

Final Report

## 2016 Load Forecast

Florida Municipal Power Agency

April 2016





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# 2016 Load Forecast

## Florida Municipal Power Agency

### Table of Contents

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*Table of Contents*  
*List of Tables*  
*List of Figures*

#### **Executive Summary**

<b>Section 1 OVERVIEW OF METHODOLOGY .....</b>	<b>1-1</b>
Model Specification.....	1-2
ARP Conservation Program Impacts.....	1-3
Net Metering Program Impacts .....	1-4
Projection of NEL and Peak Demand .....	1-6
<b>Section 2 DATA SOURCES .....</b>	<b>2-1</b>
Historical Participant Retail Sales, Load Management, and ARP Conservation Program Data .....	2-1
Weather Data .....	2-1
Economic Data .....	2-3
Real Estate Data .....	2-6
Real Electricity Price Data .....	2-7
<b>Section 3 PRINCIPAL CONSIDERATIONS AND ASSUMPTIONS .....</b>	<b>3-1</b>
<b>Section 4 OVERVIEW OF RESULTS.....</b>	<b>4-1</b>
Comparison to Actual Results and the 2015 Load Forecast.....	4-8
Uncertainty of the Forecast .....	4-10
Economic and Demographic Uncertainty .....	4-10
Weather Uncertainty .....	4-13
<b>Section 5 CONCLUSIONS AND RECOMMENDATIONS .....</b>	<b>5-1</b>

#### **List of Appendices**

Appendix A .....	Total All Requirements Project
Appendix B .....	Florida Power & Light Cities
Appendix C .....	Duke Energy Florida Cities
Appendix D .....	ARP Participant Forecasts
Appendix E .....	Economic Scenarios – Aggregate Results
Appendix F .....	Weather Scenarios – Aggregate Results
Appendix G .....	Explanatory Variables by ARP Participant
Appendix H .....	Scenario Results by Member [ <i>Separate Document</i> ]

## List of Tables

Table 1-1 Rate Classification Analyzed by Participant .....	1-2
Table 1-2 Historical Net Metering Capacity Across the ARP .....	1-5
Table 4-1 Forecasted Loads to be Supplied from the ARP .....	4-8
Table 4-2 Economic Scenarios – Assumed Variance from Base Case (+/-) .....	4-11

## List of Figures

Figure 2-1: Historical v. Normal and Typical Range of Winter Heating Degree Days .....	2-2
Figure 2-2: Historical v. Normal and Typical Range of Summer Cooling Degree Days .....	2-3
Figure 2-3: Household Counts Across the ARP Counties .....	2-4
Figure 2-4: Real Average Personal Income per Household Across the ARP Counties .....	2-5
Figure 2-5: Historical and Assumed Future U. S. Personal Savings Rate .....	2-6
Figure 2-6: Historical and Assumed Future Florida Housing Vacancy Rates .....	2-7
Figure 4-1: Fiscal Year Net Energy for Load of Current Participants .....	4-3
Figure 4-2: Seasonal Peak Demand of the Current Participants .....	4-4
Figure 4-3: Fiscal Year Net Energy for Load Supplied from the ARP .....	4-5
Figure 4-4: Annual Peak Demand Supplied from the ARP .....	4-6
Figure 4-5: Seasonal Peak Demand Supplied from the ARP .....	4-7
Figure 4-6: Annual Net Energy for Load Supplied by the ARP .....	4-9
Figure 4-7: Annual Peak Demand Supplied by the ARP .....	4-9
Figure 4-8: Economic-related Uncertainty in Summer CP Demand – Current Participants .....	4-12
Figure 4-9: Weather-related Uncertainty in Summer CP Demand – Current Participants .....	4-14

# EXECUTIVE SUMMARY

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Leidos Engineering, LLC (Leidos) was retained by Florida Municipal Power Agency (FMPA) to prepare a forecast of peak load and net energy for load for its All-Requirements Power Supply Project (ARP). FMPA is a governmental wholesale power company owned by municipal electric utilities and created to provide economies of scale in power generation and related services. The ARP supplies capacity and energy to 13 municipal utilities in Florida, located throughout the peninsula from the Panhandle to the lower Keys.

A load forecast is a critical input to many utility processes including, but not limited to, generation resource planning, fuel and purchased power budgeting, transmission planning, financial planning and budgeting, and staffing. In addition, the FMPA load and energy forecast is submitted to the Florida Reliability Coordinating Council as part of the Load and Resource Database as well as to the Florida Public Service Commission as part of the Ten-Year Site Plan. Consequently, a rigorous and detailed process that relies on recognized standards of practice, as well as a thorough review of results by various parties, is essential to FMPA operations and long-term planning.

The 2016 Load Forecast has been prepared for a 20-year period, beginning 2016 through 2035. The forecast relies on an econometric approach to forecast monthly retail customer counts and sales by major customer classification of the ARP Participants as a function of certain explanatory factors based on an analysis of the influence of these factors generally over 1992 through 2015 (Study Period). Forecasts of system net energy for load (NEL) and coincident and non-coincident peak demand are derived from the total sales forecast based on recent averages of distribution loss factors and load and coincidence factors. The total ARP forecast represents a simple summation across the Participants, taking into account whether or not they are supplied by the ARP in any particular period, where appropriate.

The forecast relies on municipal utility data provided to FMPA by the ARP Participants (Participants), load data maintained by FMPA, and historical data regarding Participant load management activity, the ARP Net Metering Program, and the ARP Conservation Program submitted by ARP Participants to FMPA. Historical and projected economic and demographic data were provided by IHS Global Insight and Woods & Poole, both nationally recognized providers of such data, the projected period reflecting a consensus drawn from both providers' data. Leidos has also relied on information, provided by FMPA staff and the Participants, regarding local economic developments and other issues specific to each Participant. Weather data was provided by the National Oceanic and Atmospheric Administration (NOAA) for a variety of weather stations in close proximity to the ARP Participants. Finally, projections regarding electricity and competing fuel prices have been obtained from the Energy Information Administration in their latest Annual Energy Outlook, published in April 2015.<sup>1</sup>

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<sup>1</sup> The Annual Energy Outlook 2016 was not available for the 2016 Load Forecast and is not anticipated to be released until June 2016.

Results of the load forecast included herein for the total ARP are presented in the following two ways:

- **Current Participants:** Reflecting the total load requirements of ARP Participants currently served by the ARP (Current Participants) over the entire historical period and forecast horizon irrespective of the fact that certain Participants were not yet supplied by the ARP in certain historical periods and certain Participants are receiving or are anticipated in the future to receive service under a CROD. This allows for results to reflect a consistent set of ARP Participants and base of customer load over the entire historical and forecasted period, which aids in the comparison of growth rates over the period shown.<sup>2</sup>
- **Supplied Load:** Reflecting in each period the total load of ARP Participants actually supplied by the ARP (the “Supplied” loads), which has varied through time as a result of ARP Participants initiating and discontinuing service from the ARP and is directly used in downstream FMPP planning analyses.

Additionally, it should be noted that the peak demand projections presented herein are gross of potential load management and load-side generation resources of certain Participants. For purposes of developing peak demand projections, historical peak demands were adjusted upward for estimates of the impact of such resources. However, historical peak demand determinants are reported herein based on actual metered data. The projected period reflects peak demands gross of potential load management and load-side generation resources, as these are not firm resources under the control of FMPP (or the FMPP Balancing Authority) that can be relied upon to serve future load.

The results of the Forecast reflect that the net energy for load (NEL) of the Current Participants<sup>3</sup>, depicted in Figure ES-1 below, is expected to grow at compound annual growth rates of 1.3% per year over fiscal years (FY)<sup>4</sup> 2016-2025 and 1.0% over 2026-2035. The Base Case projected fiscal year 2016 NEL is 5,784 GWh. As mentioned above, these results reflect the Current ARP Participants and do not account for the initiation or discontinuation of full requirements service by the ARP of certain Participants during the historical period or over the forecast horizon.

The growth rates discussed above can be compared to historical actual growth over 1998-2015 of 0.8% per year and a compound annual *decline* over the most recent 10 years (i.e., 2006-2015) of 0.5% per year. However, as discussed further below, the load of the Participants over 2008-2015 has been depressed as a result of a deep and prolonged recession in the U.S. and Florida economies from which both have been

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<sup>2</sup> The Ft. Meade load served by the ARP has decreased somewhat as a result of their service under a CROD effective January 1, 2015. Similarly, the load of Green Cove Springs served by the ARP is expected to decrease somewhat as a result of service under a CROD effective January 1, 2020. However, this is a small impact on the ARP load, and forecast data shown herein for the Current Participants includes the *total* load of Ft. Meade and Green Cove Springs rather than the load that is expected to be served by the ARP.

<sup>3</sup> This excludes the load of Lake Worth and Vero Beach, which are no longer supplied by the ARP, effective January 1, 2014 and January 1, 2010, respectively (as discussed in more detail elsewhere below).

<sup>4</sup> FMPP’s fiscal year represents the twelve month period from October of the preceding year through September of the current year.



recovering but have yet to achieve growth rates that are commensurate with what is commonly viewed as their longer-term potential. In addition, it is important to recognize that the growth rate over the first 10 years of the forecast horizon is impacted by somewhat higher growth rates of most economic variables in the early years of the forecast horizon. However, the forecast results reflect that the FY NEL of the Current Participants will not exceed the 2006 level until approximately 2020.

As a result of this unusual recent period of economic variability, it may be additionally useful to compare the forecasted growth to growth rates that precede this period. Average historical growth in NEL of the Current Participants over 1995, the earliest year of available and reliable load data, through 2003 (a period that excludes both the recent housing boom and bust) was approximately 3.3% per year.

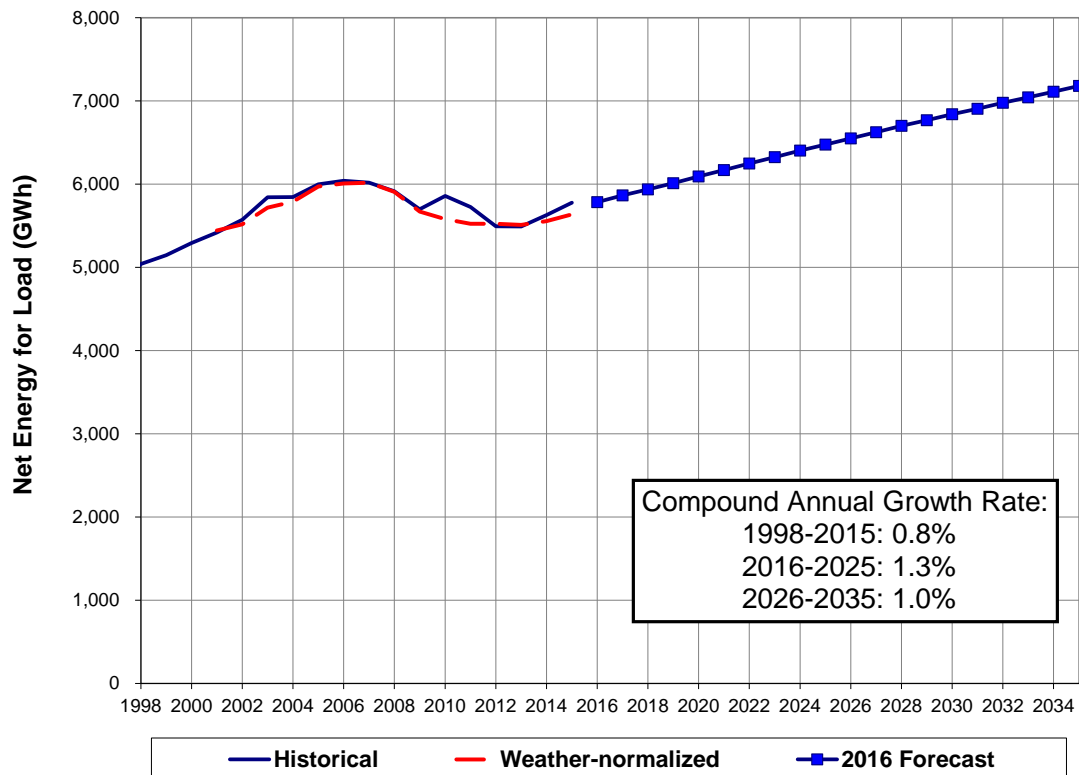


Figure ES-1: Total Net Energy for Load of Current Participants

The Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound annual growth rates of 1.3% per year over 2016-2025 and 1.0% over 2026-2035. The Base Case projected 2016 coincident peak of the Current Participants is 1,206.1 MW. The ARP annual coincident peak typically occurs in the summer, and more often in August than other summer months. As mentioned above, these results reflect the Current ARP Participants and do not account for the initiation of service by the ARP or service under a CROD of certain Participants. These growth rates compare to compound annual growth over 1998-2015 of 0.7% per year and a compound annual *decline* over 2006-2015 of 0.5% per year.

The historical growth rates for both NEL and CP demand are significantly impacted by the recent deep and prolonged recession from which the Florida economy has been slowly recovering. Impacts of the recent recession over the 2008 through 2012 time period include the following:

- Significant decline in the market value of homes
- Severe downturn in housing construction, historically a major employer in Florida
- Sharp increase in the number of home foreclosures and residential vacancies
- A retrenchment in consumer spending
- Significant reduction in the influx of tourists and seasonal residents (i.e., “snowbirds”)
- A historic rise in the state unemployment rate above 11% during 2010, which was unprecedented since the early 1970s<sup>5</sup>

These factors have combined to significantly reduce the demand for electricity in the service areas of the ARP Participants. While data on many of these factors have shown a marked improvement in recent periods, the economy is anticipated to improve in a more significant and sustained way over the early years of the forecast horizon, which should result in a similar recovery in the load served by the Participants. The forecasted growth rates in NEL and coincident peak demand for the ARP over 2016-2025 shown above reflect the impact of this projected recovery.

The loads actually served by the ARP historically (Supplied Load) has varied from those depicted in Figure ES-1 as a result of the timing of ARP Participants initiating or discontinuing service from the ARP. For example, Kissimmee Utility Authority and Lake Worth Utilities began taking service from the ARP in October 2002. Conversely, as a result of the establishment of Contract Rate of Demand (CROD) for Vero Beach, effective January 1, 2010, and Lake Worth, effective January 1, 2014, none of the load of these Participants has been served by the ARP beginning the effective date of CROD. Accordingly, the forecast of load supplied by the ARP excludes the load of those two utilities after the respective effective dates of CROD. Furthermore, the forecast of load supplied by the ARP reflects establishment of CROD for Ft. Meade beginning January 2015, with the CROD established at 10.36 MW. Similarly, the forecast reflects establishment of CROD for Green Cove Springs beginning January 2020, with an estimated CROD value in the Base Case of 27.61 MW. See Section 4 herein for a more detailed discussion of the estimate CROD for Green Cove Springs.

