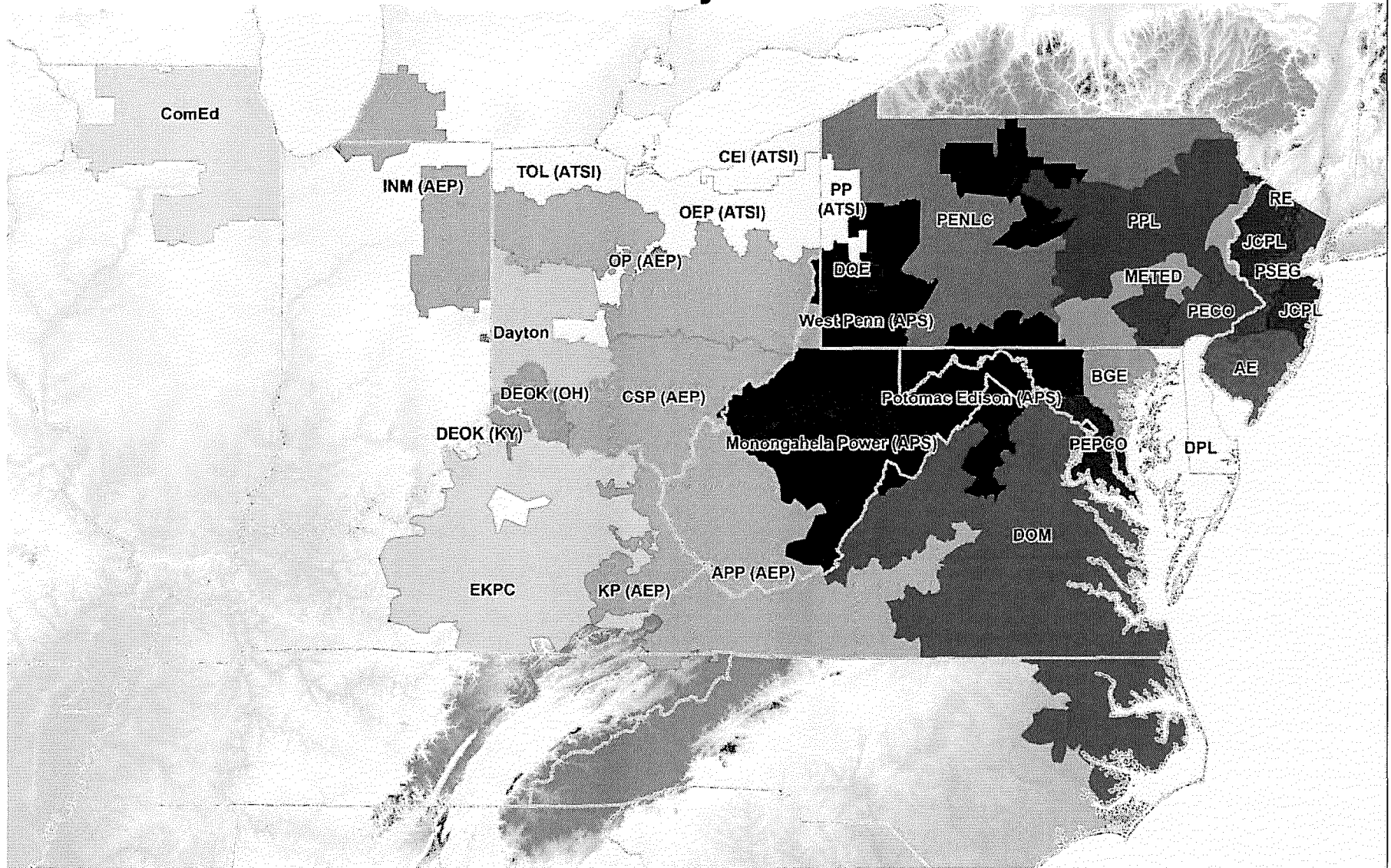
Patrick Woods
East Kentucky Power Cooperative, Inc.
4775 Lexington Road
P. O. Box 707
Winchester, KY 40392-0707

Michael L. Kurtz
Kurt J. Boehm
Boehm, Kurtz & Lowry
36 East Seventh Street, Suite 1510
Cincinnati, OH 45202



Anthony Raduazo

PJM Load Forecast Report January 2014



Prepared by PJM Resource Adequacy Planning Department

TABLE OF CONTENTS

	TABLE NUMBER	CHART PAGE	TABLE PAGE
EXECUTIVE SUMMARY			1
ECONOMIC FORECAST SUMMARY			4
FORECAST COMPARISON:			
Each Zone and PJM RTO – Comparison to Prior Summer Peak Forecasts	A-1		42
Each Zone and PJM RTO – Comparison to Prior Winter Peak Forecasts	A-2		44
PEAK LOAD FORECAST AND ANNUAL GROWTH RATES:			
Summer Peak Forecasts and Growth Rates of each Zone, Geographic Region and PJM RTO	B-1	14, 16-41	46
Winter Peak Forecasts and Growth Rates of each Zone, Geographic Region and PJM RTO	B-2	15, 16-41	50
Spring Peak Forecasts of each Zone, Geographic Region and PJM RTO	B-3		54
Fall Peak Forecasts of each Zone, Geographic Region and PJM RTO	B-4		56
Monthly Peak Forecasts of each Zone, Geographic Region and PJM RTO	B-5		58
Monthly Peak Forecasts of FE/GPU and PLGrp	B-6		60
Load Management Placed Under PJM Coordination by Zone, used in Planning	B-7		61
Energy Efficiency Programs used in Planning	B-8		65
Adjustments to Summer Peak Forecasts	B-9		69
Summer Coincident Peak Load Forecasts of each Zone, Locational Deliverability Area and PJM RTO (RPM Forecast)	B-10		70
Seasonal Unrestricted PJM Control Area Peak Forecasts of each NERC Region	B-11,B-12		71

	TABLE NUMBER	CHART PAGE	TABLE PAGE
LOCATIONAL DELIVERABILITY AREA			
SEASONAL PEAKS:			
Central Mid-Atlantic: BGE, MetEd, PEPCO, PL and UGI Seasonal Peaks	C-1		75
Western Mid-Atlantic: MetEd, PENLC, PL and UGI Seasonal Peaks	C-2		76
Eastern Mid-Atlantic: AE, DPL, JCPL, PECO, PS and RECO Seasonal Peaks	C-3		77
Southern Mid-Atlantic: BGE and PEPCO Seasonal Peaks	C-4		78
Mid-Atlantic and APS: AE, APS, BGE, DPL, JCPL, MetEd, PECO, PENLC, PEPCO, PS, RECO and UGI Seasonal Peaks	C-5		79
EXTREME WEATHER (90/10) PEAK LOAD FORECASTS:			
Summer 90/10 Peak Forecasts of each Zone, Geographic Region and PJM RTO	D-1		80
Winter 90/10 Peak Forecasts of each Zone, Geographic Region and PJM RTO	D-2		82
NET ENERGY FORECAST AND ANNUAL GROWTH RATES:			
Annual Net Energy Forecasts of each Zone, Geographic Region and PJM RTO	E-1		84
Monthly Net Energy Forecasts of each Zone, Geographic Region and PJM RTO	E-2		88
Monthly Net Energy Forecasts of FE/GPU and PLGrp	E-3		90
ALTERNATIVE NET ENERGY FORECAST:			
Annual Net Energy Forecasts of each Zone, Geographic Region and PJM RTO	E-1a		91
Monthly Net Energy Forecasts of each Zone, Geographic Region and PJM RTO	E-2a		95
Monthly Net Energy Forecasts of FE/GPU and PLGrp	E-3a		97

	TABLE NUMBER	CHART PAGE	TABLE PAGE
PJM HISTORICAL DATA:			
Historical RTO Summer and Winter Peaks	F-1		98
Historical RTO Net Energy	F-2		99
ECONOMIC GROWTH:			
Average Economic Growth of each Zone and RTO	G-1		100

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 on 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

2014 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.
- Included in the report is a second set of E-Tables (net energy), representing an alternate derivation of the forecast using trended RTO monthly load factors.
- All load models were estimated with historical data from January 1998 through August 2013. The models were simulated with weather data from years 1974 through 2012, generating 507 scenarios. The economic forecast used was Moody's Analytics' November 2013 release.
- Revisions to historical economic data and the addition of another year of load experience to the model resulted in generally lower peak and energy forecasts in this year's report, compared to the same year in last year's report. See the Moody's Analytics summary report on economic assumptions on Page 4 for more detail on the economic data revisions and outlook.
- The forecasts of the following zones have been adjusted to account for large, unanticipated load changes (see Table B-9 for details):
 - AEP: the loss of an aluminum smelter decreases the summer peak by 370 MW in all years;
 - APS: rapid expansion of load to serve hydraulic fracturing facilities adds 80-120 MW to the summer peak;
 - BGE: an undisclosed project currently under construction adds 120-315 MW to the summer peak;
 - DOM: substantial on-going growth in data center construction adds 288-896 MW to the summer peak.
- The PJM RTO weather normalized summer peak for 2013 was 155,185 MW. The projection for the 2014 PJM RTO summer peak is 157,399 MW, an increase of 2,214 MW, or 1.4%, from the 2013 normalized peak.
- 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 173,852 MW in 2024, a 10-year increase of 16,453 MW, and

Summary Table

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

	METERED 2013	UNRESTRICTED 2013	NORMAL 2013		THIS YEAR 2014	RPM YEAR 2017	RTEP YEAR 2019
PJM RTO	157,141	159,369	155,185		157,399	164,434	167,064
				Growth Rate	1.4%		
Demand Resources + Energy Efficiency PJM RTO - Restricted					-14,964	-13,320	-13,320
					142,435	151,114	153,744
PJM MID-ATLANTIC	59,119	59,580	59,505		60,451	62,875	63,821
				Growth Rate	1.6%		
Demand Resources + Energy Efficiency MID-ATL - Restricted					-7,187	-5,378	-5,378
					53,264	57,497	58,443
EASTERN MID-ATLANTIC	32,519	32,581	32,550		32,941	34,165	34,599
				Growth Rate	1.2%		
Demand Resources + Energy Efficiency EMAAC - Restricted					-2,837	-1,968	-1,968
					30,104	32,197	32,631
SOUTHERN MID-ATLANTIC	13,343	13,571	13,990		14,228	14,772	14,927
				Growth Rate	1.7%		
Demand Resources + Energy Efficiency SWMAAC - Restricted					-2,256	-1,699	-1,699
					11,972	13,073	13,228

Note:

Normal 2013 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, 2013.

December 2013

Bradley Turner, 610-235-5235

Summary of the November 2013 U.S. Macro Forecast

The November U.S. macro forecast was completed as the economy demonstrated resilience to unprecedented fiscal drag. Real GDP growth was tracking at a 1.9% annualized rate in the third quarter, the same as this time last year. The economy was slowing then, but is accelerating now: Output gains averaged just 1.5% through the third quarter in 2013, not including the second revision to third-quarter GDP in December. Job growth also points to an improving labor market, with payroll increases accelerating to an average of 191,000 jobs in the 12 months through November from 183,000 in 2012. As a result, the unemployment rate steadily declined to 7% in November. Slack in the labor market, including high unemployment and low participation, are still suppressing wage increases, however. Weak spending growth in 2012 is accelerating along with the labor market; the 2.1% year-over-year gain in real spending in October was the best reading of the year. The upward trajectory of the economy led the Federal Reserve to announce that it will begin to reduce bond-buying in January.

The pace of growth is solid given that the year has been characterized by the most intense fiscal austerity since the U.S. demobilized after World War II. The economic drag from fiscal policy clipped 1.5 percentage points off GDP in 2013. The year started in the wake of a divisive budget and policy negotiation that raised taxes and failed to avert sequestration, the more than \$1.2 trillion in across-the-board spending cuts over 10 years, or raise the nearing debt ceiling. Tax hikes included higher marginal rates on taxpayers making more than \$450,000 annually on a joint basis; limits on tax deductions and credits taken by taxpayers making more than \$250,000; the expiration of the payroll tax holiday; and somewhat higher capital gains, dividend income, and estate taxes. Higher taxes improved the medium-term budget outlook, but weighed on consumer spending in the first quarter, when GDP grew just 1.3%.

The first phase of budget sequestration went into effect in March, leading the federal government to lay off more workers: Federal employment contracted an average 2.6% per month between March and November, after falling an average 1.5% per month in the previous 12 months. This occurred even though federal agencies were able to mitigate the impact with one-off adjustments to their budgets such as temporary furloughs or zeroing-out unobligated funds that were authorized but not spent. The Defense Department and other federal agencies furloughed civilian employees for six days in July and August, less than initially expected, but still depleting income growth in the third quarter.

Strife over the Treasury debt ceiling also created economic drag. Congress failed to act on the debt ceiling in January, after the Treasury had already begun extraordinary measures to finance the government. The president suspended the ceiling through May, when a second wave of brinkmanship came to a head in October's 15-day government shutdown. The shutdown idled 400,000 federal employees, plus contractors, and disrupted trade, investment and housing. In mid-October, Congress refunded the government but delayed dealing with the budget and debt ceiling. A two-year budget accord was reached in December, but the debt ceiling will have to be raised in early 2014. Therefore, the perceived threat of government default will loom over consumers and businesses for longer. Budget and policy battles dominated the media for much of the year, continually hurting consumer and business confidence.

The psychological damage created by brinkmanship in Washington impedes risk-taking and expansion. Businesses are more reluctant to invest and hire, and entrepreneurs less likely to attempt startups. Financial institutions are cautious about lending and households are more restrained in spending. These factors contributed to lackluster consumer spending growth, which fell to 1.9% in the first three quarters of 2013 from 2.2% in 2012.

Fiscal drag affected private sector job and income growth less than expected in 2013, however, leading the U.S. economy to exceed expectations on those measures. Final numbers for 2013 are not yet available, but real GDP for the year will come in around 1.8%, according to the November forecast, down slightly from the expected 2% in the December 2012 forecast. Employment gains will finish the year at 1.65%, ahead of expectations for a 1.3% rate of growth. Manufacturing employment, up 0.4%, and nonmanufacturing employment, up 1.4%, beat expectations. Real personal income growth will finish the year at a modest 1.7%, beating expectations of 1.2% growth.

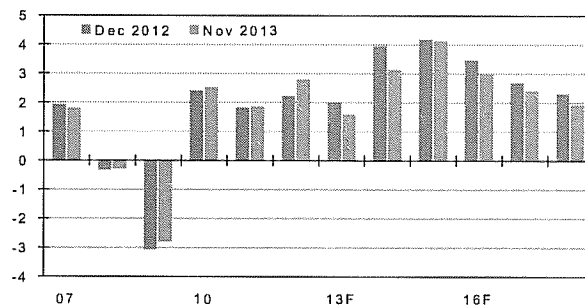
The economy is poised for a promising start to 2014. After a year of gridlock, the government's budget accord in December sets spending levels for fiscal years 2014 and 2015 and replaces \$65 billion in spending cuts with \$85 billion in other savings spread out over the next 10 years. It also extends planned sequestration cuts by two years through 2023, reducing austerity in exchange for more austerity later. The compromise legislation thus essentially eliminates the drag from sequestration on the U.S. economy for two years, bringing the total drag on GDP growth down to 0.4 percentage point in 2014. In addition, because the deal forms the basis of a budget resolution for this fiscal year and next, it reduces the likelihood of another disruptive government shutdown for the foreseeable future.

Consumers responded positively to the news. While lower-income households remained more cautious, rising stock and house prices buoyed wealth and confidence in higher-income households. Investors are especially upbeat, with stock prices continuing to hit record highs. Businesses are also getting their confidence back, according to the Moody's Analytics weekly survey, which recorded a higher ratio of positive to negative responses than at any time since early 2005.

The principal weight on growth next year will be the expiration of the emergency unemployment insurance program, which will slow GDP growth by 0.15 percentage point. Still, if confidence is sustained and the private sector economy keeps doing what it did in 2013, GDP will rise nearly 3% in 2014 and 4% in 2015.

Political Uncertainty Weighs on Growth in 2013

U.S. real GDP growth, % change



Sources: BEA, Moody's Analytics

Near-Term Outlook and Changes to the Forecast

Between August and December, Moody's Analytics made several changes to the near- and long-term forecasts. In August, new population projections from the Census Bureau were adopted, and then adapted to reflect the Moody's Analytics assumptions about the trajectory of the economic growth in the baseline forecast. The new projections assume weaker international migration and as a result, a slower rate of natural increase in the population. Because population is a fundamental driver of growth, the changes affect many variables in the model. Specifically, the forecast now calls for average population growth of 0.81% between 2013 and 2028, while the December 2012 forecast expected average population gains of 0.94%. This results in about 3 million fewer U.S. residents by 2018, 5 million fewer by 2023, and 7.6 million fewer by 2028. Compared with the late 2012 forecast, the nation is expected to have 1 million fewer households in 2019 and about 2 million fewer in 2028.

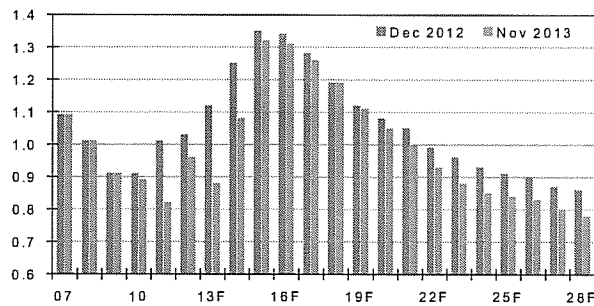
In August, comprehensive U.S. National Income and Product Accounts revisions from the Bureau of Economic Analysis were also adopted. These redefine and reclass the accounts to keep them in line with changes in the economy and international reporting conventions. Nominal GDP was raised by 3.6%, or \$560 billion, in 2012. This was mainly a result of definitional changes, such as redefining R&D and artistic production as investment. In the past, these were not classified as investments because of concerns about measurement issues. Similarly, some real estate ownership transfer costs were shifted to investment and pension income is now counted as earned by workers as they work rather than when their

employer puts money in the pension account. This effectively raised income and GDP by the unfunded pension liability of employers. Definitional changes boosted GDP but had little impact on the forecast or patterns of growth, as they are fairly stable over time as a percentage of GDP.

In late September, the BEA released state-level personal income for the second quarter and revised history to incorporate the comprehensive benchmark revisions. History from 2000 onward was revised, and this shifted the near-term forecast as a result. The revisions show that real personal income held up better during the recession and recovered more robustly in the last three years. Over the near term, the income forecast is marginally weaker, especially in nonwage components of income, while in the out years it is significantly weaker. This is largely owing to the new, more subdued population projections, however.

Household Formation to Accelerate Strongly

U.S. household growth, % change

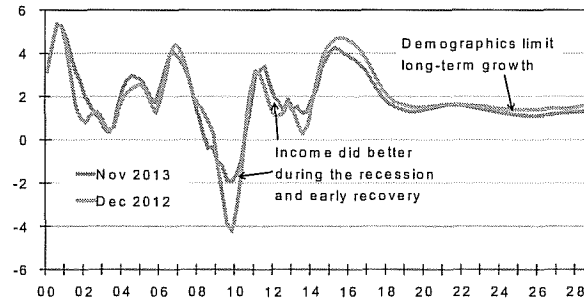


Sources: Census Bureau, Moody's Analytics

Basically unchanged from last year, household formation and home-related economic activity will accelerate over the near term. As the recovery matures and migration into the U.S. and between regions rebounds, household formation will return to a pace consistent with long-run demographics. In particular, the young who delayed forming households because of the weak labor market will do so. Moreover, the young-adult population will expand as more of the echo-boom generation enters adulthood. Finally, the recession put a damper on net immigration, but growth in the foreign-born population is still expected to pick up as the U.S. economy improves relative to others. Rising interest rates dampened housing activity in late 2013 but have not affected the outlook. As fundamentals solidify in 2014, housing construction and price appreciation will also reaccelerate.

Income Beat Expectations in Early Recovery

Real personal income by forecast, % change yr ago, 3-mo MA



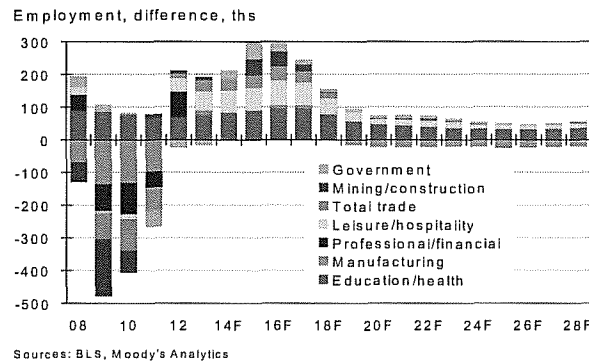
Sources: BEA, Moody's Analytics

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 also one of the few industries to add jobs during the recession. Healthcare hiring has held up well in PJM's service territory, despite growing pains associated with the Affordable Care Act, a trend toward consolidation, and cuts to Medicare and Medicaid reimbursements as part of sequestration. 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 the lion's share of new jobs in the forecast period.

Education/Health Will Drive Job Gains



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' economies, mainly smaller old-line manufacturing localities in the Northeast and Midwest, rely more heavily on industrial production for 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, including many state capitals, college towns and military-reliant areas. The budget deal struck by Congress in December, which effectively nullifies budget sequestration for two years, improves the outlook but is not included in the November forecast.

Resource and mining represent a small portion of the service territory's economy, but provide significant upside risk, especially in eastern Ohio and western Pennsylvania. The potential for extraction of significant quantities of untapped natural resources offers the possibility of boosting long-term growth in several related industries, including construction, transportation and manufacturing.

Recent Performance

The November 2013 regional forecast was generated in the context of the U.S. macro forecast described above, with fiscal drag and political uncertainty weighing on business investment and hiring. Still, the current estimate is that output growth exceeded expectations in 2013, coming in at 1.9%, compared with a forecast in December 2012 of 1.4%. Total employment growth of 1.1% doubled expectations, with manufacturing contracting less than expected and nonmanufacturing employment growing more strongly. Likewise, real income will rise about 1.1%, compared with expectations last year of 0.6%.

Manufacturing was a net drag on employment in 2013 and added less to output than in 2012. Manufacturing employment contracted modestly between June and October, from a year ago. Manufacturing is an important driver, particularly in many of the territory's Midwest metal-production and auto-related metro areas.

Overall, the sector benefited from robust growth in auto demand and transportation equipment manufacturing, which added jobs and increased production in 2013. However, some economies suffered job losses this year as tepid demand from abroad weighed on exports and businesses delayed investment spending because of policy uncertainty. The service territory is more exposed to Europe than the rest of the U.S.

The service territory added fewer jobs in percent terms than the nation partly because federal budget cuts pose more of a threat. In PJM's service territory, federal employment did not contract more steeply, but it 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. In Maryland, for example, federal workers earn about \$92,000 annually on average, compared with about \$73,000 in the rest of the U.S. Therefore, federal layoffs do more damage to incomes.

Pennsylvania and Ohio account for a substantial portion of PJM's customers, and saw employment gains slow this year. In Ohio, manufacturing cooled off after outperforming through late 2012 and early 2013. Steel production has hit a soft patch and auto assemblers have cut back on hiring plans. The secular uptrend in healthcare employment has also been stymied as local hospitals adjust to lower expected reimbursement rates. Ohio and Pennsylvania metro areas make up 20% to 25% of the territory's payroll employment. Natural gas prices have rebounded, encouraging investment in shale drilling in the two states.

Near-Term Outlook and Changes to the Forecast

Changes to the near-term outlook for the PJM service territory are similar to those in the U.S. macro forecast. Removing the drags of fiscal policy uncertainty on private business investment and consumer spending will lead to stronger growth in the first half of 2014.

The rebound in manufacturing will be more subdued as businesses deal with slow final demand and concerns over frothy inventories. Manufacturing employment is estimated to fall 0.15% in 2013, beating expectations of a 0.4% fall. Manufacturing will contract slightly in 2014 and enjoy a temporary rebound in 2015 and 2016 before returning to secular decline over the long term. Real GDP in the service territory is forecast to rise 2.3% in 2014 and 3.8% in 2015. Last year, output was projected to grow 3.4% in 2014 and 3.6% in 2015. The forecast calls for employment in the service territory to increase 1.2% in 2014 and 2.3% in 2015, down from the previous forecast of 1.9% in 2014 and 2.5% in 2015.

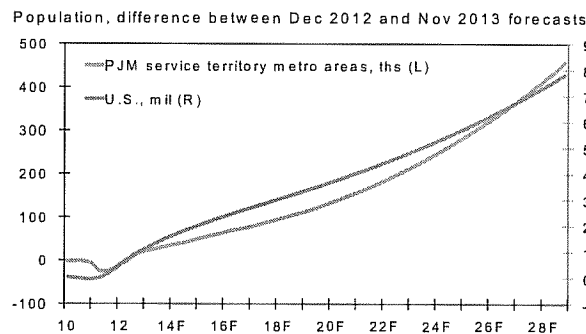
Expectations of weaker short-term growth have to do with federal agencies' response to the first round of budget sequestration cuts this year. Agencies found one-off savings and furloughed employees whenever possible, to avoid more permanent actions, such as layoffs. Having picked the low-hanging fruit, agencies were expected to cut jobs and output more in 2014, when budget cuts were set to

escalate. Thus, job and income growth beat expectations in 2013 but was revised down in 2014, reflecting the delayed impact of cuts. After 2015, the impact of this shift disappears. In addition, the November forecast does not take into account the December budget deal, which improves the near-term outlook.

Long-Term Outlook

The November 2013 forecast is for weaker long-term growth in metro areas in the PJM service territory than the forecast from December 2012. Growth in key variables—output, employment and households—is somewhat more subdued because of weaker population gains.

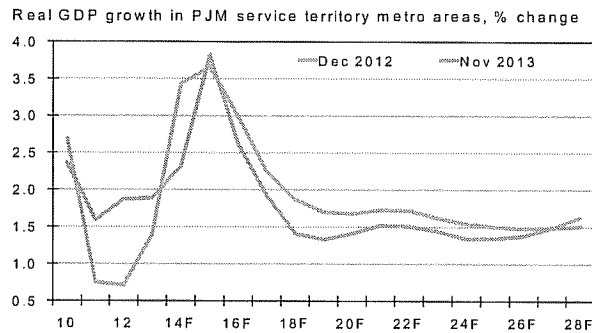
Population Projections Are Weaker...



Sources: Census Bureau, Moody's Analytics

For the metro areas in the service territory, the November 2013 forecast is for population to expand 0.4% between 2013 and 2028, down from 0.5% in the December 2012 forecast. This will result in 100,000 fewer residents in 2018, 200,000 fewer in 2022, and 440,000 fewer in 2028. As a result, real GDP growth will average 1.8% in the region out to 2028, compared with the 2% expected last year. Likewise, average annual job growth is forecast at 0.6%, versus 0.8% last year.

... Dampening Long-Run Output Growth

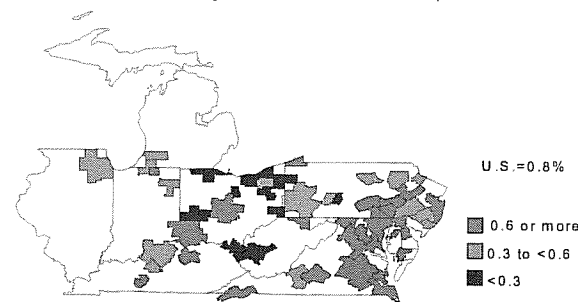


Sources: BEA, Moody's Analytics

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. Despite the weaker long-term forecast, in-migration and household formation will rebound further in 2014 and will drive growth in consumer-based services such as education/healthcare and leisure/hospitality. 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. Aside from favorable demographics, these metro areas will be driven by highly educated labor forces and productivity growth.

Stronger Demographics Benefit the South

Avg annual household growth from 2013 to 2028, %



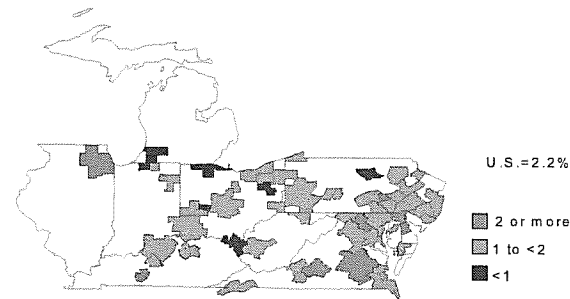
Sources: Census Bureau, Moody's Analytics

Metro areas in Ohio, West Virginia and parts of Pennsylvania will expand more slowly. Expansion in those states will be more restrained as regions transition 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.

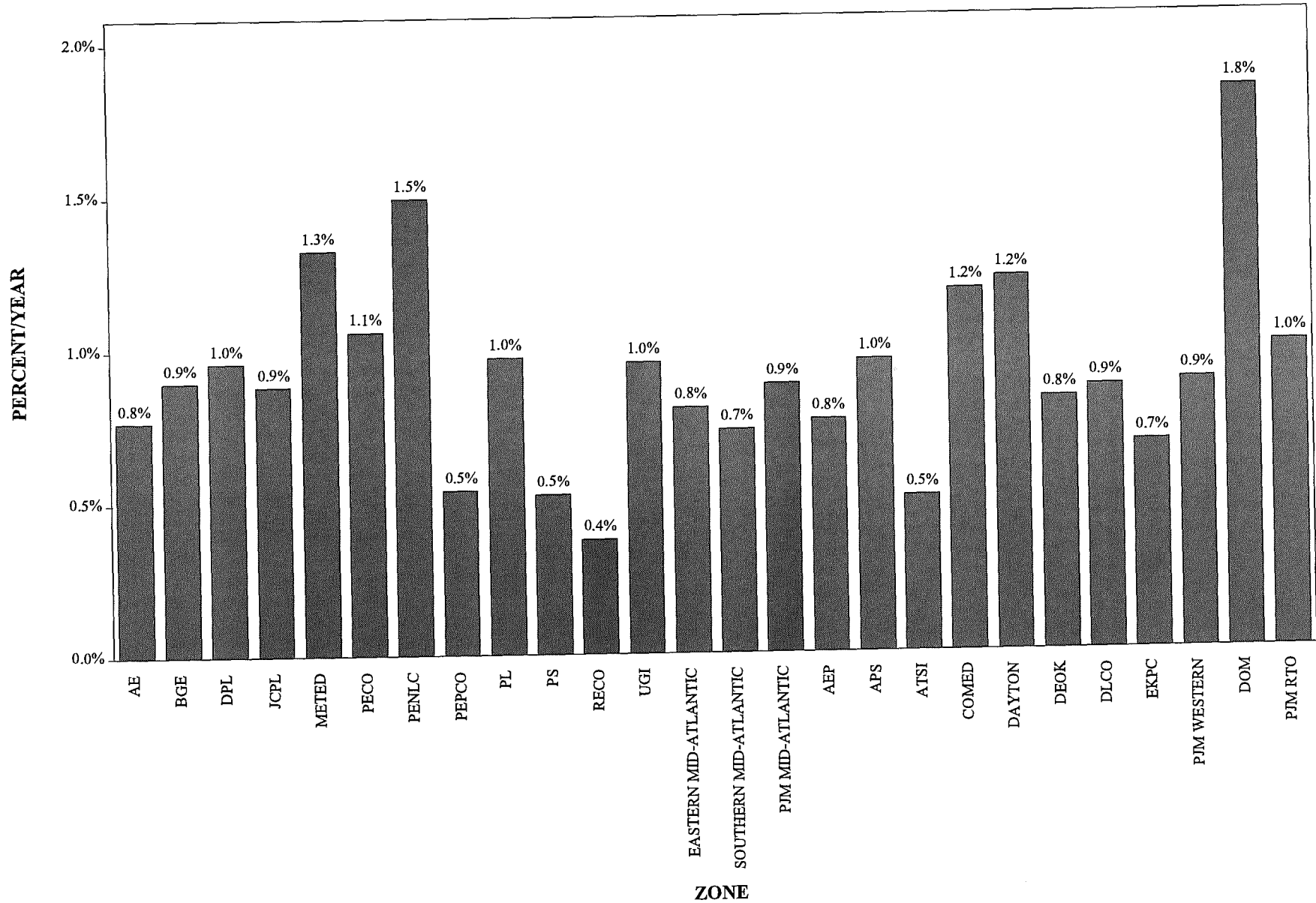
The Service Territory Will Underperform the U.S.

Avg real GDP growth from 2013 to 2028, %

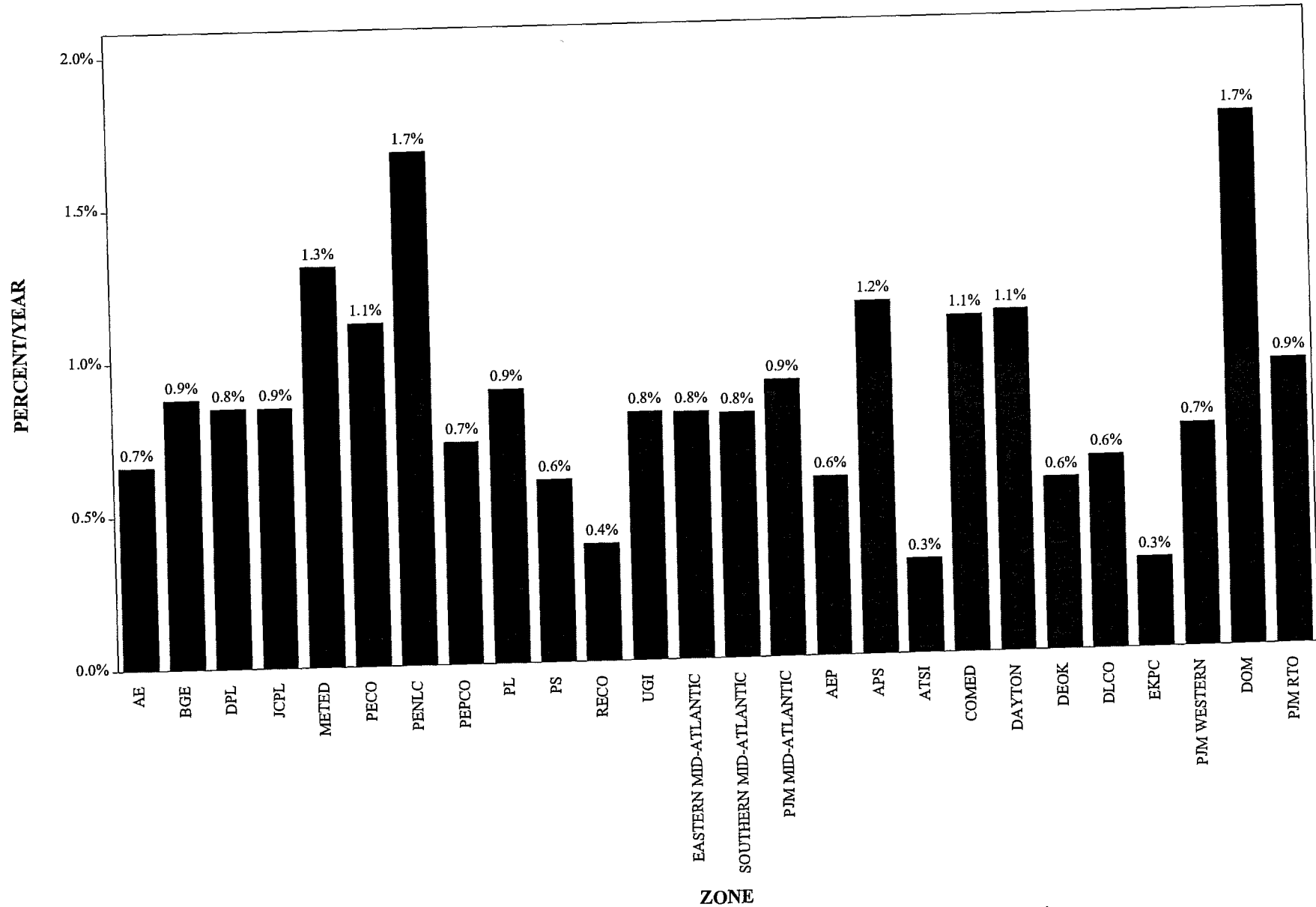


Sources: Census Bureau, Moody's Analytics

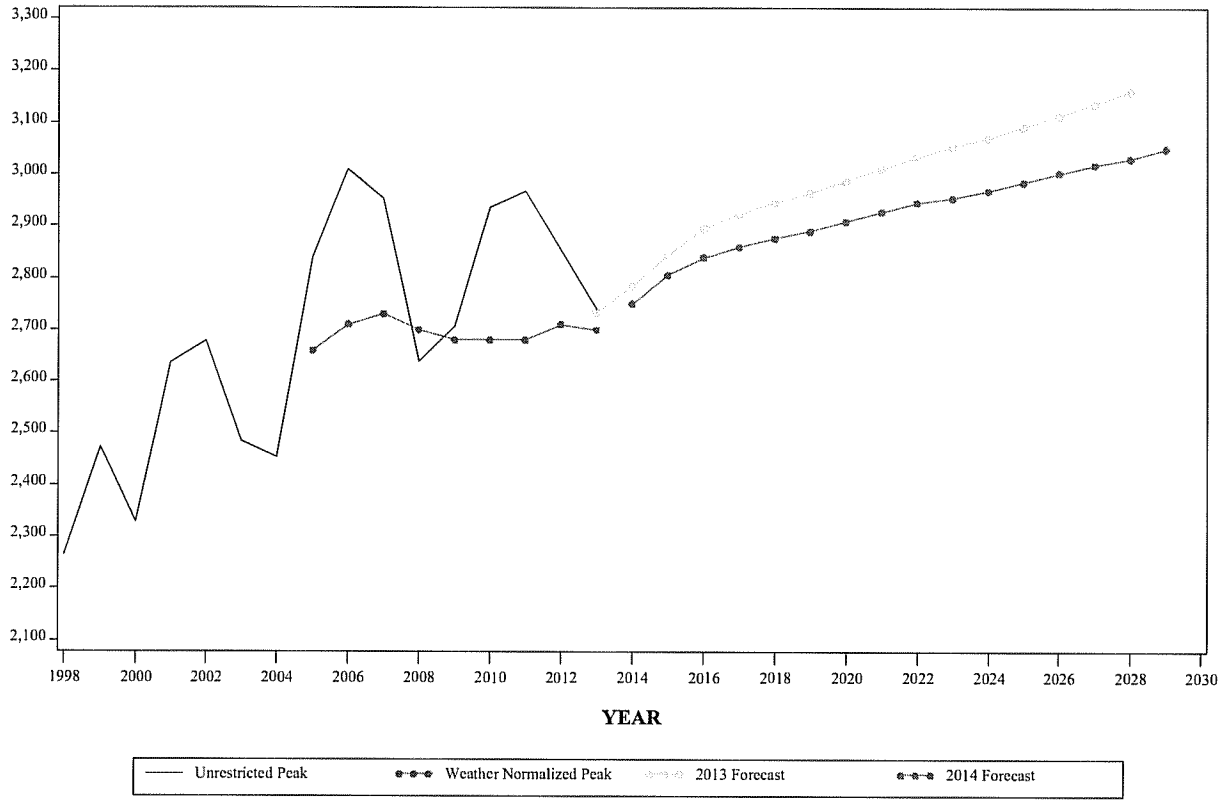
**PJM SUMMER PEAK LOAD GROWTH RATE
2014 - 2024**



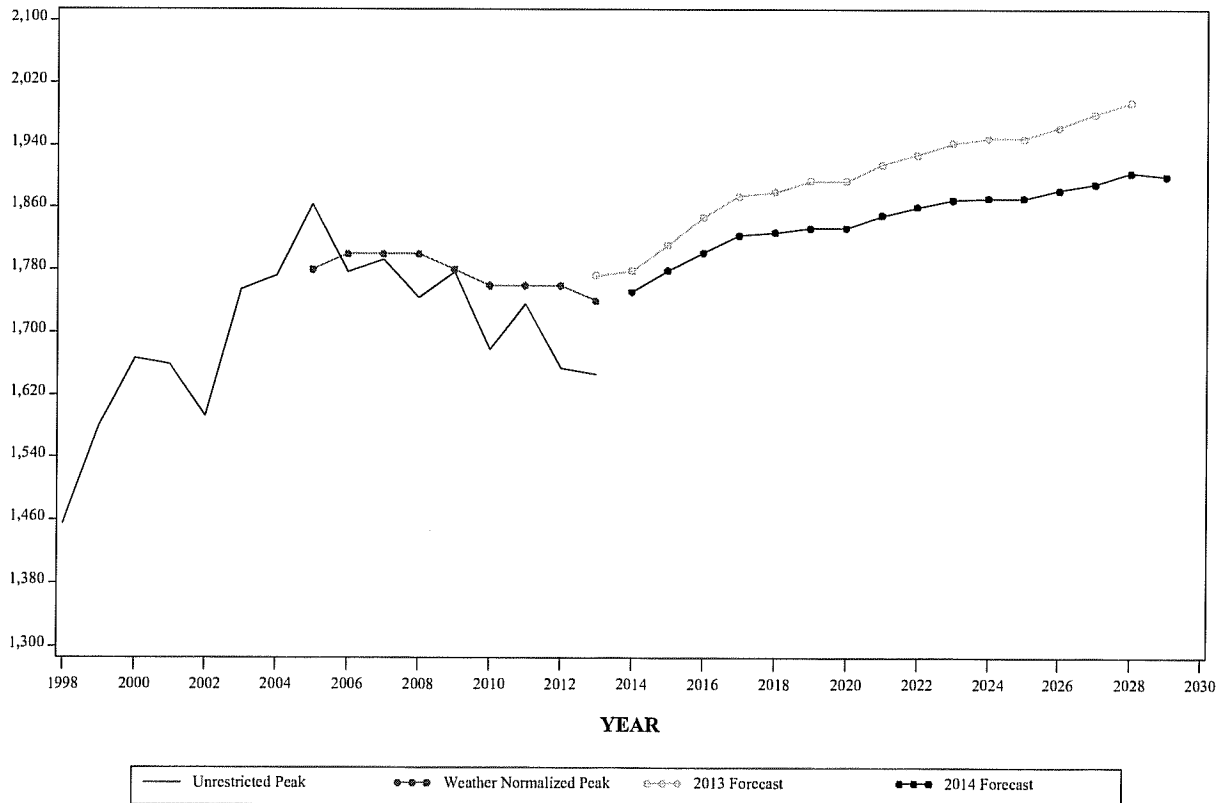
**PJM WINTER PEAK LOAD GROWTH RATE
2014 - 2024**