Figures ES-2 and ES-3 depict the historical and projected fiscal year NEL and annual peak demand expected to be supplied from the ARP, reflecting the additions through time of new ARP Participants and the establishment of CROD for Vero Beach, Lake Worth, Ft. Meade, and Green Cove Springs. As shown below, the NEL supplied by the ARP was reduced by approximately 11% over fiscal years 2009 to 2011 and by an additional 7% over fiscal years 2013 to 2015, as a result of establishment of CROD for Vero Beach and Lake Worth, respectively (as the data shown is on a fiscal year basis, and the effective dates of CROD in both cases was January, the impact of CROD is

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<sup>5</sup> Based on seasonally adjusted data reported by the Bureau of Labor Statistics.

spread over two years each). The historical growth rates are impacted by those changes in the portion of load of ARP Participants that the ARP actually served. The impacts of the initiation of service under a CROD for Ft. Meade and Green Cove Springs is not specifically noted in the Figures below, as it is not sufficiently visible in the charts.

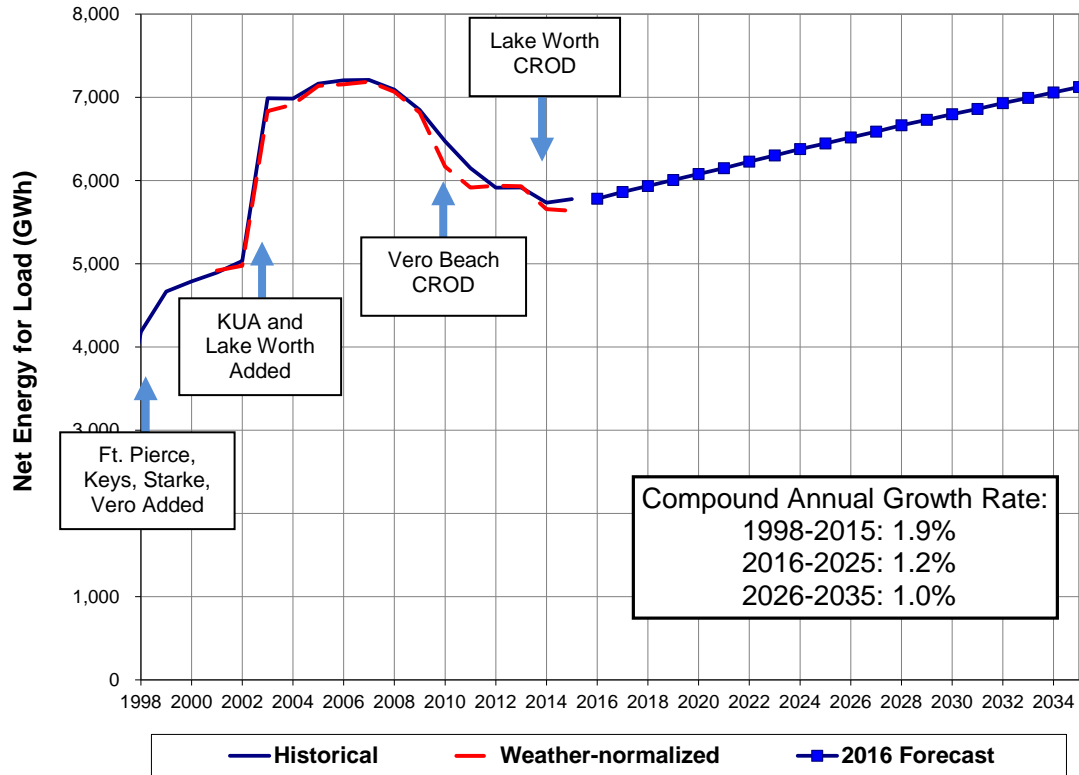


Figure ES-2: Fiscal Year Net Energy for Load Supplied from the ARP

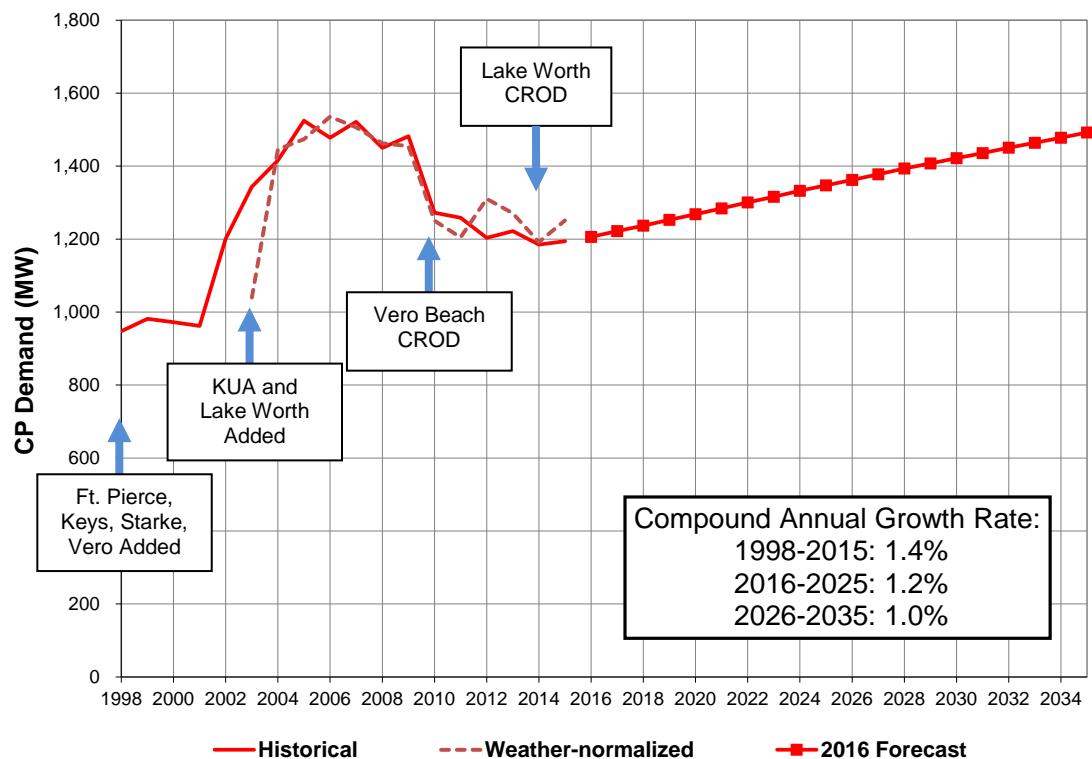


Figure ES-3: Annual Peak Demand Supplied from the ARP

Figure ES-4 compares the currently forecasted peak demand supplied by the ARP and the forecasted peak demand from the 2015 Forecast. This comparison shows that the current Forecast reflects load levels that are 0.8% higher to 3.6% lower over the forecast horizon. The 2016 forecast is very similar to the 2015 forecast over the longer-term study period, with some differences resulting from a combination of factors, including updated economic projections, local factors, and the reflection of a CROD for Green Cove Springs.

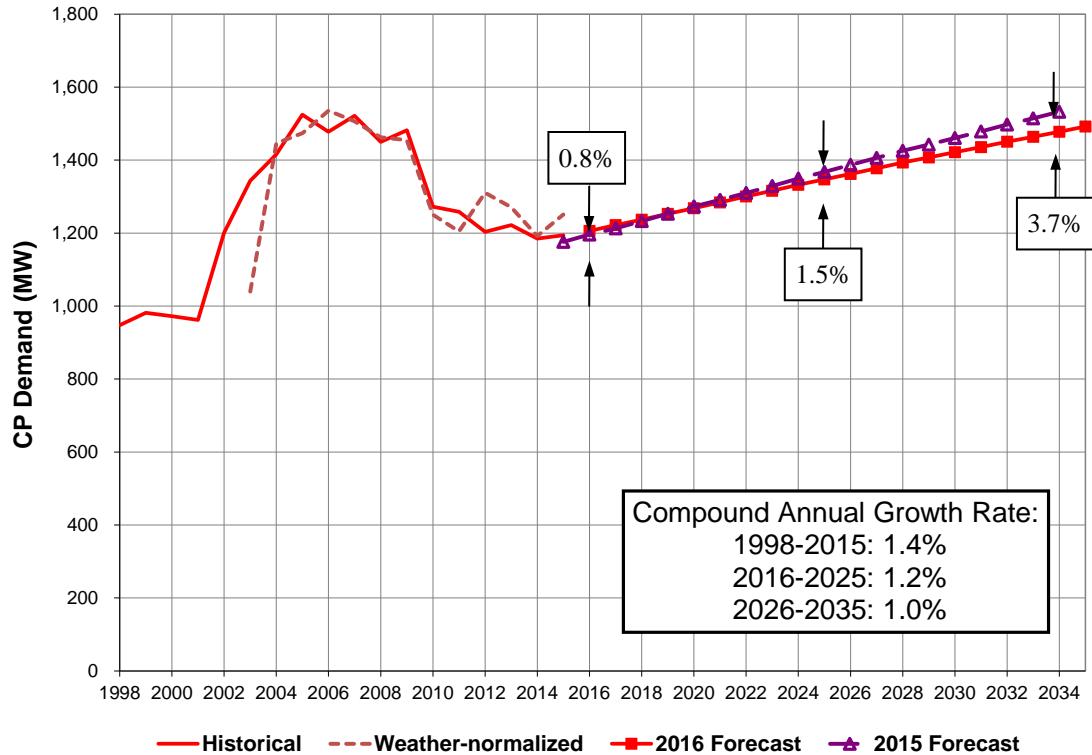


Figure ES-4: Annual ARP Demand Supplied by the ARP

In addition to the Base Case Forecast, Leidos has also prepared high and low forecasts to capture the uncertainty in the primary driving variables. These scenarios separately capture the uncertainty of the trend of economic activity (High and Low Economic Cases) and the uncertainty of weather (Severe and Mild Weather Cases). The high and low forecasts are intended to encompass 90% of the uncertainty in the driving variables. The Low and High Economic Cases result in growth rates for the net energy for load and summer coincident peak of the Current Participants that range from 0.5% to 2.0% over 2016 to 2025 and from 0.6% to 1.4% over 2026 to 2035 (as compared to the projected growth of the Base Case of 1.3% over 2016 to 2025 and 1.0% over 2026-2035).

The scenarios related to weather uncertainty are intended to represent the range of potential weather experienced in the summer and winter seasons, encompassing June through September and December through February, respectively, and are essentially aimed at capturing the uncertainty of seasonal NEL. Net energy for load for the summer season in any particular year in the Severe Case was higher than the Base Case by approximately 4.3% and lower in the Mild Case by 4.0%. Winter NEL was higher in the Severe Case by 7.8% and lower in the Mild Case by 6.6% than the Base Case results.

Figure ES-5 below depicts the forecast of summer CP demand resulting from these scenarios as compared to historical and weather-normalized data and the Base Case forecast.

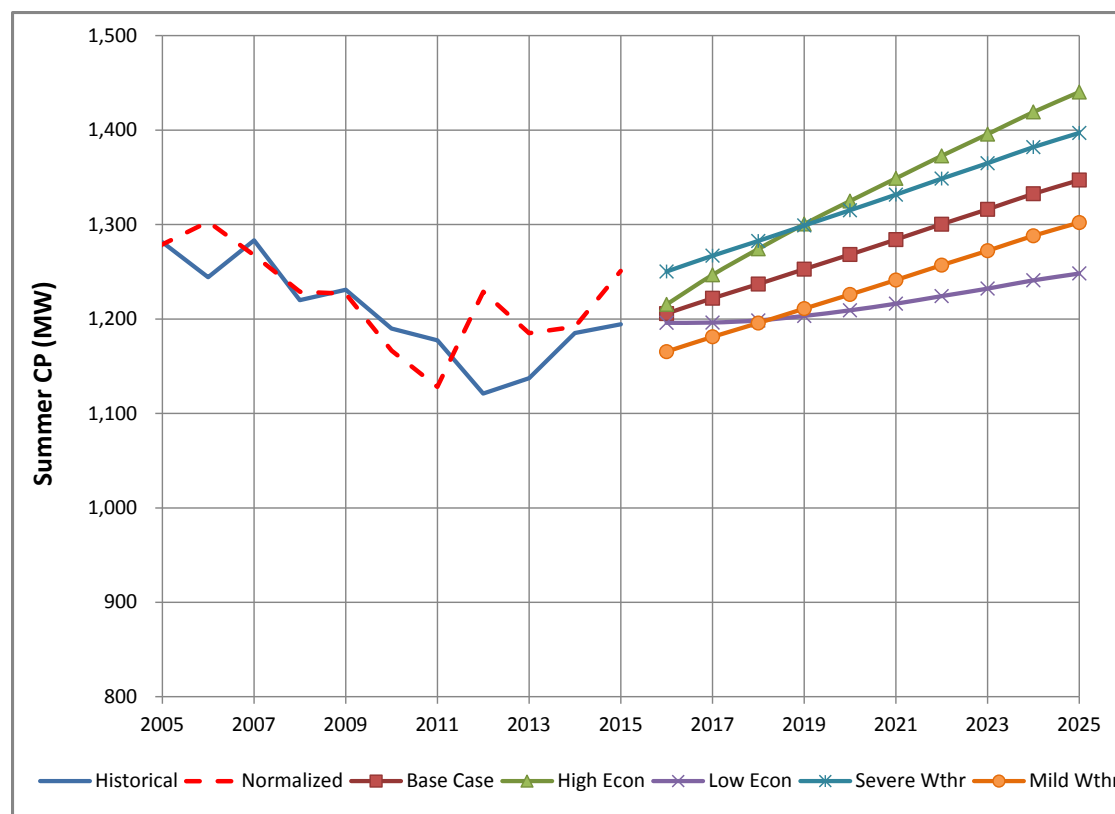


Figure ES-5: Forecast Scenarios of Coincident Peak Demand – Current Participants

The economic scenarios are derived from statistics published from Woods & Poole regarding historical errors in their state-level forecasts across the United States over 1984-2013. Leidos will monitor Woods and Poole publications on this topic and update these statistics for use in future iterations of the Load Forecast.