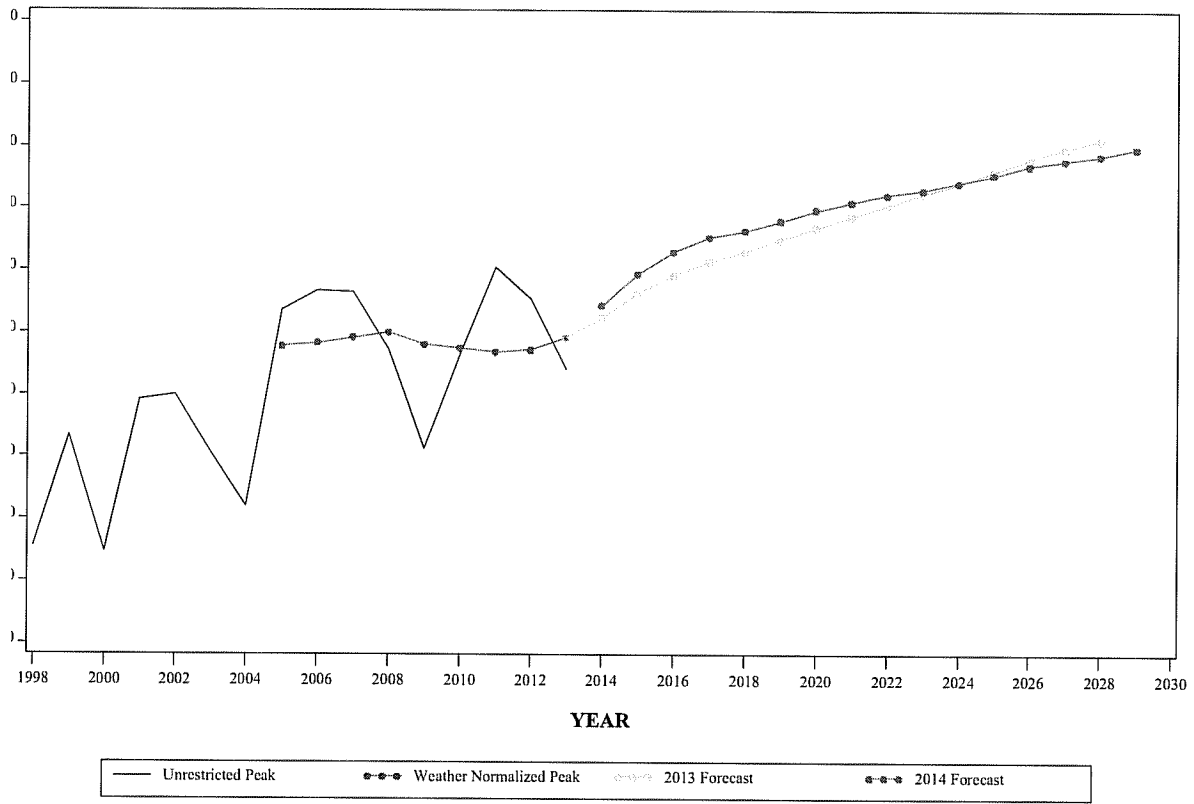
**SUMMER PEAK DEMAND FOR AE
GEOGRAPHIC ZONE**



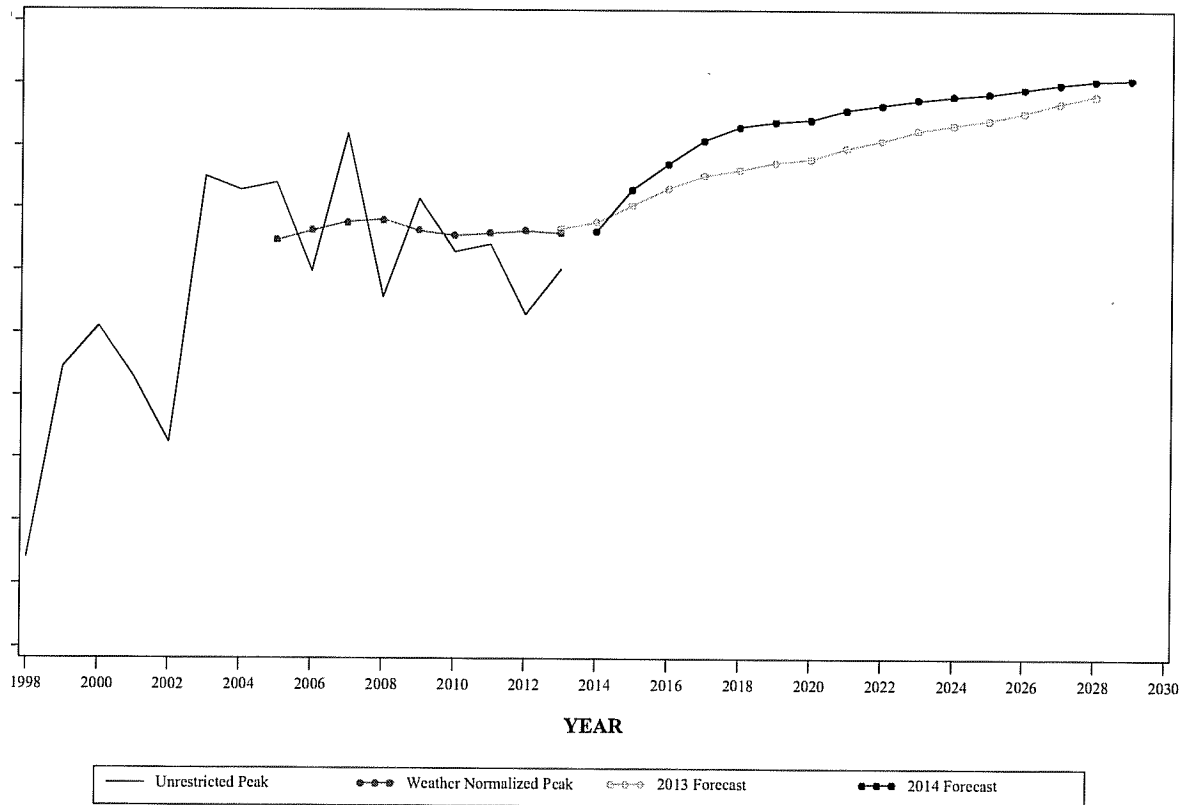
**WINTER PEAK DEMAND FOR AE
GEOGRAPHIC ZONE**



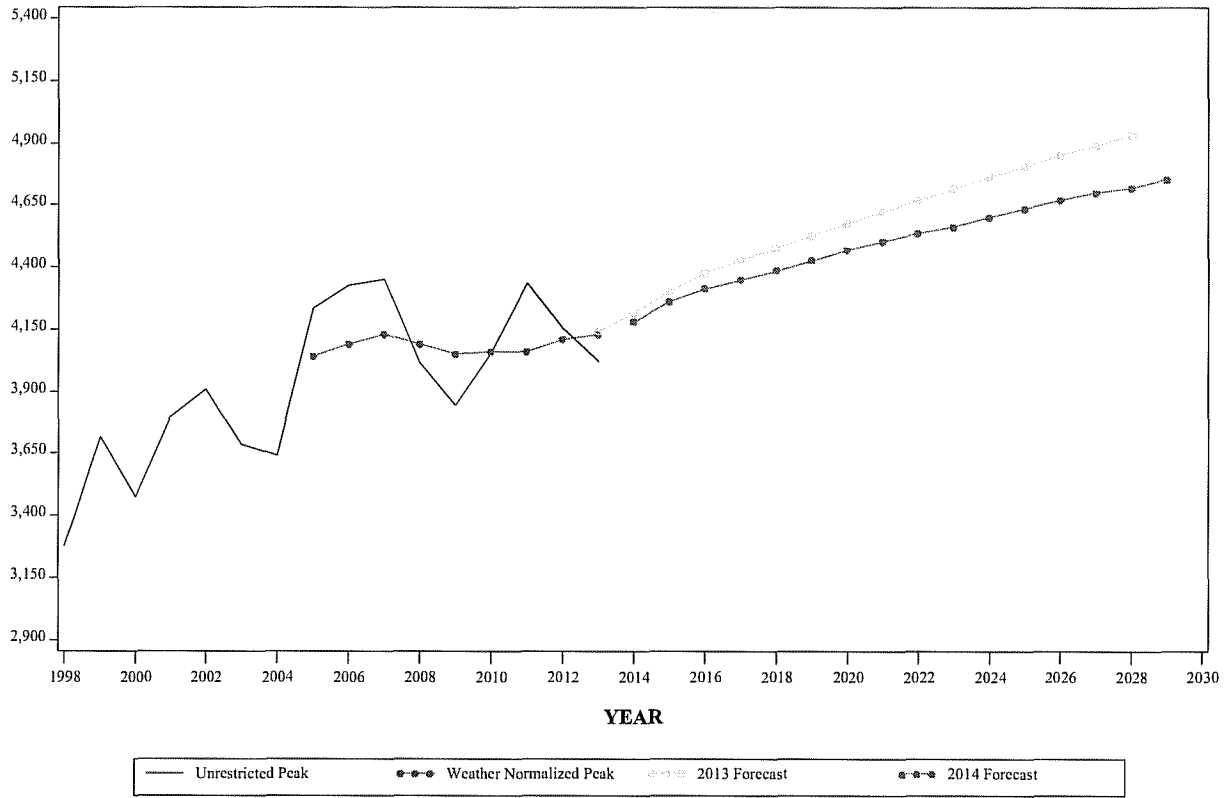
**SUMMER PEAK DEMAND FOR BGE
GEOGRAPHIC ZONE**



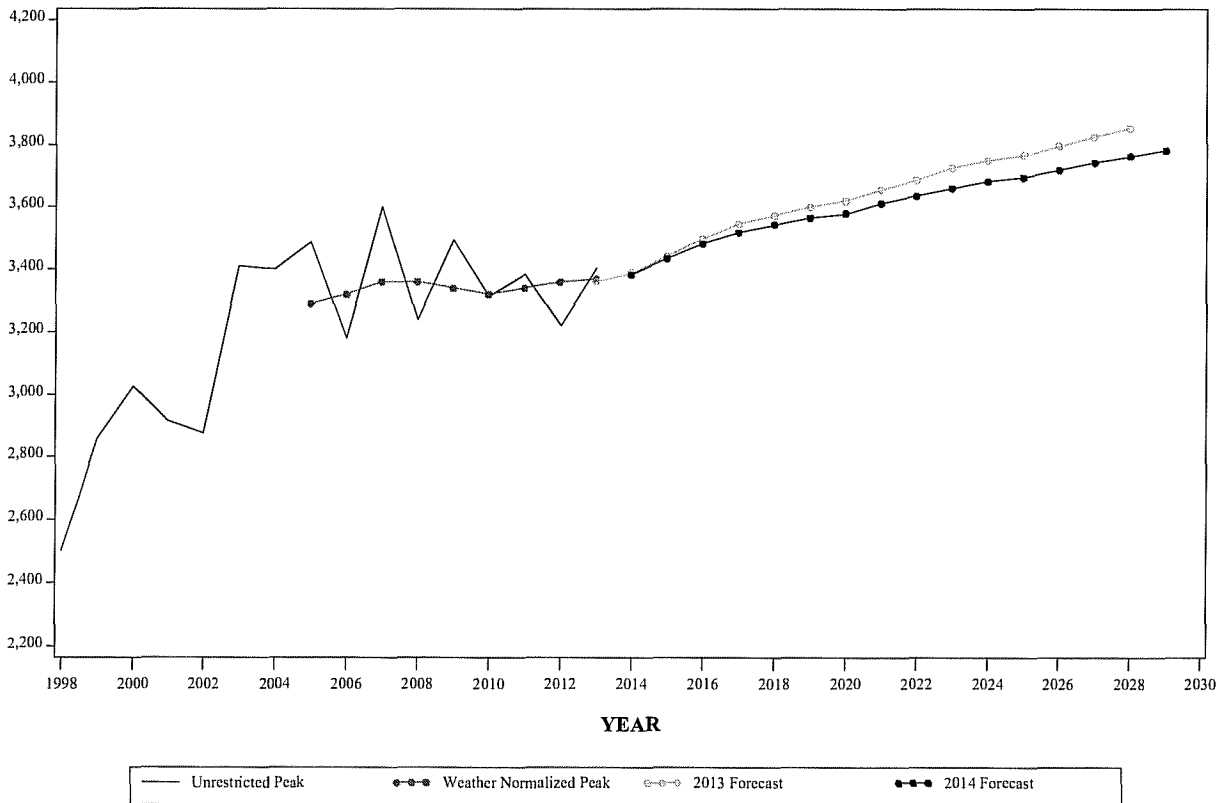
**WINTER PEAK DEMAND FOR BGE
GEOGRAPHIC ZONE**



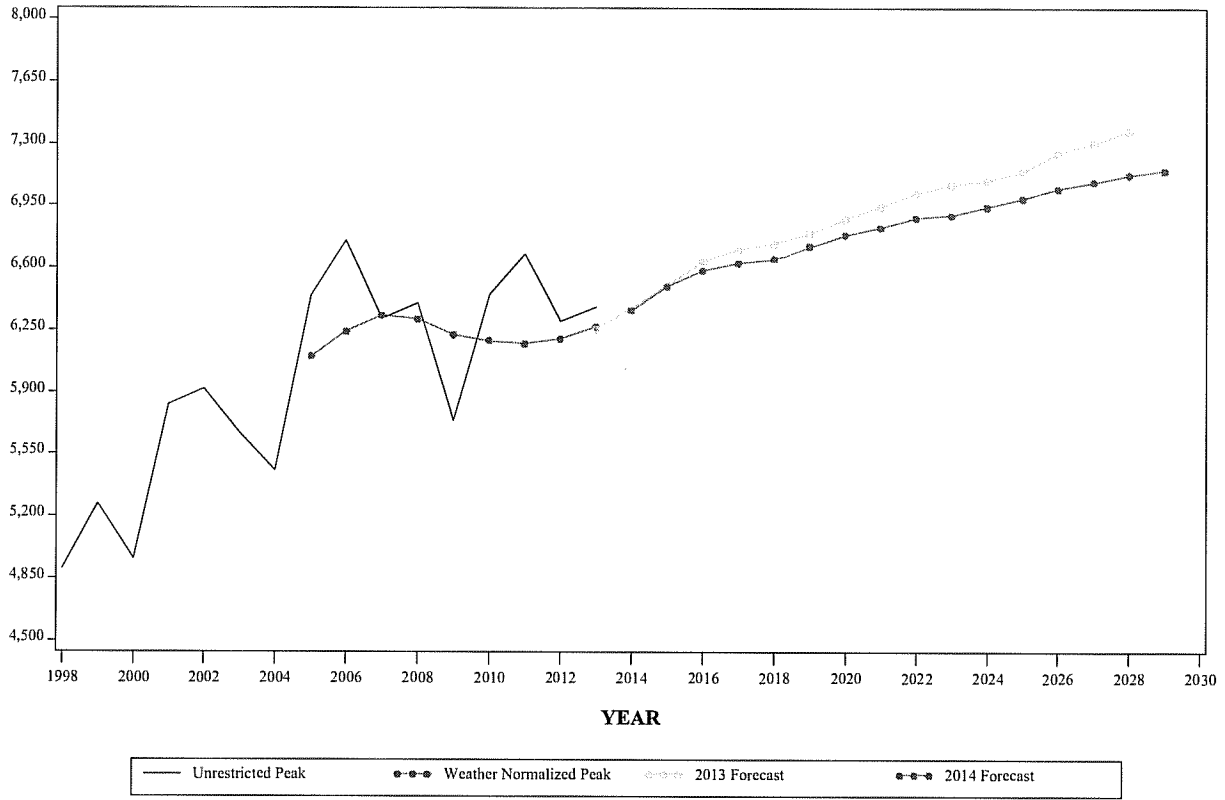
**SUMMER PEAK DEMAND FOR DPL
GEOGRAPHIC ZONE**



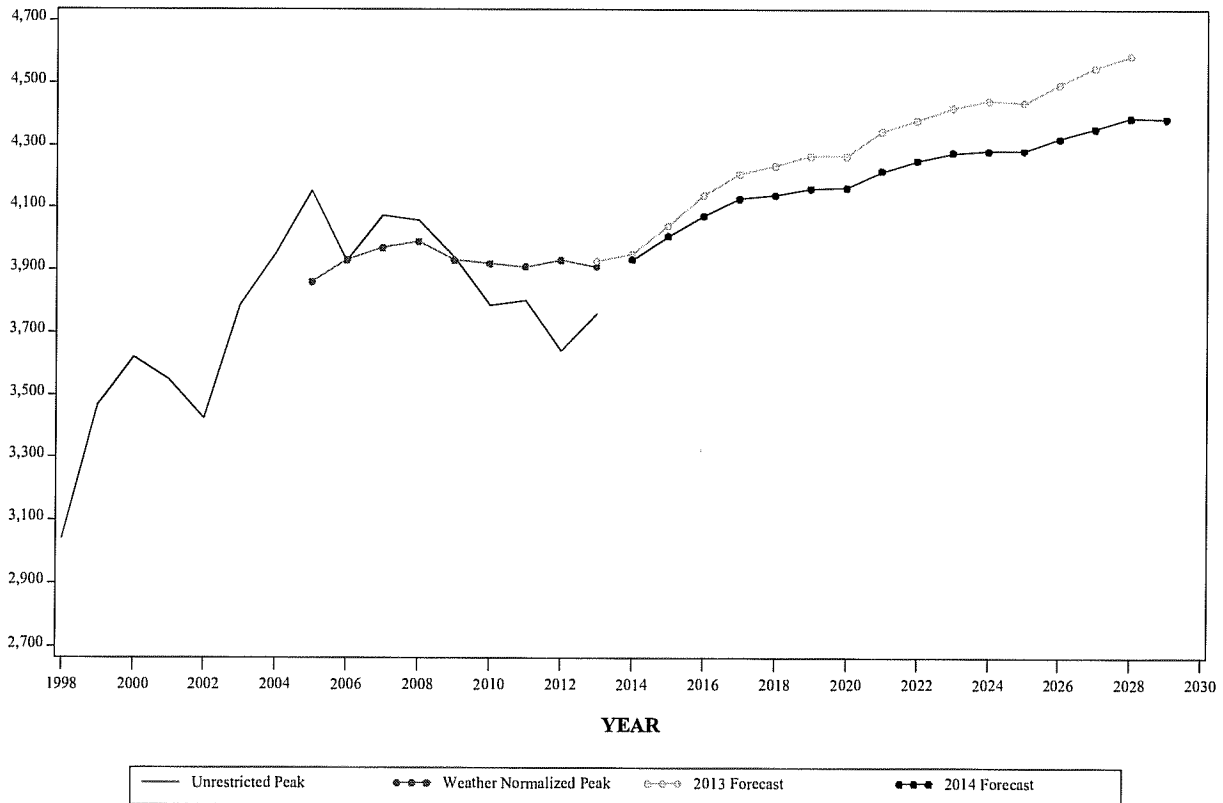
**WINTER PEAK DEMAND FOR DPL
GEOGRAPHIC ZONE**



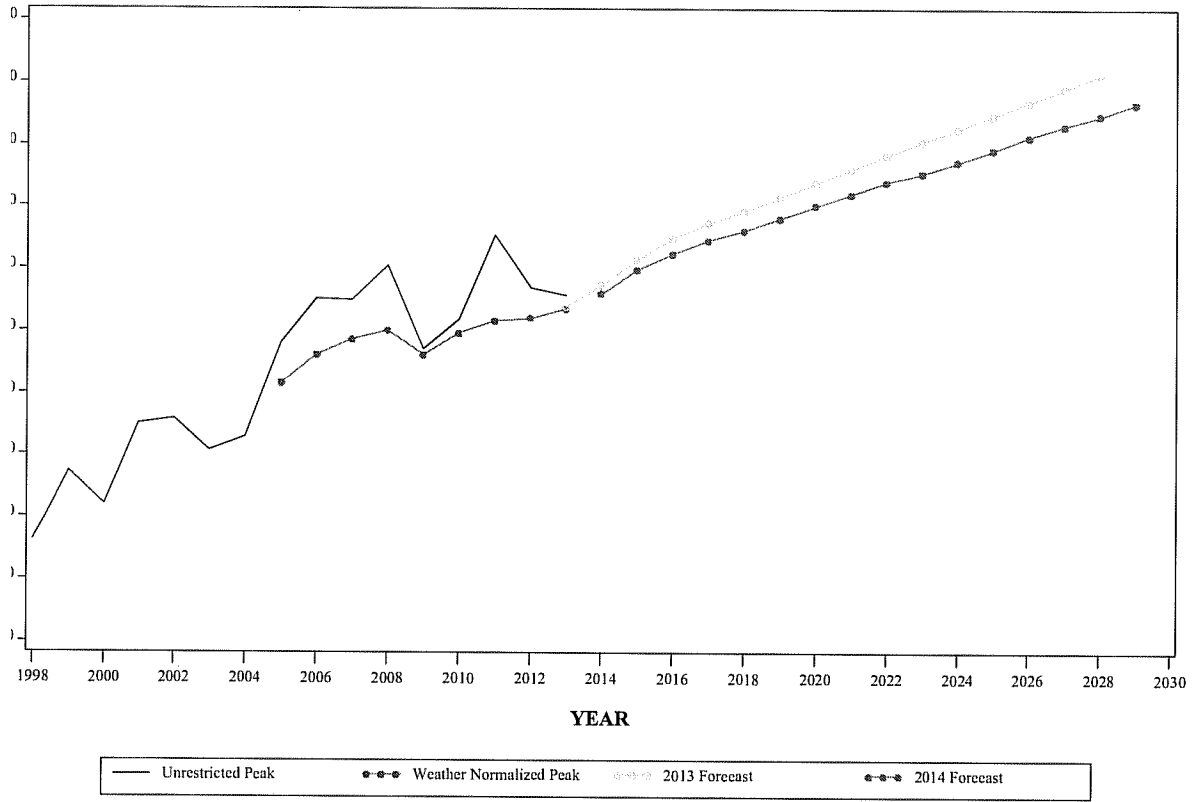
**SUMMER PEAK DEMAND FOR JCPL
GEOGRAPHIC ZONE**



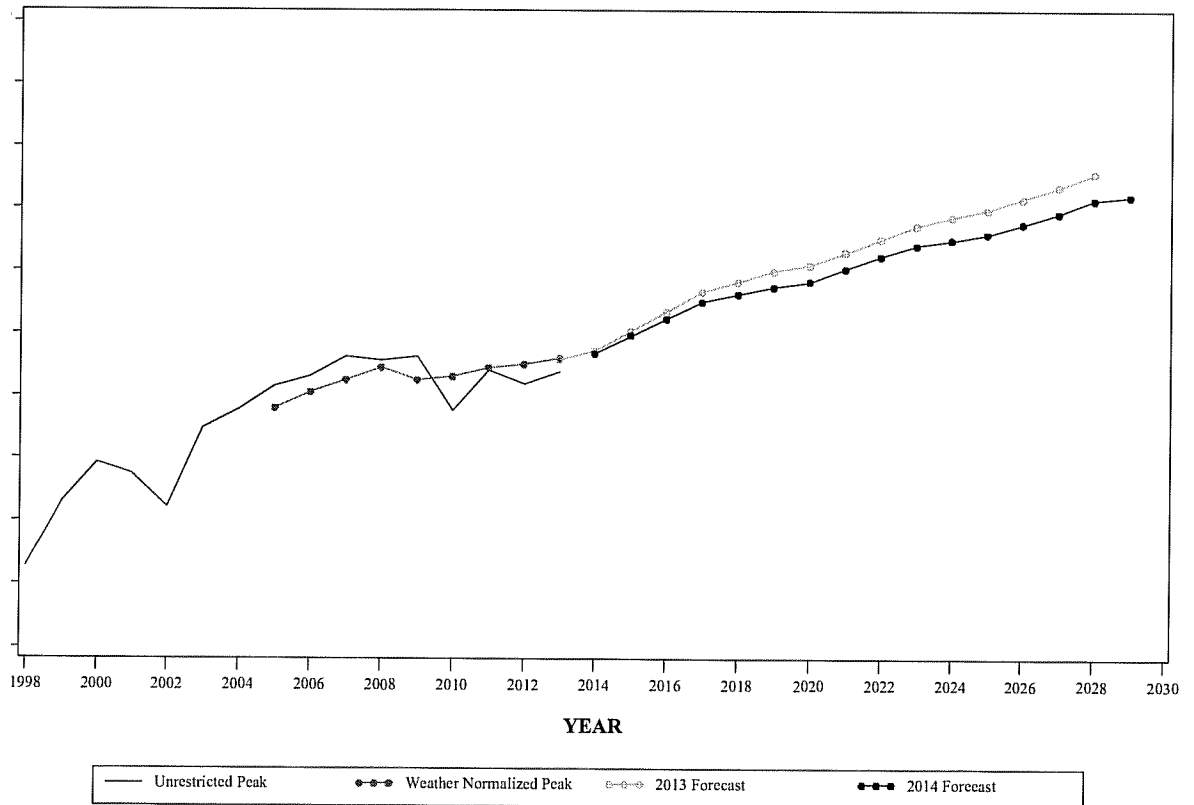
**WINTER PEAK DEMAND FOR JCPL
GEOGRAPHIC ZONE**



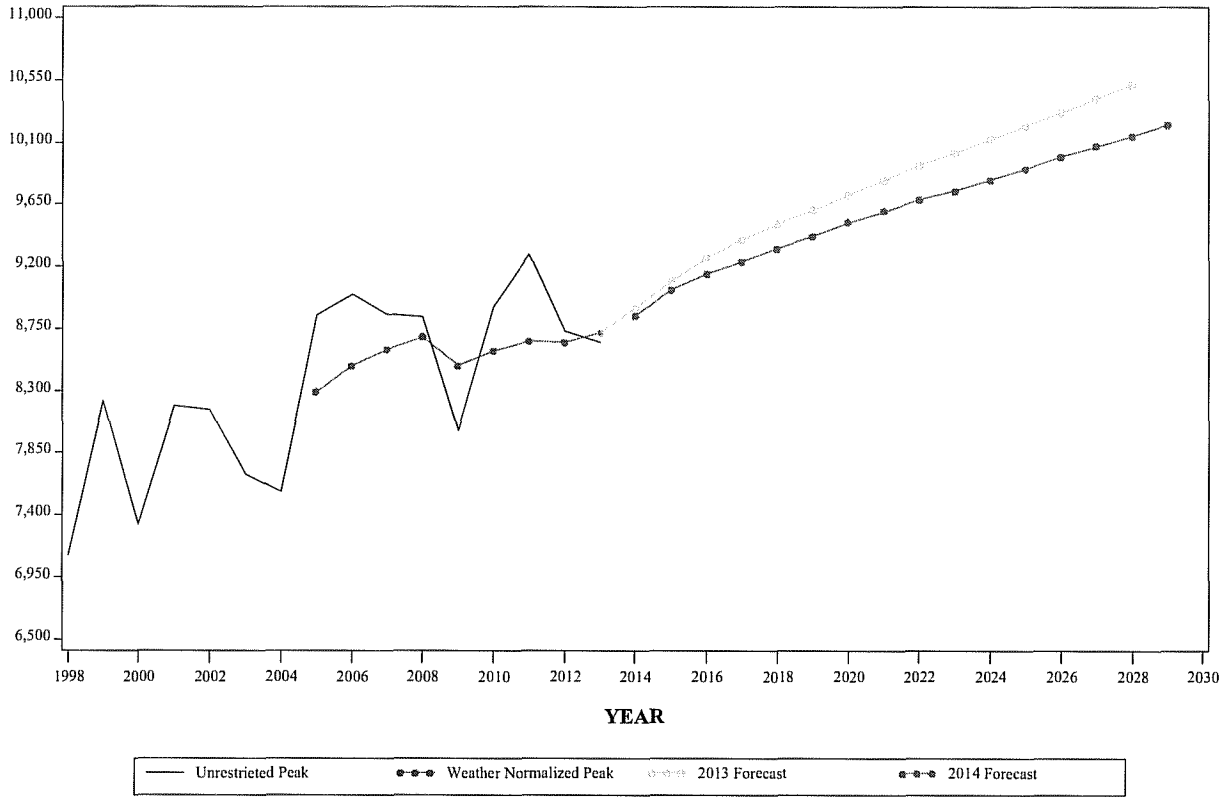
**SUMMER PEAK DEMAND FOR METED
GEOGRAPHIC ZONE**



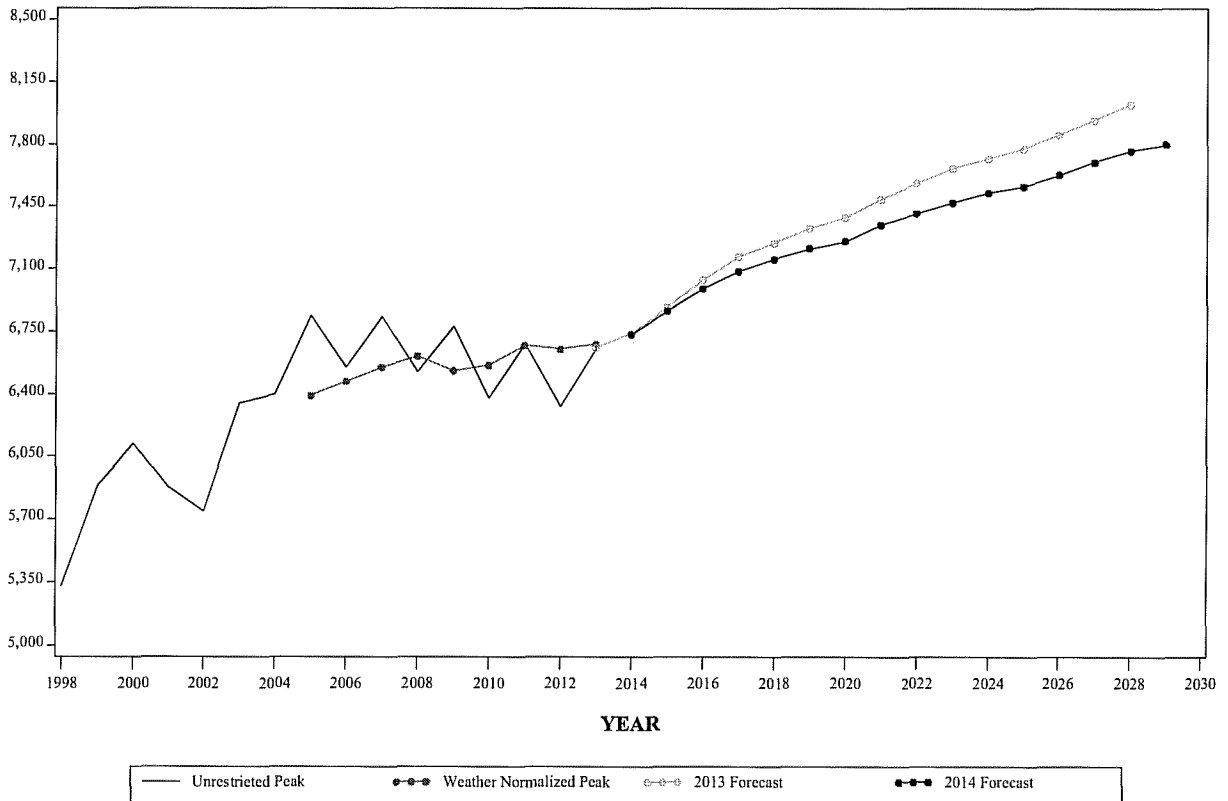
**WINTER PEAK DEMAND FOR METED
GEOGRAPHIC ZONE**



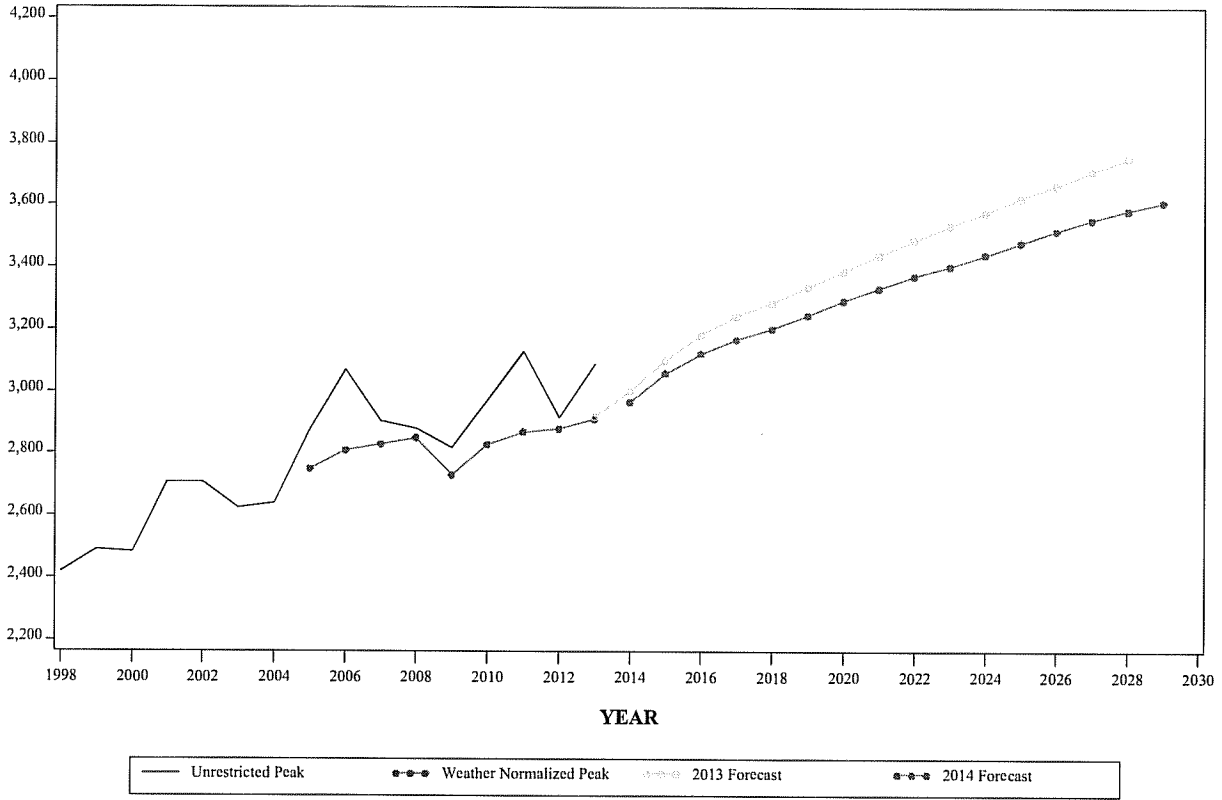
**SUMMER PEAK DEMAND FOR PECO
GEOGRAPHIC ZONE**



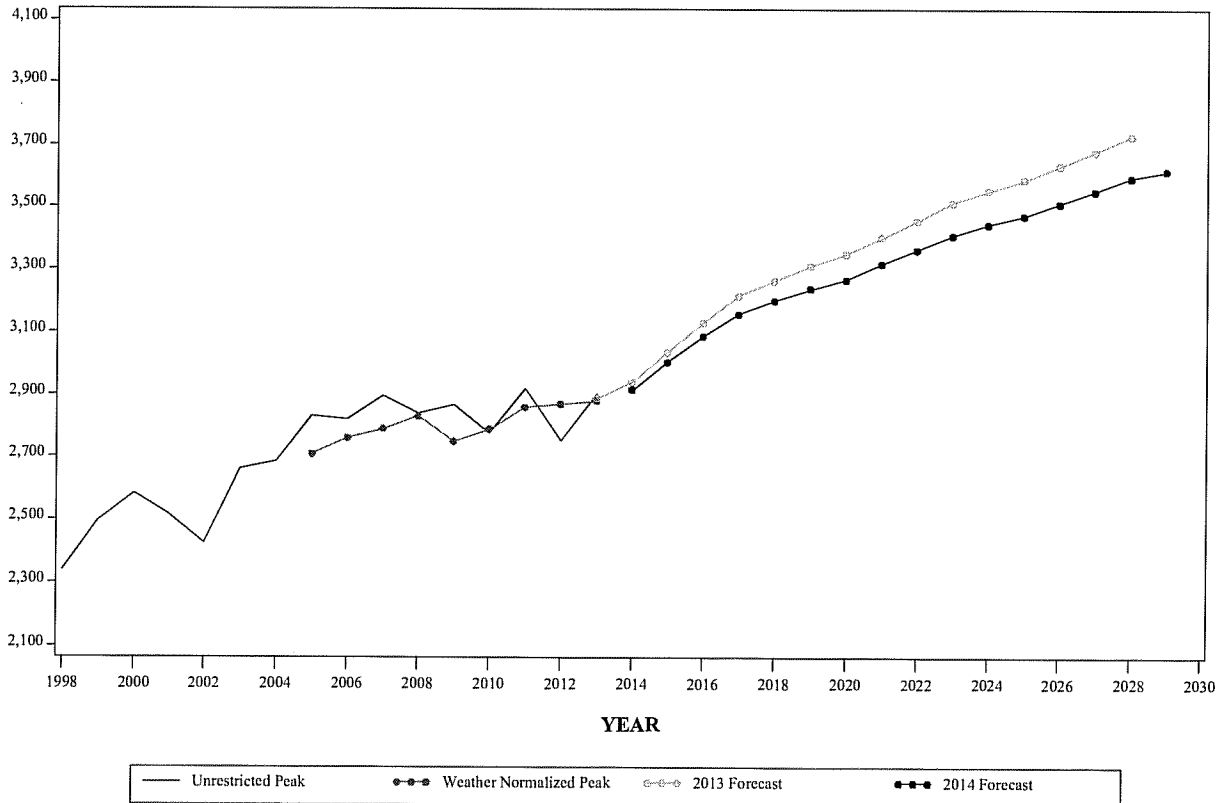
**WINTER PEAK DEMAND FOR PECO
GEOGRAPHIC ZONE**



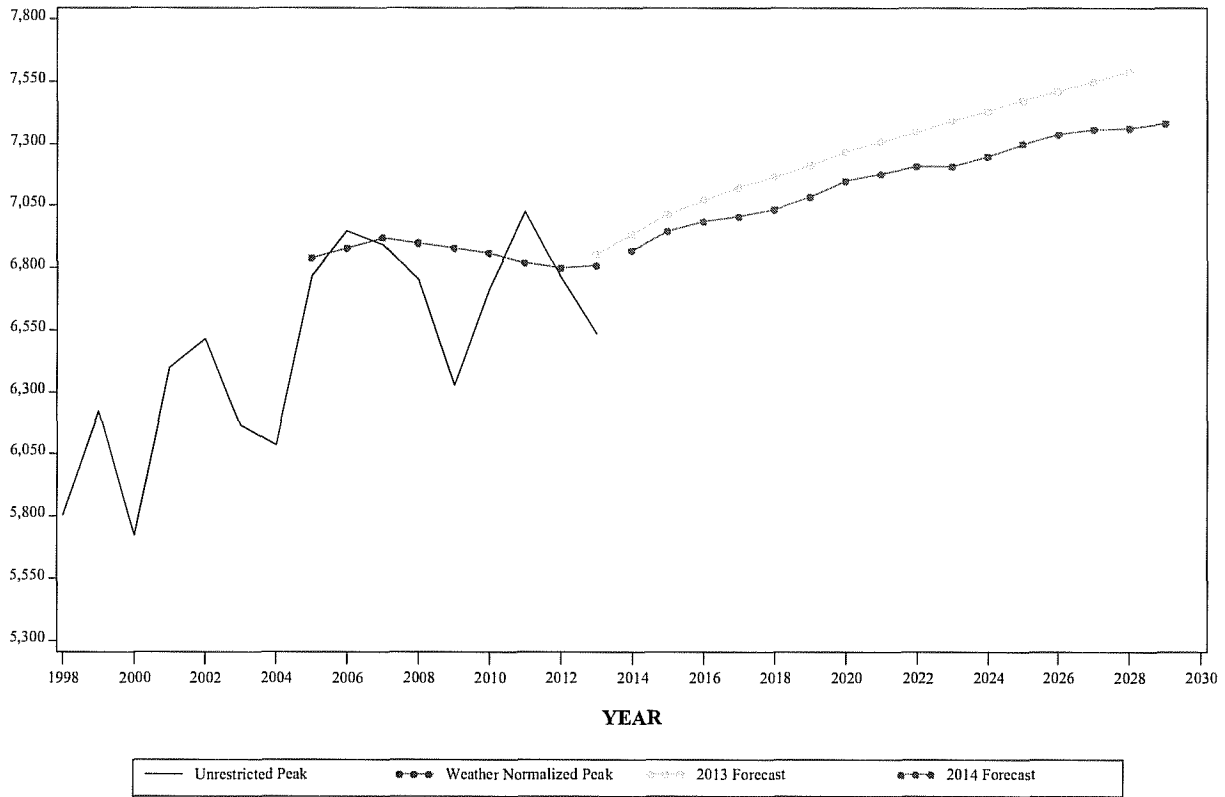
**SUMMER PEAK DEMAND FOR PENLC
GEOGRAPHIC ZONE**



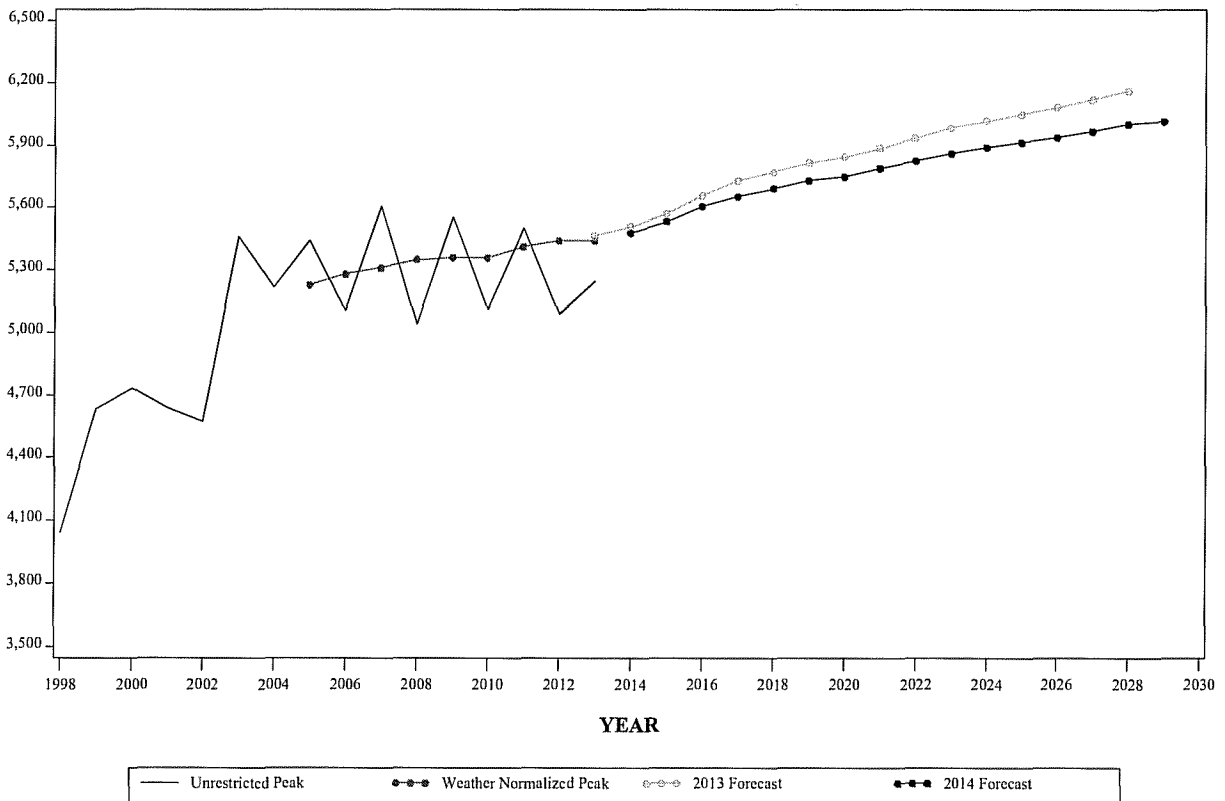
**WINTER PEAK DEMAND FOR PENLC
GEOGRAPHIC ZONE**



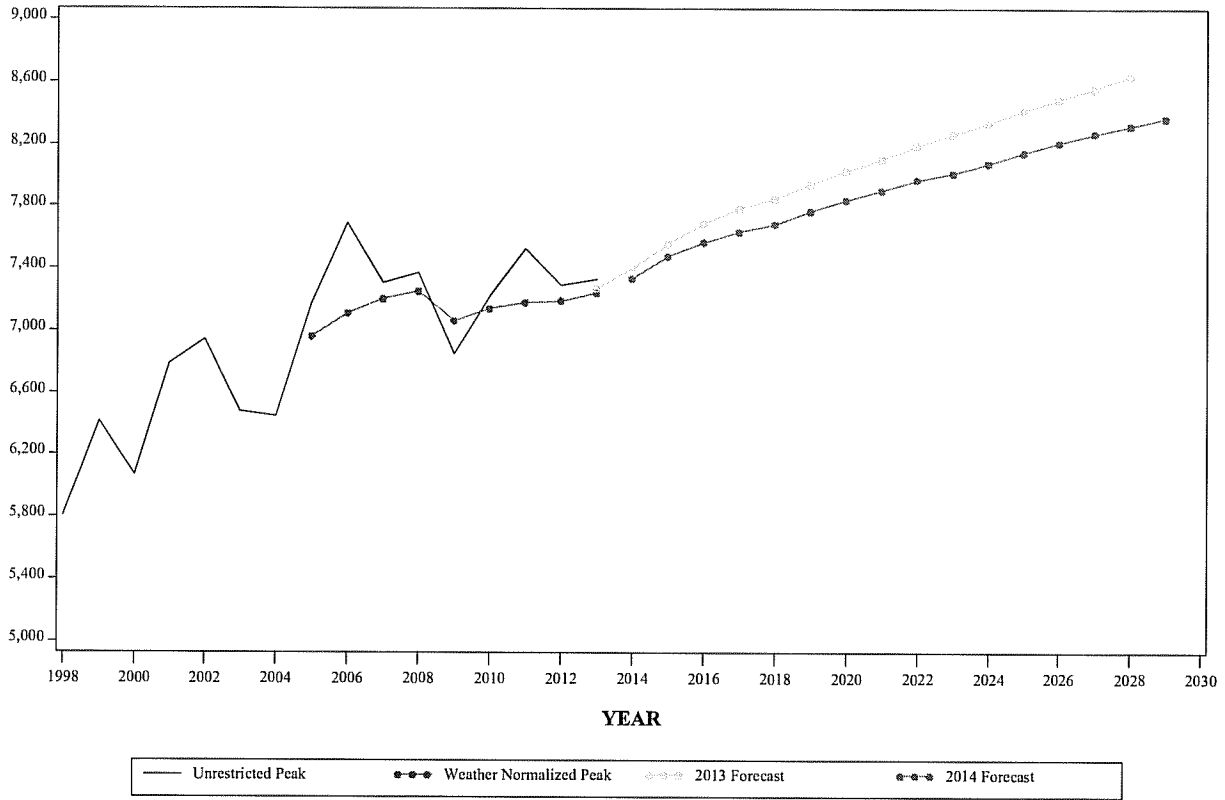
**SUMMER PEAK DEMAND FOR PEPCO
GEOGRAPHIC ZONE**



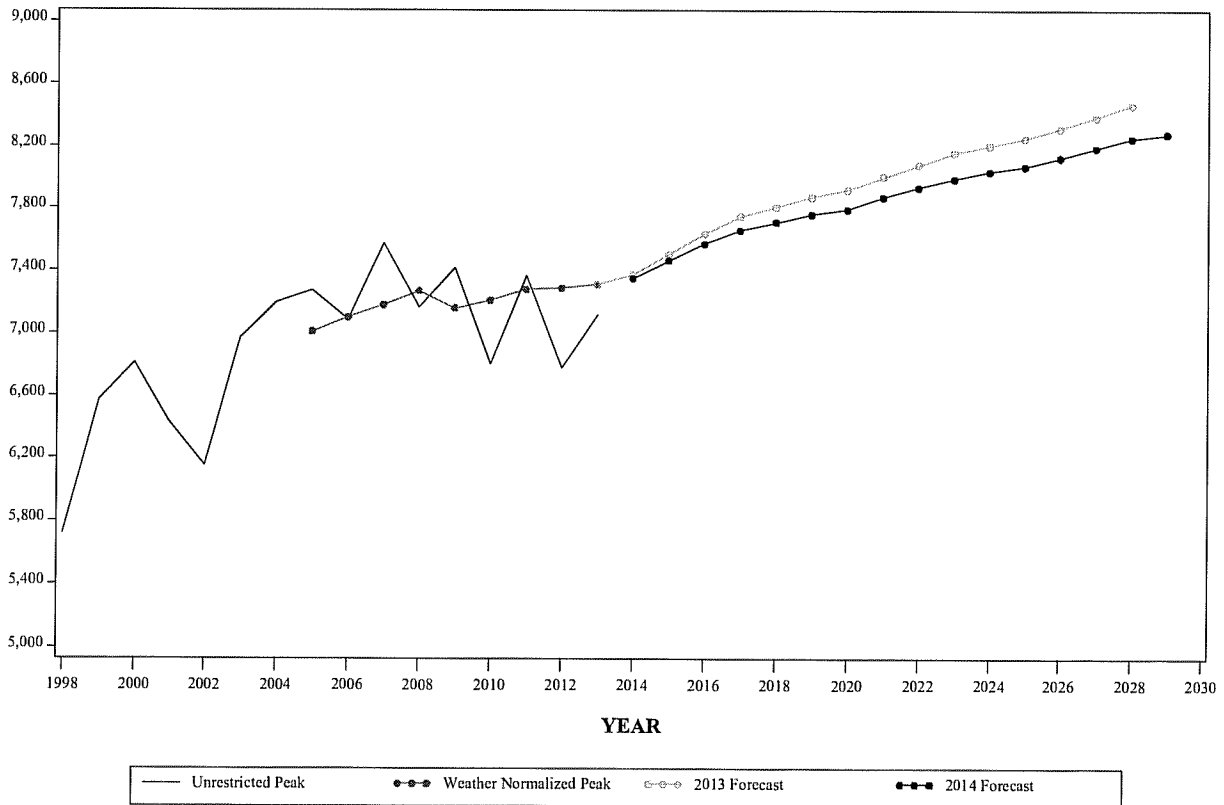
**WINTER PEAK DEMAND FOR PEPCO
GEOGRAPHIC ZONE**



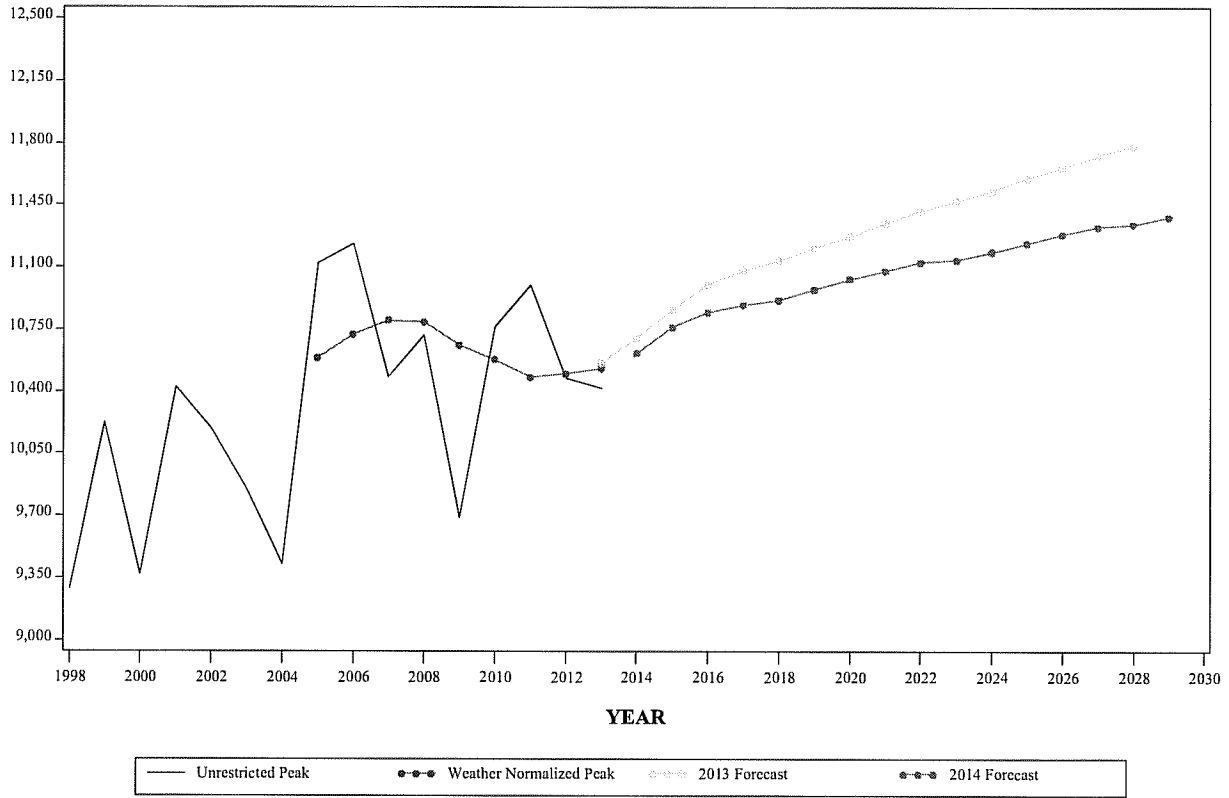
**SUMMER PEAK DEMAND FOR PL
GEOGRAPHIC ZONE**



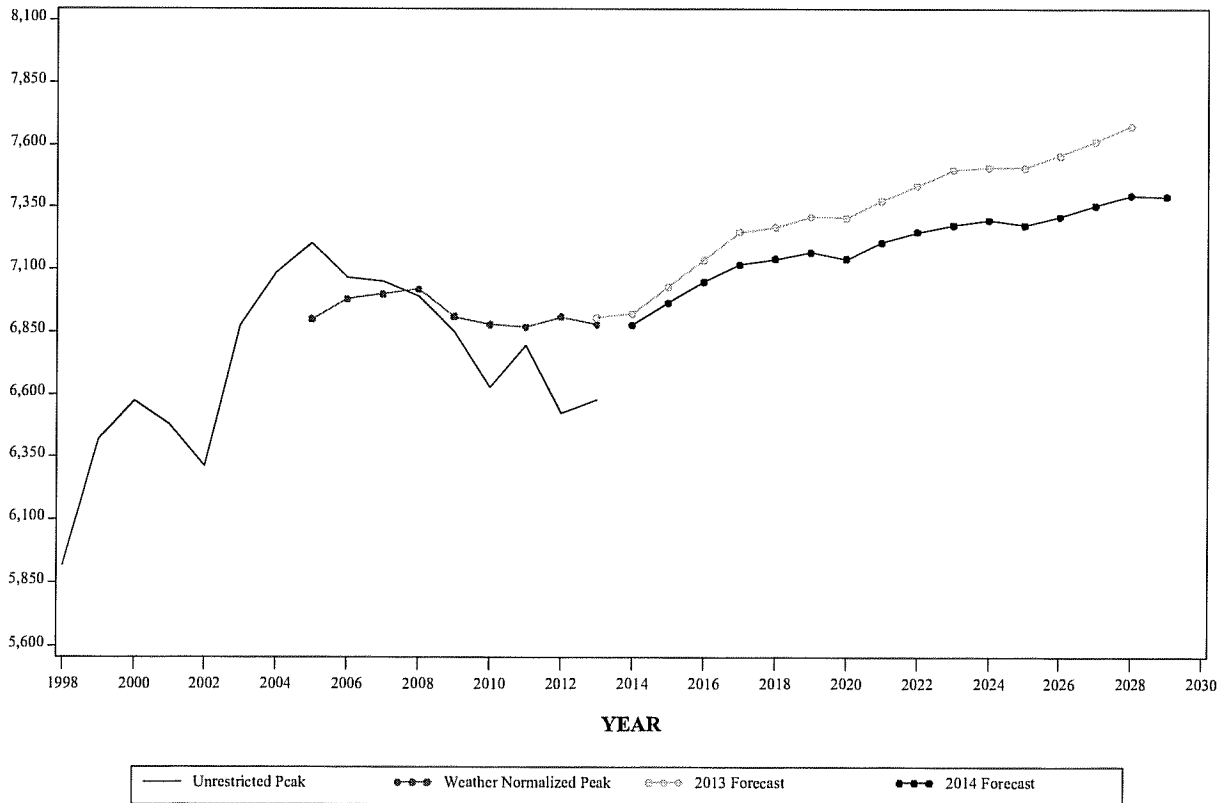
**WINTER PEAK DEMAND FOR PL
GEOGRAPHIC ZONE**



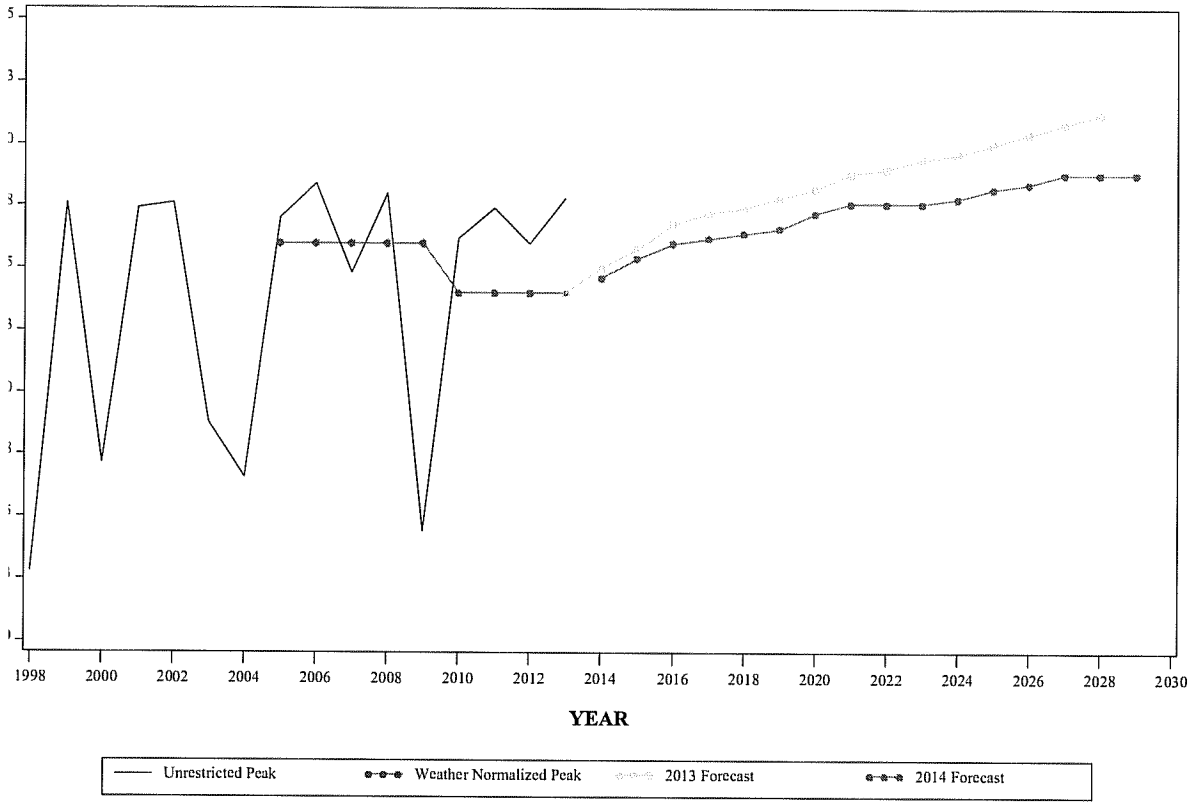
**SUMMER PEAK DEMAND FOR PS
GEOGRAPHIC ZONE**



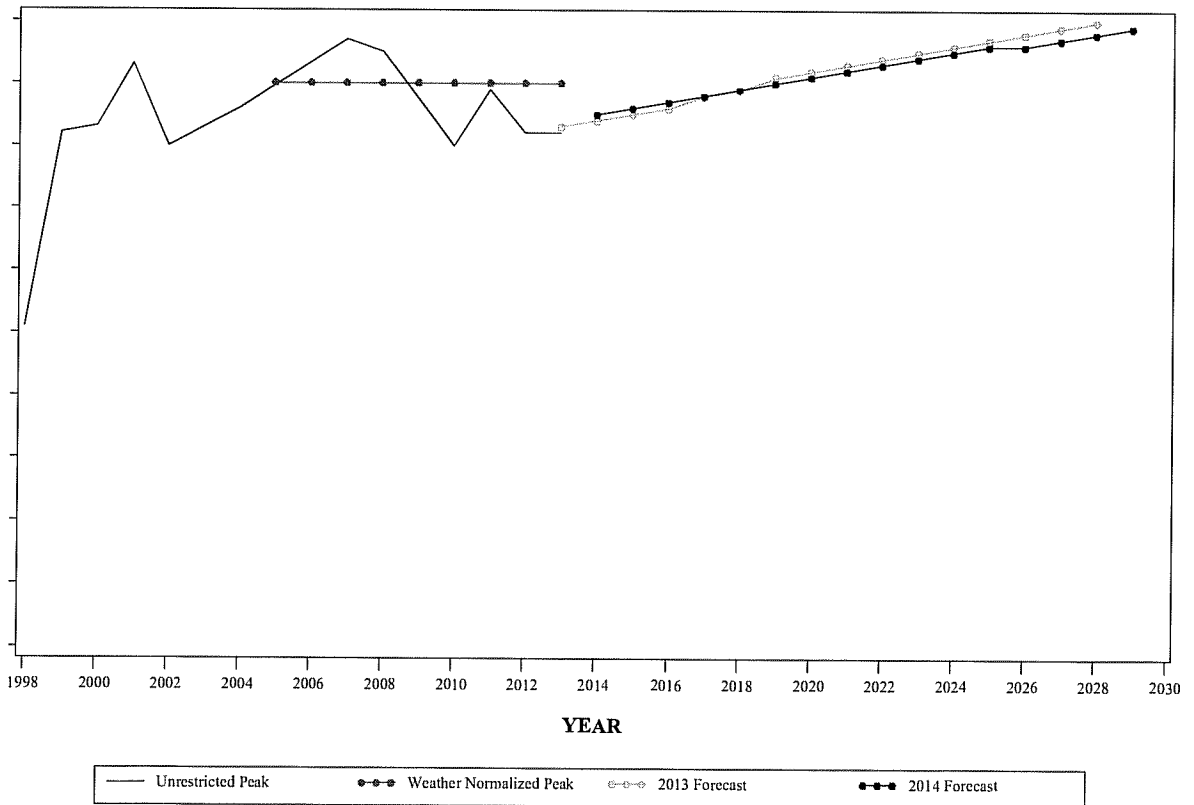
**WINTER PEAK DEMAND FOR PS
GEOGRAPHIC ZONE**



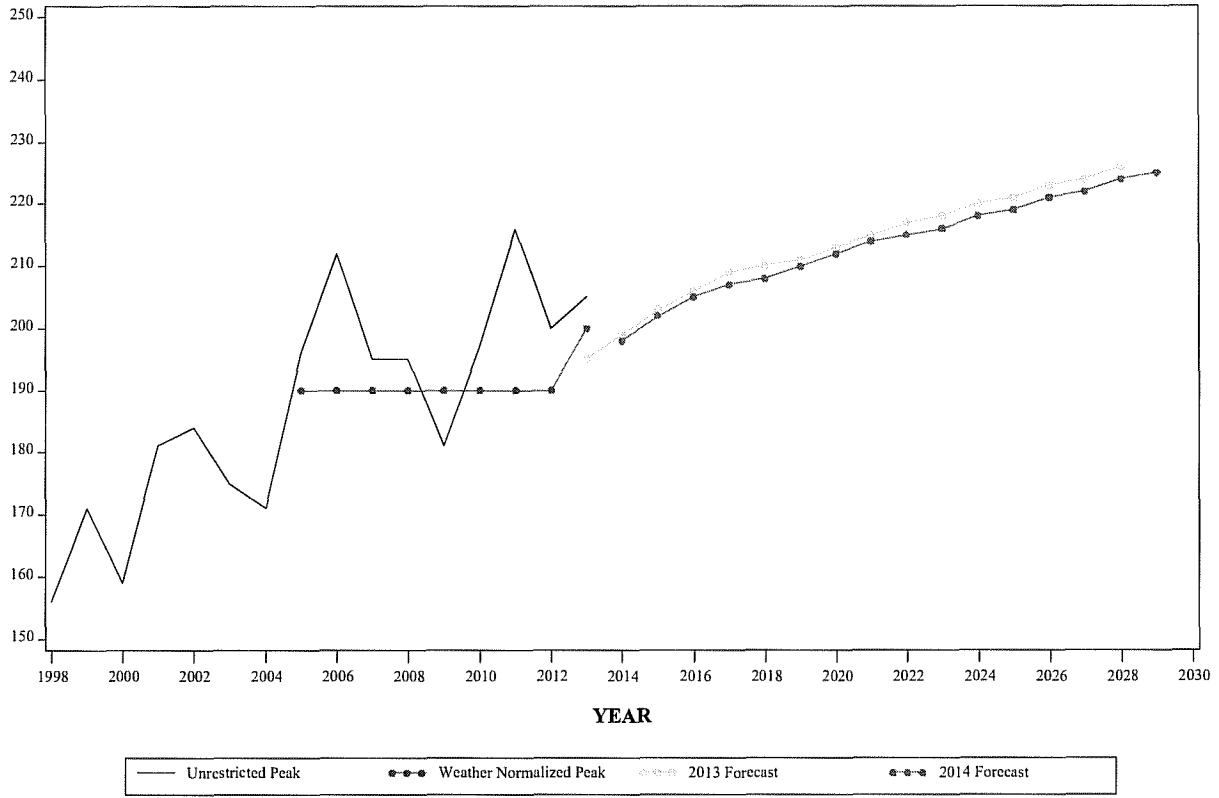
**SUMMER PEAK DEMAND FOR RECO
GEOGRAPHIC ZONE**



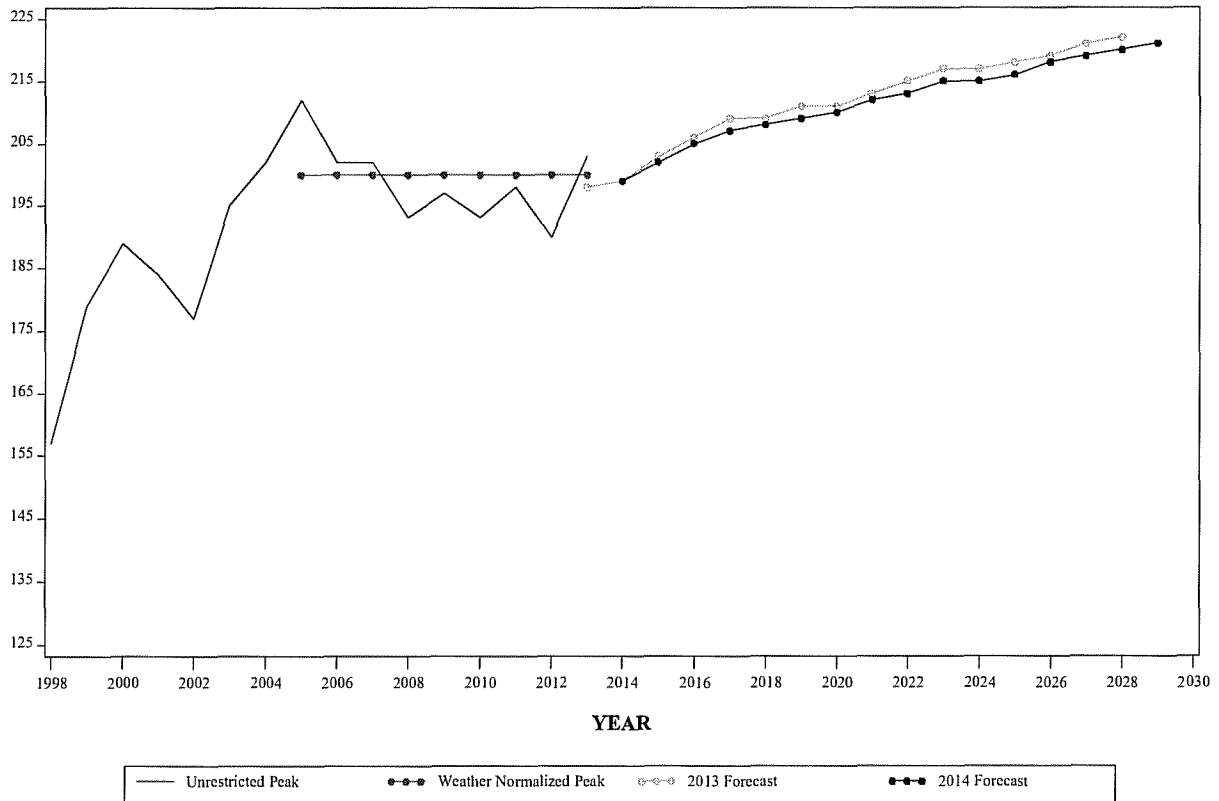
**WINTER PEAK DEMAND FOR RECO
GEOGRAPHIC ZONE**



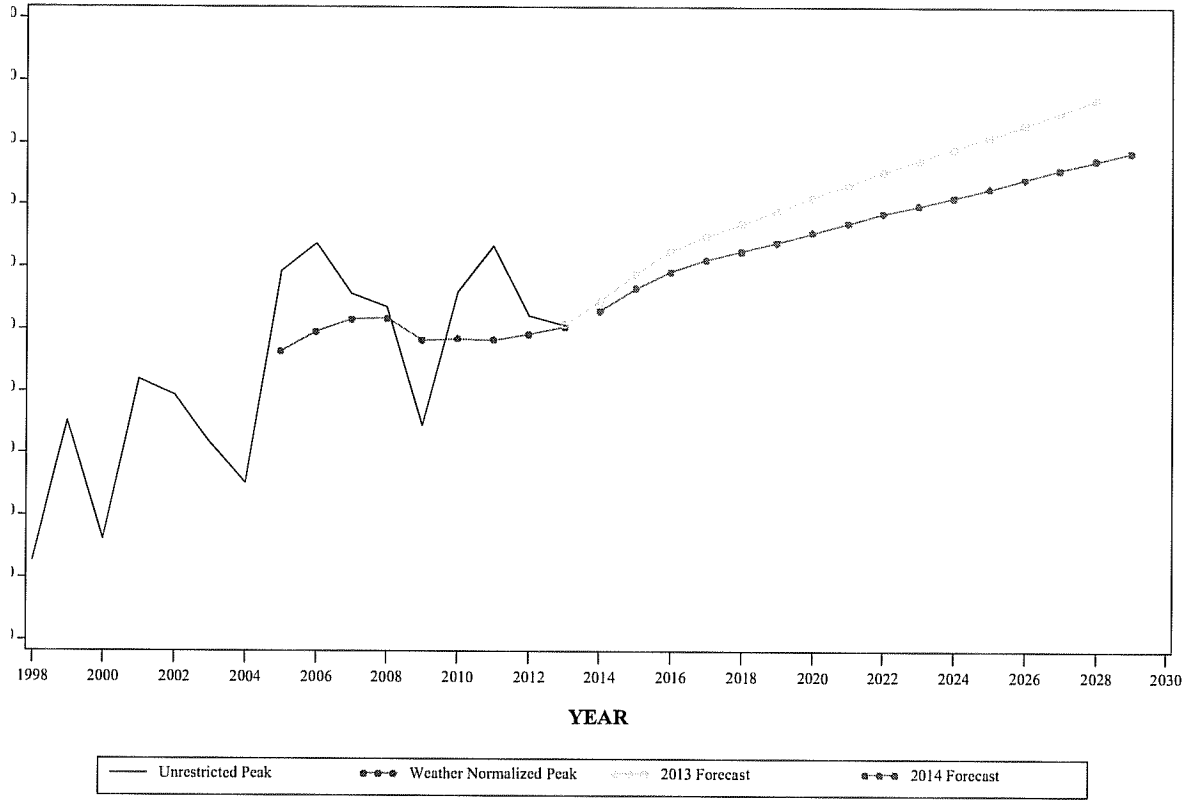
**SUMMER PEAK DEMAND FOR UGI
GEOGRAPHIC ZONE**



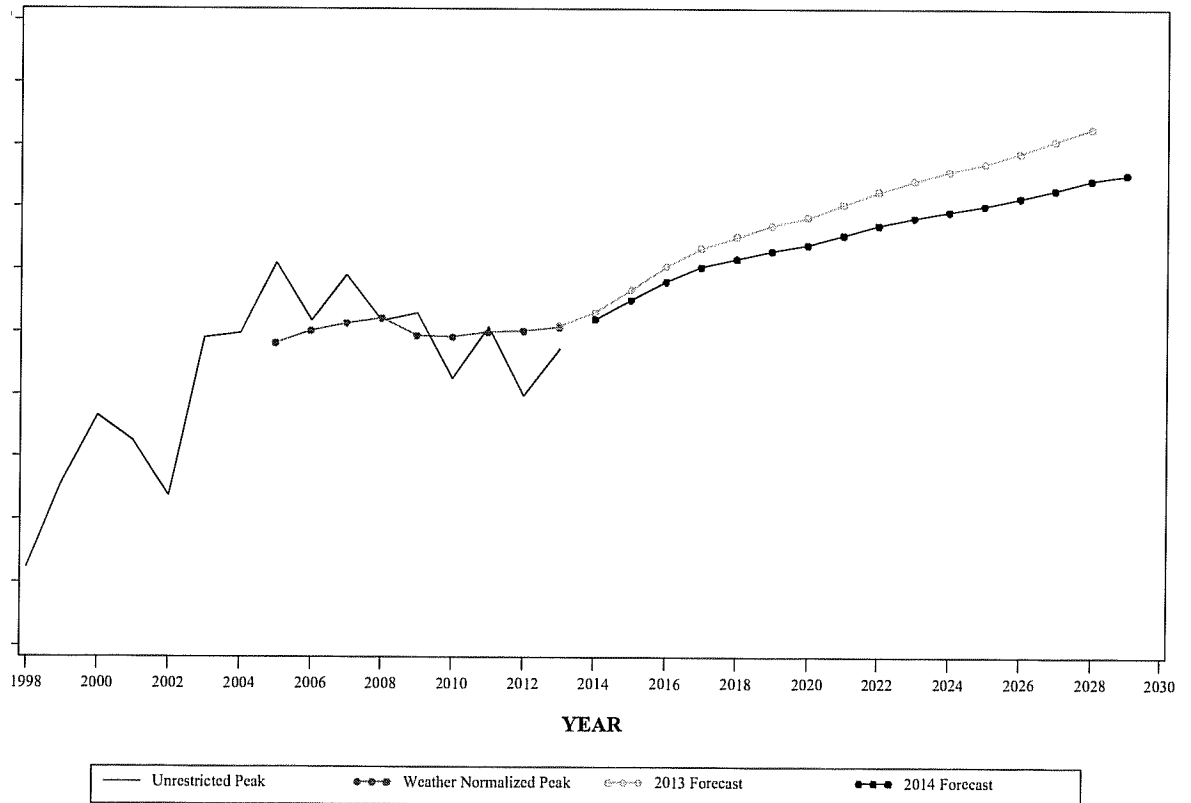
**WINTER PEAK DEMAND FOR UGI
GEOGRAPHIC ZONE**



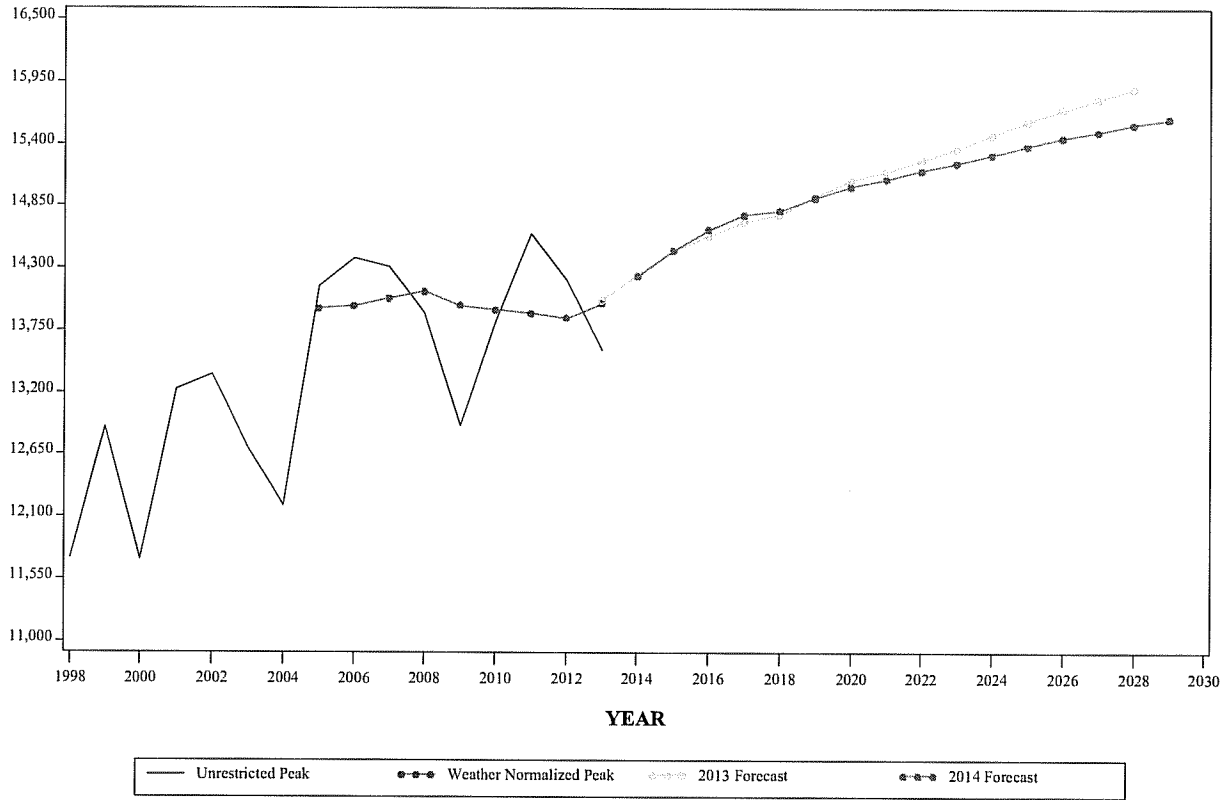
**SUMMER PEAK DEMAND FOR EASTERN MID-ATLANTIC
GEOGRAPHIC ZONE**



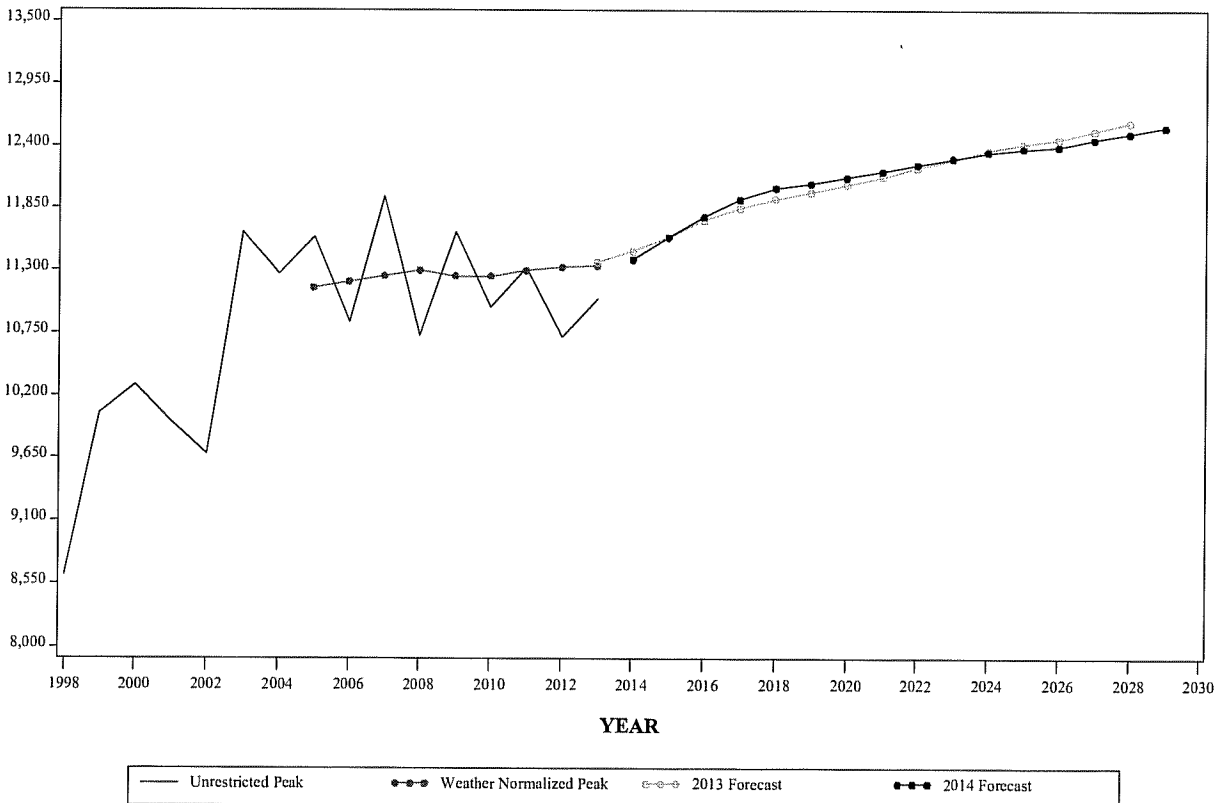
**WINTER PEAK DEMAND FOR EASTERN MID-ATLANTIC
GEOGRAPHIC ZONE**



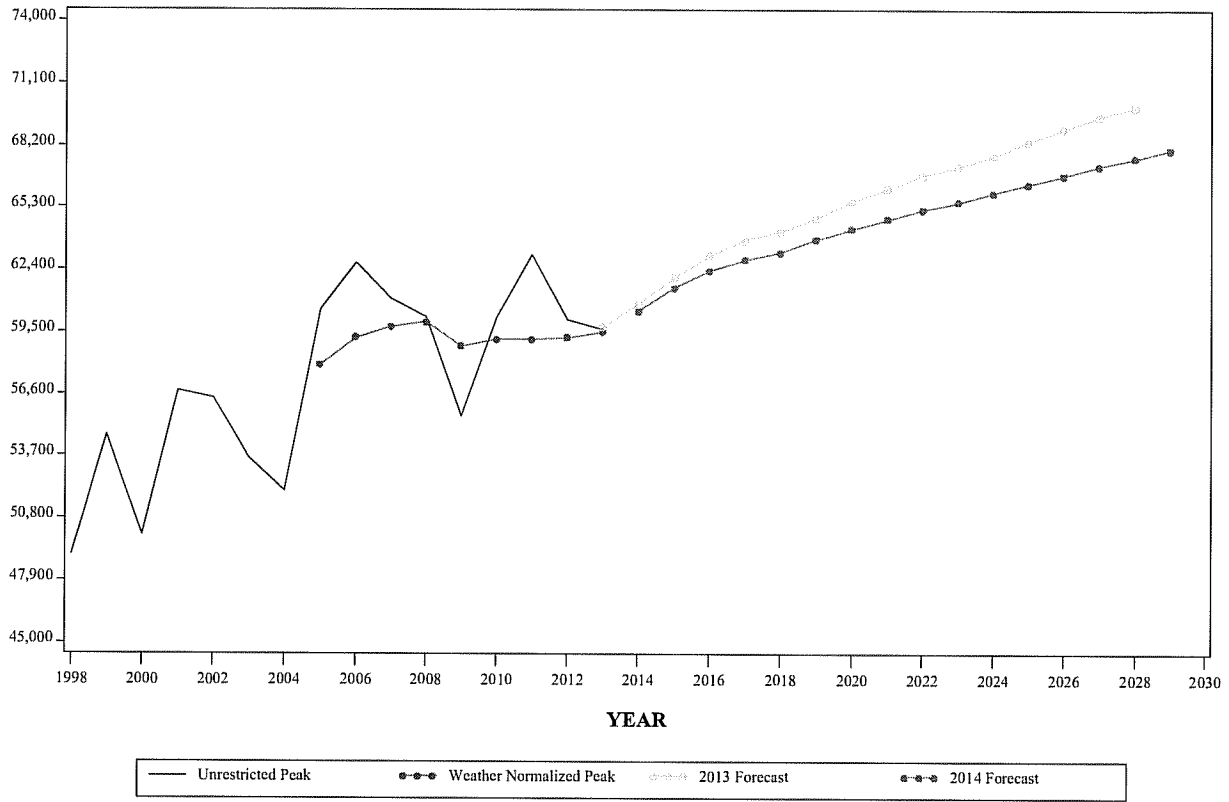
**SUMMER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC
GEOGRAPHIC ZONE**