The weather scenarios simultaneously reflect more and less severe weather conditions in both seasons, which is less likely to happen than severe conditions in one season or the other. Accordingly, it should be recognized that annual NEL may be somewhat less volatile than the annual NEL variation shown herein. However, NEL in any particular month may be *more* volatile than shown herein, particularly in the off-peak months, which can exhibit weather conditions more like peak months. In addition, because of the methodology that derives peak demand from NEL via constant load factor assumptions, annual summer and winter peak demand may be somewhat more volatile with respect to weather than shown herein.

The following report and appendices detail the methodology, process, and results of the 2016 Load Forecast. The first section of the report provides an overview of the underlying methodology, including a general description of the econometric models and selected explanatory variables. This overview is followed by a description of the data sources that have been relied on for the various types of data needed for the Forecast. Next, a list of principal considerations and assumptions, which have been relied upon, are included to provide context for the results. The Base Case results are then summarized and demand and energy requirements of the ARP Participants are shown

for selected years. Finally, some concluding recommendations are offered to place the 2016 Load Forecast results in context given the load forecasting process and underlying assumed economic projections. Several appendices, containing the detailed results by ARP Participant and ARP grouping, accompany this report.





# Section 1

## OVERVIEW OF METHODOLOGY

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The forecast of peak demand and net energy for load to be supplied from the ARP relies on an econometric forecast of each Participant's retail sales, combined with various assumptions regarding loss, load, and coincidence factors, generally based on the recent historical values for such factors, and summed across the Participants. Econometric forecasting makes use of regression to establish historical relationships between energy consumption and various explanatory variables based on fundamental economic theory and experience.

In this approach, the significance of historical relationships is evaluated using commonly accepted statistical measures (e.g., standard error, adjusted R-squared, Schwarz Information Criterion, Ljung-Box test, etc.). Models that, in the view of the analyst, best explain the historical variation of energy consumption are selected. These historical relationships are generally assumed to continue into the future, barring any specific information or assumptions to the contrary. The selected models are then populated with projections of explanatory variables, resulting in projections of energy requirements.

Econometric forecasting can be a more reliable technique for long-term forecasting than trend-based approaches and other techniques, because the approach results in an explanation of variations in load rather than simply an extrapolation of history. As a result of this approach, utilities are more likely to anticipate departures from historical trends in energy consumption, given accurate projections of the driving variables. In addition, understanding the underlying relationships that affect energy consumption allows utilities to perform scenario and risk analyses, thereby improving decisions. The high and low economic and weather projections we have prepared are examples of this capability.

Forecasts of monthly sales were prepared by rate classification for each Participant. In some cases, rate classifications were combined to eliminate the effects of class migration or redefinition. In this way, greater stability is provided in the historical period upon which statistical relationships are based. Table 1-1 below shows the lowest level of granularity at which the forecast was developed for each Participant. In the table below, the cases where no "X" appears in the categories of General Service Demand and Large Demand (e.g., Bushnell, Fort Pierce, Leesburg) implies that while there may actually be customers that are classified by the Participant as belonging in these categories, their sales are combined under General Service Non-demand for modeling and reporting purposes, primarily due to the similarity in the characteristics of these classes, significant migration that has occurred between classes historically, and/or greater tractability of the data.

**Table 1-1**  
**Rate Classification Analyzed by Participant**

Participant	Residential	General Service Non-demand	General Service Demand	Large Demand	City/Other	Lights <sup>[1]</sup>
Bushnell	X	X				
Clewiston	X	X	X	X <sup>[2]</sup>		
Fort Meade	X	X				
Fort Pierce	X	X			X	X
Green Cove Springs	X	X	X	X	X	
Havana	X	X				
Jacksonville Beach	X	X	X		X	
Key West	X	X			X <sup>[3]</sup>	X
Kissimmee	X	X	X		X	X
Leesburg	X	X			X	
Newberry	X	X			X	
Ocala	X	X		X	X	X
Starke	X	X				

[1] Lighting classes may be projected based on assumption as opposed to econometric analysis.

[2] Represents a single customer, US Sugar. Separate analyses and assumptions were used to project US Sugar loads.

[3] Represents a single customer, the Key West Navy Base. Separate analyses and assumptions were used to project Key West Navy Base loads.

## Model Specification

The following discussion summarizes the development of econometric models used to forecast load, energy sales and customer accounts on a monthly basis. This overview will present a common basis upon which each classification of models was prepared. Additional details are provided in the accompanying appendices.

For the residential class, the analysis of electric sales was separated into residential usage per customer and the number of customers, the product of which is total residential sales. This process is common for homogenous customer groups. For other rate classifications, the total sales series is the primary forecasted variable, and the customer forecast is generated for reporting purposes and to check the sensibility of the sales forecast.

Residential class models typically reflect that energy sales are dependent on, or driven by: (i) the number of residential customers; (ii) real personal income per household; (iii) real electricity prices; and (iv) weather variables. The number of residential customers was projected on the basis of the estimated historical relationship between the number of residential customers of the Participants and the number of households in the Participant's county. For a few Participants, the residential sales forecast equation includes a variable to capture the retrenchment in consumer spending, represented by variations in the U.S. personal savings rate, either as a stand-alone variable or as an

adjustment to income. For a few Participants, the forecast of residential customers also includes a variable that captures the impact of speculative home buying on customer counts using data on mortgage originations in the state. Finally, the residential sales forecast for some Participants includes a variable that addresses the impact of variations in the housing vacancy rate. These variables and their data sources are discussed further in Section 2.

For the general service class models, the econometric models reflect that energy sales are best explained by: (i) total real personal income, employment, or retail sales as a measure of economic activity and population in and around the Participant's service territory, (ii) the real price of electricity, and (iii) weather variables. The selection of a variable to represent economic activity and population was made based on statistical measures and/or the sensibility of the resulting forecast. However, the forecasts for certain large customers of two Participants (Clewiston and Key West) were based on an assumption developed in consultation with FMPA staff and these Participants. In most cases, the impact of consumer spending retrenchment has been captured as a stand-alone variable or as an adjustment to personal income, similar to the residential sales forecast described above.

Weather variables include heating and cooling degree-days for the current month and for the prior month. Lagged degree-day variables are included to account for the typical billing cycle offset from calendar data. In other words, sales that are billed in any particular month are typically made up of electricity that was used during some portion of the current month and of the prior month.

In certain instances, Participant-specific modifications of the general theoretical model and additional variables were used to account for behavior that occurred during the study period or is expected to occur in the future but is unexplained by available data. Some of these additional variables address specific, known events, such as hurricane incidence or a recovery from the same, and are generally guided by information provided by the Participants. Others account for observations of the dependent variable that are believed to be anomalous. While these adjustments artificially increase the "fit" of regression equations and are typically discouraged, large deviations from expected behavior tend to have a significant impact on resulting parameters and sometimes undeservedly so. In consultation with Participants, we have treated certain anomalies as errors or otherwise removed certain observations from the regression process.

## ARP Conservation Program Impacts

Beginning in 2008, the FMPA Executive Committee approved the creation of the ARP Conservation Program that is funded via the ARP Energy Rate. As part of this program, each Participant receives a load ratio share (based on NEL) of the total funding to implement their choice of conservation and energy efficiency programs. As part of the ARP Conservation Program, ARP Participants have the flexibility to implement specific programs based on the unique needs of their customers, which are then reimbursed by FMPA through this fund. In addition, some ARP Participants have implemented utility- or grant-funded conservation efforts as well. Conservation initiatives include energy saving kits, rebates on major home appliances and programmable thermostats, and insulation

upgrades, among other programs. FMPA collects data on a quarterly basis regarding the measures implemented by each Participant in each initiative category, along with an accounting of the number of customers or quantity of items disbursed and estimate of the associated load impact.

As part of and in alignment with FMPA's current NERC MOD standards (Standards MOD-016 and MOD-021) procedures and NERC compliance strategy, FMPA has developed a threshold for the level above which the estimated impact of its Conservation Program will be explicitly taken into account in its load forecast. This threshold has been defined as 0.5% of the ARP Peak Demand or 0.5% of ARP NEL in any year over a 20-year forecast horizon. For the purpose of testing whether the ARP Conservation Program is anticipated to have an impact that crosses FMPA's defined threshold, Leidos worked with FMPA to develop a forecasting model to project the participation in and impact of individual programs. This model projects adoption of specific programs based on a weighted average trend across all of the available program years of data, and combines such projections with FMPA's assumptions regarding the incremental impacts of each initiative on demand and energy reduction to forecast the total energy and demand impact.

Based on the results of the forecasting model, the program impacts do not meet the 0.5% threshold. Consequently, FMPA is currently not explicitly reflecting the effects of its energy efficiency programs in its forecast of demand and net energy for load. However, as the impacts of recent energy efficiency program participation are captured in actual consumption data for recent years, some impact of the programs is *implicitly* incorporated in the current load forecast.

This model is updated annually in advance of each load forecasting effort to evaluate whether the threshold has been met, using the projected ARP load determinants from the preceding load forecast. When and if the estimated future impact of the energy efficiency programs exceeds the 0.5% threshold, FMPA will evaluate the best methods for accounting for these programs in the forecast.

## Net Metering Program Impacts

In June 2008, the ARP Participants adopted a Net Metering Policy to permit interconnection of customer-owned renewable generation to the Participants' distribution systems. This policy facilitates the purchase of excess customer-owned renewable generation and outlines the metering, billing and crediting procedures to be followed by ARP Participants. Thus, through the Net Metering Program, the ARP has been able to switch the fuel used to provide the energy requirements of certain residential and commercial customer loads from traditional ARP fuel sources to solar photovoltaic ("PV") renewable generation.

Table 1-2 summarizes the renewable generation installed on the Participants' distribution systems over 2009-2015. As of December 2015, the ARP had an estimated 1,969 kW-AC of solar PV renewable generation connected to the grid through the Net Metering Program.

Table 1-2  
Historical Net Metering Capacity Across the ARP

	Annual Installs	Cumulative Installs	Cumulative Capacity (kW-AC) <sup>6</sup>	Estimated Generation (MWh-AC)
2009	36	36	207	354
2010	42	78	422	721
2011	23	101	567	969
2012	26	127	767	1,315
2013	66	193	1,344	2,297
2014	32	225	1,603	2,739
2015	48	273	1,969	3,364

In order to assist FMPA with determining the estimated impact on the ARP load forecast of distributed solar capacity, Leidos developed a historical tracking model for net metering capacity on a by-Participant basis. Historical installations for each Participant were derived from data provided by FMPA. These installations were combined with an estimated hourly dispatch profile for a representative solar installation using the PV-Watts<sup>TM</sup> model.<sup>7</sup> The hourly dispatch profile was used to estimate the “dependable capacity” at the time of the FMPA peak demand (i.e., coincident peak impact) by analyzing the hourly output as a percentage of capacity in each hour. Annual energy impacts were derived by applying the capacity factor produced by the PV-Watts model run to the installed capacity. Finally, a combination of Bass Diffusion and trend modeling was applied to the historical data to develop a reasonable estimate of the future rate of PV penetration on the ARP Participant systems. The resulting projected installed capacity was then combined with the performance assumptions described above to ascertain whether the projected effects of the net metering program warranted direct treatment in the load forecast, relative to the NERC MOD standard FMPA has adopted.<sup>8</sup>

As with the ARP Conservation Program, FMPA is currently not explicitly accounting for the effects of the Net Metering Program in its forecast, as the projected program impacts are below FMPA’s designated threshold for level of significance (0.5% of either the ARP Peak Demand or ARP NEL in any year over the 20-year forecast horizon). However, to the extent that the net metering program has resulted in reduced customer consumption of utility generated electricity in the recent past, such impacts have been captured in actual consumption data, and the effects of the program are *implicitly* included in the current load forecast through impact on the forecast equations of the embedded reductions in historical sales resulting from the program.

<sup>6</sup> Nameplate capacity. Not adjusted for coincidence with the FMPA peak.

<sup>7</sup> PV Watts is an industry standard tool to estimate PV system generation. The dispatch profile was based on a representative solar installation in the Daytona Beach area, to approximate locations for Ocala and KUA and representing a mid-point for the Florida peninsula.

<sup>8</sup> Solar PV panel degradation is typically estimated at 0.75% per year, and inverter replacement is typically required after 15 years of use. Given the relatively small overall PV footprint within the FMPA system, such considerations did not impact the results above. As the program matures, more detailed performance modeling and renewal/replacement considerations may be warranted.

While the Florida Public Service Commission has required municipal and cooperative utilities merely to set their own net metering policies, allowing for varying treatment of excess generation that flows back onto the utility system, Florida's investor-owned utilities must credit excess generation back to the customer at the full retail rate. Remaining excess generation over a 12-month billing period is credited at the utility's avoided cost, which is typically far lower.

Two competing potential amendments have been introduced into the Florida legislature that would modify the rights of electricity consumers regarding solar energy. The Florida Right to Solar Energy Choice Initiative (also known as Amendment 1) is aimed at (i) establishing a right for consumers to own or lease solar equipment, and (ii) ensuring that consumers who do not choose to install solar are not required to subsidize the costs of backup power and electric grid access to those who do. Amendment 1 will be on the 2016 ballot. It should be noted that Amendment 1 has received considerable support from Florida's investor-owned utilities. The Florida Right to Produce and Sell Solar Energy Initiative is the competing amendment of Amendment 1, and is intended to limit the electric utility imposed barriers to supplying local solar electricity. In essence, this amendment would allow customers with systems under 2 MW of capacity to sell electricity directly to other customers. The Florida Right to Produce and Sell Solar Energy Initiative was scheduled to be a part of the 2016 election ballot; however, the amendment failed to obtain the required number of signatures needed to qualify for the 2016 ballot. The 2018 election ballot is now the current aim for its supporters.

## Projection of NEL and Peak Demand

The forecast of sales for each rate classification described above are summed to equal the total sales of each Participant. An assumed distribution loss factor, typically based on a 5-year average of historical loss factors, is then applied to the total sales to derive monthly NEL, as measured at the wholesale meter used for ARP billing purposes. To the extent historical loss factors were deemed anomalous, they were excluded from these averages. In addition, in cases wherein historical losses appeared to be subject to a significant historical trend or shift, such historical trends or shifts were captured through a regression analysis of monthly losses, typically as a function of weather conditions, seasonal binaries, and binaries or trend variables intended to address these fluctuations. These trends and shifts are generally a function of distribution system improvements undertaken by the Participants.