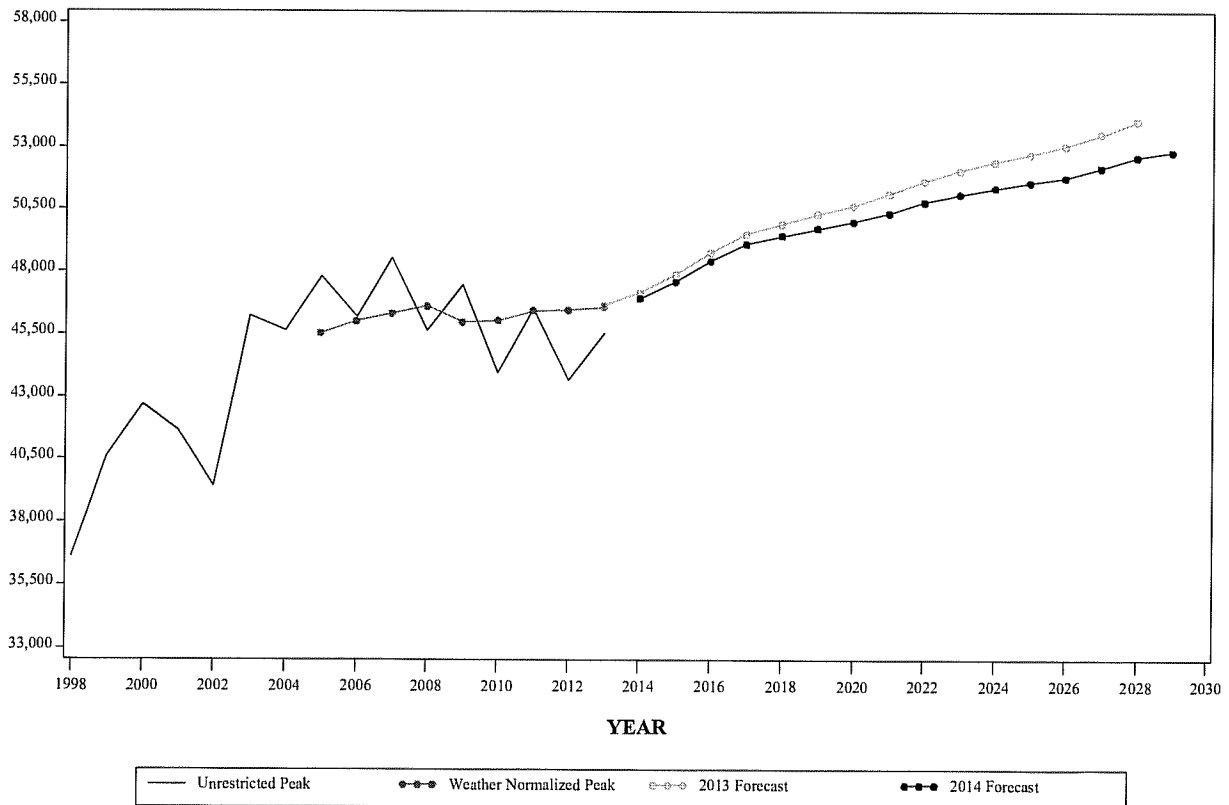
**WINTER PEAK DEMAND FOR SOUTHERN MID-ATLANTIC
GEOGRAPHIC ZONE**



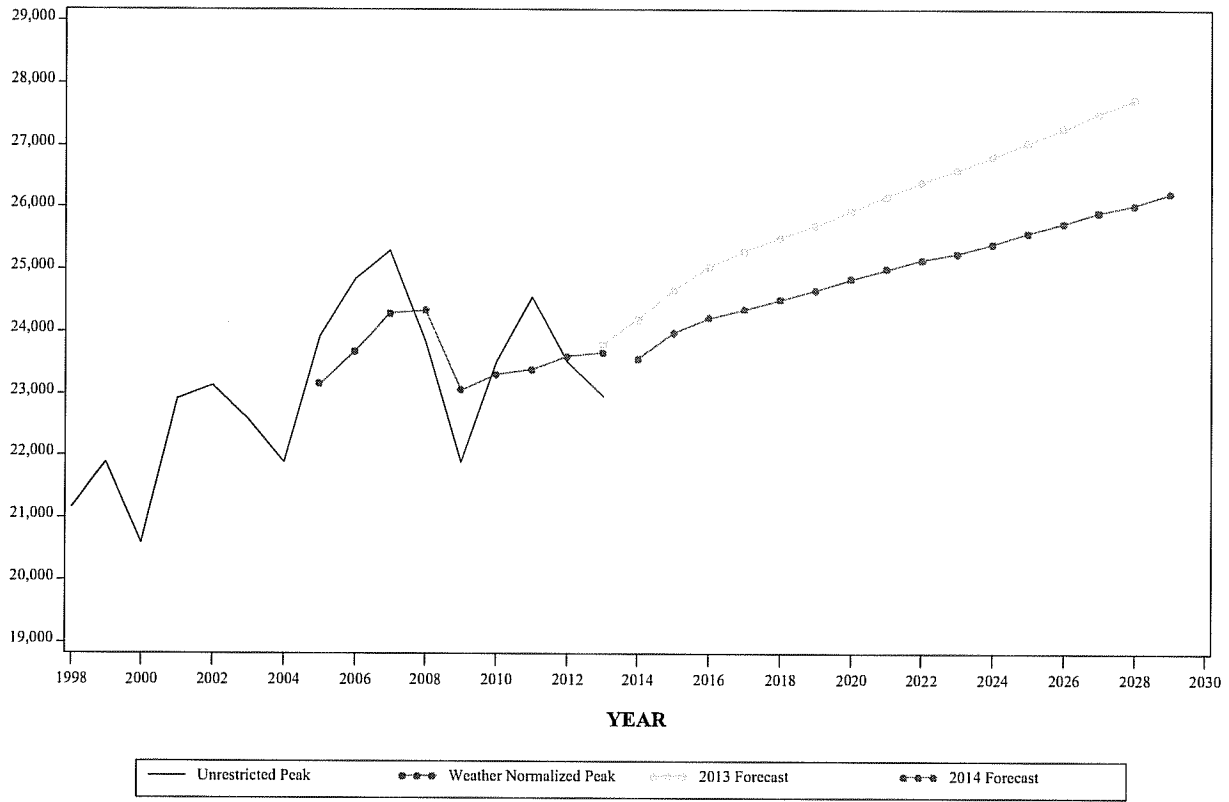
**SUMMER PEAK DEMAND FOR PJM MID-ATLANTIC
GEOGRAPHIC ZONE**



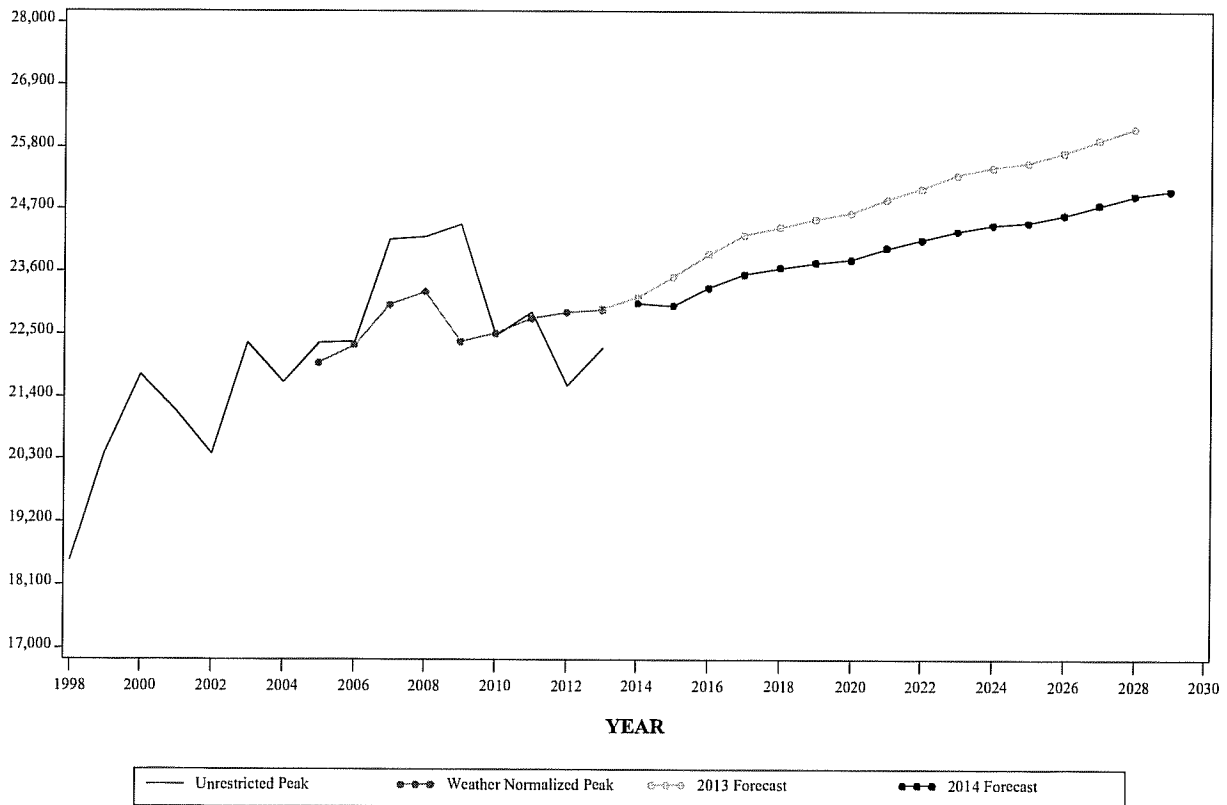
**WINTER PEAK DEMAND FOR PJM MID-ATLANTIC
GEOGRAPHIC ZONE**



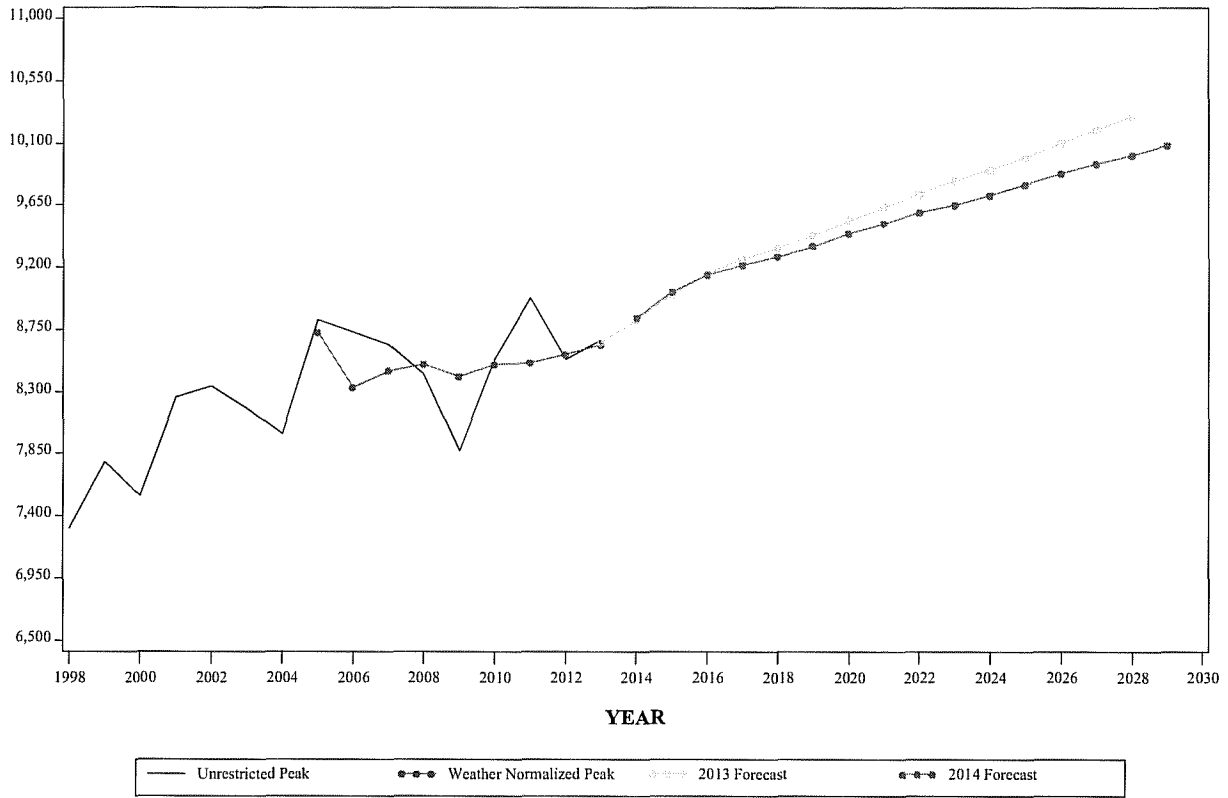
**SUMMER PEAK DEMAND FOR AEP
GEOGRAPHIC ZONE**



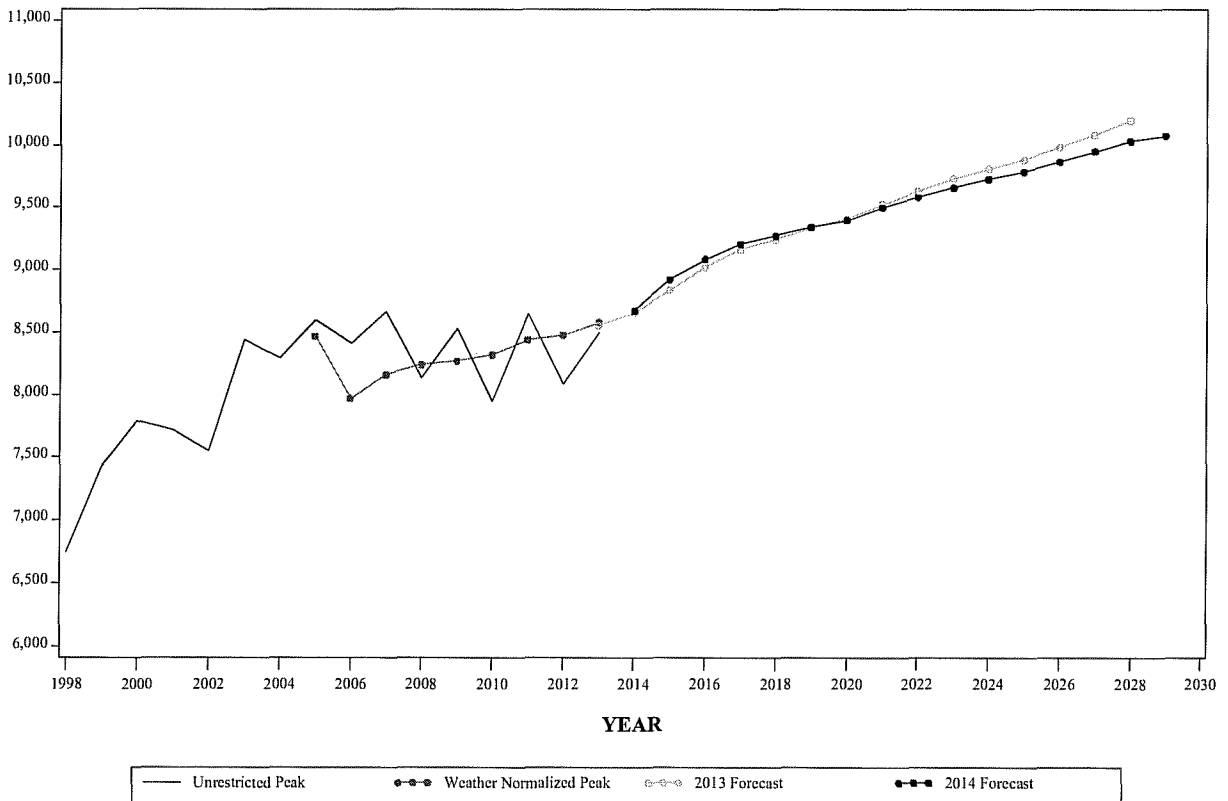
**WINTER PEAK DEMAND FOR AEP
GEOGRAPHIC ZONE**



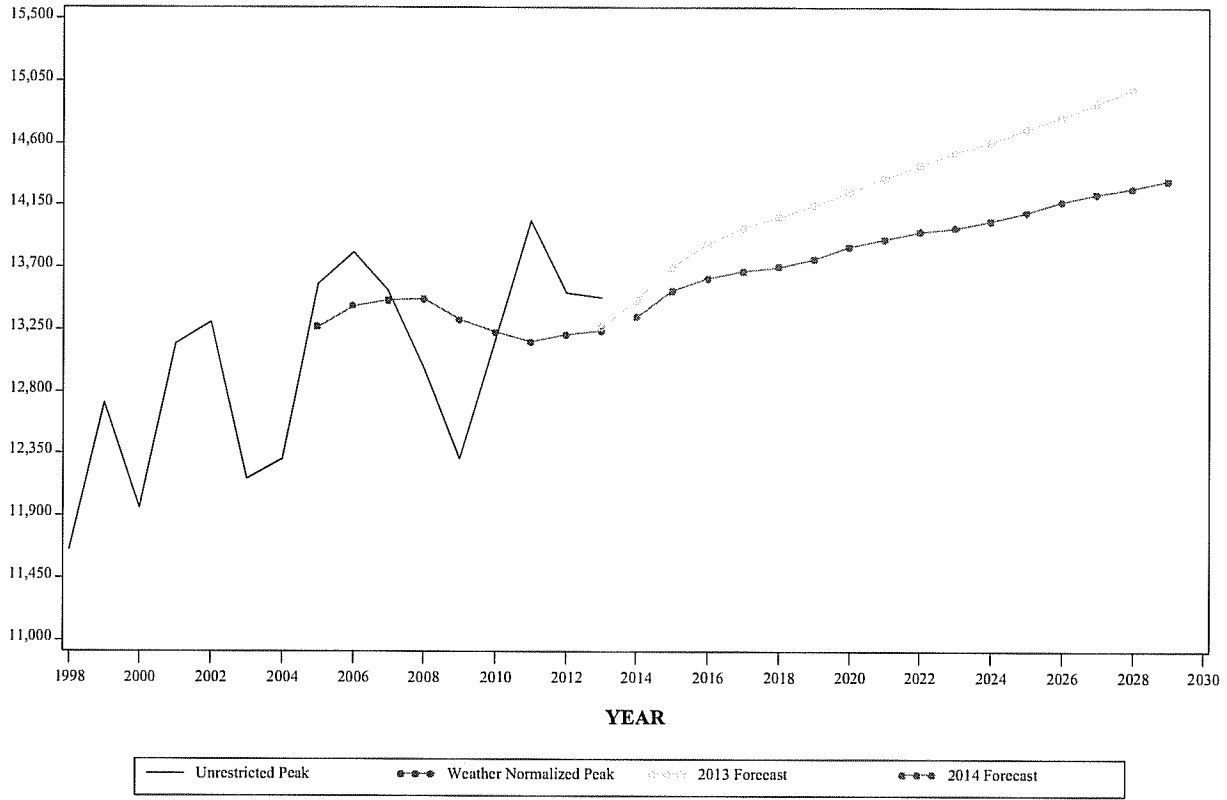
**SUMMER PEAK DEMAND FOR APS
GEOGRAPHIC ZONE**



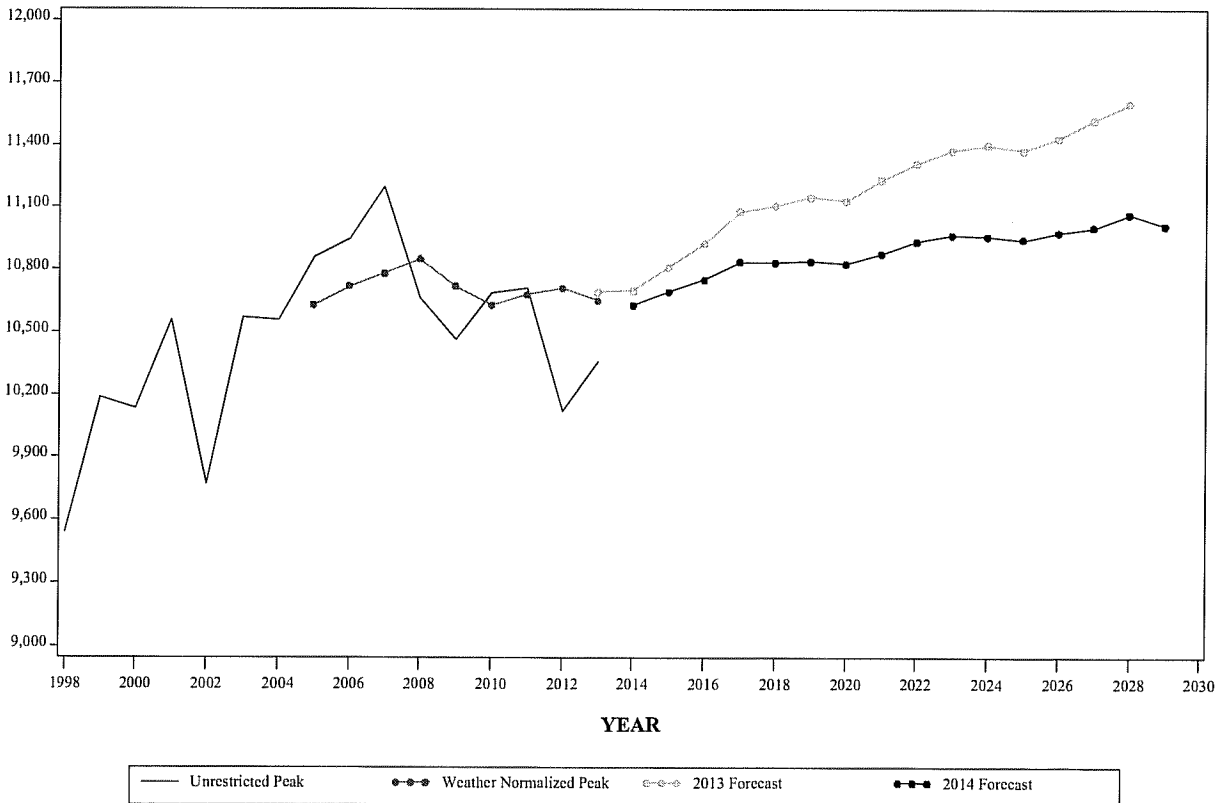
**WINTER PEAK DEMAND FOR APS
GEOGRAPHIC ZONE**



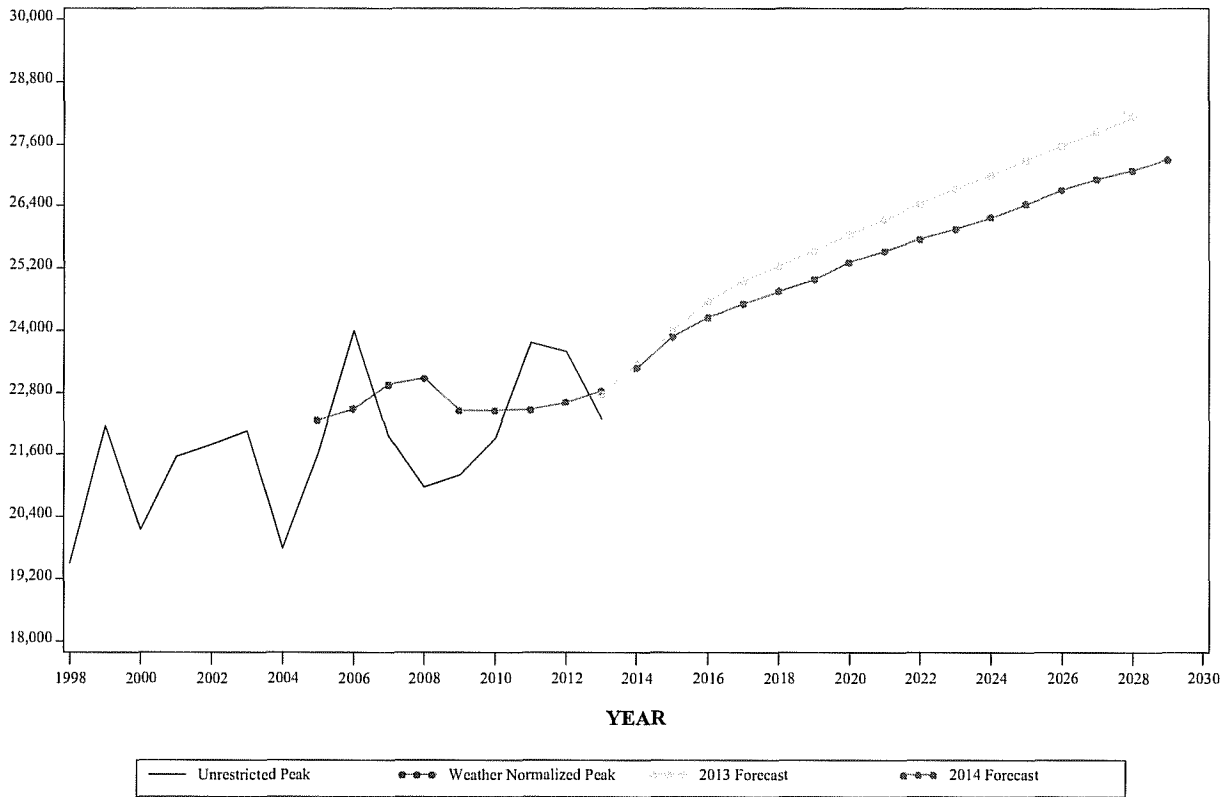
**SUMMER PEAK DEMAND FOR ATSI
GEOGRAPHIC ZONE**



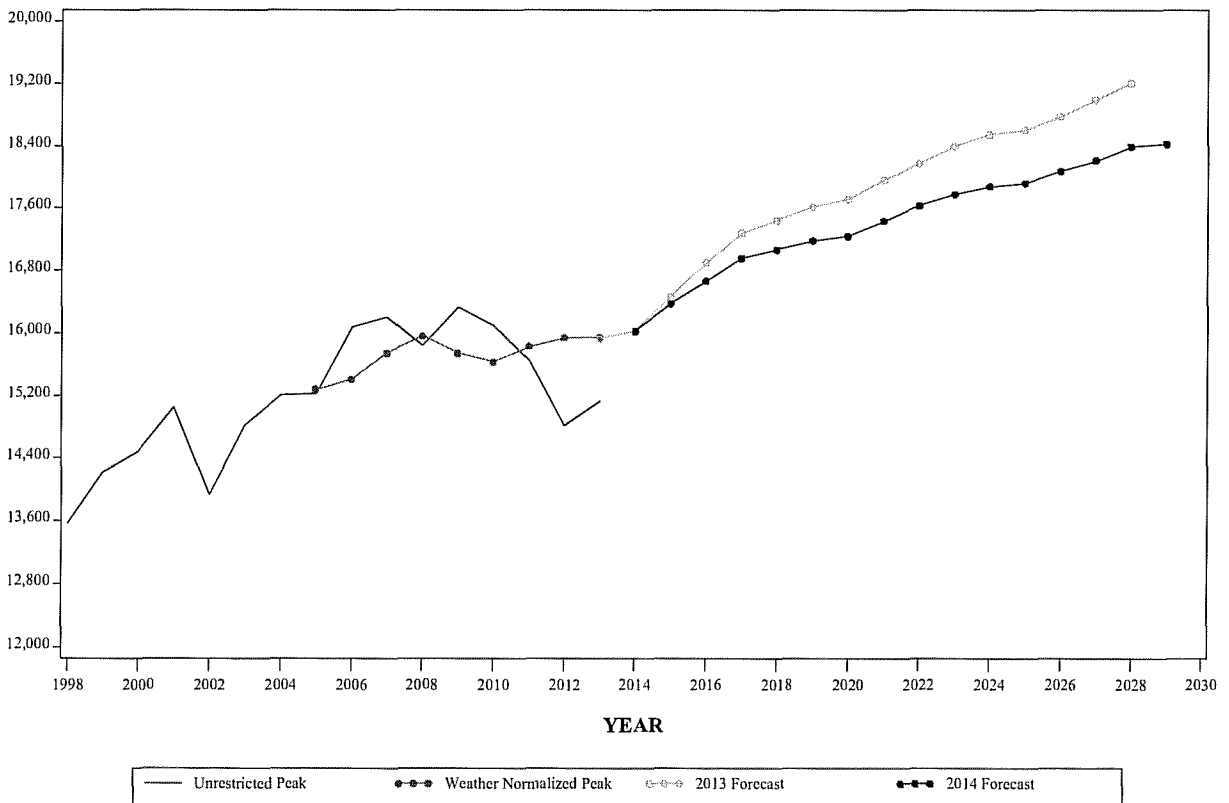
**WINTER PEAK DEMAND FOR ATSI
GEOGRAPHIC ZONE**



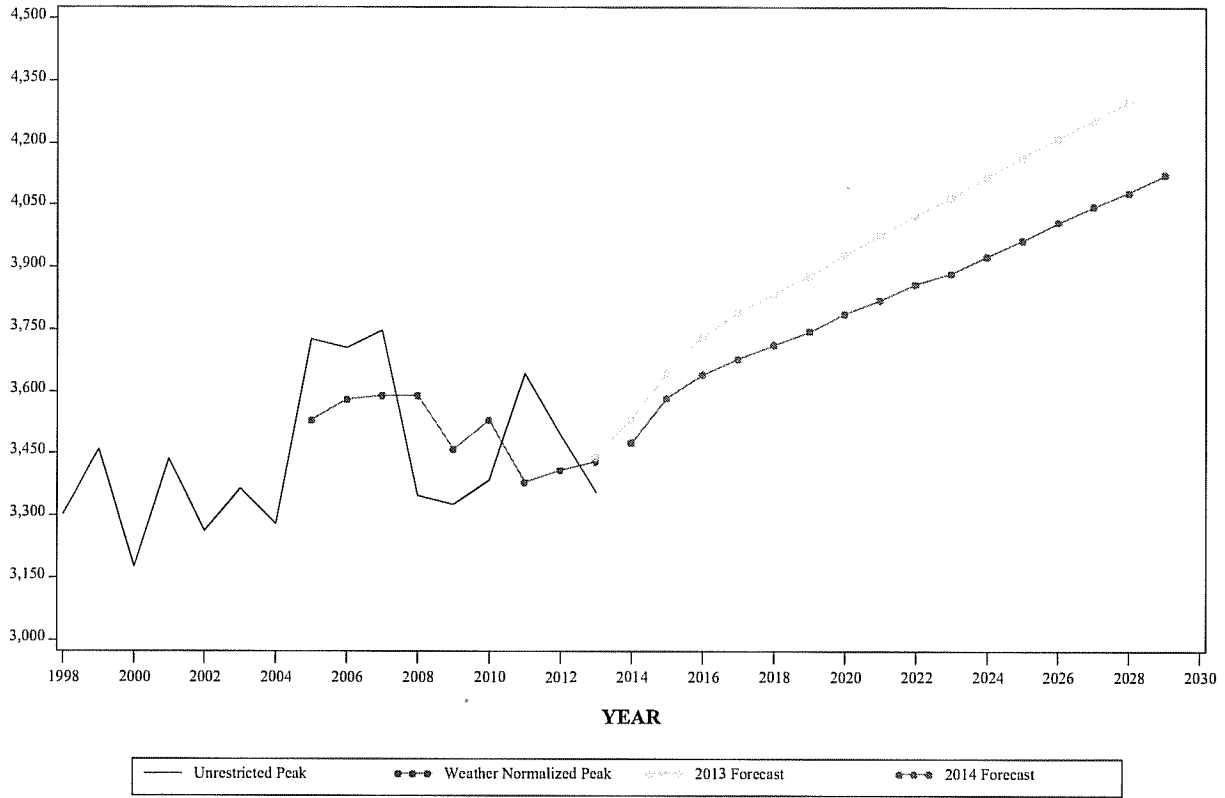
**SUMMER PEAK DEMAND FOR COMED
GEOGRAPHIC ZONE**



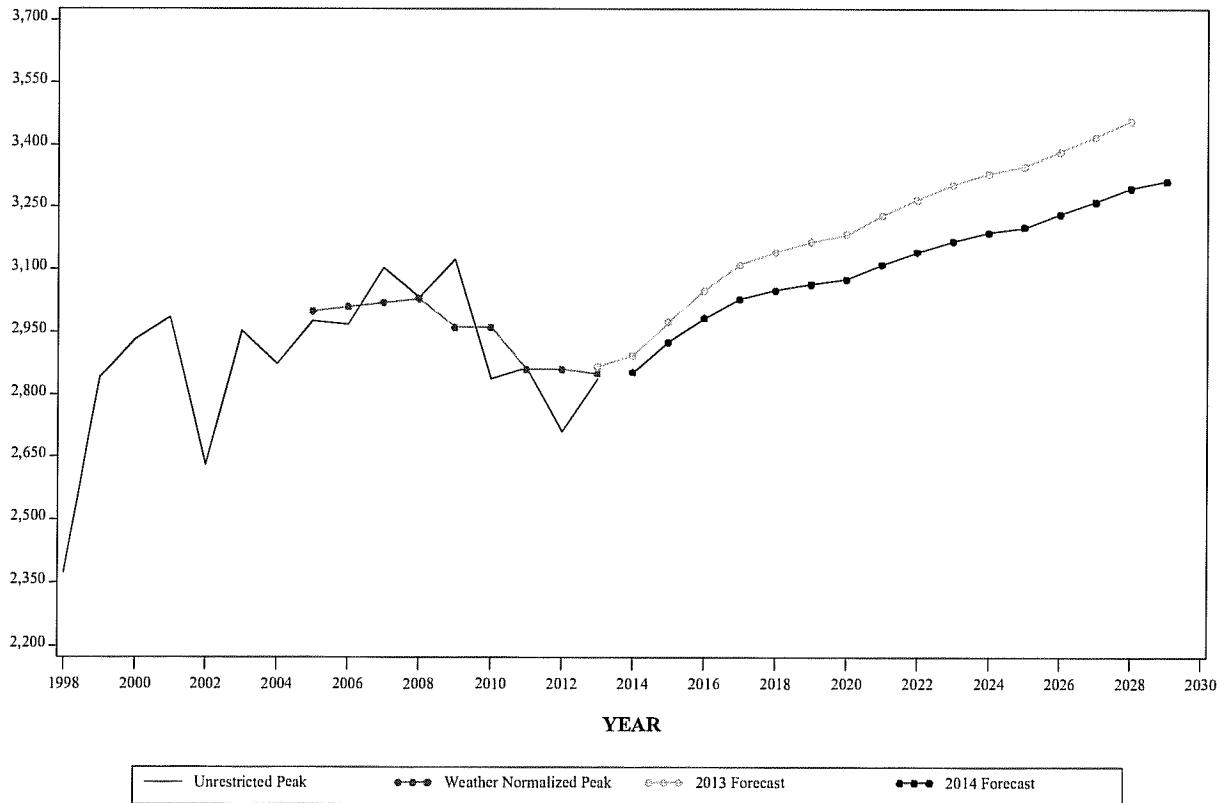
**WINTER PEAK DEMAND FOR COMED
GEOGRAPHIC ZONE**



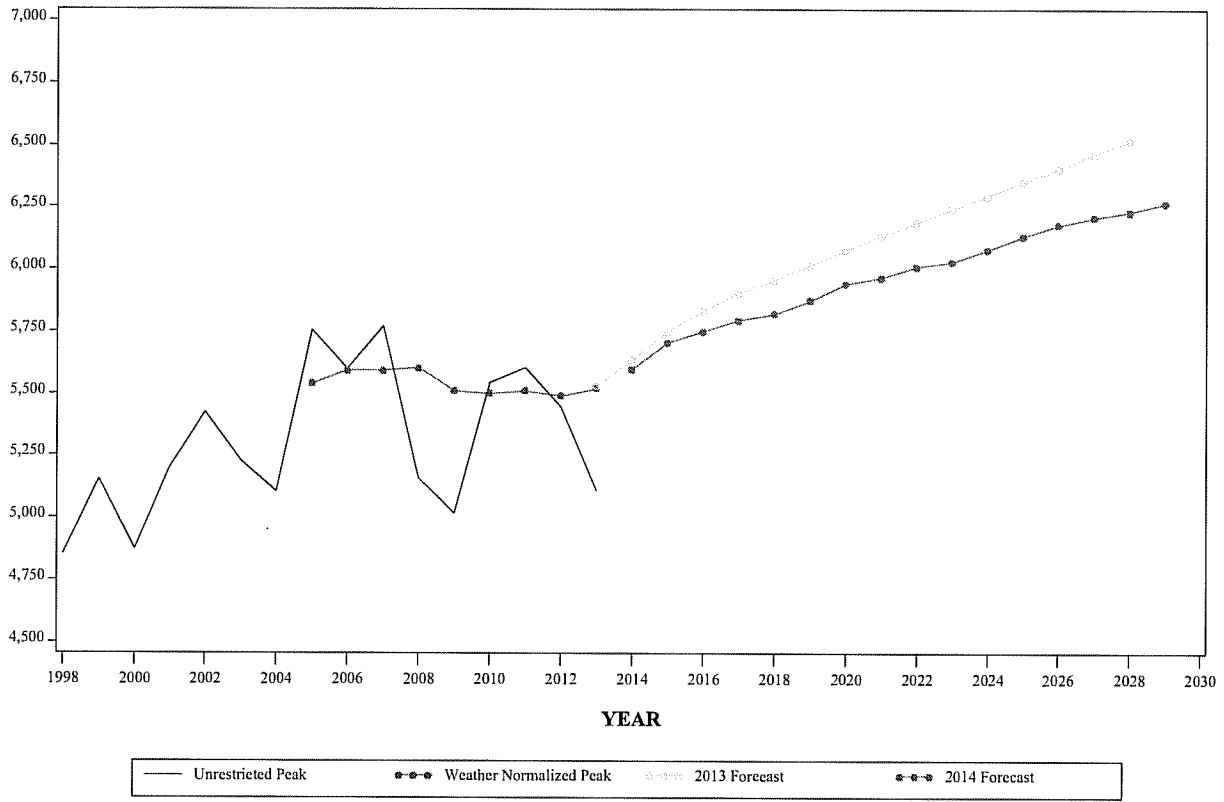
**SUMMER PEAK DEMAND FOR DAYTON
GEOGRAPHIC ZONE**



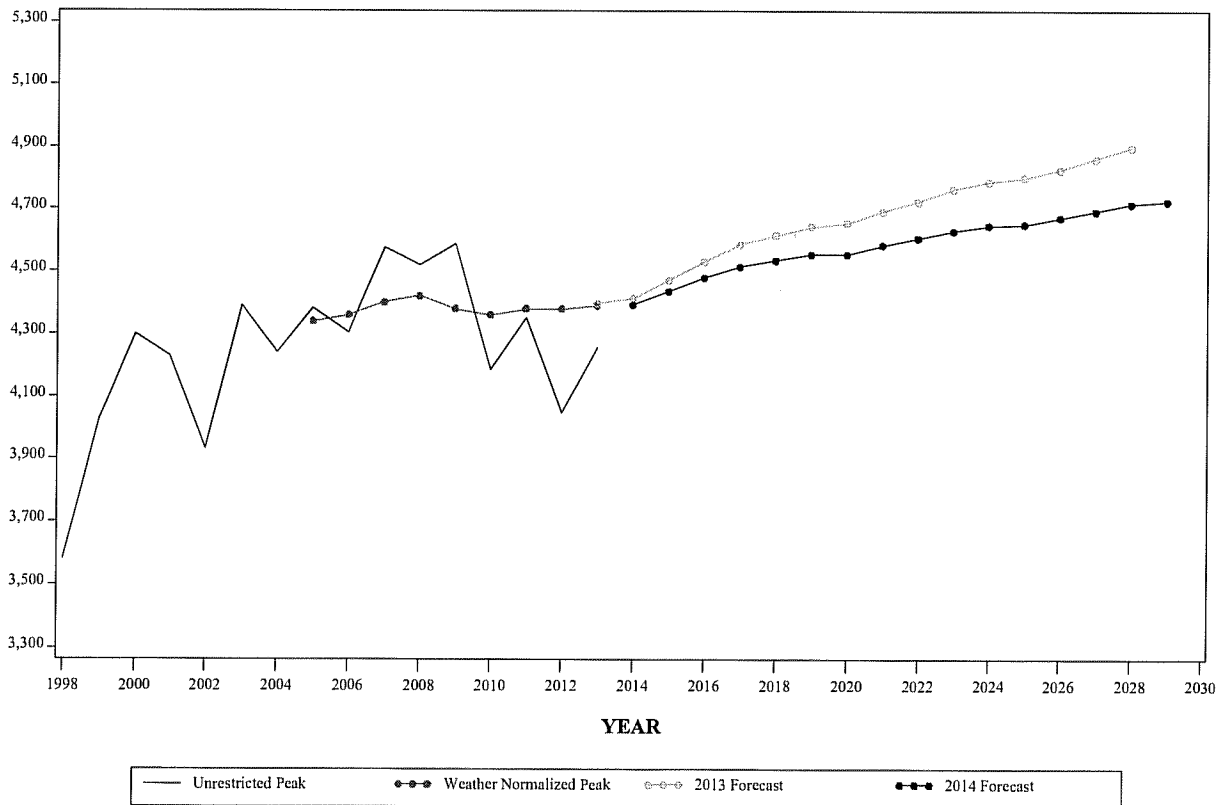
**WINTER PEAK DEMAND FOR DAYTON
GEOGRAPHIC ZONE**



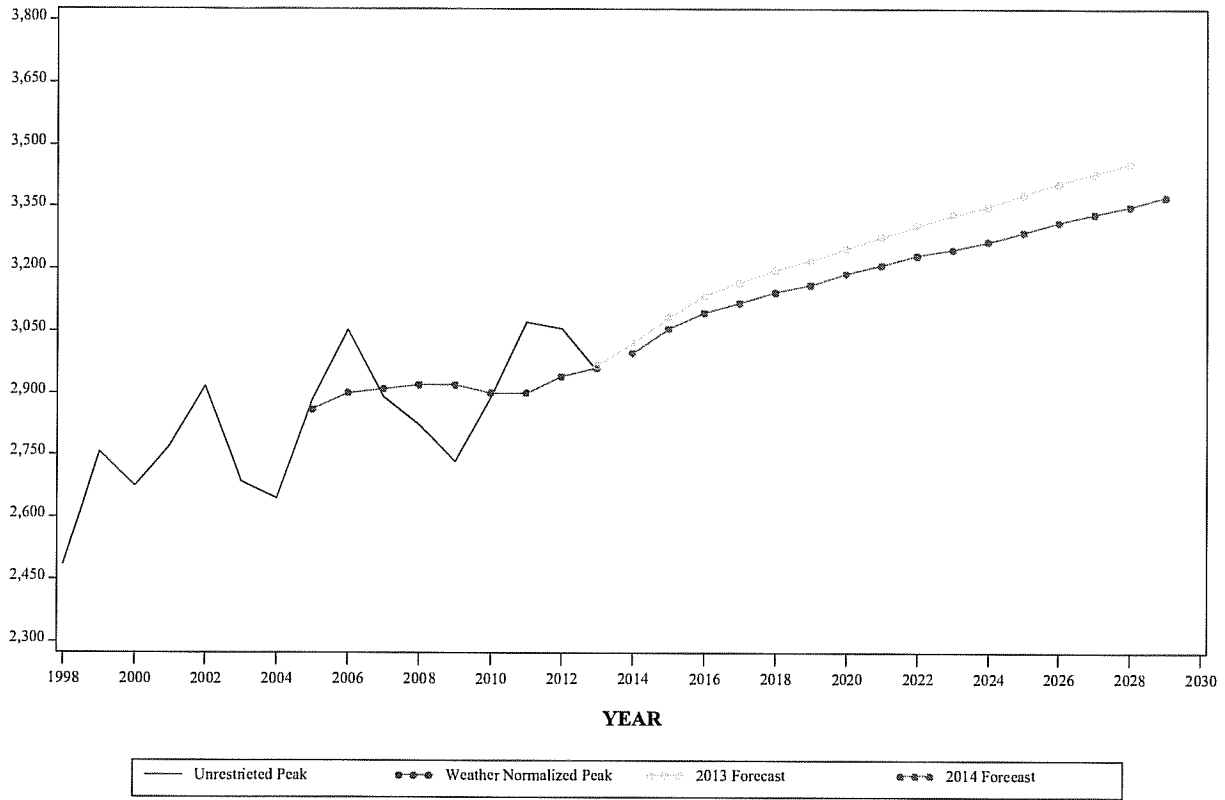
**SUMMER PEAK DEMAND FOR DEOK
GEOGRAPHIC ZONE**



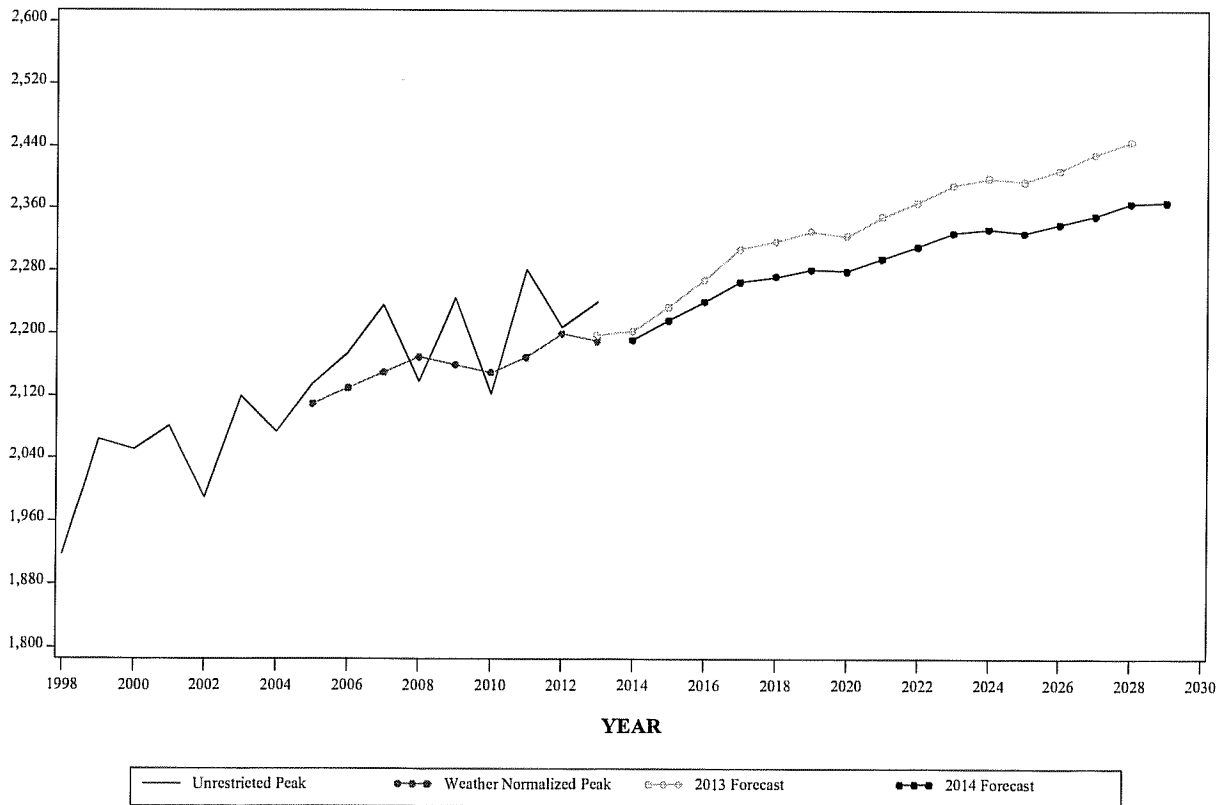
**WINTER PEAK DEMAND FOR DEOK
GEOGRAPHIC ZONE**



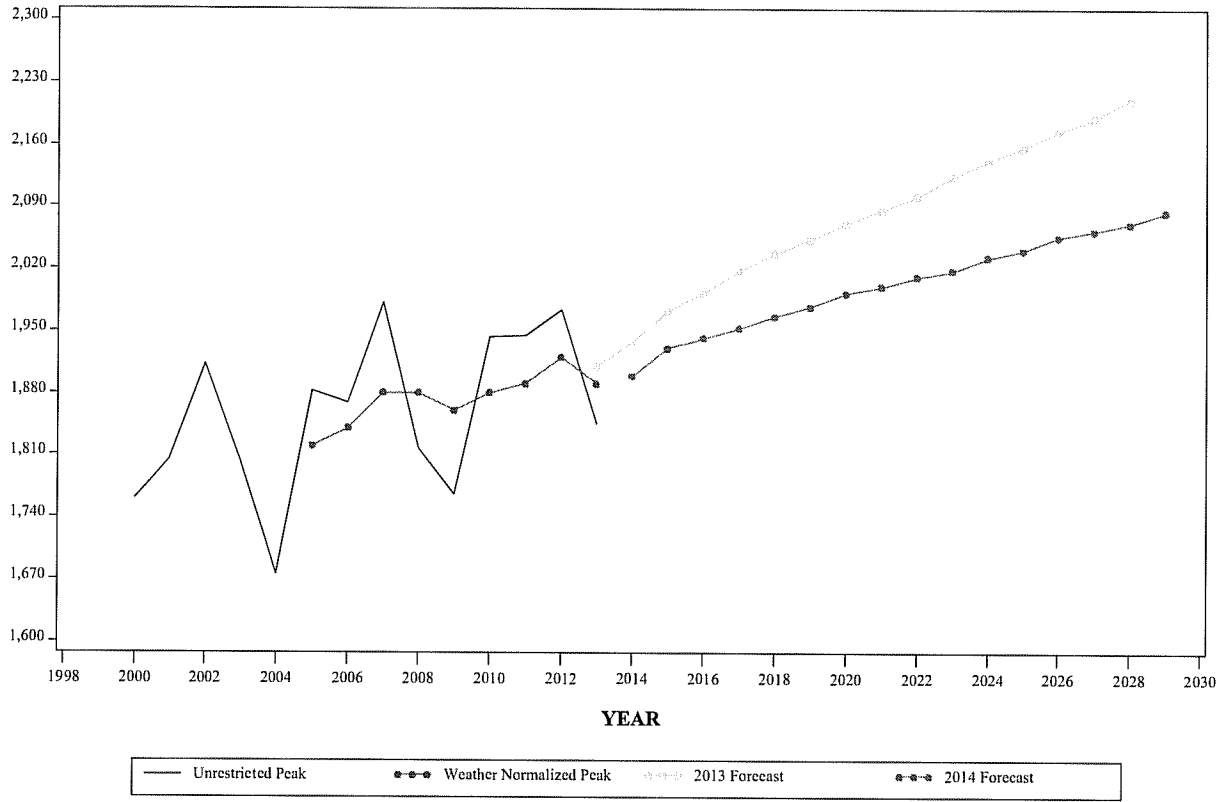
**SUMMER PEAK DEMAND FOR DLCO
GEOGRAPHIC ZONE**



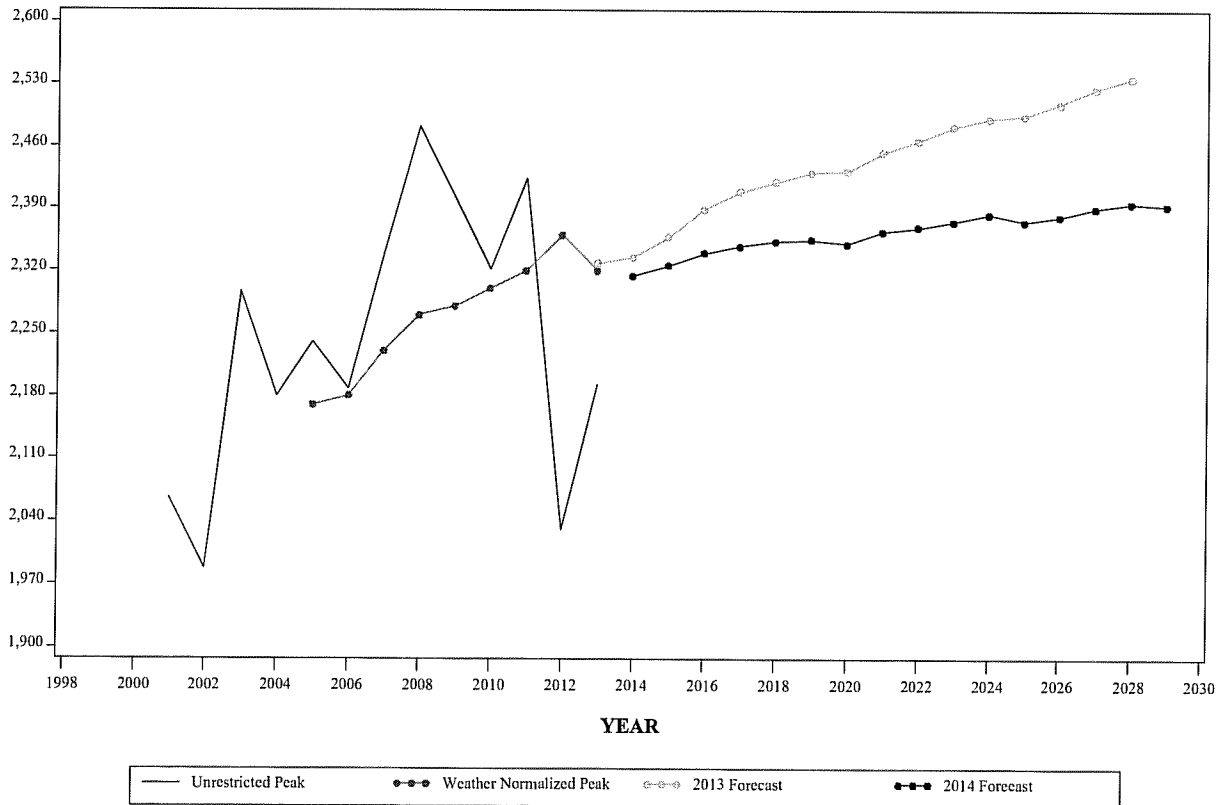
**WINTER PEAK DEMAND FOR DLCO
GEOGRAPHIC ZONE**



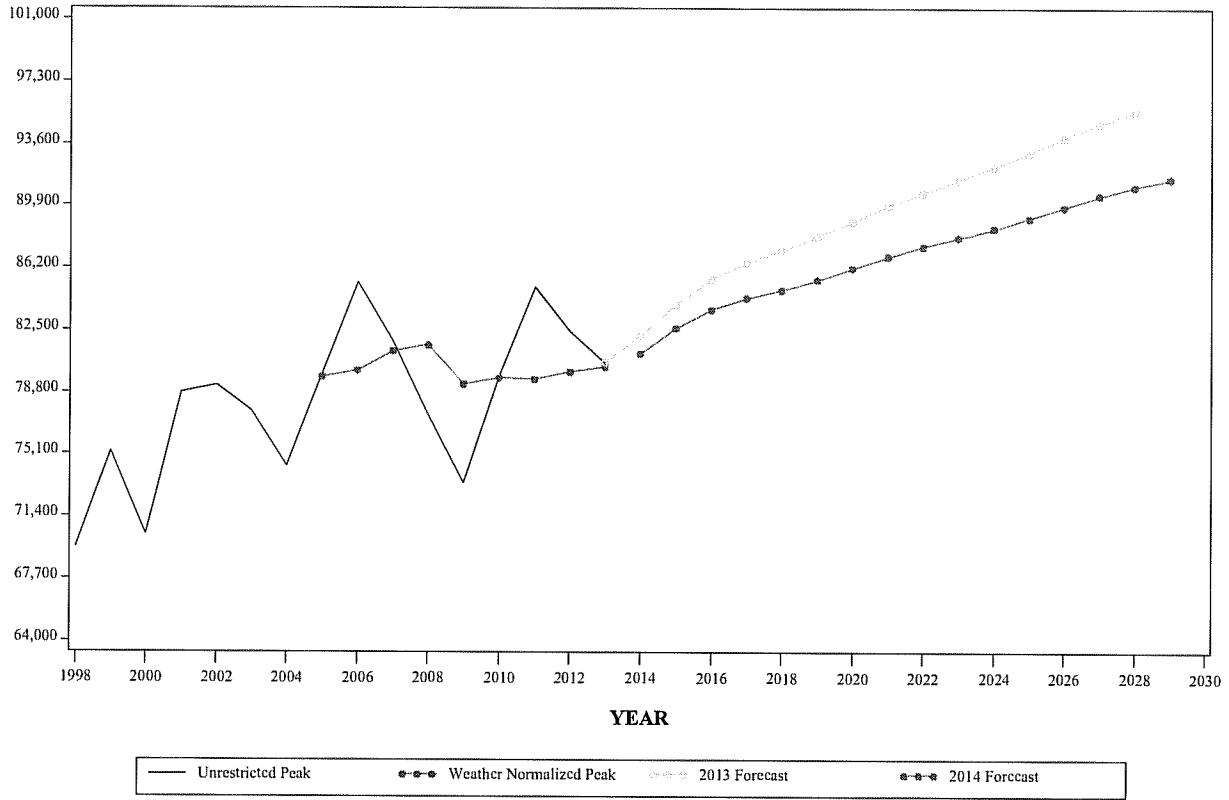
**SUMMER PEAK DEMAND FOR EKPC
GEOGRAPHIC ZONE**



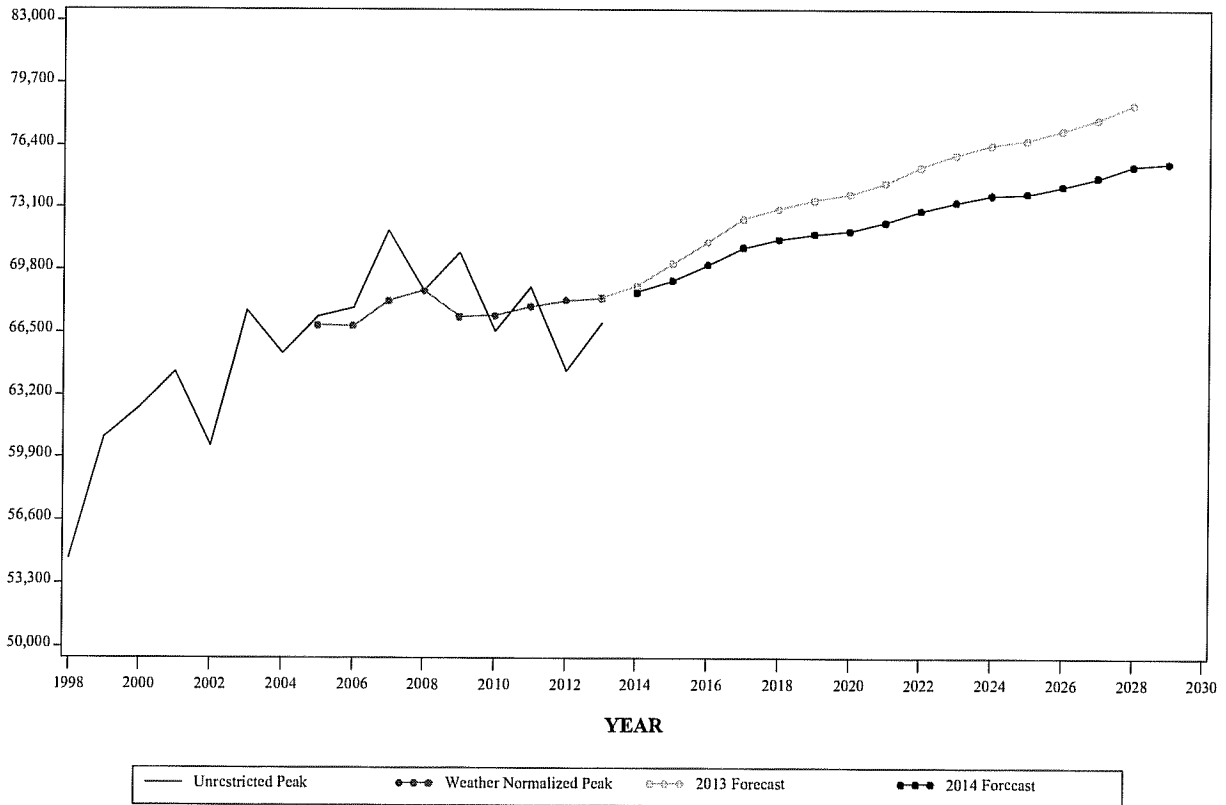
**WINTER PEAK DEMAND FOR EKPC
GEOGRAPHIC ZONE**



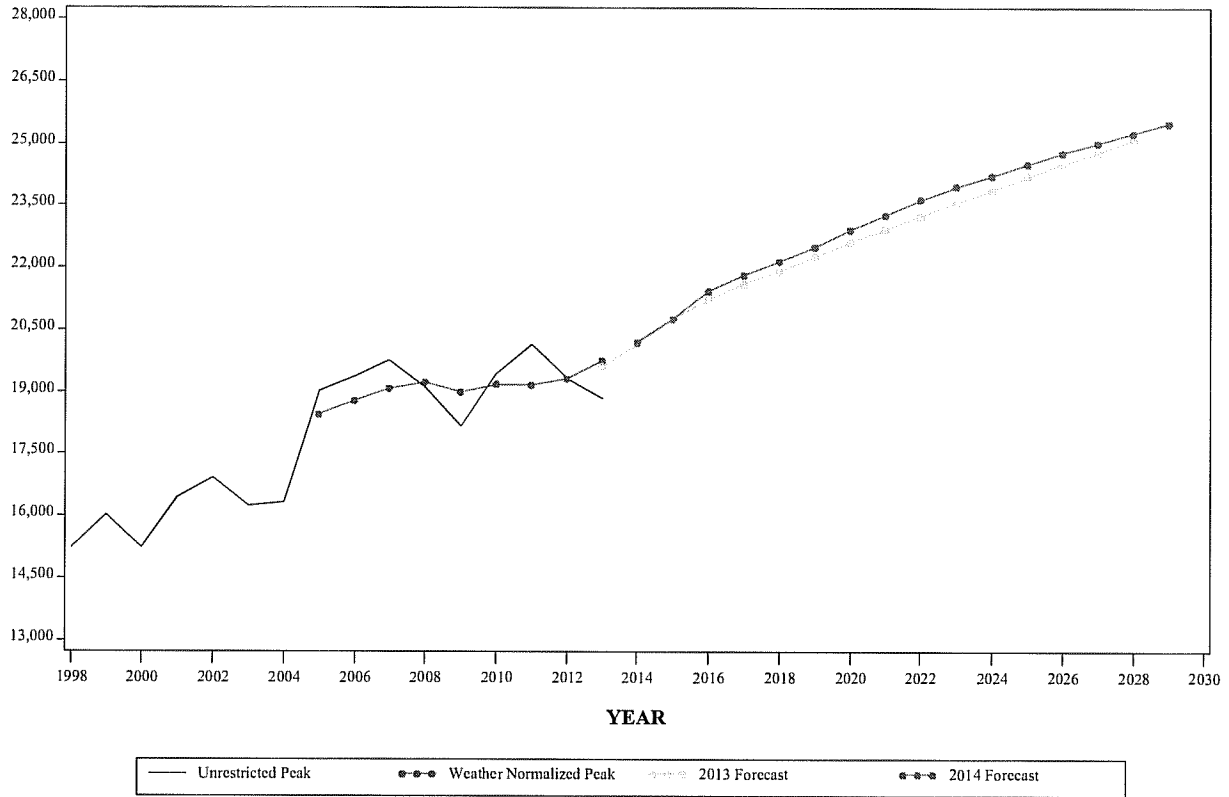
**SUMMER PEAK DEMAND FOR PJM WESTERN
GEOGRAPHIC ZONE**



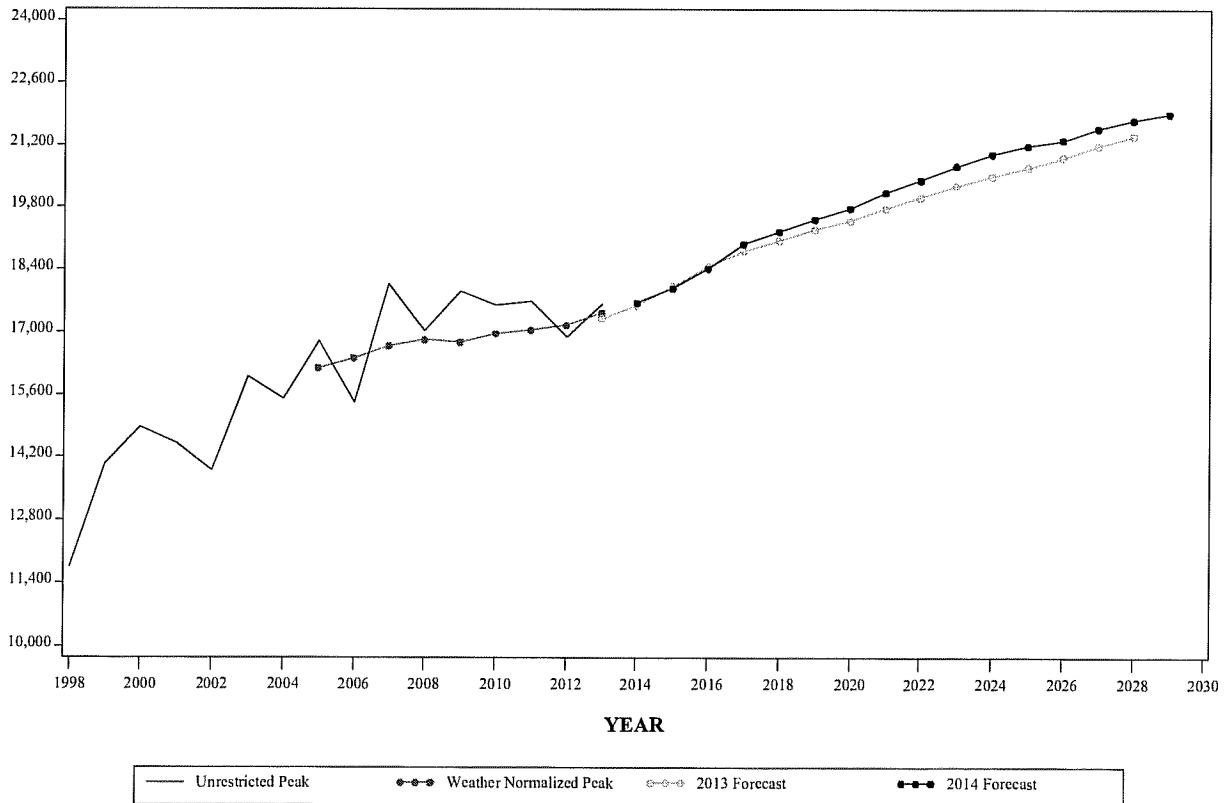
**WINTER PEAK DEMAND FOR PJM WESTERN
GEOGRAPHIC ZONE**



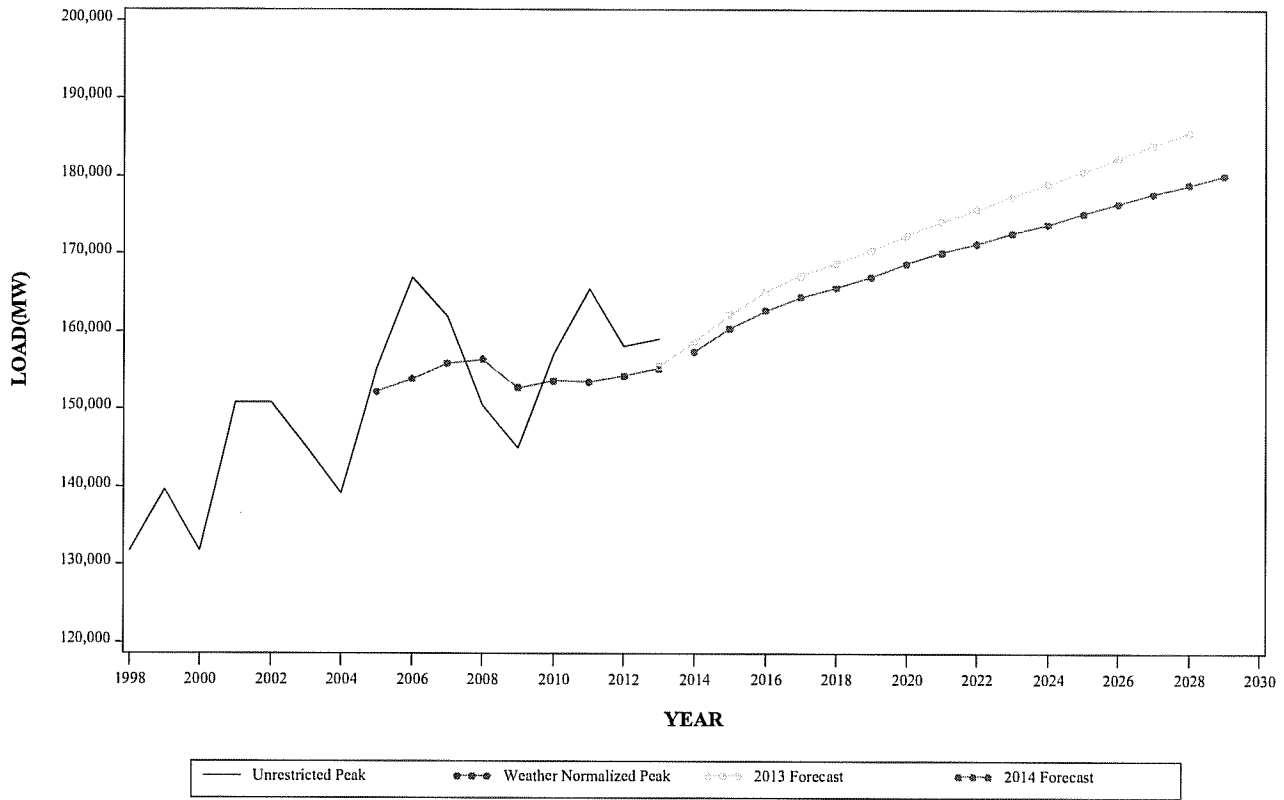
**SUMMER PEAK DEMAND FOR DOM
GEOGRAPHIC ZONE**



**WINTER PEAK DEMAND FOR DOM
GEOGRAPHIC ZONE**



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



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

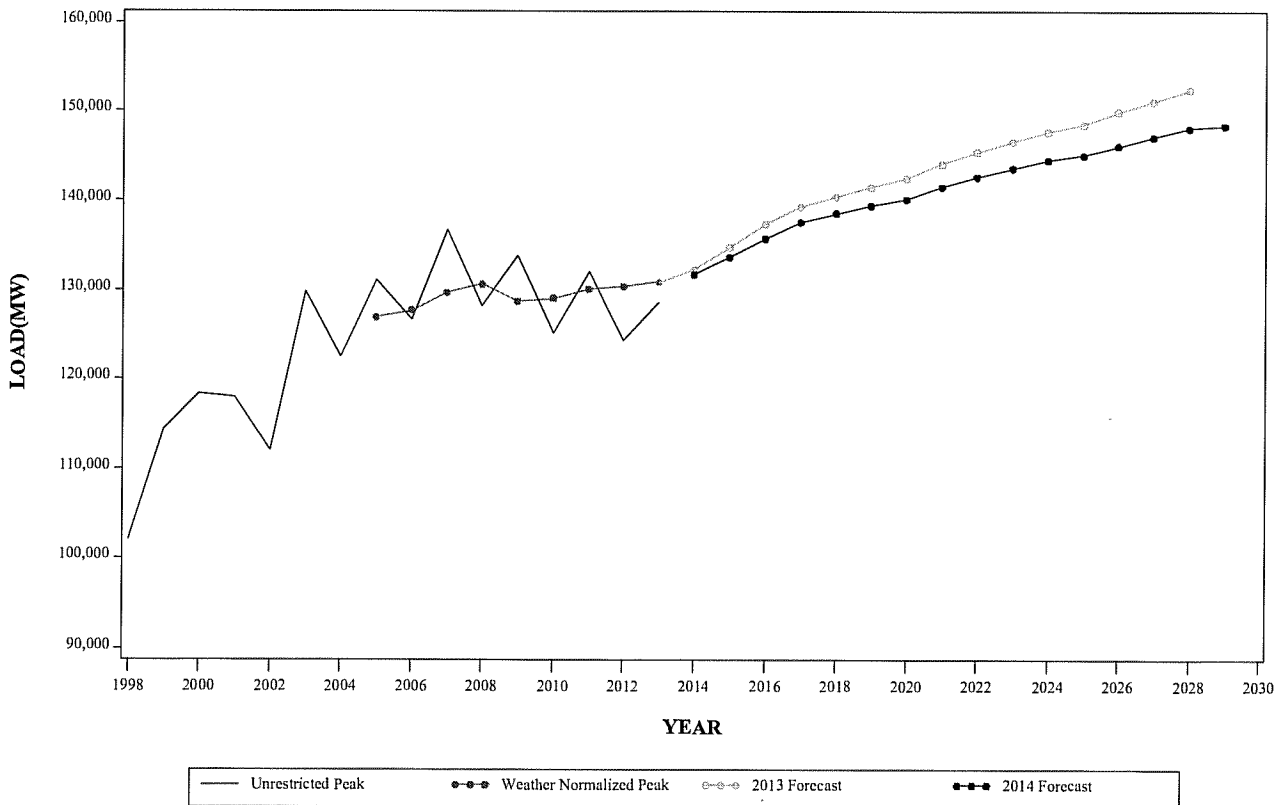


Table A-1

**PJM MID-ATLANTIC REGION
SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
TO THE JANUARY 2013 LOAD FORECAST REPORT**

INCREASE OR DECREASE OVER PRIOR FORECAST

	2014		2019		2024	
	MW	%	MW	%	MW	%
AE	(34)	-1.2%	(74)	-2.5%	(102)	-3.3%
BGE	70	1.0%	108	1.4%	3	0.0%
DPL	(37)	-0.9%	(100)	-2.2%	(164)	-3.4%
JCPL	(11)	-0.2%	(74)	-1.1%	(149)	-2.1%
METED	(28)	-0.9%	(68)	-2.0%	(105)	-3.0%
PECO	(58)	-0.7%	(191)	-2.0%	(298)	-2.9%
PENLC	(36)	-1.2%	(92)	-2.8%	(135)	-3.8%
PEPCO	(65)	-0.9%	(129)	-1.8%	(181)	-2.4%
PL	(69)	-0.9%	(175)	-2.2%	(258)	-3.1%
PS	(84)	-0.8%	(234)	-2.1%	(342)	-3.0%
RECO	(2)	-0.5%	(6)	-1.4%	(9)	-2.0%
UGI	(1)	-0.5%	(1)	-0.5%	(2)	-0.9%
PJM MID-ATLANTIC	(327)	-0.5%	(965)	-1.5%	(1,732)	-2.6%
FE-EAST	(84)	-0.7%	(283)	-2.1%	(444)	-3.2%
PLGRP	(69)	-0.9%	(183)	-2.3%	(265)	-3.1%

Table A-1

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
 SUMMER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
 TO THE JANUARY 2013 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	2014		2019		2024	
	MW	%	MW	%	MW	%
AEP	(634)	-2.6%	(1,045)	-4.1%	(1,406)	-5.2%
APS	14	0.2%	(78)	-0.8%	(184)	-1.9%
ATSI	(118)	-0.9%	(388)	-2.7%	(570)	-3.9%
COMED	(68)	-0.3%	(538)	-2.1%	(817)	-3.0%
DAYTON	(58)	-1.6%	(135)	-3.5%	(192)	-4.7%
DEOK	(37)	-0.7%	(139)	-2.3%	(215)	-3.4%
DLCO	(24)	-0.8%	(58)	-1.8%	(85)	-2.5%
EKPC	(39)	-2.0%	(76)	-3.7%	(108)	-5.0%
PJM WESTERN	(1,071)	-1.3%	(2,575)	-2.9%	(3,670)	-4.0%
DOM	43	0.2%	239	1.1%	368	1.5%
PJM RTO	(1,318)	-0.8%	(3,457)	-2.0%	(5,190)	-2.9%

Table A-2

PJM MID-ATLANTIC REGION
 WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
 TO THE JANUARY 2013 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	13/14		18/19		23/24	
	MW	%	MW	%	MW	%
AE	(27)	-1.5%	(61)	-3.2%	(77)	-4.0%
BGE	(38)	-0.6%	163	2.6%	116	1.8%
DPL	(7)	-0.2%	(34)	-0.9%	(69)	-1.8%
JCPL	(19)	-0.5%	(104)	-2.4%	(162)	-3.6%
METED	(10)	-0.4%	(50)	-1.7%	(73)	-2.4%
PECO	(8)	-0.1%	(115)	-1.6%	(192)	-2.5%
PENLC	(24)	-0.8%	(74)	-2.2%	(109)	-3.1%
PEPCO	(31)	-0.6%	(88)	-1.5%	(128)	-2.1%
PL	(24)	-0.3%	(111)	-1.4%	(169)	-2.1%
PS	(47)	-0.7%	(142)	-1.9%	(212)	-2.8%
RECO	1	0.4%	(1)	-0.4%	(1)	-0.4%
UGI	0	0.0%	(2)	-0.9%	(2)	-0.9%
PJM MID-ATLANTIC	(206)	-0.4%	(586)	-1.2%	(1,056)	-2.0%
FE-EAST	(49)	-0.5%	(216)	-2.1%	(334)	-3.0%
PLGRP	(27)	-0.4%	(117)	-1.5%	(174)	-2.1%

Table A-2

PJM WESTERN REGION, PJM SOUTHERN REGION AND PJM RTO
 WINTER PEAK LOAD COMPARISONS OF THE CURRENT FORECAST
 TO THE JANUARY 2013 LOAD FORECAST REPORT

INCREASE OR DECREASE OVER PRIOR FORECAST

	13/14		18/19		23/24	
	MW	%	MW	%	MW	%
AEP	(96)	-0.4%	(765)	-3.1%	(1,006)	-4.0%
APS	15	0.2%	6	0.1%	(84)	-0.9%
ATSI	(70)	-0.7%	(306)	-2.7%	(440)	-3.9%
COMED	(10)	-0.1%	(436)	-2.5%	(666)	-3.6%
DAYTON	(41)	-1.4%	(101)	-3.2%	(143)	-4.3%
DEOK	(23)	-0.5%	(90)	-1.9%	(140)	-2.9%
DLCO	(11)	-0.5%	(49)	-2.1%	(65)	-2.7%
EKPC	(21)	-0.9%	(75)	-3.1%	(108)	-4.3%
PJM WESTERN	(329)	-0.5%	(1,785)	-2.4%	(2,639)	-3.5%
DOM	51	0.3%	237	1.2%	498	2.4%
PJM RTO	(510)	-0.4%	(2,074)	-1.5%	(3,234)	-2.2%

Table B-1

SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014 - 2024

	METERED 2013	UNRESTRICTED 2013	NORMAL 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
AE	2,740	2,740	2,700	2,750	2,806	2,840	2,860	2,877	2,891	2,910	2,928	2,946	2,954	2,969	0.8%
				1.9%	2.0%	1.2%	0.7%	0.6%	0.5%	0.7%	0.6%	0.6%	0.3%	0.5%	
BGE	6,831	7,039	7,220	7,403	7,579	7,705	7,788	7,823	7,878	7,941	7,985	8,026	8,053	8,094	0.9%
				2.5%	2.4%	1.7%	1.1%	0.4%	0.7%	0.8%	0.6%	0.5%	0.3%	0.5%	
DPL	4,019	4,019	4,130	4,181	4,261	4,314	4,351	4,388	4,427	4,470	4,504	4,538	4,562	4,600	1.0%
				1.2%	1.9%	1.2%	0.9%	0.9%	0.9%	1.0%	0.8%	0.8%	0.5%	0.8%	
JCPL	6,379	6,379	6,270	6,361	6,494	6,584	6,629	6,651	6,721	6,788	6,828	6,882	6,897	6,944	0.9%
				1.5%	2.1%	1.4%	0.7%	0.3%	1.1%	1.0%	0.6%	0.8%	0.2%	0.7%	
METED	3,013	3,013	2,970	3,019	3,096	3,147	3,189	3,222	3,260	3,303	3,339	3,378	3,408	3,444	1.3%
				1.6%	2.6%	1.6%	1.3%	1.0%	1.2%	1.3%	1.1%	1.2%	0.9%	1.1%	
PECO	8,619	8,655	8,720	8,843	9,032	9,147	9,237	9,330	9,421	9,522	9,602	9,684	9,746	9,827	1.1%
				1.4%	2.1%	1.3%	1.0%	1.0%	1.0%	1.1%	0.8%	0.9%	0.6%	0.8%	
PENLC	3,088	3,088	2,910	2,966	3,059	3,122	3,168	3,203	3,246	3,292	3,332	3,372	3,404	3,441	1.5%
				1.9%	3.1%	2.1%	1.5%	1.1%	1.3%	1.4%	1.2%	1.2%	0.9%	1.1%	
PEPCO	6,534	6,534	6,810	6,870	6,948	6,985	7,005	7,037	7,086	7,150	7,177	7,208	7,207	7,249	0.5%
				0.9%	1.1%	0.5%	0.3%	0.5%	0.7%	0.9%	0.4%	0.4%	-0.0%	0.6%	
PL	7,190	7,328	7,240	7,334	7,477	7,568	7,635	7,686	7,767	7,842	7,901	7,970	8,013	8,079	1.0%
				1.3%	1.9%	1.2%	0.9%	0.7%	1.1%	1.0%	0.8%	0.9%	0.5%	0.8%	
PS	10,415	10,415	10,530	10,614	10,760	10,845	10,888	10,915	10,974	11,034	11,080	11,127	11,139	11,185	0.5%
				0.8%	1.4%	0.8%	0.4%	0.2%	0.5%	0.4%	0.4%	0.4%	0.1%	0.4%	
RECO	439	439	420	423	427	430	431	432	433	436	438	438	438	439	0.4%
				0.7%	0.9%	0.7%	0.2%	0.2%	0.2%	0.7%	0.5%	0.0%	0.0%	0.2%	
UGI	205	205	200	198	202	205	207	208	210	212	214	215	216	218	1.0%
				-1.0%	2.0%	1.5%	1.0%	0.5%	1.0%	1.0%	0.9%	0.5%	0.5%	0.9%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	59,119	59,580	59,505	511	597	547	513	591	493	593	559	574	465	507	0.9%
				60,451	61,544	62,345	62,875	63,181	63,821	64,307	64,769	65,210	65,572	65,982	
				1.6%	1.8%	1.3%	0.9%	0.5%	1.0%	0.8%	0.7%	0.7%	0.6%	0.6%	
FE-EAST	12,402	12,402	11,960	12,174	12,434	12,638	12,778	12,887	13,016	13,143	13,266	13,392	13,490	13,612	1.1%
				1.8%	2.1%	1.6%	1.1%	0.9%	1.0%	1.0%	0.9%	0.9%	0.7%	0.9%	
PLGRP	7,393	7,532	7,410	7,507	7,639	7,742	7,822	7,873	7,950	8,015	8,083	8,150	8,210	8,274	1.0%
				1.3%	1.8%	1.3%	1.0%	0.7%	1.0%	0.8%	0.8%	0.8%	0.7%	0.8%	

Notes:

Normal 2013 and all forecast values are non-coincident as estimated by PJM staff.