Projections of peak demands were developed by applying projected load factors, generally based on an analysis of historical load factors, to the forecasted net energy for load on a total Participant system basis. However, prior to computing the necessary historical load factors from which to develop projections, historical impacts of load management and load-side generation resources (LM) of certain ARP Participants have been added back to the metered demands of these Participants, as described below. As a result, the forecasted peak demands for these Participants, and for the ARP in total, reflect the peak demands that the ARP must be prepared to serve irrespective of reductions in load that might be realized as a result of these resources, as they are not

controlled by FMPPA (and the FMPP Balancing Authority) and cannot be counted on to be active during peak periods.

In order to address LM activity for purposes of the load forecast, FMPPA maintains data regarding LM impacts as reported by ARP Participants. This data was paired with billed hourly data for each Participant to “gross-up” hourly loads, from which adjusted non-coincident and coincident peak demand determinants were derived. These gross values were then utilized in the computation of load factors and coincidence factors used in the peak demand forecast process, described further below. As a result, load and coincidence factors used to compute forecasted peak demands were based on hypothetical, gross of LM demands, so that the forecast reflects the load that must be served, irrespective of potential LM resources, which are not under the control of FMPPA (or the FMPP Balancing Authority).

Once the historical demand determinants were adjusted for load management impacts on the Participant level, projections of summer and winter non-coincident peak (NCP) demand were developed by applying projected annual load factors to the forecasted net energy for load on a total Participant system basis. The projected load factors are based on the average relationship between annual NEL and the seasonal peak demand generally over the period 2000-2015. In some cases, different averaging periods were selected or certain years excluded to address historical trends in load factor, frequently associated with large customer activity, and anomalies, including hurricane-related impacts.

Monthly peak demand is based on the average relationship between each monthly peak and the appropriate seasonal peak. This average relationship was computed after ranking the historical demand data within the summer and winter seasons and reassigning peak demands to each month based on the typical ranking of that month compared to the seasonal peak. This process avoids distortion of the averages due to randomness as to the months in which peak weather conditions occur within each season. For example, a summer peak period can occur during July or August of any year. It is important that the shape of the peak demands reflect that only one of those two months is the peak month and that the other is typically some percentage less.

Projected coincident peak demands related to the total ARP, the Participant groups, and the transmission providers were derived from monthly coincidence factors averaged generally over a 5-year period (2011-2015). The historical coincidence factors are based on historical coincident peak demand data that is maintained by FMPPA. Similarly, the timing of the ARP and Participant group peaks were determined from an appropriate summation of the hourly load data. The peak demands coincident with the transmission providers, Florida Power & Light and Duke Energy Florida, are based on hourly load data maintained by FMPPA and information regarding the timing of peak demands of the transmission providers obtained by FMPPA and from the transmission providers’ FERC Forms 1 for each year, supplemented via inquiries to these utilities for the most recent period.

For long-term resource planning purposes, FMPPA adds the anticipated real power losses over the transmission systems of the ARP’s transmission service providers to the resulting NEL and peak demand values to derive expected ARP generation

requirements. Generation-level NEL and CP demand are reported to the Florida Reliability Coordinating Council (FRCC) for purposes of determining Florida system reliability, and the Florida Public Service Commission as part of the Ten Year Site Plan. However, all system load determinants presented herein are on a delivered, or “city gate,” basis and exclude losses associated with transferring energy across the transmission systems of Florida Power & Light and Duke Energy Florida.



### Historical Participant Retail Sales, Load Management, and ARP Conservation Program Data

Data for each ARP Participant on numbers of customer accounts, electric sales, revenues, load management activity, ARP Conservation Program activity (including participation by measure, net expenditures, and marginal impacts), and Net Metering Program activity (including nameplate capacity and energy estimates by installed resource) collected and maintained by FMPA were furnished to Leidos. Retail data were generally available and analyzed over January 1992 through September 2015 (Study Period). Load management activity as reported by Fort Pierce, Jacksonville Beach, and Leesburg was provided for the period December 2010 through December 2015. ARP Conservation Program data were provided by FMPA for the 2009-2015<sup>9</sup> program years, based on quarterly reports submitted by ARP Participants.

### Weather Data

Historical weather data has been provided by the National Climatic Data Center (a subsidiary of the NOAA). Weather stations, for which historical weather was obtained, were selected based on their quality and proximity to the Participants. In most cases, the closest first-order weather station (usually airports) was the best source of weather data. In two cases (Beaches Energy Services and Fort Pierce), however, weather data from a cooperative weather station, which was closer than the closest first-order station, appeared to more accurately capture the weather conditions that affect the Participants' loads than the closest first-order weather station.

The influence on electricity sales of weather has been represented through the use of two data series—heating and cooling degree-days (HDD and CDD, respectively.) Degree-days are derived by comparing the average daily temperature and a base temperature, typically 65 degrees Fahrenheit, the base relied on herein. To the extent the average daily temperature exceeds the base, the difference between that average temperature and the base is the number of CDD for the day in question. Conversely, HDD result from average daily temperatures that are below the base. Heating and cooling degree-days are then summed over the period of interest, in this case, months.

Weather conditions assumed over the forecast horizon are based on the latest thirty-year normal monthly HDD and CDD, as reported by the NOAA, from the period 1981 through 2010. Figures 2-1 and 2-2 below depict historical data regarding winter HDD and summer CDD, respectively, for the Orlando airport weather station, the winter period, for this purpose, comprising December of the prior year through February of the current year and summer comprising June through September. The figures include both

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<sup>9</sup> Some data regarding 2015 was not yet available at the time of the analyses presented herein.

actual historical values, long-term normal, and the expected range of potential conditions assumed for purposes of alternative scenarios, which are discussed in Section 4. The figures show that HDD have been below normal over the last few winters, while summer conditions have been closer to normal.<sup>10</sup> These observations are similar for most other weather stations impacting the ARP Participants, though the northern part of the state was much closer to normal during the winter (i.e., colder relative to normal than the central and southern parts of the state, which were below normal).

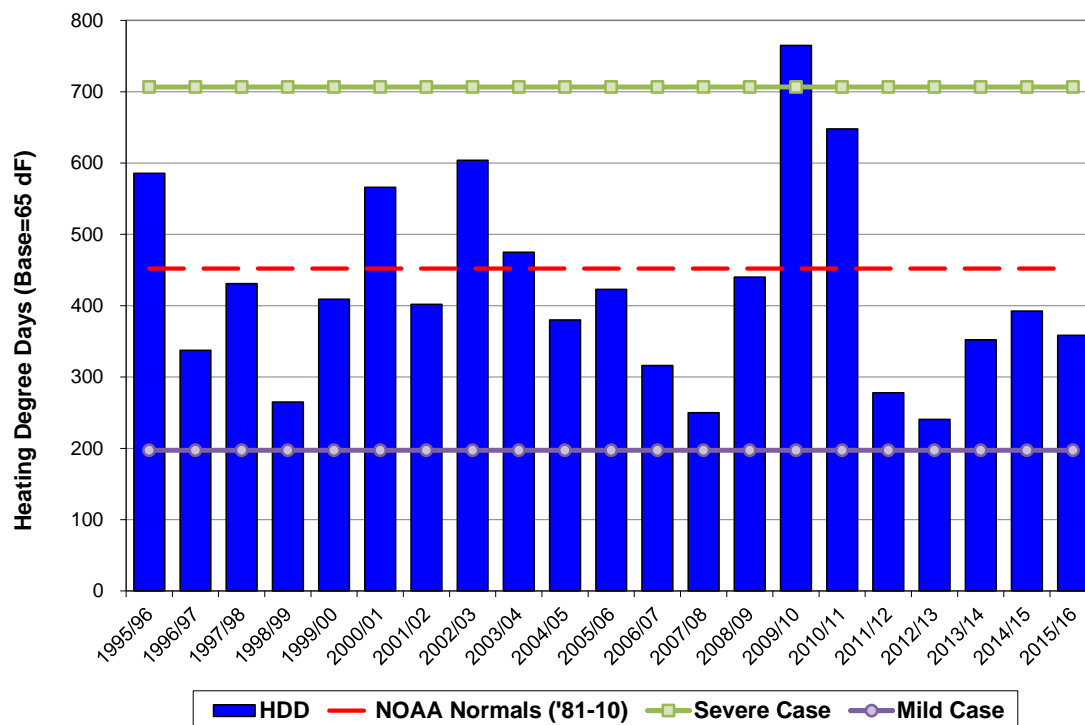


Figure 2-1: Historical v. Normal and Typical Range of Winter Heating Degree Days

<sup>10</sup> The Study Period of analysis for the Load forecast reflects an endpoint of September 2015. Values for winter 2015/16, which includes January and February 2016, are shown here for comparative purposes only.

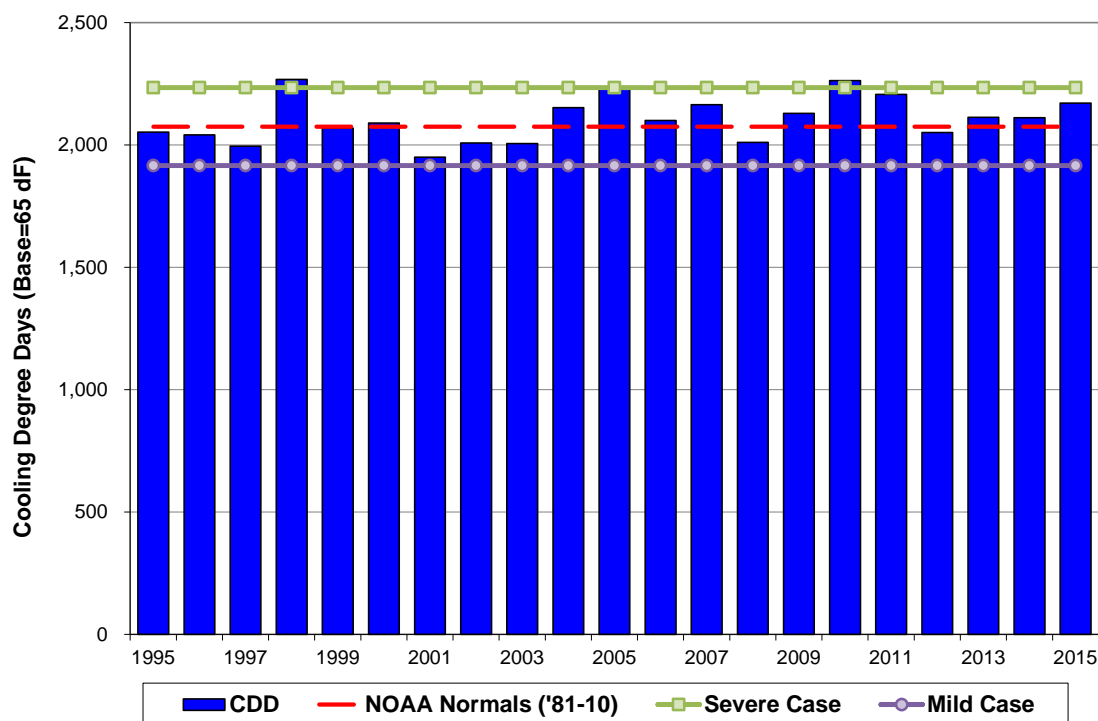


Figure 2-2: Historical v. Normal and Typical Range of Summer Cooling Degree Days

Appendix D includes a graphical comparison of historical and normal annual HDD and CDD for the weather station used in the forecast of each Participant's load.

## Economic Data

Historical and projected economic and demographic data were obtained from IHS Global Insight and Woods & Poole Economics, both nationally recognized providers of economic data. The data relied on include economic and demographic data for the 14 counties in which the Current Participants' service territories reside (the service territory of Beaches Energy Services includes portions of both Duval and St. Johns Counties). These data include county population, households, employment, personal income, retail sales, and gross domestic product. Although all data was not necessarily utilized in each of the forecast equations, each was examined for its potential to explain changes in the Participants' historical electric sales.

The historical and projected data used in the econometric analysis and resulting forecasting equations reflect a blending of the two data providers (Global Insight and Woods & Poole), generally beginning in 2016. In several cases, based on feedback from the Participants, the forecast reflects a heavier weighting toward the projected growth rates of Woods & Poole over the forecast horizon, which has tended to reduce growth rates somewhat, as many of the projections from this provider reflect somewhat slower growth in population and/or economic activity.

Two of the most influential variables in the 2016 Forecast, household counts and average real personal income, are shown in the Figures below, comparing the most current estimates and projections to those used in the 2015 Load Forecast.

Figure 2-3 depicts historical and projected data regarding the total number of households across the 14 counties in which the Current Participants provide service. The flattening of the growth in household counts beginning 2007 and extending through about 2010 clearly illustrates the impact of the recent deep and prolonged recession, at the core of which was the extreme over-extension of the housing market.

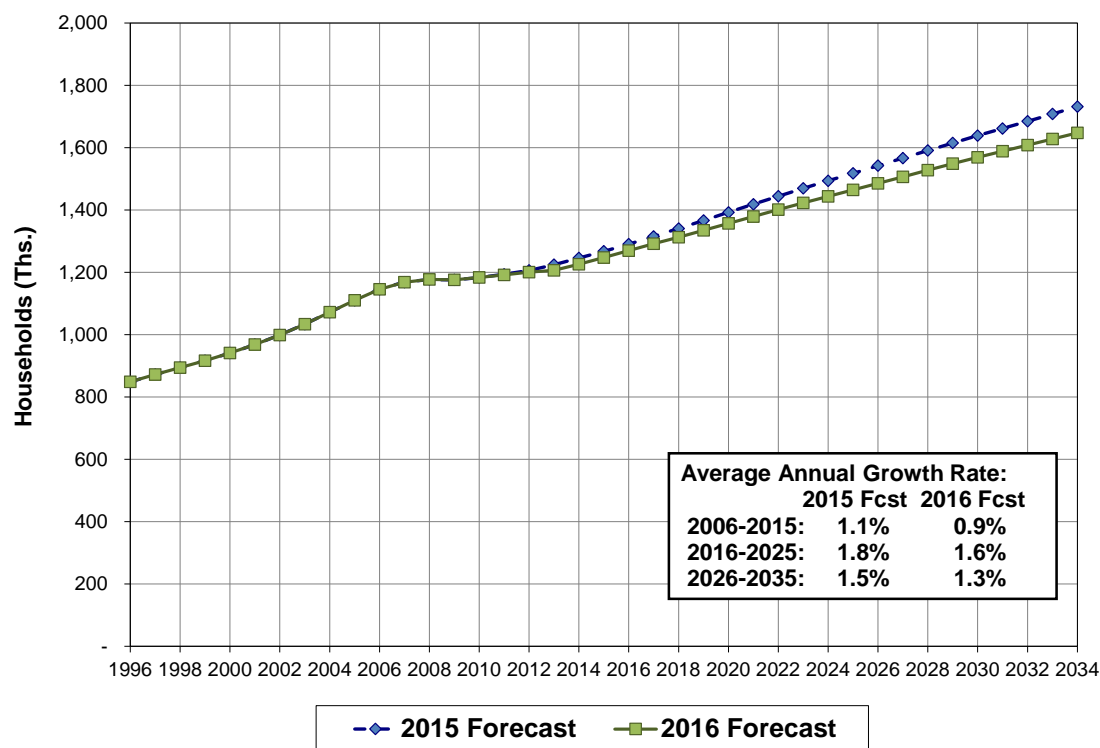


Figure 2-3: Household Counts Across the ARP Counties

Figure 2-4 depicts historical and projected data regarding the average real personal income per household across the counties in which the Current Participants provide service. Data shown are in constant dollars. The impact of the recent recession and the associated housing boom and bust is clearly visible over the 2004-2013 period. The projection reflects a gradual improvement, with the pace of increase projected to be somewhat lower than reflected in the 2015 Forecast. Importantly, the revisions to historical data demonstrate the fact that economic data are subject to revision, even many years after the fact, particularly at the small geographic level.