Normal 2013 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
2025 - 2029

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AE	2,985	3,003	3,019	3,031	3,050	0.7%
	0.5%	0.6%	0.5%	0.4%	0.6%	
BGE	8,140	8,192	8,222	8,250	8,288	0.8%
	0.6%	0.6%	0.4%	0.3%	0.5%	
DPL	4,635	4,671	4,701	4,721	4,753	0.9%
	0.8%	0.8%	0.6%	0.4%	0.7%	
JCPL	6,992	7,048	7,086	7,126	7,149	0.8%
	0.7%	0.8%	0.5%	0.6%	0.3%	
METED	3,483	3,524	3,560	3,594	3,632	1.2%
	1.1%	1.2%	1.0%	1.0%	1.1%	
PECO	9,910	9,996	10,073	10,145	10,227	1.0%
	0.8%	0.9%	0.8%	0.7%	0.8%	
PENLC	3,480	3,519	3,554	3,584	3,610	1.3%
	1.1%	1.1%	1.0%	0.8%	0.7%	
PEPCO	7,299	7,337	7,357	7,362	7,381	0.5%
	0.7%	0.5%	0.3%	0.1%	0.3%	
PL	8,146	8,211	8,270	8,319	8,368	0.9%
	0.8%	0.8%	0.7%	0.6%	0.6%	
PS	11,235	11,285	11,327	11,343	11,383	0.5%
	0.4%	0.4%	0.4%	0.1%	0.4%	
RECO	441	442	444	444	444	0.3%
	0.5%	0.2%	0.5%	0.0%	0.0%	
UGI	219	221	222	224	225	0.9%
	0.5%	0.9%	0.5%	0.9%	0.4%	
DIVERSITY - MID-ATLANTIC(-)	585	640	594	522	520	
PJM MID-ATLANTIC	66,380	66,809	67,241	67,621	67,990	0.8%
	0.6%	0.6%	0.6%	0.6%	0.5%	
FE-EAST	13,726	13,835	13,956	14,070	14,186	1.0%
	0.8%	0.8%	0.9%	0.8%	0.8%	
PLGRP	8,338	8,398	8,463	8,520	8,574	0.9%
	0.8%	0.7%	0.8%	0.7%	0.6%	

Table B-1

**SUMMER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2014 - 2024**

	METERED 2013	UNRESTRICTED 2013	NORMAL 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
AEP	22,859	22,947	23,660	23,556	23,982	24,220	24,358	24,516	24,667	24,850	25,011	25,153	25,255	25,414	0.8%
				-0.4%	1.8%	1.0%	0.6%	0.6%	0.6%	0.7%	0.6%	0.6%	0.4%	0.6%	
APS	8,678	8,682	8,640	8,837	9,024	9,147	9,217	9,282	9,355	9,448	9,521	9,597	9,651	9,722	1.0%
				2.3%	2.1%	1.4%	0.8%	0.7%	0.8%	1.0%	0.8%	0.8%	0.6%	0.7%	
ATSI	13,142	13,480	13,240	13,341	13,530	13,620	13,670	13,705	13,760	13,850	13,905	13,960	13,987	14,038	0.5%
				0.8%	1.4%	0.7%	0.4%	0.3%	0.4%	0.7%	0.4%	0.4%	0.2%	0.4%	
COMED	22,270	22,290	22,830	23,275	23,879	24,246	24,521	24,759	24,991	25,311	25,536	25,768	25,954	26,182	1.2%
				1.9%	2.6%	1.5%	1.1%	1.0%	0.9%	1.3%	0.9%	0.9%	0.7%	0.9%	
DAYTON	3,358	3,358	3,430	3,476	3,583	3,641	3,678	3,712	3,745	3,788	3,821	3,859	3,884	3,926	1.2%
				1.3%	3.1%	1.6%	1.0%	0.9%	0.9%	1.1%	0.9%	1.0%	0.6%	1.1%	
DEOK	5,109	5,109	5,520	5,597	5,704	5,747	5,794	5,820	5,874	5,942	5,966	6,009	6,030	6,079	0.8%
				1.4%	1.9%	0.8%	0.8%	0.4%	0.9%	1.2%	0.4%	0.7%	0.3%	0.8%	
DLCO	2,952	2,952	2,960	2,997	3,056	3,094	3,118	3,143	3,162	3,189	3,209	3,232	3,246	3,266	0.9%
				1.3%	2.0%	1.2%	0.8%	0.8%	0.6%	0.9%	0.6%	0.7%	0.4%	0.6%	
EKPC	1,845	1,845	1,890	1,899	1,930	1,942	1,953	1,966	1,977	1,992	2,000	2,011	2,018	2,033	0.7%
				0.5%	1.6%	0.6%	0.6%	0.7%	0.6%	0.8%	0.4%	0.6%	0.3%	0.7%	
DIVERSITY - WESTERN(-) PJM WESTERN	79,811	80,536	80,320	81,102	82,600	83,710	84,404	84,881	85,500	86,220	86,888	87,490	88,044	88,565	0.9%
				1.0%	1.8%	1.3%	0.8%	0.6%	0.7%	0.8%	0.8%	0.7%	0.6%	0.6%	
DOM	18,763	18,839	19,760	20,197	20,765	21,433	21,812	22,156	22,501	22,914	23,262	23,641	23,966	24,224	1.8%
				2.2%	2.8%	3.2%	1.8%	1.6%	1.6%	1.8%	1.5%	1.6%	1.4%	1.1%	
DIVERSITY - INTERREGIONAL(-) PJM RTO	157,141	158,954	155,185	157,399	160,439	162,720	164,434	165,675	167,064	168,743	170,176	171,357	172,679	173,852	1.0%
				1.4%	1.9%	1.4%	1.1%	0.8%	0.8%	1.0%	0.8%	0.7%	0.8%	0.7%	

Notes:

Normal 2013 and all forecast values are non-coincident as estimated by PJM staff.

Normal 2013 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
2025 - 2029

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AEP	25,590	25,749	25,929	26,038	26,232	0.7%
	0.7%	0.6%	0.7%	0.4%	0.7%	
APS	9,799	9,882	9,953	10,013	10,085	0.9%
	0.8%	0.8%	0.7%	0.6%	0.7%	
ATSI	14,101	14,175	14,234	14,273	14,329	0.5%
	0.4%	0.5%	0.4%	0.3%	0.4%	
COMED	26,439	26,716	26,927	27,090	27,293	1.1%
	1.0%	1.0%	0.8%	0.6%	0.7%	
DAYTON	3,965	4,008	4,046	4,079	4,123	1.1%
	1.0%	1.1%	0.9%	0.8%	1.1%	
DEOK	6,133	6,179	6,209	6,231	6,267	0.8%
	0.9%	0.8%	0.5%	0.4%	0.6%	
DLCO	3,289	3,313	3,333	3,351	3,373	0.8%
	0.7%	0.7%	0.6%	0.5%	0.7%	
EKPC	2,041	2,056	2,063	2,071	2,084	0.6%
	0.4%	0.7%	0.3%	0.4%	0.6%	
DIVERSITY - WESTERN(-)	2,190	2,221	2,157	2,069	2,244	
PJM WESTERN	89,167	89,857	90,537	91,077	91,542	0.8%
	0.7%	0.8%	0.8%	0.6%	0.5%	
DOM	24,494	24,764	25,011	25,243	25,481	1.6%
	1.1%	1.1%	1.0%	0.9%	0.9%	
DIVERSITY - INTERREGIONAL(-)	4,839	4,928	4,987	4,986	4,876	
PJM RTO	175,202	176,502	177,802	178,955	180,137	0.9%
	0.8%	0.7%	0.7%	0.6%	0.7%	

Table B-2

WINTER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2013/14 - 2023/24

	METERED 12/13	UNRESTRICTED 12/13	NORMAL 12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	Annual Growth Rate (10 yr)
AE	1,647	1,647	1,740	1,752	1,779	1,802	1,824	1,828	1,833	1,834	1,850	1,861	1,870	1,872	0.7%
				0.7%	1.5%	1.3%	1.2%	0.2%	0.3%	0.1%	0.9%	0.6%	0.5%	0.1%	
BGE	5,805	5,805	5,950	5,956	6,123	6,227	6,320	6,376	6,397	6,405	6,444	6,463	6,487	6,501	0.9%
				0.1%	2.8%	1.7%	1.5%	0.9%	0.3%	0.1%	0.6%	0.3%	0.4%	0.2%	
DPL	3,406	3,406	3,370	3,383	3,435	3,482	3,519	3,544	3,566	3,579	3,613	3,635	3,661	3,682	0.9%
				0.4%	1.5%	1.4%	1.1%	0.7%	0.6%	0.4%	0.9%	0.6%	0.7%	0.6%	
JCPL	3,760	3,760	3,910	3,933	4,008	4,073	4,128	4,139	4,161	4,163	4,217	4,251	4,276	4,281	0.9%
				0.6%	1.9%	1.6%	1.4%	0.3%	0.5%	0.0%	1.3%	0.8%	0.6%	0.1%	
METED	2,579	2,579	2,620	2,635	2,693	2,747	2,800	2,826	2,849	2,866	2,907	2,947	2,982	3,000	1.3%
				0.6%	2.2%	2.0%	1.9%	0.9%	0.8%	0.6%	1.4%	1.4%	1.2%	0.6%	
PECO	6,652	6,652	6,680	6,732	6,864	6,991	7,087	7,154	7,214	7,255	7,348	7,412	7,472	7,526	1.1%
				0.8%	2.0%	1.9%	1.4%	0.9%	0.8%	0.6%	1.3%	0.9%	0.8%	0.7%	
PENLC	2,904	2,904	2,880	2,916	3,003	3,087	3,157	3,200	3,239	3,267	3,319	3,364	3,409	3,445	1.7%
				1.3%	3.0%	2.8%	2.3%	1.4%	1.2%	0.9%	1.6%	1.4%	1.3%	1.1%	
PEPCO	5,246	5,246	5,440	5,479	5,533	5,605	5,654	5,692	5,729	5,749	5,791	5,825	5,859	5,890	0.7%
				0.7%	1.0%	1.3%	0.9%	0.7%	0.7%	0.3%	0.7%	0.6%	0.6%	0.5%	
PL	7,114	7,114	7,310	7,352	7,466	7,573	7,658	7,711	7,763	7,794	7,872	7,934	7,988	8,036	0.9%
				0.6%	1.6%	1.4%	1.1%	0.7%	0.7%	0.4%	1.0%	0.8%	0.7%	0.6%	
PS	6,579	6,579	6,880	6,877	6,965	7,050	7,118	7,142	7,168	7,142	7,207	7,250	7,278	7,298	0.6%
				-0.0%	1.3%	1.2%	1.0%	0.3%	0.4%	-0.4%	0.9%	0.6%	0.4%	0.3%	
RECO	232	232	240	235	236	237	238	239	240	241	242	243	244	245	0.4%
				-2.1%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	
UGI	203	203	200	199	202	205	207	208	209	210	212	213	215	215	0.8%
				-0.5%	1.5%	1.5%	1.0%	0.5%	0.5%	0.5%	1.0%	0.5%	0.9%	0.0%	
DIVERSITY - MID-ATLANTIC(-) PJM MID-ATLANTIC	45,529	45,529	46,600	508	703	639	596	609	623	485	661	600	624	626	
				46,941	47,604	48,440	49,114	49,450	49,745	50,020	50,361	50,798	51,117	51,365	0.9%
				0.7%	1.4%	1.8%	1.4%	0.7%	0.6%	0.6%	0.7%	0.9%	0.6%	0.5%	
FE-EAST	9,177	9,177	9,350	9,429	9,641	9,844	10,004	10,100	10,181	10,242	10,375	10,480	10,578	10,652	1.2%
				0.8%	2.2%	2.1%	1.6%	1.0%	0.8%	0.6%	1.3%	1.0%	0.9%	0.7%	
PLGRP	7,305	7,305	7,480	7,535	7,643	7,748	7,833	7,892	7,938	7,990	8,051	8,117	8,170	8,219	0.9%
				0.7%	1.4%	1.4%	1.1%	0.8%	0.6%	0.7%	0.8%	0.8%	0.7%	0.6%	

Notes:

Normal 12/13 and all forecast values are non-coincident as estimated by PJM staff.

Normal 12/13 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency. 50

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
2024/25 - 2028/29

	24/25	25/26	26/27	27/28	28/29	Annual Growth Rate (15 yr)
AE	1,872	1,882	1,890	1,904	1,900	0.5%
	0.0%	0.5%	0.4%	0.7%	-0.2%	
BGE	6,511	6,530	6,549	6,564	6,569	0.7%
	0.2%	0.3%	0.3%	0.2%	0.1%	
DPL	3,696	3,719	3,743	3,764	3,781	0.7%
	0.4%	0.6%	0.6%	0.6%	0.5%	
JCPL	4,283	4,320	4,353	4,387	4,385	0.7%
	0.0%	0.9%	0.8%	0.8%	-0.0%	
METED	3,019	3,051	3,085	3,128	3,140	1.2%
	0.6%	1.1%	1.1%	1.4%	0.4%	
PECO	7,563	7,627	7,698	7,763	7,799	1.0%
	0.5%	0.8%	0.9%	0.8%	0.5%	
PENLC	3,473	3,512	3,552	3,594	3,617	1.4%
	0.8%	1.1%	1.1%	1.2%	0.6%	
PEPCO	5,914	5,938	5,967	6,001	6,016	0.6%
	0.4%	0.4%	0.5%	0.6%	0.2%	
PL	8,070	8,127	8,189	8,250	8,278	0.8%
	0.4%	0.7%	0.8%	0.7%	0.3%	
PS	7,278	7,312	7,356	7,397	7,393	0.5%
	-0.3%	0.5%	0.6%	0.6%	-0.1%	
RECO	246	246	247	248	249	0.4%
	0.4%	0.0%	0.4%	0.4%	0.4%	
UGI	216	218	219	220	221	0.7%
	0.5%	0.9%	0.5%	0.5%	0.5%	
DIVERSITY - MID-ATLANTIC(-)	545	687	658	610	523	
PJM MID-ATLANTIC	51,596	51,795	52,190	52,610	52,825	0.8%
	0.4%	0.4%	0.8%	0.8%	0.4%	
FE-EAST	10,708	10,817	10,920	11,023	11,082	1.1%
	0.5%	1.0%	1.0%	0.9%	0.5%	
PLGRP	8,261	8,313	8,373	8,436	8,476	0.8%
	0.5%	0.6%	0.7%	0.8%	0.5%	

Table B-2
WINTER PEAK LOAD (MW) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2013/14 - 2023/24

	METERED 12/13	UNRESTRICTED 12/13	NORMAL 12/13	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	Annual Growth Rate (10 yr)
AEP	22,254	22,254	22,930	23,046	23,005	23,324	23,555	23,676	23,761	23,810	24,022	24,167	24,316	24,428	0.6%
				0.5%	-0.2%	1.4%	1.0%	0.5%	0.4%	0.2%	0.9%	0.6%	0.6%	0.5%	
APS	8,496	8,496	8,580	8,673	8,920	9,084	9,208	9,273	9,345	9,399	9,500	9,583	9,657	9,727	1.2%
				1.1%	2.8%	1.8%	1.4%	0.7%	0.8%	0.6%	1.1%	0.9%	0.8%	0.7%	
ATSI	10,360	10,360	10,650	10,628	10,693	10,751	10,838	10,835	10,841	10,828	10,877	10,934	10,966	10,960	0.3%
				-0.2%	0.6%	0.5%	0.8%	-0.0%	0.1%	-0.1%	0.5%	0.5%	0.3%	-0.1%	
COMED	15,139	15,139	15,950	16,023	16,379	16,665	16,956	17,071	17,183	17,239	17,436	17,632	17,776	17,877	1.1%
				0.5%	2.2%	1.7%	1.7%	0.7%	0.7%	0.3%	1.1%	1.1%	0.8%	0.6%	
DAYTON	2,836	2,836	2,850	2,853	2,925	2,983	3,028	3,049	3,065	3,076	3,112	3,142	3,168	3,188	1.1%
				0.1%	2.5%	2.0%	1.5%	0.7%	0.5%	0.4%	1.2%	1.0%	0.8%	0.6%	
DEOK	4,257	4,257	4,390	4,392	4,437	4,480	4,515	4,536	4,554	4,554	4,584	4,607	4,629	4,647	0.6%
				0.0%	1.0%	1.0%	0.8%	0.5%	0.4%	0.0%	0.7%	0.5%	0.5%	0.4%	
DLCO	2,241	2,241	2,190	2,192	2,217	2,241	2,266	2,273	2,282	2,280	2,296	2,311	2,329	2,334	0.6%
				0.1%	1.1%	1.1%	1.1%	0.3%	0.4%	-0.1%	0.7%	0.7%	0.8%	0.2%	
EKPC	2,193	2,193	2,320	2,314	2,326	2,340	2,347	2,353	2,355	2,350	2,364	2,369	2,375	2,383	0.3%
				-0.3%	0.5%	0.6%	0.3%	0.3%	0.1%	-0.2%	0.6%	0.2%	0.3%	0.3%	
DIVERSITY - WESTERN(-) PJM WESTERN	67,006	67,006	68,310	68,606	69,240	70,091	70,999	71,439	71,715	71,871	72,317	72,942	73,411	73,784	0.7%
				0.4%	0.9%	1.2%	1.3%	0.6%	0.4%	0.2%	0.6%	0.9%	0.6%	0.5%	
DOM	17,623	17,623	17,440	17,657	17,976	18,432	18,984	19,258	19,536	19,784	20,126	20,408	20,727	20,997	1.7%
				1.2%	1.8%	2.5%	3.0%	1.4%	1.4%	1.3%	1.7%	1.4%	1.6%	1.3%	
DIVERSITY - INTERREGIONAL(-) PJM RTO	128,593	128,593	130,840	131,719	133,629	135,706	137,558	138,553	139,409	140,139	141,519	142,638	143,621	144,496	0.9%
				0.7%	1.5%	1.6%	1.4%	0.7%	0.6%	0.5%	1.0%	0.8%	0.7%	0.6%	

Notes:

Normal 12/13 and all forecast values are non-coincident as estimated by PJM staff.

Normal 12/13 and all forecast values represent unrestricted peaks, prior to reductions for load management and energy efficiency. 52

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
2024/25 - 2028/29**

	24/25	25/26	26/27	27/28	28/29	Annual Growth Rate (15 yr)
AEP	24,468	24,603	24,779	24,947	25,033	0.6%
	0.2%	0.6%	0.7%	0.7%	0.3%	
APS	9,786	9,867	9,949	10,034	10,075	1.0%
	0.6%	0.8%	0.8%	0.9%	0.4%	
ATSI	10,945	10,979	11,003	11,067	11,012	0.2%
	-0.1%	0.3%	0.2%	0.6%	-0.5%	
COMED	17,923	18,075	18,209	18,393	18,421	0.9%
	0.3%	0.8%	0.7%	1.0%	0.2%	
DAYTON	3,202	3,233	3,262	3,295	3,312	1.0%
	0.4%	1.0%	0.9%	1.0%	0.5%	
DEOK	4,651	4,672	4,693	4,717	4,725	0.5%
	0.1%	0.5%	0.4%	0.5%	0.2%	
DLCO	2,329	2,340	2,351	2,367	2,368	0.5%
	-0.2%	0.5%	0.5%	0.7%	0.0%	
EKPC	2,375	2,381	2,390	2,396	2,393	0.2%
	-0.3%	0.3%	0.4%	0.3%	-0.1%	
DIVERSITY - WESTERN(-)	1,820	1,899	1,930	1,909	1,866	
PJM WESTERN	73,859	74,251	74,706	75,307	75,473	0.6%
	0.1%	0.5%	0.6%	0.8%	0.2%	
DOM	21,174	21,308	21,567	21,754	21,901	1.4%
	0.8%	0.6%	1.2%	0.9%	0.7%	
DIVERSITY - INTERREGIONAL(-)	1,593	1,222	1,349	1,571	1,776	
PJM RTO	145,036	146,132	147,114	148,100	148,423	0.8%
	0.4%	0.8%	0.7%	0.7%	0.2%	

Table B-3
SPRING (APRIL) PEAK LOAD (MW) FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014 - 2029

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE	1,503	1,533	1,560	1,578	1,592	1,599	1,609	1,645	1,640	1,638	1,683	1,688	1,696	1,701	1,687	1,693
BGE	4,970	5,116	5,201	5,243	5,297	5,306	5,367	5,449	5,422	5,409	5,478	5,501	5,553	5,595	5,548	5,578
DPL	2,665	2,724	2,756	2,775	2,801	2,821	2,861	2,906	2,904	2,906	2,957	2,976	3,008	3,037	3,019	3,018
JCPL	3,371	3,460	3,477	3,495	3,558	3,584	3,648	3,780	3,717	3,647	3,823	3,851	3,910	3,939	3,801	3,838
METED	2,296	2,361	2,401	2,419	2,456	2,474	2,523	2,584	2,585	2,585	2,632	2,678	2,716	2,748	2,727	2,752
PECO	5,737	5,915	5,979	6,017	6,117	6,167	6,305	6,421	6,387	6,376	6,539	6,597	6,696	6,770	6,667	6,739
PENLC	2,555	2,658	2,713	2,765	2,808	2,844	2,900	2,948	2,964	2,994	3,036	3,069	3,125	3,166	3,179	3,204
PEPCO	4,488	4,552	4,574	4,584	4,633	4,651	4,705	4,758	4,746	4,718	4,779	4,800	4,853	4,890	4,831	4,879
PL	5,890	6,010	6,081	6,120	6,203	6,246	6,331	6,389	6,397	6,410	6,516	6,552	6,635	6,705	6,671	6,733
PS	6,223	6,336	6,368	6,350	6,433	6,439	6,521	6,618	6,543	6,516	6,687	6,671	6,702	6,761	6,645	6,711
RECO	219	220	220	220	220	221	221	221	221	222	222	222	223	223	223	223
UGI	155	159	161	162	164	165	167	170	169	170	174	175	177	178	176	177
DIVERSITY - MID-ATLANTIC(-)	1,674	1,954	1,881	1,711	2,066	2,017	2,002	2,346	1,854	1,693	1,917	1,553	1,975	2,244	1,869	2,024
PJM MID-ATLANTIC	38,398	39,090	39,610	40,017	40,216	40,500	41,156	41,543	41,841	41,898	42,609	43,227	43,319	43,469	43,305	43,521
FE-EAST	7,876	8,103	8,224	8,342	8,462	8,558	8,679	8,838	8,848	8,897	9,121	9,195	9,315	9,394	9,329	9,458
PLGRP	5,896	5,990	6,064	6,116	6,199	6,261	6,304	6,344	6,383	6,416	6,535	6,575	6,606	6,666	6,669	6,753

Table B-3

**SPRING (APRIL) PEAK LOAD (MW) FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2014 - 2029**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AEP	18,500	18,841	19,050	19,192	19,336	19,368	19,536	19,701	19,759	19,777	19,927	19,991	20,180	20,350	20,405	20,542
APS	7,097	7,264	7,373	7,431	7,503	7,556	7,639	7,746	7,742	7,756	7,870	7,914	8,017	8,094	8,072	8,127
ATSI	9,479	9,617	9,655	9,681	9,731	9,711	9,821	10,021	9,847	9,824	9,952	9,958	10,048	10,193	9,973	10,022
COMED	14,147	14,633	14,880	15,010	15,306	15,413	15,737	16,062	15,988	16,045	16,452	16,569	16,882	17,124	16,904	17,243
DAYTON	2,385	2,477	2,523	2,557	2,586	2,600	2,643	2,687	2,690	2,706	2,749	2,775	2,818	2,853	2,854	2,888
DEOK	3,756	3,843	3,843	3,867	3,916	3,923	3,989	4,044	4,002	4,010	4,082	4,101	4,160	4,190	4,133	4,179
DLCO	2,036	2,095	2,104	2,094	2,142	2,156	2,191	2,212	2,198	2,181	2,242	2,244	2,276	2,301	2,255	2,300
EKPC	1,534	1,551	1,554	1,555	1,562	1,564	1,576	1,587	1,580	1,578	1,594	1,591	1,605	1,610	1,601	1,602
DIVERSITY - WESTERN(-)	2,370	2,749	3,346	3,283	3,361	3,132	3,219	3,431	3,574	3,406	3,380	2,802	3,483	3,657	3,726	3,834
PJM WESTERN	56,564	57,572	57,636	58,104	58,721	59,159	59,913	60,629	60,232	60,471	61,488	62,341	62,503	63,058	62,471	63,069
DOM	14,026	14,520	14,994	15,259	15,634	15,893	16,267	16,667	16,766	16,999	17,399	17,504	17,780	18,012	17,985	18,212
DIVERSITY - INTERREGIONAL(-)	2,617	1,926	1,916	2,114	2,066	1,969	2,017	1,693	1,780	2,076	1,658	2,507	1,760	2,076	2,389	1,943
PJM RTO	106,371	109,256	110,324	111,266	112,505	113,583	115,319	117,146	117,059	117,292	119,838	120,565	121,842	122,463	121,372	122,859

Table B-4

**FALL (OCTOBER) PEAK LOAD (MW) FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014 - 2029**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE	1,559	1,584	1,605	1,626	1,640	1,652	1,658	1,660	1,679	1,693	1,708	1,717	1,727	1,724	1,749	1,765
BGE	4,793	4,891	4,970	5,069	5,101	5,131	5,134	5,139	5,205	5,258	5,313	5,335	5,341	5,276	5,373	5,421
DPL	2,638	2,673	2,694	2,742	2,776	2,802	2,815	2,816	2,863	2,894	2,927	2,946	2,960	2,949	2,997	3,033
JCPL	3,484	3,538	3,566	3,624	3,713	3,711	3,726	3,715	3,755	3,812	3,884	3,893	3,912	3,884	3,954	4,036
METED	2,197	2,239	2,282	2,313	2,343	2,372	2,392	2,409	2,459	2,490	2,523	2,548	2,572	2,576	2,631	2,664
PECO	5,743	5,825	5,909	6,008	6,109	6,172	6,188	6,223	6,319	6,399	6,479	6,528	6,579	6,569	6,684	6,761
PENLC	2,556	2,625	2,705	2,752	2,792	2,829	2,845	2,878	2,943	2,980	3,021	3,036	3,065	3,090	3,152	3,185
PEPCO	4,560	4,591	4,586	4,643	4,688	4,716	4,733	4,719	4,738	4,794	4,846	4,855	4,865	4,840	4,895	4,944
PL	5,718	5,805	5,896	5,949	5,993	6,043	6,088	6,110	6,213	6,255	6,323	6,365	6,408	6,396	6,488	6,551
PS	6,625	6,646	6,635	6,728	6,811	6,849	6,828	6,789	6,816	6,889	6,982	7,003	6,987	6,943	7,022	7,114
RECO	244	244	242	245	249	248	247	245	245	249	252	251	250	247	250	254
UGI	155	157	160	162	163	164	165	165	169	170	171	172	173	172	176	177
DIVERSITY - MID-ATLANTIC(-)	1,358	1,309	1,322	1,284	1,376	1,414	1,442	1,303	1,262	1,219	1,356	1,334	1,368	1,337	1,284	1,391
PJM MID-ATLANTIC	38,914	39,509	39,928	40,577	41,002	41,275	41,377	41,565	42,142	42,664	43,073	43,315	43,471	43,329	44,087	44,514
FE-EAST	8,027	8,203	8,337	8,464	8,581	8,666	8,721	8,797	8,965	9,098	9,218	9,286	9,356	9,318	9,532	9,657
PLGRP	5,843	5,931	6,026	6,093	6,141	6,176	6,211	6,257	6,351	6,404	6,463	6,497	6,539	6,552	6,642	6,703

Table B-4

FALL (OCTOBER) PEAK LOAD (MW) FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2014 - 2029

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AEP	17,857	18,034	18,222	18,418	18,538	18,612	18,616	18,639	18,858	19,027	19,111	19,185	19,231	19,259	19,538	19,796
APS	6,791	6,904	7,028	7,083	7,136	7,208	7,255	7,287	7,402	7,464	7,542	7,578	7,638	7,633	7,763	7,842
ATSI	9,146	9,189	9,255	9,295	9,321	9,366	9,359	9,349	9,480	9,534	9,572	9,588	9,603	9,506	9,688	9,711
COMED	14,259	14,603	14,833	15,074	15,296	15,462	15,619	15,743	15,955	16,142	16,472	16,620	16,710	16,750	16,969	17,230
DAYTON	2,379	2,437	2,482	2,518	2,546	2,573	2,589	2,600	2,647	2,685	2,727	2,751	2,774	2,773	2,835	2,877
DEOK	3,754	3,795	3,831	3,868	3,914	3,933	3,937	3,948	3,990	4,029	4,066	4,075	4,090	4,091	4,150	4,197
DLCO	1,969	1,995	2,008	2,036	2,054	2,071	2,080	2,077	2,102	2,120	2,144	2,154	2,161	2,155	2,187	2,208
EKPC	1,539	1,539	1,551	1,553	1,561	1,564	1,563	1,563	1,580	1,586	1,584	1,585	1,590	1,579	1,599	1,605
DIVERSITY - WESTERN(-)	1,781	1,904	1,978	1,915	2,011	2,057	2,106	2,079	2,106	2,109	2,199	2,234	2,215	2,266	2,245	2,473
PJM WESTERN	55,913	56,592	57,232	57,930	58,355	58,732	58,912	59,127	59,908	60,478	61,019	61,302	61,582	61,480	62,484	62,993
DOM	14,036	14,358	14,934	15,233	15,566	15,833	16,086	16,339	16,682	16,976	17,202	17,367	17,526	17,656	17,907	18,191
DIVERSITY - INTERREGIONAL(-)	1,811	1,727	1,664	1,846	1,977	1,985	1,806	2,181	1,950	2,130	1,994	2,041	2,145	2,360	2,242	2,195
PJM RTO	107,052	108,732	110,430	111,894	112,946	113,855	114,569	114,850	116,782	117,988	119,300	119,943	120,434	120,105	122,236	123,503

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 2014	1,752	5,956	3,383	3,933	2,635	6,732	2,916	5,479	7,352	6,877	229	199	502	46,941
Feb 2014	1,674	5,716	3,255	3,747	2,557	6,475	2,842	5,261	7,056	6,606	216	189	725	44,869
Mar 2014	1,545	5,193	2,877	3,479	2,429	5,943	2,682	4,575	6,405	6,191	208	171	1,240	40,458
Apr 2014	1,503	4,970	2,665	3,371	2,296	5,737	2,555	4,488	5,890	6,223	219	155	1,674	38,398
May 2014	1,853	5,754	3,099	4,458	2,456	6,774	2,486	5,454	5,941	8,091	321	151	1,743	45,095
Jun 2014	2,393	6,783	3,766	5,695	2,829	8,196	2,833	6,392	6,888	9,754	386	182	566	55,531
Jul 2014	2,750	7,403	4,181	6,361	3,019	8,843	2,966	6,870	7,334	10,614	423	198	511	60,451
Aug 2014	2,619	7,069	3,944	5,785	2,892	8,449	2,889	6,568	7,062	9,774	382	187	457	57,163
Sep 2014	2,164	6,298	3,407	4,947	2,567	7,350	2,693	5,876	6,384	8,743	337	170	659	50,277
Oct 2014	1,559	4,793	2,638	3,484	2,197	5,743	2,556	4,560	5,718	6,625	244	155	1,358	38,914
Nov 2014	1,517	4,871	2,702	3,462	2,291	5,880	2,670	4,440	6,159	6,271	214	169	456	40,190
Dec 2014	1,770	5,791	3,236	3,997	2,604	6,691	2,933	5,229	7,098	6,919	236	199	582	46,121
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2015	1,779	6,123	3,435	4,008	2,693	6,864	3,003	5,533	7,466	6,965	230	202	697	47,604
Feb 2015	1,704	5,892	3,313	3,826	2,625	6,622	2,930	5,318	7,190	6,703	217	193	764	45,769
Mar 2015	1,570	5,336	2,938	3,567	2,496	6,113	2,780	4,657	6,546	6,299	211	175	1,450	41,238
Apr 2015	1,533	5,116	2,724	3,460	2,361	5,915	2,658	4,552	6,010	6,336	220	159	1,954	39,090
May 2015	1,880	5,880	3,150	4,538	2,508	6,911	2,561	5,484	6,036	8,171	323	154	1,931	45,665
Jun 2015	2,448	6,962	3,849	5,845	2,911	8,390	2,929	6,478	7,043	9,918	390	186	587	56,762
Jul 2015	2,806	7,579	4,261	6,494	3,096	9,032	3,059	6,948	7,477	10,760	427	202	597	61,544
Aug 2015	2,669	7,224	4,001	5,897	2,965	8,621	2,976	6,625	7,187	9,883	385	191	490	58,134
Sep 2015	2,222	6,468	3,488	5,073	2,649	7,554	2,793	5,962	6,548	8,883	342	175	891	51,266
Oct 2015	1,584	4,891	2,673	3,538	2,239	5,825	2,625	4,591	5,805	6,646	244	157	1,309	39,509
Nov 2015	1,550	5,017	2,773	3,552	2,363	6,045	2,761	4,514	6,322	6,371	216	175	508	41,151
Dec 2015	1,800	5,912	3,292	4,073	2,667	6,840	3,024	5,322	7,231	7,020	237	202	503	47,117
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	DIVERSITY	MID-ATLANTIC
Jan 2016	1,802	6,227	3,482	4,069	2,747	6,991	3,087	5,605	7,573	7,050	231	205	629	48,440
Feb 2016	1,734	6,020	3,363	3,887	2,682	6,762	3,014	5,403	7,329	6,791	218	196	571	46,828
Mar 2016	1,617	5,464	3,009	3,660	2,551	6,217	2,851	4,741	6,640	6,398	211	178	1,234	42,303
Apr 2016	1,560	5,201	2,756	3,477	2,401	5,979	2,713	4,574	6,081	6,368	220	161	1,881	39,610
May 2016	1,924	6,021	3,203	4,627	2,568	7,020	2,635	5,543	6,135	8,260	325	157	1,695	46,723
Jun 2016	2,492	7,112	3,923	5,980	2,984	8,522	3,002	6,563	7,159	10,093	399	190	655	57,764
Jul 2016	2,840	7,705	4,314	6,584	3,147	9,147	3,122	6,985	7,568	10,845	430	205	547	62,345
Aug 2016	2,710	7,387	4,089	6,027	3,039	8,772	3,053	6,716	7,323	10,062	391	195	508	59,256
Sep 2016	2,240	6,581	3,521	5,114	2,677	7,609	2,850	5,988	6,604	8,897	341	177	788	51,811
Oct 2016	1,605	4,970	2,694	3,566	2,282	5,909	2,705	4,586	5,896	6,635	242	160	1,322	39,928
Nov 2016	1,570	5,119	2,812	3,613	2,409	6,131	2,845	4,549	6,429	6,421	217	177	444	41,848
Dec 2016	1,824	6,006	3,333	4,128	2,729	6,935	3,110	5,356	7,334	7,109	238	205	404	47,903

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 2014	23,046	8,673	10,628	16,023	2,853	4,392	2,192	2,314	1,515	68,606	17,657	1,485	131,719
Feb 2014	22,236	8,345	10,379	15,497	2,754	4,222	2,117	2,200	1,489	66,261	16,915	1,694	126,351
Mar 2014	20,011	7,636	9,830	14,232	2,502	3,816	2,006	1,805	1,447	60,391	14,897	1,792	113,954
Apr 2014	18,500	7,097	9,479	14,147	2,385	3,756	2,036	1,534	2,370	56,564	14,026	2,617	106,371
May 2014	19,336	7,083	10,203	16,860	2,703	4,414	2,360	1,480	2,435	62,004	16,053	3,803	119,349
Jun 2014	22,423	8,385	12,696	21,392	3,238	5,307	2,835	1,786	2,273	75,789	18,741	3,439	146,622
Jul 2014	23,556	8,837	13,341	23,275	3,476	5,597	2,997	1,899	1,876	81,102	20,197	4,351	157,399
Aug 2014	22,966	8,546	12,815	22,246	3,360	5,461	2,878	1,872	1,821	78,323	19,505	4,678	150,313
Sep 2014	20,787	7,778	11,271	19,270	3,027	4,947	2,607	1,754	1,889	69,552	17,230	3,917	133,142
Oct 2014	17,857	6,791	9,146	14,259	2,379	3,754	1,969	1,539	1,781	55,913	14,036	1,811	107,052
Nov 2014	19,002	7,292	9,524	14,421	2,470	3,770	1,993	1,771	1,189	59,054	14,037	888	112,393
Dec 2014	21,798	8,479	10,614	16,379	2,803	4,297	2,202	2,141	1,316	67,397	16,785	1,568	128,735
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	DIVERSITY	WESTERN	DOM	DIVERSITY	PJM RTO
Jan 2015	23,005	8,920	10,693	16,286	2,925	4,437	2,217	2,326	1,569	69,240	17,976	1,191	133,629
Feb 2015	22,206	8,614	10,450	15,789	2,827	4,267	2,146	2,218	1,512	67,005	17,237	1,563	128,448
Mar 2015	20,403	7,836	9,938	14,628	2,584	3,881	2,047	1,829	1,651	61,495	15,398	1,143	116,988
Apr 2015	18,841	7,264	9,617	14,633	2,477	3,843	2,095	1,551	2,749	57,572	14,520	1,926	109,256
May 2015	19,574	7,176	10,301	17,212	2,791	4,479	2,398	1,494	2,477	62,948	16,450	3,558	121,505
Jun 2015	22,872	8,581	12,874	22,030	3,361	5,413	2,897	1,821	2,427	77,422	19,313	3,789	149,708
Jul 2015	23,982	9,024	13,530	23,879	3,583	5,704	3,056	1,930	2,088	82,600	20,765	4,470	160,439
Aug 2015	23,359	8,684	12,904	22,809	3,462	5,560	2,925	1,907	1,992	79,618	20,036	4,854	152,934
Sep 2015	21,310	7,987	11,518	19,828	3,142	5,050	2,665	1,781	2,112	71,169	17,823	3,579	136,679
Oct 2015	18,034	6,904	9,189	14,603	2,437	3,795	1,995	1,539	1,904	56,592	14,358	1,727	108,732
Nov 2015	19,365	7,473	9,635	14,799	2,552	3,841	2,025	1,791	1,165	60,316	14,588	895	115,160
Dec 2015	22,188	8,656	10,685	16,665	2,869	4,349	2,230	2,163	1,449	68,356	17,270	1,569	131,174
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	DIVERSITY	WESTERN	DOM	DIVERSITY	PJM RTO
Jan 2016	23,324	9,084	10,751	16,535	2,983	4,480	2,241	2,340	1,647	70,091	18,432	1,257	135,706
Feb 2016	22,537	8,782	10,514	16,055	2,886	4,309	2,169	2,242	1,487	68,007	17,743	1,818	130,760
Mar 2016	20,647	7,985	10,022	14,988	2,646	3,919	2,068	1,830	2,257	61,848	15,968	1,302	118,817
Apr 2016	19,050	7,373	9,655	14,880	2,523	3,843	2,104	1,554	3,346	57,636	14,994	1,916	110,324
May 2016	19,950	7,389	10,428	17,777	2,871	4,552	2,436	1,507	2,655	64,255	17,114	3,951	124,141
Jun 2016	23,357	8,764	13,054	22,492	3,451	5,488	2,950	1,840	2,597	78,799	20,039	4,235	152,367
Jul 2016	24,220	9,147	13,620	24,246	3,641	5,747	3,094	1,942	1,947	83,710	21,433	4,768	162,720
Aug 2016	23,814	8,884	13,170	23,348	3,549	5,656	2,987	1,930	2,336	81,002	20,763	5,002	156,019
Sep 2016	21,379	8,043	11,490	20,095	3,178	5,084	2,688	1,788	1,882	71,863	18,385	4,141	137,918
Oct 2016	18,222	7,028	9,255	14,833	2,482	3,831	2,008	1,551	1,978	57,232	14,934	1,664	110,430
Nov 2016	19,574	7,618	9,707	15,083	2,609	3,881	2,052	1,803	1,083	61,244	15,168	1,032	117,228
Dec 2016	22,484	8,809	10,838	16,956	2,936	4,408	2,266	2,169	1,472	69,394	17,893	1,926	133,264

Table B-6

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

	FE_EAST	PLGRP
Jan 2014	9,429	7,535
Feb 2014	9,051	7,235
Mar 2014	8,344	6,464
Apr 2014	7,876	5,896
May 2014	9,060	5,976
Jun 2014	11,154	7,061
Jul 2014	12,174	7,507
Aug 2014	11,385	7,248
Sep 2014	10,038	6,555
Oct 2014	8,027	5,843
Nov 2014	8,356	6,318
Dec 2014	9,486	7,266

	FE_EAST	PLGRP
Jan 2015	9,641	7,643
Feb 2015	9,291	7,359
Mar 2015	8,590	6,580
Apr 2015	8,103	5,990
May 2015	9,253	6,064
Jun 2015	11,427	7,210
Jul 2015	12,434	7,639
Aug 2015	11,646	7,378
Sep 2015	10,291	6,700
Oct 2015	8,203	5,931
Nov 2015	8,594	6,472
Dec 2015	9,730	7,404

	FE_EAST	PLGRP
Jan 2016	9,844	7,748
Feb 2016	9,527	7,502
Mar 2016	8,775	6,694
Apr 2016	8,224	6,064
May 2016	9,487	6,182
Jun 2016	11,696	7,334
Jul 2016	12,638	7,742
Aug 2016	11,919	7,517
Sep 2016	10,449	6,779
Oct 2016	8,337	6,026
Nov 2016	8,780	6,601
Dec 2016	9,915	7,495

THIS PAGE INTENTIONALLY LEFT BLANK

Table B-7

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE																
CONTRACTUALLY INTERRUPTIBLE	165	158	124	124	124	124	124	124	124	124	124	124	124	124	124	124
DIRECT CONTROL	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
TOTAL LOAD MANAGEMENT	207	200	166	166	166	166	166	166	166	166	166	166	166	166	166	166
BGE																
CONTRACTUALLY INTERRUPTIBLE	854	664	465	465	465	465	465	465	465	465	465	465	465	465	465	465
DIRECT CONTROL	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435
TOTAL LOAD MANAGEMENT	1,289	1,099	900	900	900	900	900	900	900	900	900	900	900	900	900	900
DPL																
CONTRACTUALLY INTERRUPTIBLE	376	397	392	392	392	392	392	392	392	392	392	392	392	392	392	392
DIRECT CONTROL	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
TOTAL LOAD MANAGEMENT	406	427	422	422	422	422	422	422	422	422	422	422	422	422	422	422
JCPL																
CONTRACTUALLY INTERRUPTIBLE	427	342	214	214	214	214	214	214	214	214	214	214	214	214	214	214
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	427	342	214	214	214	214	214	214	214	214	214	214	214	214	214	214
METED																
CONTRACTUALLY INTERRUPTIBLE	386	337	301	301	301	301	301	301	301	301	301	301	301	301	301	301
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	386	337	301	301	301	301	301	301	301	301	301	301	301	301	301	301
PECO																
CONTRACTUALLY INTERRUPTIBLE	801	775	510	510	510	510	510	510	510	510	510	510	510	510	510	510
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	801	775	510	510	510	510	510	510	510	510	510	510	510	510	510	510
PENLC																
CONTRACTUALLY INTERRUPTIBLE	415	516	408	408	408	408	408	408	408	408	408	408	408	408	408	408
DIRECT CONTROL	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
TOTAL LOAD MANAGEMENT	422	523	415	415	415	415	415	415	415	415	415	415	415	415	415	415

Notes:

Forecast represents the amount of Demand Resources cleared in RPM auctions.
Winter load management is equal to Contractually Interruptible.

Table B-7 (Continued)

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PEPCO																
CONTRACTUALLY INTERRUPTIBLE	841	799	603	603	603	603	603	603	603	603	603	603	603	603	603	603
DIRECT CONTROL	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
TOTAL LOAD MANAGEMENT	876	834	638	638	638	638	638	638	638	638	638	638	638	638	638	638
PL																
CONTRACTUALLY INTERRUPTIBLE	1,256	1,114	959	959	959	959	959	959	959	959	959	959	959	959	959	959
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	1,256	1,114	959	959	959	959	959	959	959	959	959	959	959	959	959	959
PS																
CONTRACTUALLY INTERRUPTIBLE	866	683	522	522	522	522	522	522	522	522	522	522	522	522	522	522
DIRECT CONTROL	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84
TOTAL LOAD MANAGEMENT	950	767	606	606	606	606	606	606	606	606	606	606	606	606	606	606
RECO																
CONTRACTUALLY INTERRUPTIBLE	30	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	30	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10
UGI																
CONTRACTUALLY INTERRUPTIBLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIRECT CONTROL	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																
CONTRACTUALLY INTERRUPTIBLE	6,417	5,805	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508	4,508
DIRECT CONTROL	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
TOTAL LOAD MANAGEMENT	7,050	6,438	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141

Table B-7

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AEP																
CONTRACTUALLY INTERRUPTIBLE	2,013	1,897	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738	1,738
DIRECT CONTROL	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
TOTAL LOAD MANAGEMENT	2,037	1,921	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762
APS																
CONTRACTUALLY INTERRUPTIBLE	864	923	657	657	657	657	657	657	657	657	657	657	657	657	657	657
DIRECT CONTROL	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL LOAD MANAGEMENT	865	924	658	658	658	658	658	658	658	658	658	658	658	658	658	658
ATSI																
CONTRACTUALLY INTERRUPTIBLE	1,054	1,693	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736	1,736
DIRECT CONTROL	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
TOTAL LOAD MANAGEMENT	1,058	1,697	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
COMED																
CONTRACTUALLY INTERRUPTIBLE	1,440	1,602	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
DIRECT CONTROL	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
TOTAL LOAD MANAGEMENT	1,477	1,639	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187
DAYTON																
CONTRACTUALLY INTERRUPTIBLE	220	186	234	234	234	234	234	234	234	234	234	234	234	234	234	234
DIRECT CONTROL	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
TOTAL LOAD MANAGEMENT	223	189	237	237	237	237	237	237	237	237	237	237	237	237	237	237
DEOK																
CONTRACTUALLY INTERRUPTIBLE	29	253	276	276	276	276	276	276	276	276	276	276	276	276	276	276
DIRECT CONTROL	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
TOTAL LOAD MANAGEMENT	88	312	335	335	335	335	335	335	335	335	335	335	335	335	335	335
DLCO																
CONTRACTUALLY INTERRUPTIBLE	214	236	137	137	137	137	137	137	137	137	137	137	137	137	137	137
DIRECT CONTROL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL LOAD MANAGEMENT	214	236	137	137	137	137	137	137	137	137	137	137	137	137	137	137
EKPC																
CONTRACTUALLY INTERRUPTIBLE	119	122	124	124	124	124	124	124	124	124	124	124	124	124	124	124
DIRECT CONTROL	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
TOTAL LOAD MANAGEMENT	123	126	128	128	128	128	128	128	128	128	128	128	128	128	128	128

Notes:
Forecast represents the amount of Demand Resources cleared in RPM auctions.
Winter load management is equal to Contractually Interruptible.

Table B-7 (Continued)

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PJM WESTERN																
CONTRACTUALLY INTERRUPTIBLE	5,953	6,912	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052	6,052
DIRECT CONTROL	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
TOTAL LOAD MANAGEMENT	6,085	7,044	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184
DOM																
CONTRACTUALLY INTERRUPTIBLE	1,220	1,243	990	990	990	990	990	990	990	990	990	990	990	990	990	990
DIRECT CONTROL	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
TOTAL LOAD MANAGEMENT	1,307	1,330	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
PJM RTO																
CONTRACTUALLY INTERRUPTIBLE	13,590	13,960	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550	11,550
DIRECT CONTROL	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852	852
TOTAL LOAD MANAGEMENT	14,442	14,812	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402

Table B-8

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE																
ENERGY EFFICIENCY	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOAD MANAGEMENT	207	200	166	166	166	166	166	166	166	166	166	166	166	166	166	166
TOTAL	207	201	167	167	167	167	167	167	167	167	167	167	167	167	167	167
BGE																
ENERGY EFFICIENCY	62	65	93	93	93	93	93	93	93	93	93	93	93	93	93	93
LOAD MANAGEMENT	1,289	1,099	900	900	900	900	900	900	900	900	900	900	900	900	900	900
TOTAL	1,351	1,164	993	993	993	993	993	993	993	993	993	993	993	993	993	993
DPL																
ENERGY EFFICIENCY	5	12	17	17	17	17	17	17	17	17	17	17	17	17	17	17
LOAD MANAGEMENT	406	427	422	422	422	422	422	422	422	422	422	422	422	422	422	422
TOTAL	411	439	439	439	439	439	439	439	439	439	439	439	439	439	439	439
JCPL																
ENERGY EFFICIENCY	1	0	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LOAD MANAGEMENT	427	342	214	214	214	214	214	214	214	214	214	214	214	214	214	214
TOTAL	428	342	217	217	217	217	217	217	217	217	217	217	217	217	217	217
METED																
ENERGY EFFICIENCY	12	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
LOAD MANAGEMENT	386	337	301	301	301	301	301	301	301	301	301	301	301	301	301	301
TOTAL	398	343	308	308	308	308	308	308	308	308	308	308	308	308	308	308
PECO																
ENERGY EFFICIENCY	3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
LOAD MANAGEMENT	801	775	510	510	510	510	510	510	510	510	510	510	510	510	510	510
TOTAL	804	785	520	520	520	520	520	520	520	520	520	520	520	520	520	520
PENLC																
ENERGY EFFICIENCY	11	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7
LOAD MANAGEMENT	422	523	415	415	415	415	415	415	415	415	415	415	415	415	415	415
TOTAL	433	529	422	422	422	422	422	422	422	422	422	422	422	422	422	422

Notes:
Energy Efficiency values are impacts approved for use in PJM Reliability Pricing Model.
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)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PEPCO																
ENERGY EFFICIENCY	29	44	68	68	68	68	68	68	68	68	68	68	68	68	68	68
LOAD MANAGEMENT	876	834	638	638	638	638	638	638	638	638	638	638	638	638	638	638
TOTAL	905	878	706	706	706	706	706	706	706	706	706	706	706	706	706	706
PL																
ENERGY EFFICIENCY	7	9	22	22	22	22	22	22	22	22	22	22	22	22	22	22
LOAD MANAGEMENT	1,256	1,114	959	959	959	959	959	959	959	959	959	959	959	959	959	959
TOTAL	1,263	1,123	981	981	981	981	981	981	981	981	981	981	981	981	981	981
PS																
ENERGY EFFICIENCY	7	6	9	9	9	9	9	9	9	9	9	9	9	9	9	9
LOAD MANAGEMENT	950	767	606	606	606	606	606	606	606	606	606	606	606	606	606	606
TOTAL	957	773	615	615	615	615	615	615	615	615	615	615	615	615	615	615
RECO																
ENERGY EFFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOAD MANAGEMENT	30	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10
TOTAL	30	20	10	10	10	10	10	10	10	10	10	10	10	10	10	10
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	137	159	237	237	237	237	237	237	237	237	237	237	237	237	237	237
LOAD MANAGEMENT	7,050	6,438	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141	5,141
TOTAL	7,187	6,597	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378	5,378

Table B-8

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AEP																
ENERGY EFFICIENCY	6	156	95	95	95	95	95	95	95	95	95	95	95	95	95	95
LOAD MANAGEMENT	2,037	1,921	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762	1,762
TOTAL	2,043	2,077	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857
APS																
ENERGY EFFICIENCY	21	13	8	8	8	8	8	8	8	8	8	8	8	8	8	8
LOAD MANAGEMENT	865	924	658	658	658	658	658	658	658	658	658	658	658	658	658	658
TOTAL	886	937	666	666	666	666	666	666	666	666	666	666	666	666	666	666
ATSI																
ENERGY EFFICIENCY	25	46	177	177	177	177	177	177	177	177	177	177	177	177	177	177
LOAD MANAGEMENT	1,058	1,697	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740
TOTAL	1,083	1,743	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917	1,917
COMED																
ENERGY EFFICIENCY	299	301	362	362	362	362	362	362	362	362	362	362	362	362	362	362
LOAD MANAGEMENT	1,477	1,639	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187	1,187
TOTAL	1,776	1,940	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549	1,549
DAYTON																
ENERGY EFFICIENCY	2	1	7	7	7	7	7	7	7	7	7	7	7	7	7	7
LOAD MANAGEMENT	223	189	237	237	237	237	237	237	237	237	237	237	237	237	237	237
TOTAL	225	190	244	244	244	244	244	244	244	244	244	244	244	244	244	244
DEOK																
ENERGY EFFICIENCY	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LOAD MANAGEMENT	88	312	335	335	335	335	335	335	335	335	335	335	335	335	335	335
TOTAL	89	315	338	338	338	338	338	338	338	338	338	338	338	338	338	338
DLCO																
ENERGY EFFICIENCY	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
LOAD MANAGEMENT	214	236	137	137	137	137	137	137	137	137	137	137	137	137	137	137
TOTAL	216	239	140	140	140	140	140	140	140	140	140	140	140	140	140	140
EKPC																
ENERGY EFFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOAD MANAGEMENT	123	126	128	128	128	128	128	128	128	128	128	128	128	128	128	128
TOTAL	123	126	128	128	128	128	128	128	128	128	128	128	128	128	128	128

Notes:
Energy Efficiency values are impacts approved for use in PJM Reliability Pricing Model.
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)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PJM WESTERN																
ENERGY EFFICIENCY	356	523	655	655	655	655	655	655	655	655	655	655	655	655	655	655
LOAD MANAGEMENT	6,085	7,044	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184	6,184
TOTAL	6,441	7,567	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839	6,839
DOM																
ENERGY EFFICIENCY	29	3	26	26	26	26	26	26	26	26	26	26	26	26	26	26
LOAD MANAGEMENT	1,307	1,330	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077	1,077
TOTAL	1,336	1,333	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103	1,103
PJM RTO																
ENERGY EFFICIENCY	522	685	918	918	918	918	918	918	918	918	918	918	918	918	918	918
LOAD MANAGEMENT	14,442	14,812	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402	12,402
TOTAL	14,964	15,497	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320	13,320

Table B-9

**ADJUSTMENTS TO SUMMER PEAK LOAD (MW) FOR
EACH PJM ZONE AND RTO
2014 - 2029**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BGE	120	180	250	290	295	300	305	310	315	315	315	315	315	315	315	315
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	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370	-370
APS	80	100	120	120	120	120	120	120	120	120	120	120	120	120	120	120
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	0	288	361	438	521	608	699	796	896	896	896	896	896	896	896
PJM RTO	-215	-150	218	361	478	566	658	754	856	961	961	961	961	961	961	961

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
2014 - 2029**

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE	2,644	2,694	2,728	2,750	2,765	2,777	2,796	2,815	2,828	2,840	2,853	2,868	2,882	2,901	2,918	2,933
BGE	7,109	7,269	7,401	7,491	7,529	7,578	7,633	7,684	7,716	7,760	7,797	7,838	7,879	7,918	7,955	7,991
DPL	4,021	4,090	4,141	4,184	4,219	4,255	4,295	4,330	4,357	4,388	4,424	4,455	4,488	4,518	4,545	4,576
JCPL	6,111	6,236	6,316	6,369	6,393	6,456	6,510	6,554	6,597	6,636	6,672	6,716	6,763	6,804	6,849	6,872
METED	2,895	2,965	3,015	3,061	3,091	3,127	3,168	3,205	3,240	3,277	3,310	3,346	3,384	3,423	3,460	3,493
PECO	8,493	8,663	8,773	8,881	8,973	9,053	9,140	9,225	9,297	9,377	9,447	9,522	9,599	9,681	9,762	9,843
PENLC	2,830	2,914	2,976	3,025	3,060	3,100	3,143	3,185	3,221	3,259	3,292	3,329	3,366	3,403	3,436	3,465
PEPCO	6,602	6,666	6,705	6,729	6,755	6,793	6,861	6,894	6,915	6,926	6,951	7,010	7,041	7,067	7,070	7,093
PL	7,034	7,154	7,242	7,319	7,371	7,439	7,507	7,571	7,628	7,688	7,743	7,806	7,866	7,928	7,987	8,041
PS	10,216	10,334	10,416	10,470	10,500	10,549	10,604	10,649	10,683	10,723	10,754	10,794	10,837	10,884	10,921	10,959
RECO	406	409	412	413	413	415	417	418	419	420	420	421	422	424	425	425
UGI	190	193	196	198	200	201	203	205	206	208	209	210	212	214	215	216
AEP	22,567	22,926	23,148	23,323	23,467	23,597	23,752	23,920	24,024	24,158	24,318	24,460	24,602	24,779	24,901	25,099
APS	8,476	8,641	8,758	8,841	8,903	8,965	9,049	9,126	9,187	9,261	9,323	9,391	9,465	9,537	9,608	9,682
ATSI	12,791	12,937	13,013	13,083	13,116	13,172	13,253	13,310	13,339	13,393	13,429	13,506	13,567	13,634	13,671	13,718
COMED	22,272	22,833	23,156	23,447	23,646	23,878	24,197	24,415	24,606	24,805	25,011	25,261	25,491	25,708	25,888	26,046
DAYTON	3,309	3,404	3,460	3,503	3,532	3,564	3,600	3,636	3,667	3,701	3,737	3,774	3,813	3,854	3,890	3,931
DEOK	5,340	5,432	5,484	5,533	5,563	5,604	5,659	5,695	5,727	5,764	5,801	5,845	5,884	5,926	5,963	5,986
DLCO	2,861	2,913	2,948	2,976	2,998	3,016	3,041	3,061	3,079	3,100	3,118	3,138	3,162	3,182	3,203	3,226
EKPC	1,803	1,830	1,846	1,860	1,874	1,882	1,899	1,908	1,920	1,930	1,944	1,957	1,969	1,975	1,987	2,003
DOM	19,431	19,936	20,584	20,978	21,308	21,642	22,015	22,369	22,700	23,064	23,298	23,552	23,811	24,044	24,301	24,538
PJM RTO	157,401	160,439	162,718	164,434	165,676	167,063	168,742	170,175	171,356	172,678	173,851	175,199	176,503	177,804	178,955	180,136
PJM MID-ATLANTIC	58,551	59,587	60,321	60,890	61,269	61,743	62,277	62,735	63,107	63,502	63,872	64,315	64,739	65,165	65,543	65,907
EASTERN MID-ATLANTIC	31,891	32,426	32,786	33,067	33,263	33,505	33,762	33,991	34,181	34,384	34,570	34,776	34,991	35,212	35,420	35,608
SOUTHERN MID-ATLANTIC	13,711	13,935	14,106	14,220	14,284	14,371	14,494	14,578	14,631	14,686	14,748	14,848	14,920	14,985	15,025	15,084
MID-ATLANTIC and APS	67,027	68,228	69,079	69,731	70,172	70,708	71,326	71,861	72,294	72,763	73,195	73,706	74,204	74,702	75,151	75,589

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 2014
 SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
 2014 - 2024

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST	135,303	137,744	139,345	140,669	141,553	142,586	143,837	144,914	145,705	146,695	147,595	0.9%
		1.8%	1.2%	1.0%	0.6%	0.7%	0.9%	0.7%	0.5%	0.7%	0.6%	
PJM - SERC	22,096	22,695	23,375	23,765	24,122	24,478	24,906	25,262	25,652	25,984	26,257	1.7%
		2.7%	3.0%	1.7%	1.5%	1.5%	1.7%	1.4%	1.5%	1.3%	1.1%	
PJM RTO	157,399	160,439	162,720	164,434	165,675	167,064	168,743	170,176	171,357	172,679	173,852	1.0%
		1.9%	1.4%	1.1%	0.8%	0.8%	1.0%	0.8%	0.7%	0.8%	0.7%	

Notes:

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.
 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 2014
 SUMMER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
 2025 - 2029

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST	148,667	149,682	150,728	151,641	152,572	0.8%
	0.7%	0.7%	0.7%	0.6%	0.6%	
PJM - SERC	26,535	26,820	27,074	27,314	27,565	1.5%
	1.1%	1.1%	0.9%	0.9%	0.9%	
PJM RTO	175,202	176,502	177,802	178,955	180,137	0.9%
	0.8%	0.7%	0.7%	0.6%	0.7%	

Table B-12

PJM CONTROL AREA - JANUARY 2014
 WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
 2013/14 - 2023/24

	13/14	14/15	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	Annual Growth Rate (10 yr)
PJM - RELIABILITY FIRST	111,748	113,327	114,934	116,227	116,942	117,518	118,005	119,029	119,861	120,519	121,116	0.8%
		1.4%	1.4%	1.1%	0.6%	0.5%	0.4%	0.9%	0.7%	0.5%	0.5%	
PJM - SERC	19,971	20,302	20,772	21,331	21,611	21,891	22,134	22,490	22,777	23,102	23,380	1.6%
		1.7%	2.3%	2.7%	1.3%	1.3%	1.1%	1.6%	1.3%	1.4%	1.2%	
PJM RTO	131,719	133,629	135,706	137,558	138,553	139,409	140,139	141,519	142,638	143,621	144,496	0.9%
		1.5%	1.6%	1.4%	0.7%	0.6%	0.5%	1.0%	0.8%	0.7%	0.6%	

Notes:
 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.
 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 2014
 WINTER TOTAL INTERNAL DEMAND FORECAST (MW) FOR EACH NERC REGION
 2024/25 - 2028/29

	24/25	25/26	26/27	27/28	28/29	Annual Growth Rate (15 yr)
PJM - RELIABILITY FIRST	121,487	122,443	123,157	123,950	124,129	0.7%
	0.3%	0.8%	0.6%	0.6%	0.1%	
PJM - SERC	23,549	23,689	23,957	24,150	24,294	1.3%
	0.7%	0.6%	1.1%	0.8%	0.6%	
PJM RTO	145,036	146,132	147,114	148,100	148,423	0.8%
	0.4%	0.8%	0.7%	0.7%	0.2%	

Table C-1

**PJM LOCATIONAL DELIVERABILITY AREAS
CENTRAL MID-ATLANTIC: BGE, METED, PEPSCO, 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)
2014	17,207	24,547	16,845	21,506
2015	17,605	25,017	17,113	21,889
2016	17,775	25,369	17,357	22,215
2017	17,887	25,630	17,564	22,487
2018	18,015	25,735	17,760	22,669
2019	18,163	25,992	17,878	22,778
2020	18,462	26,187	17,920	22,911
2021	18,701	26,372	18,019	23,083
2022	18,632	26,562	18,206	23,237
2023	18,637	26,725	18,473	23,379
2024	18,956	26,909	18,630	23,485
2025	19,136	27,077	18,712	23,582
2026	19,273	27,250	18,737	23,709
2027	19,416	27,421	18,721	23,864
2028	19,239	27,575	19,045	24,016
2029	19,368	27,738	19,213	24,100

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2014	18,836	25,893	18,623	22,677
2015	19,206	26,337	18,942	23,134
2016	19,568	26,713	19,149	23,439
2017	19,660	26,997	19,381	23,730
2018	19,884	27,138	19,587	23,921
2019	20,017	27,378	19,730	24,049
2020	20,196	27,575	19,835	24,133
2021	20,416	27,777	19,941	24,330
2022	20,505	27,971	20,106	24,486
2023	20,570	28,163	20,259	24,631
2024	20,801	28,342	20,478	24,761
2025	20,941	28,516	20,594	24,828
2026	21,061	28,692	20,689	25,004
2027	21,283	28,880	20,736	25,140
2028	21,264	29,067	20,907	25,282
2029	21,480	29,184	21,151	25,411

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)
2014	10,561	13,383	10,508	13,044
2015	10,775	13,671	10,744	13,290
2016	10,947	13,904	10,913	13,529
2017	11,109	14,068	11,041	13,743
2018	11,256	14,188	11,161	13,867
2019	11,395	14,342	11,246	13,981
2020	11,499	14,489	11,399	14,091
2021	11,641	14,634	11,475	14,230
2022	11,722	14,797	11,643	14,381
2023	11,817	14,927	11,757	14,509
2024	12,022	15,050	11,882	14,619
2025	12,111	15,197	11,991	14,721
2026	12,211	15,335	12,115	14,831
2027	12,336	15,475	12,150	14,968
2028	12,387	15,613	12,293	15,109
2029	12,523	15,713	12,469	15,198

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2014	10,915	14,092	10,603	13,651
2015	11,162	14,397	10,815	13,965
2016	11,407	14,621	11,013	14,216
2017	11,528	14,761	11,132	14,486
2018	11,667	14,885	11,277	14,619
2019	11,796	15,084	11,396	14,691
2020	11,903	15,250	11,469	14,722
2021	12,065	15,398	11,550	14,930
2022	12,212	15,537	11,754	15,127
2023	12,284	15,647	11,877	15,275
2024	12,426	15,817	12,039	15,387
2025	12,540	15,977	12,138	15,356
2026	12,652	16,106	12,214	15,549
2027	12,817	16,250	12,241	15,679
2028	12,900	16,356	12,440	15,877
2029	13,044	16,470	12,613	15,903

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)
2014	18,852	32,941	20,134	22,720
2015	19,239	33,484	20,288	23,064
2016	19,445	33,880	20,322	23,386
2017	19,560	34,165	20,734	23,642
2018	19,772	34,374	21,180	23,781
2019	19,925	34,599	21,313	23,920
2020	20,134	34,839	21,188	24,034
2021	20,601	35,069	21,197	24,206
2022	20,416	35,307	21,276	24,377
2023	20,468	35,493	21,640	24,511
2024	21,257	35,688	22,066	24,622
2025	21,371	35,901	22,156	24,724
2026	21,434	36,133	22,049	24,863
2027	21,508	36,353	22,051	25,006
2028	21,151	36,586	22,370	25,181
2029	21,298	36,780	22,841	25,280

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2014	22,731	35,173	23,108	23,732
2015	23,290	35,767	23,481	24,111
2016	23,388	36,212	23,685	24,413
2017	23,469	36,487	24,001	24,696
2018	23,859	36,553	24,349	24,871
2019	24,097	36,943	24,509	24,967
2020	24,379	37,258	24,503	25,054
2021	24,652	37,505	24,742	25,251
2022	24,578	37,754	24,763	25,407
2023	24,570	37,912	25,033	25,592
2024	24,998	38,116	25,364	25,724
2025	25,205	38,395	25,362	25,749
2026	25,427	38,591	25,493	25,927
2027	25,656	38,829	25,728	26,069
2028	25,413	39,056	25,877	26,226
2029	25,801	39,134	26,264	26,314

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)
2014	9,074	14,228	9,229	11,396
2015	9,313	14,456	9,364	11,593
2016	9,400	14,641	9,423	11,774
2017	9,477	14,772	9,609	11,924
2018	9,596	14,813	9,719	12,029
2019	9,668	14,927	9,757	12,067
2020	9,753	15,022	9,764	12,121
2021	9,833	15,092	9,753	12,174
2022	9,805	15,164	9,815	12,234
2023	9,783	15,234	9,969	12,291
2024	9,980	15,307	10,039	12,345
2025	9,985	15,386	10,073	12,376
2026	10,072	15,456	10,108	12,393
2027	10,127	15,511	10,027	12,459
2028	10,017	15,575	10,201	12,510
2029	10,150	15,627	10,267	12,563

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2014	10,420	14,961	10,526	12,024
2015	10,624	15,195	10,707	12,330
2016	10,836	15,410	10,786	12,487
2017	10,899	15,542	10,930	12,637
2018	10,958	15,601	11,031	12,734
2019	11,012	15,704	11,095	12,770
2020	11,101	15,806	11,157	12,769
2021	11,207	15,896	11,219	12,905
2022	11,284	15,986	11,231	12,959
2023	11,292	16,040	11,286	13,017
2024	11,341	16,112	11,384	13,063
2025	11,399	16,202	11,433	13,033
2026	11,437	16,262	11,478	13,154
2027	11,541	16,335	11,532	13,200
2028	11,568	16,409	11,540	13,242
2029	11,607	16,453	11,650	13,224

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)
2014	44,989	69,064	45,276	55,337
2015	46,079	70,289	46,021	56,362
2016	46,489	71,252	46,571	57,269
2017	46,836	71,932	47,185	58,110
2018	47,417	72,419	47,748	58,490
2019	47,787	72,928	47,985	58,878
2020	48,520	73,450	48,171	59,108
2021	49,014	73,983	48,397	59,606
2022	49,087	74,502	49,125	60,126
2023	49,028	74,976	49,741	60,543
2024	50,153	75,442	50,347	60,831
2025	50,285	75,894	50,589	61,043
2026	50,855	76,376	50,769	61,399
2027	51,181	76,885	50,405	61,837
2028	50,783	77,407	51,439	62,356
2029	51,399	77,906	52,010	62,610

EXTREME WEATHER (90/10) FORECAST

YEAR	SPRING (WK 14-19)	SUMMER (WK 20-39)	FALL (WK 40-45)	WINTER (WK 46-13)
2014	50,688	72,974	51,065	58,036
2015	51,737	74,257	51,953	59,270
2016	52,364	75,115	52,570	60,108
2017	52,728	75,841	53,172	61,261
2018	53,464	76,312	53,829	61,701
2019	53,870	77,037	54,232	61,970
2020	54,466	77,650	54,410	62,063
2021	54,919	78,183	54,859	62,494
2022	55,163	78,622	55,099	63,325
2023	55,545	79,135	55,701	63,790
2024	56,141	79,762	56,374	64,109
2025	56,536	80,337	56,568	64,047
2026	56,927	80,823	56,865	64,419
2027	57,329	81,324	57,189	64,807
2028	57,354	81,737	57,653	65,631
2029	58,057	82,077	58,411	65,617

THIS PAGE INTENTIONALLY LEFT BLANK

Table D-1

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AE	2,908	2,963	3,002	3,026	3,043	3,056	3,077	3,096	3,114	3,127	3,140	3,158	3,172	3,191	3,210	3,231
BGE	7,762	7,922	8,074	8,167	8,196	8,250	8,306	8,359	8,410	8,444	8,480	8,528	8,563	8,606	8,651	8,687
DPL	4,357	4,436	4,502	4,540	4,567	4,612	4,659	4,699	4,739	4,761	4,794	4,836	4,866	4,901	4,932	4,961
JCPL	6,836	6,960	7,058	7,105	7,106	7,198	7,260	7,310	7,362	7,385	7,429	7,487	7,526	7,574	7,615	7,625
METED	3,155	3,228	3,280	3,324	3,358	3,399	3,446	3,485	3,520	3,554	3,594	3,641	3,677	3,717	3,751	3,786
PECO	9,364	9,554	9,694	9,798	9,880	9,969	10,086	10,172	10,258	10,326	10,402	10,496	10,576	10,661	10,746	10,817
PENLC	3,072	3,162	3,225	3,272	3,302	3,351	3,400	3,441	3,478	3,510	3,548	3,594	3,630	3,663	3,691	3,720
PEPCO	7,200	7,273	7,336	7,375	7,405	7,454	7,500	7,538	7,576	7,596	7,632	7,674	7,699	7,729	7,758	7,790
PL	7,657	7,795	7,901	7,948	8,007	8,113	8,194	8,267	8,326	8,356	8,447	8,529	8,587	8,658	8,680	8,729
PS	11,250	11,391	11,492	11,550	11,495	11,638	11,703	11,755	11,807	11,837	11,874	11,938	11,971	12,021	12,071	12,024
RECO	458	463	465	468	462	470	473	474	475	476	477	480	480	481	482	476
UGI	208	212	215	217	218	221	222	224	226	227	228	230	232	233	235	235
DIVERSITY - MID-ATLANTIC(-)	332	332	400	302	138	271	341	336	363	329	239	292	259	256	322	192
PJM MID-ATLANTIC	63,895	65,027	65,844	66,488	66,901	67,460	67,985	68,484	68,928	69,270	69,806	70,299	70,720	71,179	71,500	71,889
FE-EAST	13,063	13,350	13,563	13,701	13,766	13,948	14,106	14,236	14,359	14,449	14,571	14,722	14,833	14,954	15,056	15,131
PLGRP	7,865	8,007	8,116	8,165	8,225	8,333	8,416	8,491	8,551	8,583	8,675	8,759	8,819	8,891	8,914	8,964

Table D-1

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

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
AEP	24,707	25,117	25,441	25,600	25,731	25,892	26,066	26,241	26,451	26,559	26,701	26,881	27,021	27,197	27,413	27,588
APS	9,273	9,453	9,582	9,683	9,743	9,816	9,903	9,981	10,055	10,140	10,204	10,284	10,351	10,426	10,519	10,594
ATSI	13,957	14,118	14,194	14,263	14,305	14,416	14,478	14,528	14,566	14,605	14,701	14,763	14,811	14,870	14,908	14,979
COMED	25,053	25,603	26,055	26,358	26,566	26,869	27,122	27,376	27,650	27,855	28,124	28,371	28,586	28,824	29,067	29,266
DAYTON	3,626	3,730	3,802	3,848	3,879	3,906	3,945	3,986	4,028	4,059	4,093	4,133	4,171	4,216	4,262	4,308
DEOK	5,837	5,938	6,061	6,081	6,116	6,150	6,200	6,248	6,328	6,330	6,358	6,405	6,453	6,500	6,550	6,594
DLCO	3,184	3,243	3,287	3,340	3,339	3,360	3,385	3,409	3,433	3,475	3,471	3,494	3,514	3,540	3,585	3,587
EKPC	2,044	2,070	2,089	2,103	2,116	2,127	2,142	2,156	2,171	2,180	2,192	2,207	2,218	2,230	2,244	2,261
DIVERSITY - WESTERN(-)	754	930	963	921	860	813	972	970	1,054	939	830	865	955	937	991	970
PJM WESTERN	86,927	88,342	89,548	90,355	90,935	91,723	92,269	92,955	93,628	94,264	95,014	95,673	96,170	96,866	97,557	98,207
DOM	20,790	21,332	22,052	22,437	22,788	23,130	23,521	23,907	24,295	24,640	24,887	25,165	25,404	25,675	25,957	26,236
DIVERSITY - INTERREGIONAL(-)	2,287	2,113	2,425	3,188	3,169	3,308	2,398	2,455	2,585	3,271	3,511	2,792	2,621	2,682	3,475	3,459
PJM RTO	169,325	172,588	175,019	176,092	177,455	179,005	181,377	182,891	184,266	184,903	186,196	188,345	189,673	191,038	191,539	192,873

Table D-2

**WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2013/14 - 2028/29**

	13/14	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
AE	1,830	1,864	1,887	1,907	1,909	1,911	1,911	1,928	1,938	1,950	1,950	1,943	1,959	1,970	1,977	1,966
BGE	6,245	6,449	6,549	6,663	6,704	6,706	6,694	6,765	6,799	6,823	6,824	6,789	6,851	6,868	6,894	6,846
DPL	3,610	3,703	3,751	3,788	3,808	3,817	3,829	3,885	3,911	3,932	3,948	3,944	3,992	4,018	4,042	4,038
JCPL	4,071	4,174	4,219	4,263	4,282	4,293	4,309	4,354	4,383	4,403	4,419	4,422	4,462	4,488	4,512	4,512
METED	2,742	2,820	2,866	2,918	2,942	2,965	2,981	3,032	3,072	3,102	3,123	3,134	3,188	3,216	3,257	3,261
PECO	6,970	7,147	7,267	7,406	7,463	7,491	7,508	7,631	7,709	7,800	7,843	7,815	7,922	7,989	8,065	8,075
PENLC	2,999	3,101	3,187	3,266	3,309	3,341	3,359	3,423	3,478	3,523	3,557	3,561	3,619	3,661	3,708	3,713
PEPCO	5,780	5,882	5,949	6,012	6,044	6,064	6,076	6,155	6,200	6,230	6,254	6,244	6,311	6,346	6,385	6,378
PL	7,703	7,893	8,009	8,108	8,159	8,166	8,163	8,314	8,392	8,445	8,488	8,435	8,577	8,635	8,711	8,699
PS	7,056	7,187	7,257	7,310	7,336	7,342	7,333	7,417	7,446	7,472	7,493	7,464	7,540	7,569	7,600	7,581
RECO	241	242	243	244	245	246	246	247	248	249	250	251	252	253	253	254
UGI	208	213	215	218	219	219	220	222	224	226	226	226	228	229	231	230
DIVERSITY - MID-ATLANTIC(-)	442	652	676	636	585	411	387	691	631	627	570	388	669	694	595	358
PJM MID-ATLANTIC	49,013	50,023	50,723	51,467	51,835	52,150	52,242	52,682	53,169	53,528	53,805	53,840	54,232	54,548	55,040	55,195
FE-EAST	9,802	10,025	10,213	10,398	10,509	10,587	10,635	10,745	10,884	10,983	11,074	11,102	11,210	11,307	11,424	11,483
PLGRP	7,911	8,105	8,221	8,321	8,377	8,385	8,383	8,531	8,600	8,668	8,712	8,661	8,802	8,858	8,930	8,929

Table D-2

**WINTER EXTREME WEATHER (90/10) PEAK LOAD FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2013/14 - 2028/29**

	13/14	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
AEP	24,496	24,735	25,091	25,215	25,322	25,384	25,388	25,861	25,921	26,019	26,125	26,080	26,489	26,680	26,727	26,677
APS	9,182	9,503	9,664	9,813	9,880	9,921	9,969	10,120	10,236	10,304	10,373	10,377	10,527	10,606	10,721	10,723
ATSI	11,006	11,124	11,177	11,222	11,228	11,225	11,201	11,293	11,326	11,344	11,347	11,300	11,390	11,416	11,445	11,383
COMED	16,599	16,992	17,276	17,473	17,589	17,699	17,695	17,972	18,113	18,262	18,362	18,277	18,551	18,682	18,841	18,799
DAYTON	3,025	3,117	3,168	3,201	3,218	3,230	3,238	3,295	3,310	3,334	3,352	3,357	3,413	3,441	3,459	3,457
DEOK	4,689	4,788	4,821	4,844	4,859	4,863	4,851	4,923	4,939	4,954	4,965	4,941	5,014	5,030	5,043	5,019
DLCO	2,267	2,310	2,329	2,344	2,352	2,349	2,349	2,379	2,389	2,392	2,397	2,394	2,418	2,426	2,436	2,431
EKPC	2,623	2,652	2,662	2,668	2,670	2,668	2,664	2,687	2,693	2,697	2,699	2,688	2,709	2,714	2,720	2,708
DIVERSITY - WESTERN(-)	999	1,165	1,274	1,485	1,415	1,274	1,194	1,370	1,465	1,572	1,500	1,221	1,367	1,419	1,503	1,320
PJM WESTERN	72,888	74,056	74,914	75,295	75,703	76,065	76,161	77,160	77,462	77,734	78,120	78,193	79,144	79,576	79,889	79,877
DOM	18,944	19,467	19,841	20,538	20,812	20,998	21,139	21,578	21,953	22,339	22,590	22,536	22,859	23,069	23,331	23,400
DIVERSITY - INTERREGIONAL(-)	1,746	880	696	753	1,226	1,981	1,871	715	813	843	1,290	1,907	834	799	891	1,909
PJM RTO	139,099	142,666	144,782	146,547	147,124	147,232	147,671	150,705	151,771	152,758	153,225	152,662	155,401	156,394	157,369	156,563

Table E-1

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014 - 2024**

	ESTIMATED 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
AE	11,200	11,329	11,510	11,682	11,740	11,799	11,840	11,934	12,000	12,059	12,114	12,199	0.7%
		1.2%	1.6%	1.5%	0.5%	0.5%	0.3%	0.8%	0.6%	0.5%	0.5%	0.7%	
BGE	34,364	35,142	35,772	36,477	36,754	36,913	37,049	37,336	37,478	37,669	37,814	38,053	0.8%
		2.3%	1.8%	2.0%	0.8%	0.4%	0.4%	0.8%	0.4%	0.5%	0.4%	0.6%	
DPL	19,380	19,580	19,871	20,171	20,304	20,453	20,576	20,789	20,928	21,071	21,205	21,393	0.9%
		1.0%	1.5%	1.5%	0.7%	0.7%	0.6%	1.0%	0.7%	0.7%	0.6%	0.9%	
JCPL	24,249	24,621	25,112	25,578	25,780	25,967	26,117	26,392	26,600	26,799	26,974	27,191	1.0%
		1.5%	2.0%	1.9%	0.8%	0.7%	0.6%	1.1%	0.8%	0.7%	0.7%	0.8%	
METED	16,226	16,517	16,918	17,298	17,506	17,714	17,881	18,167	18,353	18,580	18,780	19,022	1.4%
		1.8%	2.4%	2.2%	1.2%	1.2%	0.9%	1.6%	1.0%	1.2%	1.1%	1.3%	
PECO	42,229	42,891	43,836	44,714	45,219	45,714	46,137	46,761	47,133	47,603	48,027	48,552	1.2%
		1.6%	2.2%	2.0%	1.1%	1.1%	0.9%	1.4%	0.8%	1.0%	0.9%	1.1%	
PENLC	18,689	19,174	19,879	20,507	20,874	21,207	21,488	21,903	22,191	22,525	22,828	23,174	1.9%
		2.6%	3.7%	3.2%	1.8%	1.6%	1.3%	1.9%	1.3%	1.5%	1.3%	1.5%	
PEPCO	32,541	32,791	33,124	33,519	33,665	33,857	34,019	34,300	34,434	34,615	34,771	35,024	0.7%
		0.8%	1.0%	1.2%	0.4%	0.6%	0.5%	0.8%	0.4%	0.5%	0.5%	0.7%	
PL	42,068	42,645	43,467	44,262	44,646	45,064	45,380	45,965	46,284	46,703	47,076	47,554	1.1%
		1.4%	1.9%	1.8%	0.9%	0.9%	0.7%	1.3%	0.7%	0.9%	0.8%	1.0%	
PS	46,814	47,276	47,885	48,497	48,679	48,869	49,015	49,418	49,613	49,861	50,033	50,291	0.6%
		1.0%	1.3%	1.3%	0.4%	0.4%	0.3%	0.8%	0.4%	0.5%	0.3%	0.5%	
RECO	1,558	1,568	1,582	1,594	1,597	1,599	1,604	1,613	1,613	1,619	1,623	1,628	0.4%
		0.6%	0.9%	0.8%	0.2%	0.1%	0.3%	0.6%	0.0%	0.4%	0.2%	0.3%	
UGI	1,071	1,088	1,109	1,132	1,142	1,154	1,163	1,177	1,183	1,194	1,204	1,216	1.1%
		1.6%	1.9%	2.1%	0.9%	1.1%	0.8%	1.2%	0.5%	0.9%	0.8%	1.0%	
PJM MID-ATLANTIC	290,389	294,622	300,065	305,431	307,906	310,310	312,269	315,755	317,810	320,298	322,449	325,297	1.0%
		1.5%	1.8%	1.8%	0.8%	0.8%	0.6%	1.1%	0.7%	0.8%	0.7%	0.9%	
FE-EAST	59,164	60,312	61,909	63,383	64,160	64,888	65,486	66,462	67,144	67,904	68,582	69,387	1.4%
		1.9%	2.6%	2.4%	1.2%	1.1%	0.9%	1.5%	1.0%	1.1%	1.0%	1.2%	
PLGRP	43,139	43,733	44,576	45,394	45,788	46,218	46,543	47,142	47,467	47,897	48,280	48,770	1.1%
		1.4%	1.9%	1.8%	0.9%	0.9%	0.7%	1.3%	0.7%	0.9%	0.8%	1.0%	

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
2025 - 2029**

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AE	12,216	12,268	12,326	12,420	12,453	0.6%
	0.1%	0.4%	0.5%	0.8%	0.3%	
BGE	38,091	38,227	38,367	38,630	38,671	0.6%
	0.1%	0.4%	0.4%	0.7%	0.1%	
DPL	21,469	21,592	21,718	21,912	21,981	0.8%
	0.4%	0.6%	0.6%	0.9%	0.3%	
JCPL	27,296	27,477	27,666	27,942	28,077	0.9%
	0.4%	0.7%	0.7%	1.0%	0.5%	
METED	19,180	19,402	19,631	19,901	20,066	1.3%
	0.8%	1.2%	1.2%	1.4%	0.8%	
PECO	48,847	49,277	49,716	50,318	50,632	1.1%
	0.6%	0.9%	0.9%	1.2%	0.6%	
PENLC	23,402	23,704	24,015	24,365	24,571	1.7%
	1.0%	1.3%	1.3%	1.5%	0.8%	
PEPCO	35,085	35,230	35,371	35,627	35,696	0.6%
	0.2%	0.4%	0.4%	0.7%	0.2%	
PL	47,799	48,192	48,596	49,122	49,370	1.0%
	0.5%	0.8%	0.8%	1.1%	0.5%	
PS	50,378	50,585	50,799	51,167	51,241	0.5%
	0.2%	0.4%	0.4%	0.7%	0.1%	
RECO	1,629	1,630	1,633	1,641	1,641	0.3%
	0.1%	0.1%	0.2%	0.5%	0.0%	
UGI	1,220	1,230	1,240	1,254	1,261	1.0%
	0.3%	0.8%	0.8%	1.1%	0.6%	
PJM MID-ATLANTIC	326,612	328,814	331,078	334,299	335,660	0.9%
	0.4%	0.7%	0.7%	1.0%	0.4%	
FE-EAST	69,878	70,583	71,312	72,208	72,714	1.3%
	0.7%	1.0%	1.0%	1.3%	0.7%	
PLGRP	49,019	49,422	49,836	50,376	50,631	1.0%
	0.5%	0.8%	0.8%	1.1%	0.5%	