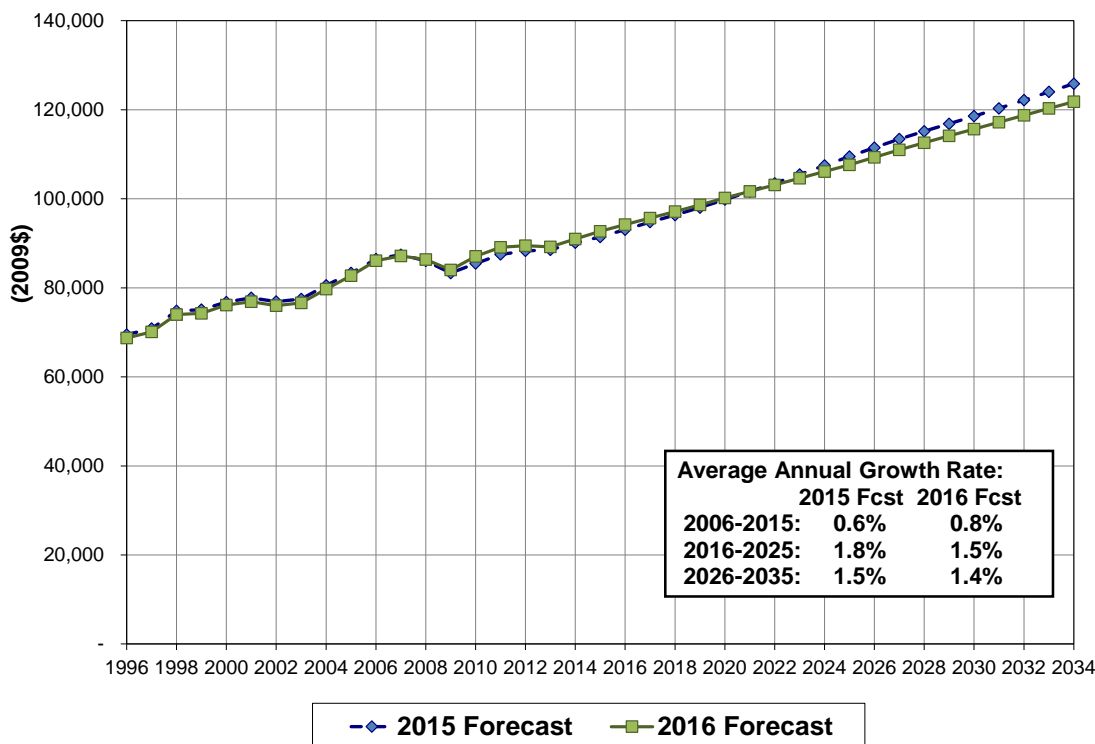


Figure 2-4: Real Average Personal Income per Household Across the ARP Counties

Historical and projected rates of change of the key economic drivers in the Forecast are detailed in the accompanying appendices, in the sections detailing forecasts by Participant. Note that personal income refers to the total income earned by the population in a county rather than average personal income per capita, thereby combining population and income per capita concepts.

In addition to the economic data by county discussed above and detailed in Appendix D for each Participant, data regarding the personal savings rate for the United States was obtained from the St. Louis Federal Reserve. Variations in the personal savings rate were tested to ascertain whether they help explain variations in energy consumption in one of two ways—either as a stand-alone variable or as an adjustment to real personal income (thereby capturing an effective consumed income term). The relevant theory is that the recent deep and prolonged recession and attendant impact on consumers' savings and home equity may have caused a long-term retrenchment in spending, both on retail goods and services and on energy.

Figure 2-5 depicts historical and projected data regarding the personal savings rate. Data over the forecast horizon reflects the average over 1990-2015. Data on this variable specific to Florida are unavailable.

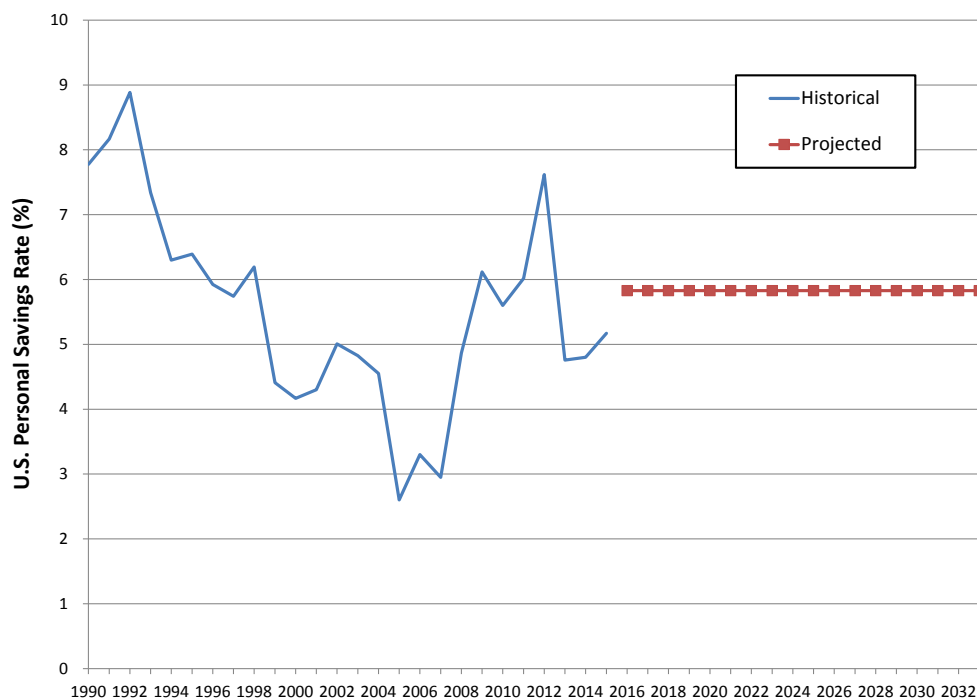


Figure 2-5: Historical and Assumed Future U. S. Personal Savings Rate

## Real Estate Data

During the recent housing crisis, a large number of homes in Florida became vacant, as a result of both foreclosures and investment activity. Some of these homes may still be connected and counted as residential customers, perhaps being owned by an investor or by a bank and minimally space conditioned in order to maintain the home but otherwise vacant. These very low usage accounts would reduce the recorded average consumption of residential customers and may be a significant cause of the recently lower level of average consumption in the residential class across the ARP Participants.

In order to capture this potential issue across the ARP, historical data regarding housing vacancy rates were obtained from the Bureau of the Census and tested for inclusion in the forecast equations for the residential class. In several cases, housing vacancy rates do appear to be an important driver of average residential consumption. Projected data are developed based on a return to the long-term historical average over a brief period.

Figure 2-6 depicts historical and projected data regarding the housing vacancy rate for both owned and rented housing units.<sup>11</sup> The chart reflects that vacancy rates did increase markedly over the 2006-2012 period but have since returned to levels that are more representative of the long-term history. Rental vacancy rates appear to have fallen somewhat below that level, which is reflective of the current tight rental market.

<sup>11</sup> Status of housing units, in terms of occupancy and owned versus rental units are determined as part of the Current Population Survey, which combines telephonic surveys with on-site fieldwork. The rental vacancy rate for the U.S. is a component of the index of leading economic indicators, which is used to gauge the current economic climate

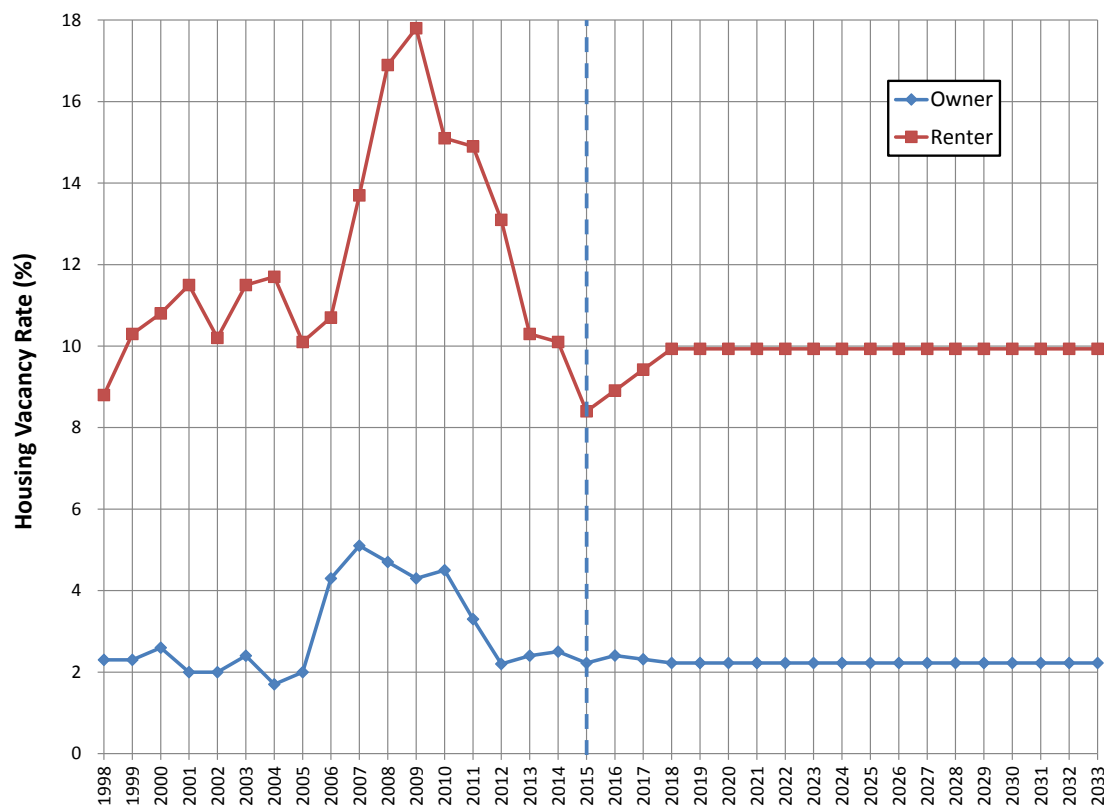


Figure 2-6: Historical and Assumed Future Florida Housing Vacancy Rates

## Real Electricity Price Data

The real price of electricity is generally represented as a multi-month moving average of real average revenue, based on retail billing data submitted by the Participants to FMPA staff. The moving average period varies from 12 to 60 months (i.e., one to five years) but is in multiples of twelve months to avoid the seasonality that is typical of average electricity revenues, which would be correlated with weather-related influences. It is expected that changes in electricity prices will yield greater variations in load after a longer period of time has elapsed. However, the strong negative correlation between electricity prices and economic data precluded a lengthier lag treatment for the price variable in many cases.

Projected electricity prices are generally based on the latest Annual Energy Outlook (AEO), published by the Energy Information Administration (EIA).<sup>12</sup> Reference case projections of electricity prices provided in the “early release” of latest AEO reflect that average real electricity prices in the state of Florida are expected to grow at approximately 0.5% per year over 2016 through 2035. Given an average price elasticity<sup>13</sup> across the retail customers of the ARP Participants of 0.2, this has resulted

<sup>12</sup> Projections were based on the 2015 Annual Energy Outlook. The 2016 Outlook is expected to be released in late April 2016.

<sup>13</sup> Elasticity is a measure of the influence of one variable on another, describing the amount of change that can be expected in one variable from a one-percentage point change in another variable. Therefore,

in a decrease in the projected rate of growth in NEL across the ARP Participants of approximately 0.1% per year.

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a price elasticity of 0.2 reflects that a one percent change in price will yield a 0.2% impact on demand. In most cases, including this Load Forecast, this impact occurs after a lag, sometimes as long as several years.



## Section 3

# PRINCIPAL CONSIDERATIONS AND ASSUMPTIONS

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In preparing the 2016 Load Forecast, as summarized in this report, we have made certain assumptions with respect to conditions that may occur in the future. These assumptions primarily relate to economic, demographic, and weather conditions. With regard to certain of these factors, we have used and relied upon information provided to us, or prepared by others. While we believe the assumptions made by us in preparing the 2016 Load Forecast are reasonable for the purposes of the forecast, they are dependent on future events, and actual conditions may differ from those assumed. While we believe the sources of the information provided to us, or prepared by others, to be reliable and the use of such information to be reasonable for the purposes of the forecast, we offer no other assurances with respect thereto.

To the extent that economic, demographic, weather, or other conditions occur that are different from those assumed by us or from the information provided to us or prepared by others, the actual load on the ARP Participants' systems can be expected to vary from the forecast. It should be emphasized that the confidence associated with any forecast varies inversely with the length of the forecast horizon. The probability of other factors affecting forecasted values increases with uncertainty about future developments; this uncertainty increases with the length of the forecast horizon. With this in mind, the 2016 Load Forecast should be seen as providing reasonable estimates of future demand and energy requirements of the ARP and its Participants for the purposes for which the forecast is intended; however, these estimates are subject to the future effects of factors that cannot be reasonably foreseen at this time.

The development of the 2016 Load Forecast was based upon the following principal consideration and assumptions:

- The future influence on energy sales of the economic, demographic, and weather factors, on which the econometric models are based, was assumed to be similar to the estimated influence of such factors generally over the period 1992 through 2015.
- Although the econometric models implicitly account for the historical relationships between energy usage and the following factors to the extent they have occurred in the past, the 2016 Load Forecast does not explicitly reflect extraordinary potential future effects of: (a) increases in appliance design efficiency or building insulation standards; (b) significant conservation efforts, including those funded by the ARP, the state of Florida, and the federal government, that are not a function of changes in electricity or natural gas prices; (c) development of substitute energy sources, or demand-side generation; (d) consumers switching to traditional or new types of electrical appliances from other alternatives (e.g., electric vehicles); (e) consumers switching from electrical appliances to other alternatives; or (f) variations in load that might result from legal, legislative, regulatory, or policy actions.

- The recent average historical relationships between annual summer and winter non-coincident demands and annual NEL and between monthly NCP demands and annual winter and summer NCP demands were assumed to represent reasonable approximations of future load relationships between demands and energy requirements.
- The Contract Rate of Demand for Ft. Meade, effective January 1, 2015, was set at 10.36 MW based on information provided by FMPA. The CROD for Green Cove Springs, effective January 1, 2020, was developed in partnership with FMPA and has been reflected herein at differing levels for each scenario.
- Data regarding the historical impacts of load management resources operated by the Participants and reported to FMPA are assumed to be accurate.
- The data regarding the ARP Conservation Program, including historical participation and marginal impacts, are assumed to be accurate. Leidos has independently reviewed and assisted in the development of the marginal impact estimates of the programs and believes them to be reasonable. As discussed previously, Leidos has prepared, with FMPA's assistance, simplified projections of Conservation Program activity and load impacts, which reflect that projected load impacts will not exceed FMPA's threshold for explicit inclusion in the Load Forecast of 0.5 percent of load over the 20-year planning horizon. To the extent the Conservation Program expands in a significant way relative to these projections, the future impacts may have a significant impact on future loads to be served by the ARP not captured herein.
- Data regarding installed distributed generation as part of FMPA's Net Metering Program are assumed to be accurate and represent all distributed generation (other than certain generation resources utilized by the Participants for emergency purposes). As discussed previously, Leidos has prepared, with FMPA's assistance, a simplified projection of impacts from FMPA's Net Metering Program, which reflect that load impacts will not exceed FMPA's threshold for explicit inclusion in the Load Forecast of 0.5 percent of load over the 20-year planning horizon. To the extent activity in the Net Metering Program expands in a significant way relative to these projections, the future impacts may have a significant impact on future loads to be served by the ARP not captured herein.

## Section 4

# OVERVIEW OF RESULTS

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Results of the load forecast included herein for the total ARP are presented in the following two ways:

- **Current Participants:** Reflecting the total load of ARP Participants currently served by the ARP (Current Participants) over the entire historical period and forecast horizon irrespective of the fact that certain Participants were not yet served by the ARP in certain historical periods and certain Participants are receiving or are anticipated in the future to receive service under a CROD. This allows for results to reflect a consistent set of ARP Participants over the entire historical and forecasted period, which aids in the comparison of growth rates over the period shown.<sup>14</sup>
- **Supplied Load:** Reflecting in each period the total load of ARP Participants actually supplied by the ARP (the “Supplied” loads), which has varied through time as a result of ARP Participants initiating and discontinuing service from the ARP.

The Current Participants basis results are presented first, as this basis reflects a consistent set of ARP Participants over the entire historical and forecasted period, which aids in the comparison of growth rates over the period shown. Subsequently, results are shown on a Supplied basis, which reflects the load that the ARP must actually serve and is directly used in downstream FMPA planning analyses.

Additionally, it should be noted that the peak demand projections presented herein are gross of potential load management resources of certain Participants. For purposes of developing peak demand projections, historical peak demands were adjusted upward for estimates of the impact of such resources. However, historical peak demand determinants are reported herein based on actual metered data. The projected period reflects peak demands gross of potential load management and load-side generation resources, as these are not firm resources that can be relied upon to serve future load.

The results of the Forecast reflect that the net energy for load (NEL) of the Current Participants<sup>15</sup> is expected to grow at compound annual growth rates of 1.3% per year over fiscal years 2016-2025 and 1.0% over 2026-2035. This compares to historical compound annual growth over 1998-2015 of 0.8% per year and compound annual *decline* over 2006-2015 of 0.5% per year. Similarly, the Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound

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<sup>14</sup> The Ft. Meade load served by the ARP has decreased somewhat as a result of their service under a CROD effective January 1, 2015. Similarly, the load of Green Cove Springs served by the ARP is expected to decrease somewhat as a result of a CROD effective January 1, 2020. However, this is a small impact on the ARP load, and forecast data for the Current Participants shown herein include the *total* load of Ft. Meade and Green Cove Springs rather than the load that is expected to be served by the ARP.

<sup>15</sup> This excludes the loads of Lake Worth and Vero Beach, which are no longer supplied by the ARP, effective January 2014 and January 2010, respectively (as discussed in more detail elsewhere below).

annual growth rates of 1.3% per year over 2016-2025 and 1.0% over 2026-2035. This compares to historical compound annual growth over 1998-2015 of 0.7% per year and compound annual *decline* over 2006-2015 of 0.5% per year. The Base Case projected fiscal year 2016 NEL and coincident peak of the Current Participants are 5,784 GWh and 1,206.1 MW, respectively.

These historical growth rates are significantly impacted by the recent deep and prolonged recession from which the Florida economy has been slowly recovering. Impacts of the recent recession over the 2008 through 2012 time period include the following:

- Significant decline in the market value of homes
- Severe downturn in housing construction, historically a major Florida employer
- Sharp increase in the number of home foreclosures and residential vacancies
- A retrenchment in consumer spending
- Significant reduction in the influx of tourists and seasonal residents
- A historic rise in the state unemployment rate to nearly 12% during 2010, which was unprecedented since the early 1970s<sup>16</sup>

It is also commonly viewed that the period leading up to 2007 was artificially inflated as a result of the housing boom, with the associated illusion of wealth driven from temporary increases in home equity and the temporary jump in construction and finance employment. The average historical growth in NEL of the Current Participants over 1995, the earliest year of available and reliable load data, through 2003 (years that exclude both the recent housing boom and bust) was approximately 3.3% per year. Similarly, the average historical growth in coincident peak demand over 1995-2003 was approximately 2.4% per year.

The current economic projections do reflect a more sustained recovery from the current relatively weak economic and housing conditions, which should result in a similar recovery in the load served by the ARP Participants. The forecasted growth rates in NEL and coincident peak demand for the ARP over 2016-2025 discussed above reflect the impact of this projected recovery. However, the forecast results reflect that the fiscal year NEL of the Current Participants will not exceed the 2006 level until approximately 2020.

Figure 4-1 depicts the historical, weather-normalized historical, and forecasted fiscal year NEL of the Current Participants. Weather during fiscal year 2015 was closer to normal but significantly warmer than normal during the spring and early summer and slightly milder than normal during the winter months. The estimation of weather's impact on energy consumption during fiscal year 2015 reflects that NEL across the ARP would have been approximately 2.5% lower had weather been normal.

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<sup>16</sup> Based on seasonally adjusted data reported by the Bureau of Labor Statistics through December 2012.

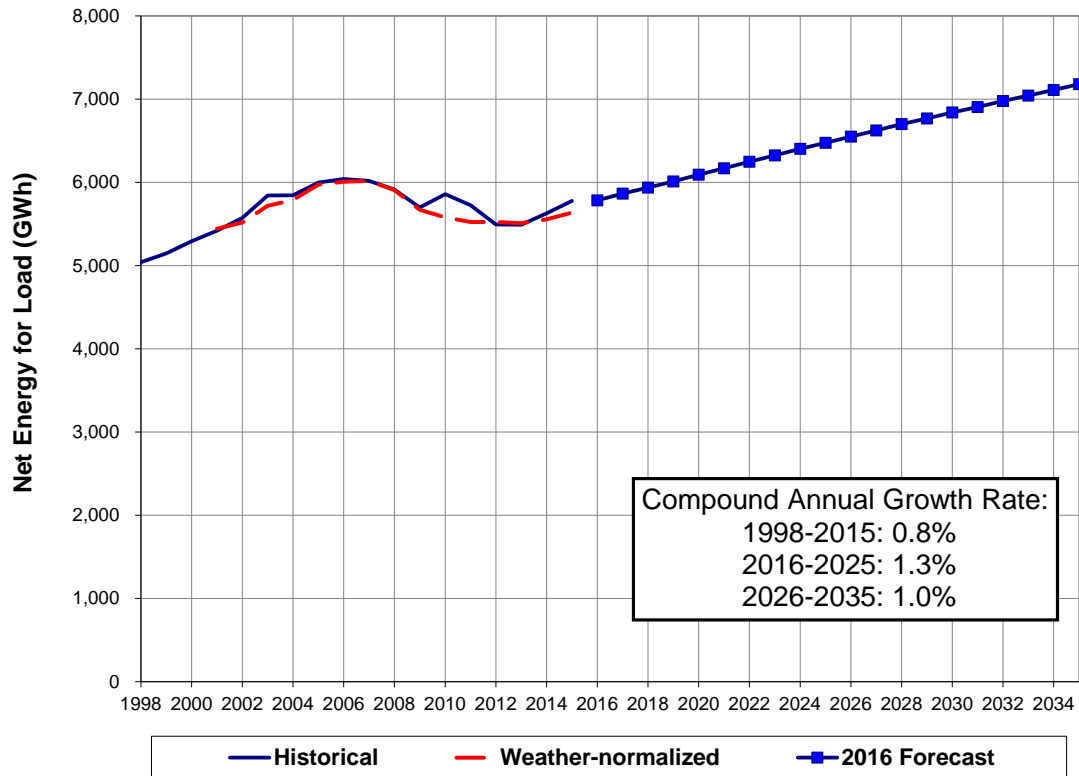


Figure 4-1: Fiscal Year Net Energy for Load of Current Participants

Figure 4-2 below depicts the historical and forecasted summer and winter peak demand of the Current Participants (i.e., excluding Lake Worth and Vero Beach for all historical and future periods). As the figure shows, the ARP annual coincident peak typically occurs in the summer. As a result of very low penetration of natural gas heating and the generally poor efficiency of electric space heating at low temperatures, the winter coincident peak demand is significantly more volatile than the summer peak and can exceed the summer peak, as it did during winter 2010 and 2011, winter being defined herein as the period November of the preceding year through March of the current year. The more recent winter peak conditions were milder, resulting in a more typical seasonal demand relationship of summer peaks being higher than winter peaks. This relationship is expected to continue in the forecast period, which assumes normal weather conditions.

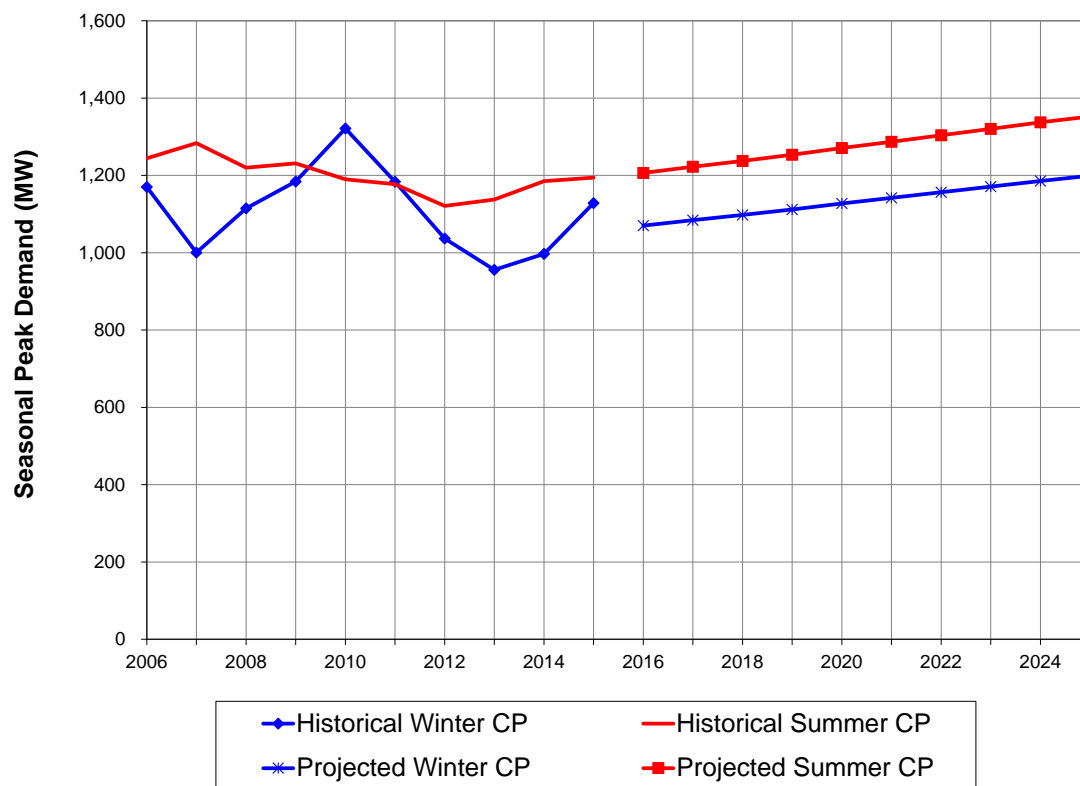


Figure 4-2: Seasonal Peak Demand of the Current Participants

The loads actually served by the ARP (Supplied Load) historically have varied from those depicted in Figures 4-1 and 4-2 as a result of the timing of ARP Participants initiating or discontinuing service from the ARP. For example, Kissimmee Utility Authority and Lake Worth began taking service from the ARP in October 2002. Conversely, as a result of the establishment of Contract Rate of Demand (CROD) for Vero Beach, effective January 1, 2010, it was determined in December 2009 that the ARP would serve none of the load for Vero Beach beginning January 2010. Similarly, as a result of the establishment of CROD for Lake Worth, effective January 1, 2014, the ARP no longer serves any of Lake Worth's load. Accordingly, the forecast of load supplied by the ARP excludes the load of those two utilities after the respective effective dates of CROD. Furthermore, the forecast of load supplied by the ARP reflects CROD for Ft. Meade beginning January 2015, at the established level of 10.36 MW. Similarly, the forecast reflects establishment of CROD for Green Cove Springs beginning January 2020, with an estimated CROD value in the Base Case of 27.61 MW.