Table E-1

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2014 - 2024**

	ESTIMATED 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
AEP	137,712	137,450	139,332	141,104	141,656	142,364	142,834	144,133	144,528	145,335	145,990	147,001	0.7%
		-0.2%	1.4%	1.3%	0.4%	0.5%	0.3%	0.9%	0.3%	0.6%	0.5%	0.7%	
APS	49,892	50,933	51,869	52,773	53,096	53,484	53,804	54,438	54,766	55,203	55,594	56,115	1.0%
		2.1%	1.8%	1.7%	0.6%	0.7%	0.6%	1.2%	0.6%	0.8%	0.7%	0.9%	
ATSI	70,302	70,831	71,558	72,265	72,369	72,598	72,681	73,281	73,466	73,751	73,918	74,253	0.5%
		0.8%	1.0%	1.0%	0.1%	0.3%	0.1%	0.8%	0.3%	0.4%	0.2%	0.5%	
COMED	105,300	107,405	110,231	112,829	114,151	115,388	116,424	118,110	119,192	120,474	121,628	123,003	1.4%
		2.0%	2.6%	2.4%	1.2%	1.1%	0.9%	1.4%	0.9%	1.1%	1.0%	1.1%	
DAYTON	17,572	17,892	18,478	18,939	19,176	19,356	19,484	19,777	19,966	20,193	20,387	20,611	1.4%
		1.8%	3.3%	2.5%	1.3%	0.9%	0.7%	1.5%	1.0%	1.1%	1.0%	1.1%	
DEOK	27,917	28,180	28,582	28,970	29,124	29,284	29,407	29,681	29,826	30,009	30,163	30,375	0.8%
		0.9%	1.4%	1.4%	0.5%	0.5%	0.4%	0.9%	0.5%	0.6%	0.5%	0.7%	
DLCO	15,102	15,315	15,598	15,869	15,990	16,107	16,191	16,366	16,450	16,571	16,674	16,804	0.9%
		1.4%	1.8%	1.7%	0.8%	0.7%	0.5%	1.1%	0.5%	0.7%	0.6%	0.8%	
EKPC	10,209	10,262	10,322	10,407	10,414	10,449	10,466	10,536	10,546	10,583	10,610	10,667	0.4%
		0.5%	0.6%	0.8%	0.1%	0.3%	0.2%	0.7%	0.1%	0.4%	0.3%	0.5%	
PJM WESTERN	434,006	438,268	445,970	453,156	455,976	459,030	461,291	466,322	468,740	472,119	474,964	478,829	0.9%
		1.0%	1.8%	1.6%	0.6%	0.7%	0.5%	1.1%	0.5%	0.7%	0.6%	0.8%	
DOM	97,822	99,880	102,496	106,273	108,014	109,728	111,347	113,479	115,115	116,965	118,749	120,332	1.9%
		2.1%	2.6%	3.7%	1.6%	1.6%	1.5%	1.9%	1.4%	1.6%	1.5%	1.3%	
PJM RTO	822,217	832,770	848,531	864,860	871,896	879,068	884,907	895,556	901,665	909,382	916,162	924,458	1.0%
		1.3%	1.9%	1.9%	0.8%	0.8%	0.7%	1.2%	0.7%	0.9%	0.7%	0.9%	

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
2025 - 2029**

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AEP	147,319	148,096	148,938	150,164	150,651	0.6%
	0.2%	0.5%	0.6%	0.8%	0.3%	
APS	56,358	56,762	57,179	57,763	58,043	0.9%
	0.4%	0.7%	0.7%	1.0%	0.5%	
ATSI	74,351	74,654	74,960	75,383	75,480	0.4%
	0.1%	0.4%	0.4%	0.6%	0.1%	
COMED	123,858	125,077	126,288	127,754	128,588	1.2%
	0.7%	1.0%	1.0%	1.2%	0.7%	
DAYTON	20,779	21,019	21,273	21,574	21,771	1.3%
	0.8%	1.2%	1.2%	1.4%	0.9%	
DEOK	30,462	30,636	30,813	31,076	31,173	0.7%
	0.3%	0.6%	0.6%	0.9%	0.3%	
DLCO	16,870	16,986	17,104	17,266	17,337	0.8%
	0.4%	0.7%	0.7%	0.9%	0.4%	
EKPC	10,669	10,698	10,724	10,788	10,796	0.3%
	0.0%	0.3%	0.2%	0.6%	0.1%	
PJM WESTERN	480,666	483,928	487,279	491,768	493,839	0.8%
	0.4%	0.7%	0.7%	0.9%	0.4%	
DOM	121,281	122,524	123,841	125,565	126,575	1.6%
	0.8%	1.0%	1.1%	1.4%	0.8%	
PJM RTO	928,559	935,266	942,198	951,632	956,074	0.9%
	0.4%	0.7%	0.7%	1.0%	0.5%	

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 2014	965	3,282	1,820	2,143	1,526	3,838	1,766	2,981	4,125	4,014	129	109	26,698
Feb 2014	846	2,845	1,588	1,870	1,347	3,363	1,564	2,591	3,611	3,536	112	95	23,368
Mar 2014	852	2,798	1,542	1,899	1,368	3,423	1,628	2,548	3,614	3,666	119	94	23,551
Apr 2014	792	2,493	1,377	1,764	1,245	3,150	1,493	2,329	3,204	3,478	113	81	21,519
May 2014	843	2,602	1,439	1,858	1,281	3,262	1,520	2,459	3,254	3,659	122	80	22,379
Jun 2014	995	3,051	1,690	2,163	1,354	3,666	1,509	2,923	3,373	4,194	143	83	25,144
Jul 2014	1,263	3,537	1,995	2,635	1,524	4,280	1,644	3,370	3,780	4,930	170	95	29,223
Aug 2014	1,224	3,424	1,923	2,500	1,485	4,126	1,631	3,231	3,692	4,724	160	92	28,212
Sep 2014	918	2,773	1,555	1,953	1,282	3,394	1,519	2,660	3,268	3,841	130	80	23,373
Oct 2014	850	2,598	1,452	1,877	1,316	3,337	1,590	2,433	3,342	3,699	124	84	22,702
Nov 2014	833	2,631	1,470	1,844	1,301	3,299	1,565	2,428	3,402	3,591	118	89	22,571
Dec 2014	948	3,108	1,729	2,115	1,488	3,753	1,745	2,838	3,980	3,944	128	106	25,882
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2015	976	3,324	1,842	2,178	1,555	3,907	1,820	3,004	4,182	4,047	130	110	27,075
Feb 2015	858	2,893	1,614	1,907	1,379	3,437	1,621	2,621	3,677	3,583	113	96	23,799
Mar 2015	865	2,851	1,568	1,940	1,406	3,509	1,695	2,579	3,694	3,726	120	96	24,049
Apr 2015	807	2,544	1,401	1,805	1,276	3,226	1,550	2,355	3,269	3,526	113	83	21,955
May 2015	858	2,651	1,459	1,897	1,310	3,336	1,575	2,478	3,311	3,703	123	82	22,783
Jun 2015	1,014	3,115	1,717	2,211	1,392	3,757	1,570	2,959	3,454	4,264	145	85	25,683
Jul 2015	1,282	3,596	2,021	2,681	1,558	4,365	1,701	3,396	3,849	4,983	171	97	29,700
Aug 2015	1,243	3,483	1,949	2,547	1,519	4,212	1,688	3,258	3,758	4,780	162	94	28,693
Sep 2015	934	2,820	1,575	1,991	1,312	3,463	1,576	2,679	3,328	3,881	131	82	23,772
Oct 2015	863	2,643	1,470	1,911	1,341	3,402	1,640	2,453	3,392	3,738	125	85	23,063
Nov 2015	847	2,685	1,495	1,884	1,337	3,378	1,626	2,462	3,481	3,641	119	91	23,046
Dec 2015	963	3,167	1,760	2,160	1,533	3,844	1,817	2,880	4,072	4,013	130	108	26,447
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2016	986	3,371	1,863	2,208	1,585	3,974	1,875	3,032	4,243	4,084	130	112	27,463
Feb 2016	900	3,047	1,694	2,009	1,459	3,631	1,734	2,747	3,873	3,756	118	102	25,070
Mar 2016	885	2,917	1,600	1,990	1,443	3,590	1,755	2,621	3,772	3,792	121	98	24,584
Apr 2016	818	2,588	1,418	1,835	1,299	3,280	1,594	2,373	3,314	3,560	114	84	22,277
May 2016	871	2,704	1,481	1,931	1,339	3,402	1,626	2,507	3,371	3,746	123	84	23,185
Jun 2016	1,028	3,172	1,740	2,250	1,421	3,826	1,617	2,984	3,512	4,315	146	87	26,098
Jul 2016	1,293	3,629	2,030	2,702	1,569	4,396	1,726	3,392	3,862	4,985	170	98	29,852
Aug 2016	1,259	3,555	1,978	2,599	1,563	4,303	1,750	3,303	3,849	4,865	165	96	29,285
Sep 2016	945	2,867	1,592	2,020	1,335	3,517	1,616	2,699	3,371	3,913	131	83	24,089
Oct 2016	872	2,685	1,484	1,936	1,362	3,453	1,678	2,471	3,432	3,766	126	87	23,352
Nov 2016	852	2,728	1,509	1,905	1,365	3,439	1,676	2,485	3,541	3,662	119	92	23,373
Dec 2016	973	3,214	1,782	2,193	1,558	3,903	1,860	2,905	4,122	4,053	131	109	26,803

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		PJM RTO
									WESTERN	DOM	
Jan 2014	13,108	4,976	6,373	9,351	1,620	2,525	1,332	1,094	40,379	9,384	76,461
Feb 2014	11,424	4,356	5,669	8,243	1,419	2,199	1,176	927	35,413	8,108	66,889
Mar 2014	11,490	4,334	5,854	8,552	1,433	2,206	1,233	849	35,951	7,848	67,350
Apr 2014	10,291	3,815	5,465	8,031	1,334	2,054	1,155	701	32,846	7,026	61,391
May 2014	10,605	3,884	5,647	8,356	1,388	2,164	1,219	722	33,985	7,413	63,777
Jun 2014	11,132	4,033	5,810	9,062	1,506	2,484	1,311	824	36,162	8,724	70,030
Jul 2014	12,348	4,472	6,505	10,732	1,718	2,815	1,489	924	41,003	9,879	80,105
Aug 2014	12,152	4,398	6,372	10,256	1,676	2,739	1,446	910	39,949	9,564	77,725
Sep 2014	10,577	3,851	5,586	8,507	1,401	2,218	1,223	740	34,103	7,960	65,436
Oct 2014	10,796	3,952	5,737	8,569	1,424	2,178	1,224	718	34,598	7,418	64,718
Nov 2014	10,912	4,078	5,620	8,397	1,398	2,148	1,196	816	34,565	7,562	64,698
Dec 2014	12,615	4,784	6,193	9,349	1,575	2,450	1,311	1,037	39,314	8,994	74,190
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2015	13,243	5,055	6,402	9,541	1,658	2,548	1,349	1,099	40,895	9,595	77,565
Feb 2015	11,596	4,443	5,721	8,446	1,461	2,228	1,196	933	36,024	8,323	68,146
Mar 2015	11,691	4,427	5,934	8,807	1,487	2,242	1,259	856	36,703	8,075	68,827
Apr 2015	10,436	3,891	5,517	8,254	1,383	2,085	1,178	705	33,449	7,238	62,642
May 2015	10,720	3,943	5,695	8,580	1,436	2,192	1,241	724	34,531	7,613	64,927
Jun 2015	11,313	4,116	5,895	9,346	1,566	2,529	1,340	830	36,935	8,963	71,581
Jul 2015	12,494	4,543	6,567	10,988	1,769	2,855	1,515	929	41,660	10,115	81,475
Aug 2015	12,302	4,469	6,430	10,511	1,729	2,780	1,472	916	40,609	9,800	79,102
Sep 2015	10,698	3,915	5,638	8,728	1,447	2,244	1,245	742	34,657	8,156	66,585
Oct 2015	10,899	4,009	5,773	8,775	1,465	2,202	1,243	720	35,086	7,602	65,751
Nov 2015	11,081	4,163	5,693	8,633	1,446	2,182	1,220	822	35,240	7,778	66,064
Dec 2015	12,859	4,895	6,293	9,622	1,631	2,495	1,340	1,046	40,181	9,238	75,866
	AEP	APS	ATSI	COMED	DAYTON	DEOK	DLCO	EKPC	WESTERN	DOM	PJM RTO
Jan 2016	13,380	5,132	6,443	9,732	1,694	2,573	1,367	1,104	41,425	9,901	78,789
Feb 2016	12,168	4,682	5,979	8,949	1,551	2,335	1,260	971	37,895	8,920	71,885
Mar 2016	11,854	4,518	6,005	9,042	1,533	2,281	1,283	862	37,378	8,421	70,383
Apr 2016	10,516	3,938	5,549	8,438	1,412	2,104	1,195	707	33,859	7,504	63,640
May 2016	10,843	4,011	5,749	8,788	1,475	2,221	1,262	730	35,079	7,917	66,181
Jun 2016	11,425	4,178	5,945	9,566	1,602	2,559	1,361	834	37,470	9,261	72,829
Jul 2016	12,480	4,560	6,536	11,102	1,782	2,862	1,524	930	41,776	10,356	81,984
Aug 2016	12,510	4,558	6,541	10,791	1,782	2,829	1,501	924	41,436	10,150	80,871
Sep 2016	10,781	3,962	5,669	8,902	1,477	2,267	1,261	745	35,064	8,424	67,577
Oct 2016	10,965	4,051	5,800	8,933	1,493	2,220	1,259	722	35,443	7,858	66,653
Nov 2016	11,230	4,227	5,730	8,804	1,481	2,204	1,239	826	35,741	8,036	67,150
Dec 2016	12,952	4,956	6,319	9,782	1,657	2,515	1,357	1,052	40,590	9,525	76,918

Table E-3

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

	FE_EAST	PLGRP
Jan 2014	5,435	4,234
Feb 2014	4,781	3,706
Mar 2014	4,895	3,708
Apr 2014	4,502	3,285
May 2014	4,659	3,334
Jun 2014	5,026	3,456
Jul 2014	5,803	3,875
Aug 2014	5,616	3,784
Sep 2014	4,754	3,348
Oct 2014	4,783	3,426
Nov 2014	4,710	3,491
Dec 2014	5,348	4,086

	FE_EAST	PLGRP
Jan 2015	5,553	4,292
Feb 2015	4,907	3,773
Mar 2015	5,041	3,790
Apr 2015	4,631	3,352
May 2015	4,782	3,393
Jun 2015	5,173	3,539
Jul 2015	5,940	3,946
Aug 2015	5,754	3,852
Sep 2015	4,879	3,410
Oct 2015	4,892	3,477
Nov 2015	4,847	3,572
Dec 2015	5,510	4,180

	FE_EAST	PLGRP
Jan 2016	5,668	4,355
Feb 2016	5,202	3,975
Mar 2016	5,188	3,870
Apr 2016	4,728	3,398
May 2016	4,896	3,455
Jun 2016	5,288	3,599
Jul 2016	5,997	3,960
Aug 2016	5,912	3,945
Sep 2016	4,971	3,454
Oct 2016	4,976	3,519
Nov 2016	4,946	3,633
Dec 2016	5,611	4,231

THIS PAGE INTENTIONALLY LEFT BLANK

Table E-1a

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM MID-ATLANTIC ZONE AND GEOGRAPHIC REGION
2014-2024**

	ESTIMATED 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Annual Growth Rate (10 yr)
AE	11,080	11,184	11,356	11,509	11,534	11,540	11,543	11,605	11,651	11,662	11,669	11,710	0.5%
%		0.9%	1.5%	1.3%	0.2%	0.1%	0.0%	0.5%	0.4%	0.1%	0.1%	0.4%	
BGE	34,364	35,182	36,026	36,727	36,984	37,121	37,204	37,547	37,680	37,762	37,819	37,993	0.8%
%		2.4%	2.4%	1.9%	0.7%	0.4%	0.2%	0.9%	0.4%	0.2%	0.1%	0.5%	
DPL	19,070	19,189	19,466	19,698	19,726	19,772	19,821	19,986	20,048	20,092	20,116	20,209	0.5%
%		0.6%	1.4%	1.2%	0.1%	0.2%	0.3%	0.8%	0.3%	0.2%	0.1%	0.5%	
JCPL	24,018	24,317	24,796	25,172	25,254	25,360	25,443	25,742	25,903	25,982	26,013	26,215	0.8%
%		1.2%	2.0%	1.5%	0.3%	0.4%	0.3%	1.2%	0.6%	0.3%	0.1%	0.8%	
METED	15,785	16,017	16,398	16,722	16,848	16,961	17,065	17,344	17,525	17,679	17,779	17,927	1.1%
%		1.5%	2.4%	2.0%	0.8%	0.7%	0.6%	1.6%	1.0%	0.9%	0.6%	0.8%	
PECO	42,091	42,753	43,746	44,470	44,831	45,278	45,643	46,416	46,856	47,182	47,482	47,966	1.2%
%		1.6%	2.3%	1.7%	0.8%	1.0%	0.8%	1.7%	0.9%	0.7%	0.6%	1.0%	
PENLC	18,151	18,520	19,122	19,653	19,946	20,185	20,418	20,768	21,009	21,296	21,542	21,808	1.6%
%		2.0%	3.2%	2.8%	1.5%	1.2%	1.2%	1.7%	1.2%	1.4%	1.2%	1.2%	
PEPCO	32,476	32,726	33,092	33,418	33,473	33,619	33,740	34,094	34,201	34,307	34,371	34,564	0.5%
%		0.8%	1.1%	1.0%	0.2%	0.4%	0.4%	1.0%	0.3%	0.3%	0.2%	0.6%	
PL	41,653	42,137	42,968	43,682	43,944	44,200	44,485	45,116	45,372	45,767	46,037	46,409	1.0%
%		1.2%	2.0%	1.7%	0.6%	0.6%	0.6%	1.4%	0.6%	0.9%	0.6%	0.8%	
PS	46,327	46,711	47,351	47,907	48,018	48,157	48,290	48,737	48,979	49,115	49,259	49,551	0.6%
%		0.8%	1.4%	1.2%	0.2%	0.3%	0.3%	0.9%	0.5%	0.3%	0.3%	0.6%	
RECO	1,532	1,542	1,557	1,568	1,571	1,574	1,573	1,587	1,592	1,594	1,597	1,601	0.4%
%		0.7%	1.0%	0.7%	0.1%	0.2%	-0.1%	0.9%	0.3%	0.1%	0.2%	0.2%	
UGI	1,062	1,073	1,094	1,112	1,117	1,122	1,126	1,139	1,146	1,153	1,157	1,164	0.8%
%		1.0%	2.0%	1.6%	0.5%	0.4%	0.4%	1.2%	0.6%	0.6%	0.4%	0.6%	
PJM MID-ATLANTIC	287,608	291,352	296,974	301,637	303,246	304,890	306,351	310,082	311,963	313,591	314,843	317,118	0.9%
%		1.3%	1.9%	1.6%	0.5%	0.5%	0.5%	1.2%	0.6%	0.5%	0.4%	0.7%	
FE/GPU	57,954	58,855	60,316	61,546	62,048	62,506	62,926	63,854	64,437	64,957	65,334	65,950	1.1%
%		1.6%	2.5%	2.0%	0.8%	0.7%	0.7%	1.5%	0.9%	0.8%	0.6%	0.9%	
PLGRP	42,715	43,210	44,063	44,794	45,061	45,322	45,611	46,255	46,519	46,920	47,195	47,573	1.0%
%		1.2%	2.0%	1.7%	0.6%	0.6%	0.6%	1.4%	0.6%	0.9%	0.6%	0.8%	

Note: All forecast values derived from trended RTO load factors.
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
2025-2029

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AE	11,696	11,719	11,722	11,758	11,742	0.3%
%	-0.1%	0.2%	0.0%	0.3%	-0.1%	
BGE	38,003	38,187	38,203	38,340	38,340	0.6%
%	0.0%	0.5%	0.0%	0.4%	0.0%	
DPL	20,195	20,283	20,294	20,345	20,298	0.4%
%	-0.1%	0.4%	0.1%	0.3%	-0.2%	
JCPL	26,277	26,478	26,547	26,645	26,621	0.6%
%	0.2%	0.8%	0.3%	0.4%	-0.1%	
METED	18,048	18,255	18,398	18,551	18,639	1.0%
%	0.7%	1.1%	0.8%	0.8%	0.5%	
PECO	48,281	48,840	49,216	49,589	49,858	1.0%
%	0.7%	1.2%	0.8%	0.8%	0.5%	
PENLC	21,957	22,240	22,465	22,769	22,914	1.4%
%	0.7%	1.3%	1.0%	1.4%	0.6%	
PEPCO	34,632	34,834	34,888	35,030	35,033	0.5%
%	0.2%	0.6%	0.2%	0.4%	0.0%	
PL	46,570	47,056	47,347	47,784	47,940	0.9%
%	0.3%	1.0%	0.6%	0.9%	0.3%	
PS	49,578	49,857	50,019	50,229	50,329	0.5%
%	0.1%	0.6%	0.3%	0.4%	0.2%	
RECO	1,602	1,610	1,613	1,617	1,620	0.3%
%	0.0%	0.5%	0.2%	0.3%	0.2%	
UGI	1,165	1,175	1,179	1,189	1,189	0.7%
%	0.1%	0.9%	0.3%	0.9%	0.0%	
PJM MID-ATLANTIC	318,003	320,534	321,890	323,845	324,523	0.7%
%	0.3%	0.8%	0.4%	0.6%	0.2%	
FE/GPU	66,281	66,973	67,410	67,966	68,174	1.0%
%	0.5%	1.0%	0.7%	0.8%	0.3%	
PLGRP	47,735	48,231	48,525	48,972	49,129	0.9%
%	0.3%	1.0%	0.6%	0.9%	0.3%	

Note: All forecast values derived from trended RTO load factors.

Table E-1a

**ANNUAL NET ENERGY (GWh) AND GROWTH RATES FOR
EACH PJM WESTERN AND PJM SOUTHERN ZONE, GEOGRAPHIC REGION AND RTO
2014-2024**

	ESTIMATED												Annual
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Growth Rate (10 yr)
AEP	135,933	135,058	136,674	138,402	138,752	139,008	139,028	140,165	140,426	141,163	141,561	141,903	0.5%
%		-0.6%	1.2%	1.3%	0.3%	0.2%	0.0%	0.8%	0.2%	0.5%	0.3%	0.2%	
APS	48,632	49,545	50,431	51,184	51,170	51,200	51,271	51,727	51,869	52,019	52,054	52,199	0.5%
%		1.9%	1.8%	1.5%	0.0%	0.1%	0.1%	0.9%	0.3%	0.3%	0.1%	0.3%	
ATSI	68,253	68,501	69,063	69,616	69,452	69,343	69,235	69,736	69,933	69,898	69,839	69,883	0.2%
%		0.4%	0.8%	0.8%	-0.2%	-0.2%	-0.2%	0.7%	0.3%	0.0%	-0.1%	0.1%	
COMED	104,058	106,023	108,614	110,839	111,990	113,044	113,780	115,563	116,650	117,616	118,666	119,919	1.2%
%		1.9%	2.4%	2.0%	1.0%	0.9%	0.7%	1.6%	0.9%	0.8%	0.9%	1.1%	
DAYTON	17,266	17,487	17,996	18,374	18,511	18,595	18,682	18,930	19,066	19,231	19,349	19,501	1.1%
%		1.3%	2.9%	2.1%	0.7%	0.5%	0.5%	1.3%	0.7%	0.9%	0.6%	0.8%	
DEOK	27,679	27,923	28,339	28,637	28,734	28,803	28,911	29,219	29,320	29,438	29,529	29,685	0.6%
%		0.9%	1.5%	1.1%	0.3%	0.2%	0.4%	1.1%	0.3%	0.4%	0.3%	0.5%	
DLCO	14,795	14,957	15,211	15,414	15,474	15,564	15,619	15,789	15,857	15,934	15,992	16,111	0.7%
%		1.1%	1.7%	1.3%	0.4%	0.6%	0.4%	1.1%	0.4%	0.5%	0.4%	0.7%	
EKPC	10,074	10,091	10,154	10,186	10,124	10,090	10,052	10,110	10,084	10,059	10,028	9,997	-0.1%
%		0.2%	0.6%	0.3%	-0.6%	-0.3%	-0.4%	0.6%	-0.3%	-0.3%	-0.3%	-0.3%	
PJM WESTERN	426,691	429,586	436,482	442,653	444,206	445,646	446,579	451,240	453,206	455,359	457,017	459,198	0.7%
%		0.7%	1.6%	1.4%	0.4%	0.3%	0.2%	1.0%	0.4%	0.5%	0.4%	0.5%	
DOM	96,569	98,103	100,543	103,832	105,295	106,635	107,812	109,940	111,345	112,621	113,882	114,937	1.6%
%		1.6%	2.5%	3.3%	1.4%	1.3%	1.1%	2.0%	1.3%	1.1%	1.1%	0.9%	
PJM RTO	810,868	819,040	833,999	848,123	852,747	857,171	860,742	871,262	876,513	881,570	885,742	891,253	0.8%
%		1.0%	1.8%	1.7%	0.5%	0.5%	0.4%	1.2%	0.6%	0.6%	0.5%	0.6%	

Note: All forecast values derived from trended RTO load factors.
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
2025-2029

	2025	2026	2027	2028	2029	Annual Growth Rate (15 yr)
AEP	141,859	142,595	143,064	144,102	144,359	0.4%
%	0.0%	0.5%	0.3%	0.7%	0.2%	
APS	52,176	52,416	52,525	52,711	52,646	0.4%
%	0.0%	0.5%	0.2%	0.4%	-0.1%	
ATSI	69,822	69,980	70,086	70,171	69,953	0.1%
%	-0.1%	0.2%	0.2%	0.1%	-0.3%	
COMED	120,707	121,896	122,838	123,987	124,877	1.1%
%	0.7%	1.0%	0.8%	0.9%	0.7%	
DAY	19,592	19,793	19,929	20,142	20,256	1.0%
%	0.5%	1.0%	0.7%	1.1%	0.6%	
DEOK	29,753	29,942	30,029	30,165	30,220	0.5%
%	0.2%	0.6%	0.3%	0.5%	0.2%	
DLCO	16,139	16,246	16,315	16,408	16,486	0.7%
%	0.2%	0.7%	0.4%	0.6%	0.5%	
EKPC	9,945	9,967	9,933	9,919	9,848	-0.2%
%	-0.5%	0.2%	-0.3%	-0.1%	-0.7%	
PJM WESTERN	459,994	462,835	464,719	467,605	468,646	0.6%
%	0.2%	0.6%	0.4%	0.6%	0.2%	
DOM	115,378	116,439	117,231	118,016	118,531	1.3%
%	0.4%	0.9%	0.7%	0.7%	0.4%	
PJM RTO	893,374	899,807	903,839	909,467	911,699	0.7%
%	0.2%	0.7%	0.4%	0.6%	0.2%	

Note: All forecast values derived from trended RTO load factors.

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 2014	975	3,198	1,770	2,157	1,501	3,856	1,766	2,994	4,168	4,018	126	108	26,638
Feb 2014	862	2,836	1,576	1,926	1,371	3,447	1,582	2,641	3,749	3,556	111	99	23,755
Mar 2014	853	2,809	1,511	1,894	1,368	3,381	1,576	2,497	3,547	3,622	116	93	23,267
Apr 2014	754	2,436	1,345	1,664	1,217	2,999	1,440	2,122	3,192	3,193	103	76	20,543
May 2014	749	2,442	1,310	1,626	1,095	2,899	1,297	2,303	2,789	3,248	113	66	19,937
Jun 2014	989	3,059	1,639	2,178	1,312	3,771	1,445	2,940	3,310	4,229	144	81	25,098
Jun 2014	1,267	3,557	2,007	2,655	1,484	4,319	1,557	3,410	3,699	4,993	170	94	29,212
Jul 2014	1,182	3,403	1,832	2,420	1,408	4,159	1,546	3,202	3,578	4,657	157	89	27,633
Sep 2014	916	2,881	1,546	2,058	1,221	3,516	1,431	2,701	3,178	3,989	137	82	23,656
Oct 2014	817	2,583	1,416	1,716	1,228	3,230	1,540	2,466	3,300	3,636	127	83	22,143
Nov 2014	842	2,773	1,476	1,843	1,322	3,360	1,592	2,521	3,570	3,569	113	91	23,071
Dec 2014	978	3,204	1,760	2,180	1,489	3,817	1,749	2,929	4,056	4,002	126	109	26,399
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2015	988	3,280	1,788	2,200	1,533	3,932	1,820	3,018	4,236	4,075	127	110	27,107
Feb 2015	877	2,926	1,600	1,972	1,411	3,536	1,634	2,671	3,834	3,616	112	102	24,291
Mar 2015	869	2,898	1,543	1,949	1,410	3,494	1,640	2,549	3,639	3,706	119	95	23,912
Apr 2015	765	2,494	1,369	1,709	1,252	3,090	1,502	2,138	3,266	3,253	105	78	21,022
May 2015	747	2,471	1,311	1,628	1,104	2,924	1,329	2,296	2,806	3,238	112	66	20,031
Jun 2015	1,007	3,134	1,665	2,227	1,342	3,860	1,486	2,978	3,372	4,294	145	82	25,594
Jun 2015	1,288	3,628	2,035	2,698	1,513	4,401	1,597	3,442	3,757	5,055	171	96	29,680
Jul 2015	1,198	3,471	1,847	2,459	1,435	4,242	1,587	3,224	3,629	4,707	158	90	28,047
Sep 2015	933	2,953	1,577	2,106	1,254	3,616	1,480	2,738	3,251	4,053	139	85	24,184
Oct 2015	828	2,635	1,431	1,732	1,248	3,280	1,583	2,489	3,354	3,652	127	84	22,444
Nov 2015	861	2,867	1,513	1,892	1,369	3,464	1,654	2,569	3,683	3,635	114	95	23,717
Dec 2015	995	3,270	1,786	2,225	1,526	3,908	1,808	2,979	4,141	4,068	128	111	26,945
	AE	BGE	DPL	JCPL	METED	PECO	PENLC	PEPCO	PL	PS	RECO	UGI	MID-ATLANTIC
Jan 2016	998	3,325	1,802	2,234	1,561	4,004	1,873	3,048	4,296	4,127	127	111	27,508
Feb 2016	924	3,098	1,676	2,080	1,497	3,748	1,745	2,811	4,060	3,802	117	107	25,665
Mar 2016	891	2,960	1,570	1,993	1,436	3,546	1,677	2,586	3,680	3,760	119	97	24,316
Apr 2016	770	2,509	1,370	1,709	1,267	3,104	1,530	2,122	3,295	3,255	104	79	21,115
May 2016	749	2,498	1,309	1,628	1,114	2,928	1,356	2,295	2,816	3,221	112	66	20,091
Jun 2016	1,019	3,192	1,686	2,268	1,366	3,916	1,514	3,012	3,411	4,360	148	83	25,976
Jun 2016	1,300	3,681	2,054	2,728	1,531	4,454	1,624	3,460	3,795	5,096	171	97	29,990
Jul 2016	1,211	3,540	1,874	2,503	1,461	4,312	1,623	3,261	3,683	4,787	161	92	28,506
Sep 2016	932	2,994	1,584	2,116	1,259	3,640	1,504	2,743	3,266	4,054	138	85	24,313
Oct 2016	836	2,677	1,437	1,734	1,268	3,331	1,633	2,492	3,410	3,650	127	86	22,681
Nov 2016	873	2,936	1,533	1,926	1,401	3,526	1,713	2,598	3,767	3,674	115	96	24,158
Dec 2016	1,006	3,317	1,801	2,253	1,561	3,961	1,862	2,991	4,203	4,120	129	113	27,318

Note: All forecast values derived from trended RTO load factors.

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		PJM RTO
									WESTERN	DOM	
Jan 2014	13,429	4,910	6,418	9,560	1,664	2,572	1,312	1,105	40,971	9,048	76,657
Feb 2014	11,645	4,333	5,724	8,384	1,434	2,193	1,178	921	35,812	7,912	67,479
Mar 2014	11,226	4,188	5,777	8,295	1,412	2,142	1,212	806	35,059	7,577	65,903
Apr 2014	10,145	3,767	5,435	8,258	1,306	2,062	1,125	660	32,758	6,633	59,934
May 2014	9,681	3,308	4,775	7,817	1,254	2,004	1,075	647	30,562	6,916	57,415
Jun 2014	11,293	3,954	5,772	9,199	1,457	2,488	1,309	809	36,281	8,637	70,016
Jun 2014	12,215	4,330	6,329	10,865	1,681	2,824	1,460	907	40,611	10,047	79,870
Jul 2014	11,902	4,281	6,166	9,914	1,610	2,697	1,413	889	38,873	9,520	76,025
Sep 2014	10,179	3,652	5,112	8,098	1,326	2,178	1,195	750	32,489	7,961	64,106
Oct 2014	9,842	3,768	5,354	7,933	1,334	2,112	1,182	738	32,264	7,387	61,793
Nov 2014	10,908	4,216	5,455	8,041	1,406	2,172	1,195	844	34,239	7,558	64,867
Dec 2014	12,593	4,836	6,185	9,657	1,602	2,480	1,301	1,014	39,668	8,908	74,975
Jan 2015	13,405	5,031	6,465	9,738	1,708	2,602	1,328	1,109	41,386	9,184	77,676
Feb 2015	11,610	4,465	5,770	8,552	1,471	2,214	1,197	921	36,200	8,042	68,532
Mar 2015	11,461	4,296	5,857	8,558	1,465	2,182	1,243	815	35,878	7,836	67,626
Apr 2015	10,319	3,843	5,530	8,596	1,358	2,111	1,159	662	33,578	6,807	61,407
May 2015	9,732	3,305	4,770	7,954	1,289	2,021	1,084	646	30,799	7,011	57,840
Jun 2015	11,485	4,012	5,817	9,436	1,502	2,527	1,333	819	36,931	8,868	71,393
Jun 2015	12,387	4,378	6,371	11,107	1,723	2,870	1,479	917	41,231	10,294	81,204
Jul 2015	12,066	4,320	6,176	10,116	1,649	2,738	1,431	902	39,397	9,740	77,184
Sep 2015	10,382	3,712	5,173	8,292	1,363	2,207	1,215	755	33,099	8,217	65,500
Oct 2015	9,898	3,811	5,375	8,128	1,366	2,137	1,204	735	32,654	7,550	62,648
Nov 2015	11,131	4,327	5,528	8,271	1,459	2,219	1,219	855	35,010	7,859	66,586
Dec 2015	12,799	4,932	6,232	9,867	1,642	2,511	1,319	1,018	40,320	9,137	76,402
Jan 2016	13,583	5,100	6,503	9,904	1,743	2,630	1,342	1,113	41,917	9,382	78,807
Feb 2016	12,179	4,704	6,018	9,014	1,553	2,311	1,255	956	37,990	8,548	72,203
Mar 2016	11,535	4,346	5,884	8,744	1,497	2,194	1,254	808	36,261	8,076	68,653
Apr 2016	10,364	3,866	5,537	8,749	1,378	2,101	1,160	654	33,810	6,931	61,856
May 2016	9,824	3,346	4,764	8,167	1,315	2,036	1,090	643	31,186	7,196	58,473
Jun 2016	11,683	4,058	5,858	9,586	1,529	2,549	1,352	822	37,436	9,158	72,571
Jun 2016	12,480	4,401	6,376	11,255	1,745	2,888	1,490	919	41,554	10,605	82,149
Jul 2016	12,252	4,385	6,268	10,299	1,680	2,774	1,455	910	40,024	10,047	78,577
Sep 2016	10,347	3,694	5,101	8,350	1,364	2,202	1,217	750	33,026	8,444	65,783
Oct 2016	9,956	3,858	5,410	8,257	1,391	2,160	1,217	737	32,987	7,844	63,511
Nov 2016	11,270	4,420	5,580	8,451	1,499	2,250	1,241	862	35,573	8,177	67,908
Dec 2016	12,929	5,006	6,316	10,063	1,680	2,544	1,340	1,013	40,890	9,422	77,630

Note: All forecast values derived from trended RTO load factors.

Table E-3a

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

	FE-EAST	PLGRP
Jan 2014	5,424	4,277
Feb 2014	4,878	3,849
Mar 2014	4,839	3,640
Apr 2014	4,322	3,268
May 2014	4,017	2,855
Jun 2014	4,935	3,391
Jun 2014	5,696	3,794
Jul 2014	5,374	3,667
Sep 2014	4,710	3,260
Oct 2014	4,483	3,383
Nov 2014	4,757	3,661
Dec 2014	5,418	4,166
	FE-EAST	PLGRP
Jan 2015	5,553	4,346
Feb 2015	5,017	3,936
Mar 2015	4,999	3,734
Apr 2015	4,464	3,344
May 2015	4,061	2,871
Jun 2015	5,056	3,454
Jun 2015	5,808	3,853
Jul 2015	5,481	3,719
Sep 2015	4,839	3,336
Oct 2015	4,562	3,439
Nov 2015	4,915	3,778
Dec 2015	5,559	4,253
	FE-EAST	PLGRP
Jan 2016	5,667	4,408
Feb 2016	5,321	4,167
Mar 2016	5,106	3,777
Apr 2016	4,507	3,374
May 2016	4,098	2,882
Jun 2016	5,149	3,494
Jun 2016	5,884	3,891
Jul 2016	5,587	3,774
Sep 2016	4,878	3,351
Oct 2016	4,634	3,496
Nov 2016	5,040	3,863
Dec 2016	5,676	4,316

Note: FE-EAST contains JCPL, METED, and PENLC zones; PLGRP contains PL and UGI zones.
All forecast values derived from trended RTO load factors.

Table F-1
PJM RTO HISTORICAL PEAKS
(MW)

SUMMER

YEAR	NORMALIZED BASE	NORMALIZED COOLING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
1998				133,100	Tuesday, July 21, 1998	17:00
1999	88,016			141,300	Friday, July 30, 1999	17:00
2000	90,958			131,766	Wednesday, August 9, 2000	17:00
2001	92,064			150,911	Thursday, August 9, 2001	16:00
2002	92,661			150,782	Thursday, August 1, 2002	17:00
2003	93,576			145,191	Thursday, August 21, 2003	17:00
2004	94,997			139,178	Tuesday, August 3, 2004	17:00
2005	95,670	56,590	152,260	155,174	Tuesday, July 26, 2005	16:00
2006	95,223	58,657	153,880	166,850	Wednesday, August 2, 2006	17:00
2007	96,612	59,308	155,920	161,943	Wednesday, August 8, 2007	16:00
2008	96,898	59,532	156,430	150,509	Monday, June 9, 2008	17:00
2009	94,430	58,360	152,790	145,001	Monday, August 10, 2009	16:00
2010	92,985	60,675	153,660	157,128	Wednesday, July 7, 2010	17:00
2011	93,261	60,259	153,520	165,473	Thursday, July 21, 2011	17:00
2012	92,958	61,277	154,235	158,116	Tuesday, July 17, 2012	18:00
2013	92,264	62,921	155,185	158,954	Thursday, July 18, 2013	17:00

WINTER

YEAR	NORMALIZED BASE	NORMALIZED HEATING	NORMALIZED TOTAL	UNRESTRICTED PEAK	PEAK DATE	TIME
97/98				102,084	Wednesday, January 14, 1998	19:00
98/99	86,625			115,867	Tuesday, January 5, 1999	19:00
99/00	89,294			118,385	Friday, January 28, 2000	8:00
00/01	91,279			117,960	Wednesday, December 20, 2000	19:00
01/02	92,270			112,082	Wednesday, January 2, 2002	19:00
02/03	92,491			129,787	Thursday, January 23, 2003	19:00
03/04	93,706			122,449	Friday, January 23, 2004	9:00
04/05	94,378			131,046	Monday, December 20, 2004	19:00
05/06	94,696	32,194	126,890	126,655	Wednesday, December 14, 2005	19:00
06/07	96,178	31,472	127,650	136,675	Monday, February 5, 2007	20:00
07/08	97,239	32,411	129,650	128,180	Wednesday, January 2, 2008	19:00
08/09	96,373	34,197	130,570	133,845	Friday, January 16, 2009	19:00
09/10	93,518	35,192	128,710	125,143	Monday, January 4, 2010	19:00
10/11	91,862	37,178	129,040	132,074	Tuesday, December 14, 2010	19:00
11/12	92,247	37,833	130,080	124,274	Tuesday, January 3, 2012	19:00
12/13	92,036	38,344	130,380	128,593	Tuesday, January 22, 2013	19:00

Notes:

Normalized values for 2005 - 2013 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.
 All historic peak values reflect the current membership of the PJM RTO.

Table F-2
PJM RTO HISTORICAL NET ENERGY
(GWH)

YEAR	ENERGY	GROWTH RATE
1998	710,096	0.0%
1999	739,723	4.2%
2000	756,238	2.2%
2001	754,541	-0.2%
2002	782,301	3.7%
2003	780,693	-0.2%
2004	796,257	2.0%
2005	822,841	3.3%
2006	802,444	-2.5%
2007	832,999	3.8%
2008	821,635	-1.4%
2009	780,617	-5.0%
2010	819,492	5.0%
2011	805,356	-1.7%
2012	791,220	-1.8%

Table G-1

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

	5-Year (2014-19)	10-Year (2014-24)	15-Year (2014-29)
AE	1.3%	1.0%	0.9%
BGE	1.5%	1.2%	1.1%
DPL	1.9%	1.6%	1.4%
JCPL	1.4%	1.1%	1.0%
METED	1.9%	1.6%	1.5%
PECO	1.9%	1.6%	1.4%
PENLC	1.8%	1.5%	1.3%
PEPCO	1.7%	1.4%	1.2%
PL	1.8%	1.5%	1.3%
PS	1.5%	1.1%	1.0%
RECO	1.2%	0.9%	0.8%
UGI	1.3%	1.1%	1.0%
AEP	1.6%	1.3%	1.2%
APS	1.7%	1.5%	1.4%
ATSI	1.6%	1.3%	1.2%
COMED	1.8%	1.5%	1.3%
DAYTON	1.4%	1.1%	1.0%
DEOK	1.7%	1.4%	1.3%
DLCO	1.7%	1.4%	1.2%
EKPC	1.6%	1.4%	1.3%
DOM	1.7%	1.4%	1.3%
PJM RTO	1.7%	1.4%	1.3%

Source: Moody's Analytics, November, 2013