Figures 4-3 and 4-4 depict the historical and forecasted fiscal year NEL and annual peak demand expected to be supplied from the ARP, reflecting the additions through time of new ARP Participants and the establishment of CROD for Vero Beach, Lake Worth, Ft. Meade and Green Cove Springs. As shown below, the NEL supplied by the ARP was reduced by approximately 11% over fiscal years 2009 to 2011 and by an additional 7% over fiscal years 2013 to 2015, as a result of establishment of CROD for Vero Beach and Lake Worth, respectively (as the data shown is on a fiscal year basis, and the effective dates of CROD in both cases was January, the impact of CROD is spread over

two years each). The historical growth rates and those for the initial ten-year horizon are impacted by the portion of load of ARP Participants that the ARP actually served. The impacts of the initiation of service under a CROD for Ft. Meade and Green Cove Springs is not specifically noted in the Figures below, as it is not sufficiently visible in the charts.

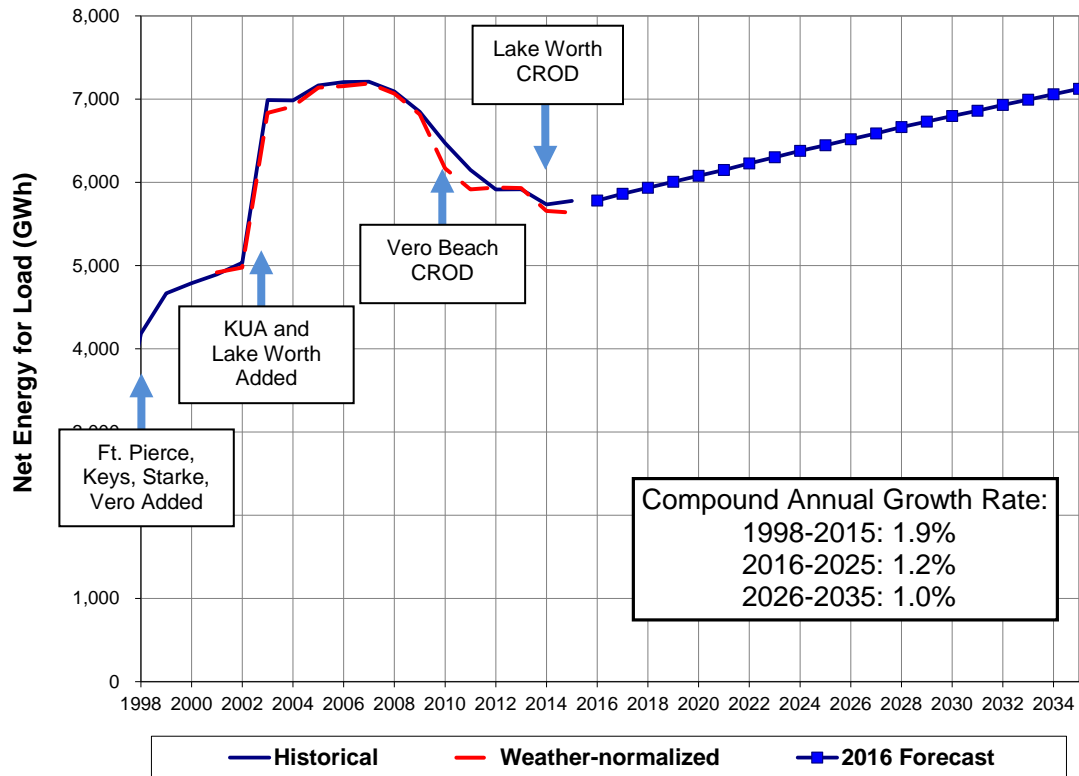


Figure 4-3: Fiscal Year Net Energy for Load Supplied from the ARP

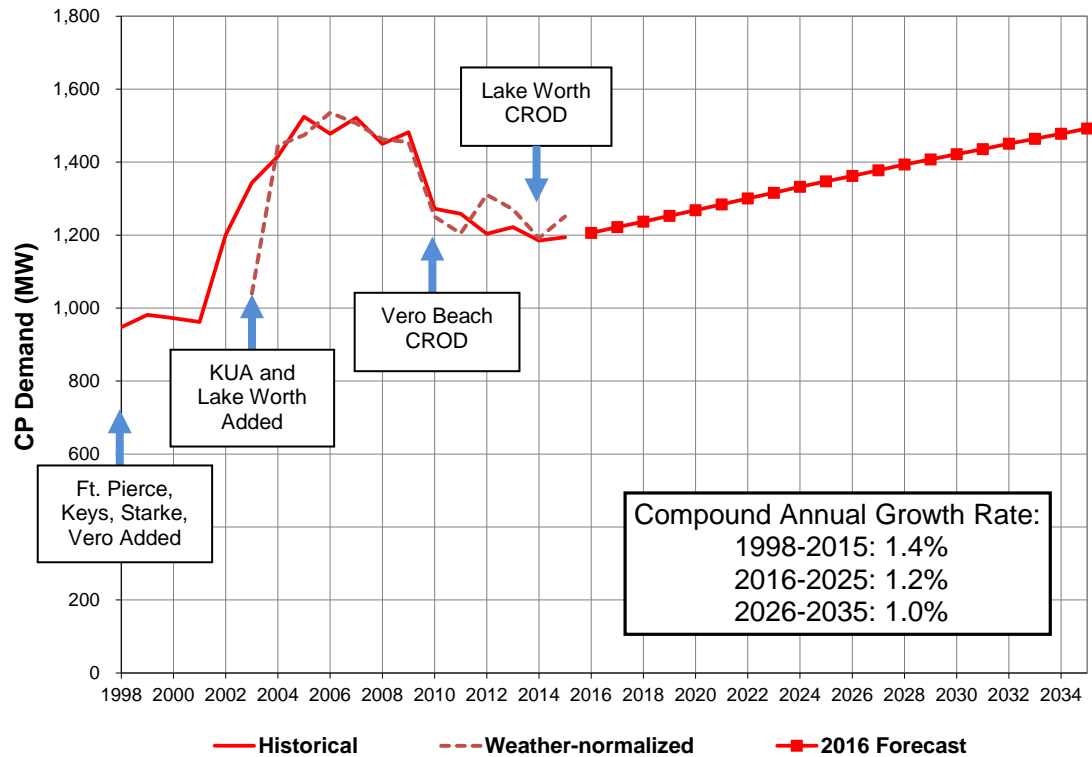


Figure 4-4: Annual Peak Demand Supplied from the ARP

The ARP annual coincident peak typically occurs in the summer, and more often in August than other summer months. However, the annual peak occurs almost as frequently in July. In addition, as discussed previously, the winter coincident peak demand is significantly more volatile than the summer peak and under certain conditions can exceed the summer peak.

Figure 4-5 below depicts the historical and projected summer and winter peak demand to be supplied from the ARP. In this figure, winter is defined as November of the preceding year through March of the current year, with January being the typical winter peak month. Note that the 2015 winter peak (i.e., 2014/15 winter) occurred during severe weather, with the estimated impact of weather increasing the peak by approximately 7 percent from the level it would have been had winter peak day weather been normal.



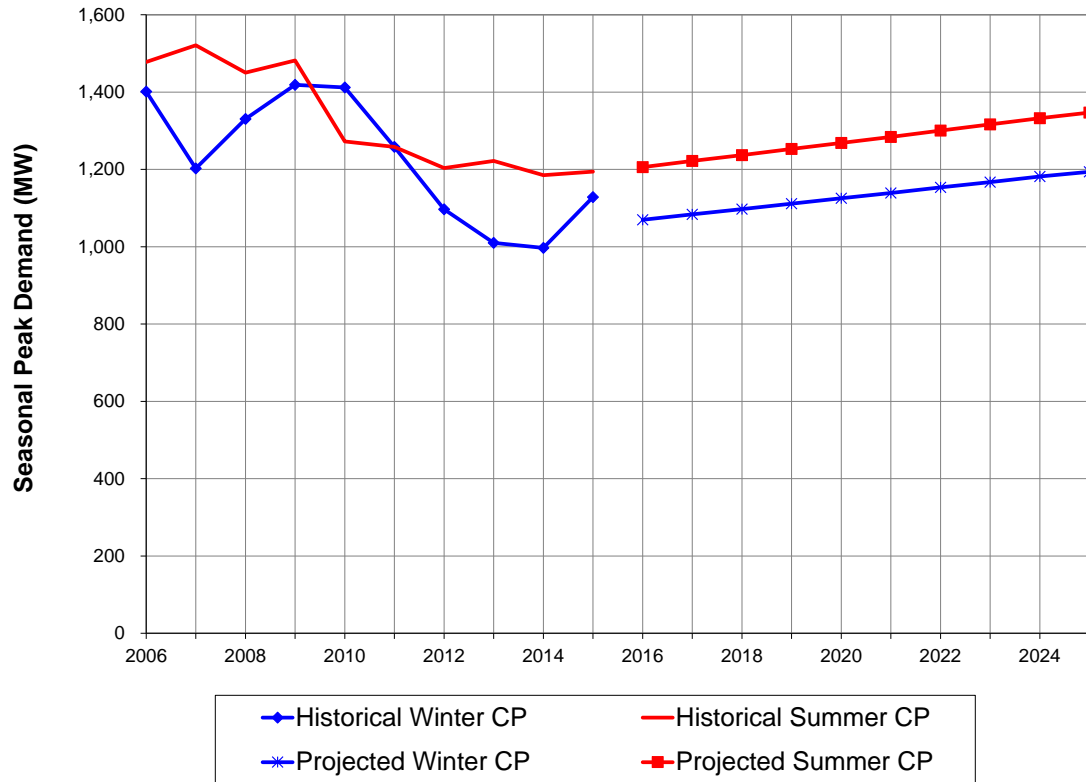


Figure 4-5: Seasonal Peak Demand Supplied from the ARP

The results of the Forecast, irrespective of when Participants are added to, leave the ARP, or otherwise establish service under a CROD, are summarized in Table 4-1 below. As the totals in the table below reflect the sum of *all* Current Participants, they will not tie to those discussed above. Projections by Participant and major customer classification are available in Appendix D that accompanies this report.

**Table 4-1**  
**Forecasted Loads to be Supplied from the ARP**

Participant	Annual Coincident Peak Demand (MW) <sup>[1]</sup>					Annual Net Energy for Load (FY; GWh)				
	2016	2020	2025	2030	2035	2016	2020	2025	2030	2035
Bushnell	5.2	5.5	5.7	6.0	6.3	24	25	27	28	29
Clewiston	20.9	21.8	22.8	23.8	24.8	107	111	116	121	127
Ft Meade <sup>[2]</sup>	8.0	8.0	8.0	8.0	8.0	39	39	39	39	40
Ft Pierce	107.7	110.9	114.1	116.9	119.2	568	585	603	618	630
Green Cove Springs <sup>[2]</sup>	23.8	23.7	23.7	23.7	23.7	117	116	113	114	114
Havana	4.9	5.2	5.3	5.4	5.6	25	26	27	28	28
Jacksonville Beach	160.7	167.2	174.3	181.1	188.4	754	786	819	851	886
Key West	132.2	136.3	140.6	144.8	147.9	769	793	819	844	862
Kissimmee	336.1	360.9	398.4	433.5	467.3	1,512	1,625	1,795	1,955	2,107
Leesburg	100.1	106.4	112.5	118.7	124.1	470	499	528	557	583
Newberry	8.1	8.7	9.5	10.4	11.2	37	40	43	47	51
Ocala	282.9	298.4	316.2	333.2	349.1	1,289	1,359	1,440	1,518	1,591
Starke	15.2	15.4	15.8	16.2	16.5	72	72	74	76	77
Total ARP <sup>[3]</sup>	1,205.8	1,268.3	1,347.0	1,421.8	1,492.1	5,782	6,078	6,445	6,797	7,124

[1] Annual peak demand is the summer peak coincident with the All-Requirements Project.

[2] The forecast reflects that Ft. Meade and Green Cove Springs are served under CROD arrangements effective January 2015 and January 2020, respectively.

[3] Totals may not equal the sum of the Participant values due to rounding.

## Comparison to Actual Results and the 2015 Load Forecast

A similar forecast was completed in early 2015 (2015 Forecast). Net energy for load of the Current Participants for fiscal year 2015, as projected in the 2015 Forecast, was 2.4% lower than the actual but approximately equal to the weather-normalized value. The forecasted 2015 summer coincident peak from the 2015 Forecast was approximately 1.5% lower than the actual 2015 summer coincident peak but was estimated to be 5.9% lower than the weather-normalized 2015 summer coincident peak. While the summer peak day exhibited fairly normal weather conditions, this day occurred in June rather than the more typical occurrence in August, and it is estimated that, had typical peak day weather conditions occurred during August, the peak would have been considerably higher than the actual June 2015 peak.

Figures 4-6 and 4-7 compare the forecasted fiscal year net energy for load and peak demand, respectively, supplied by the ARP, from the current 2016 Load Forecast and the 2015 Forecast. Differences in forecasted NEL range from 0.7% higher in FY2016 to 3.7% lower in FY2034, and differences in annual peak demand range from 0.8% higher in 2016 to 3.7% lower in FY2034. However, note that a portion of this difference is related to the assumed service under CROD for Green Cove Springs, which was not reflected in the 2015 Forecast. Discounting the impact of CROD, the difference by FY2034 is reduced to 3.0%.

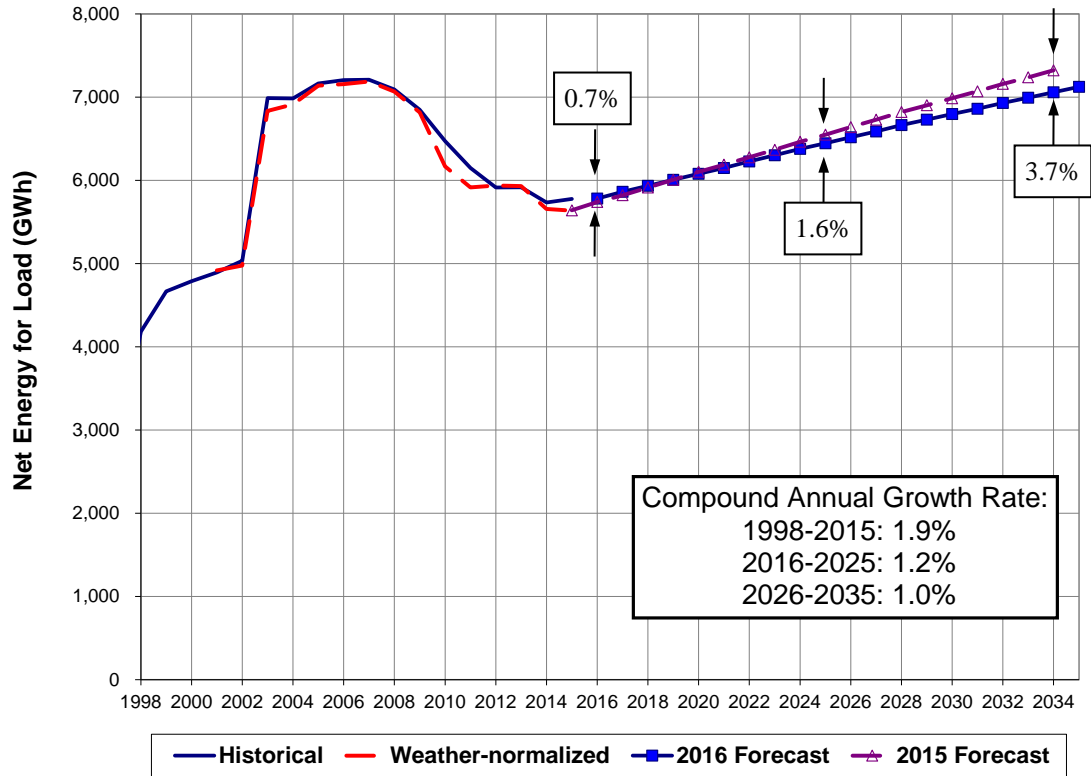


Figure 4-6: Annual Net Energy for Load Supplied by the ARP

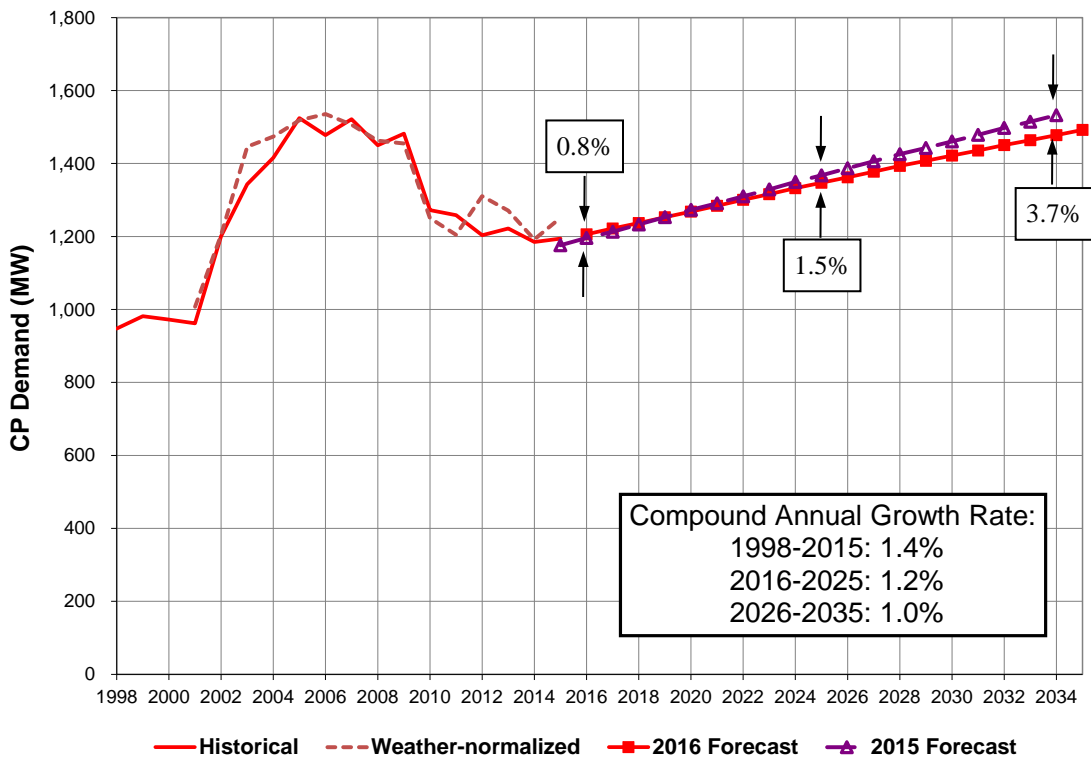


Figure 4-7: Annual Peak Demand Supplied by the ARP

## Uncertainty of the Forecast

While a forecast that is derived from projections of the driving variables, obtained from reputable sources, provides a sound basis for planning, there is significant uncertainty in the future level of such variables. To the extent that economic, demographic, weather, or other conditions occur that are different from those assumed or provided, the actual Participant load can be expected to vary from the forecast. For various purposes, it is important to understand the amount by which the forecast can be in error and the sources of error.

At the direction of FMPA staff, we have produced high and low range results that address potential variance in driving economic and weather variables from the values assumed in the Base Case. There is a significant difference between these two sources of uncertainty. Economic uncertainty tends to result in a deviation from the trend, while weather uncertainty results in volatility around the basic trend. Accordingly, we have produced separate high and low results to address both economic uncertainty and weather uncertainty. These ranges are intended to capture approximately 90% of occurrences (i.e., 1.7 standard deviations).

## Economic and Demographic Uncertainty

The Base Case forecast relies on a set of assumptions, developed from projections provided by IHS Global Insight and Woods & Poole, about future population and economic activity in the counties surrounding the Participants. However, such projections are unlikely to exactly match the resulting data as future periods become history. While it is sensible to place significant weight on the Base Case, it would be useful to develop some estimate of the range of potential outcomes and the impact on load.

While Global Insight does not publish information regarding the potential error of their projections, we relied on such statistics from Woods & Poole, which relies on a similar underlying data set and methodology. Woods & Poole publishes several statistics that define the average amount by which various projections they have prepared over 1984 through 2013 are different from actual results. We have utilized these statistics to develop ranges of the trends of economic activity and population representing approximately 90% of potential outcomes (i.e., 1.7 standard deviations). Table 4-2 below provides the amount by which the economic projections were adjusted upward and downward from the Base Case assumptions to develop the High and Low Economic Cases. Other economic data, such as retail sales and gross domestic product, were assumed to vary by the same degree as income.

**Table 4-2**  
**Economic Scenarios – Assumed Variance from Base Case (+/-)**

	Population	Employment	Income	Income Per Capita
2016	2.2%	4.3%	5.0%	3.6%
2017	3.4%	6.3%	7.3%	5.2%
2018	4.3%	7.8%	9.0%	6.3%
2019	5.2%	9.2%	10.5%	7.3%
2020	6.0%	10.4%	11.9%	8.2%
2021	6.8%	11.5%	13.1%	8.9%
2022	7.5%	12.5%	14.2%	9.7%
2023	8.1%	13.4%	15.2%	10.3%
2024	8.8%	14.3%	16.2%	10.9%
2025	9.4%	15.2%	17.1%	11.5%
2026	9.9%	16.0%	18.0%	12.0%
2027	10.5%	16.8%	18.9%	12.6%
2028	11.1%	17.5%	19.7%	13.1%
2029	11.6%	18.2%	20.5%	13.5%
2030	12.1%	18.9%	21.3%	14.0%
2031	12.6%	19.6%	22.0%	14.4%
2032	13.1%	20.3%	22.7%	14.9%
2033	13.6%	20.9%	23.5%	15.3%
2034	14.1%	21.6%	24.1%	15.7%
2035	14.6%	22.2%	24.8%	16.1%

Figure 4-8 below depicts the forecast of summer CP demand resulting from the High and Low Economic Cases as compared to historical and weather-normalized data and the Base Case for the Current Participants. The Low and High Economic Cases reflect compound annual growth rates for the net energy for load and summer coincident peak of the Current Participants that range from 0.5% to 2.0% over 2016 to 2025 and from 0.6% to 1.4% over 2026 to 2035. This compares to compound annual growth rates for the Base Case of 1.3% over 2016 to 2025 and 1.0% over 2026 to 2035. Note that the upper end of the potential forecast range reflects the fact that growth is somewhat restricted in the forecast models by the assumptions surrounding limits to growth for certain Participants, including Jacksonville Beach and Key West.

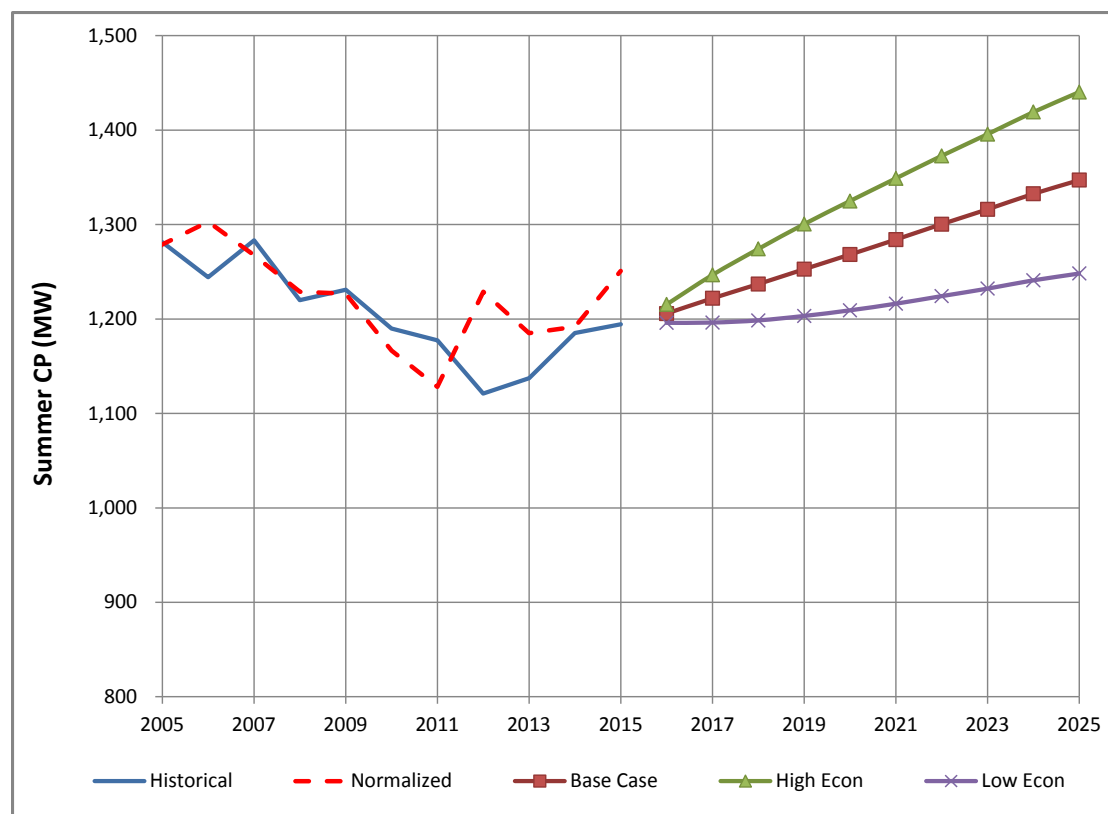


Figure 4-8: Economic-related Uncertainty in Summer CP Demand – Current Participants

We have relied on potential error statistics related to projections at the state level so that the projections of each Participant can be summed to represent a consistent case. However, the projections of the Participants are not perfectly correlated. By its very nature, the aggregate economy and population comprising the load supplied from the ARP will exhibit significantly less volatility than any individual Participant's service area. Therefore, care should be exercised when using these alternative growth scenarios, as the plausible range of results for any *individual* Participant may be considerably wider than that shown.

Finally, the statistics obtained from Woods & Poole regarding historical economic forecasting error pertain to statistics both over a specific historical period and across the U.S. As mentioned above, the historical period is 1984-2013. The majority of this period happened to be relatively stable by long-term standards and in comparison to the current recession. Similarly, the economy of Florida may exhibit fluctuations of different magnitude than represented by the combined range of errors exhibited across all of the states in the U.S. These statistics are updated annually by Woods & Poole. Leidos will monitor Woods and Poole publications on this topic and update the statistics for use in future iterations of the Load Forecast, as appropriate.

The ranges of forecasts shown in Appendices E and F imply that the load projections of the individual Participants exhibit different levels of sensitivity to variation in the driving variables. This is due to differences in: (i) the responsiveness of the energy requirements of the Participants to changes in the input assumptions and (ii) the

percentage of the total Participant sales that certain large customers comprise of various Participants' total loads. These large customers' energy sales were forecasted separately based on information provided by the Participants or FMPA staff, and such forecasts were assumed to be independent of changes in the local economy and, in some cases, weather. Although this assumption is somewhat simplified, it does illustrate that the energy requirements of some of the Participants are very dependent on a few large customers.

## Weather Uncertainty

In addition to the Base Case forecast, which relies on normal weather conditions, we have developed high and low forecasts, referred to herein as the Severe and Mild Weather cases, intended to capture the volatility resulting from weather variations equivalent to 90% of potential occurrences. Accordingly, load variations due to weather should be outside the resulting "band" between the Mild and Severe weather cases less than 1 out of 10 years.

The potential weather variability was developed using weather data specific to each weather station generally over the period 1971-2015. These weather volatility statistics are only updated periodically, as they tend to be fairly stable over sufficiently long periods of time. It is anticipated that these weather volatility statistics will be updated as deemed appropriate for future iterations of the Forecast.

The scenarios are intended to represent the range of potential weather experienced in the summer and winter seasons, encompassing June through September and December through February, respectively. These weather scenarios simultaneously reflect more and less severe weather conditions in both seasons, although this is less likely to happen than severe conditions in one season or the other. This was done to support specific power supply analyses to be prepared by FMPA staff. It should be recognized that for other purposes, annual NEL may be somewhat less volatile than the annual NEL variation shown in the appendices.

Finally, the weather assumptions reflect that the variability of seasonal weather among the weather stations is perfectly correlated. While this is not generally the case in continuous data, the correlation increases dramatically at the extremes. In other words, the years of extreme weather, mild or severe, tend to be widespread.

Figure 4-9 below depicts the forecast of summer CP demand resulting from the Severe and Mild Weather Cases as compared to historical and weather-normalized data and the Base Case for the Current Participants. The weather scenarios result in bands of uncertainty around the Base Case that are essentially constant through time, so that the projected growth rate is the same as the Base Case. The differential between the Severe Case and Base Case is somewhat larger than between the Mild Case and Base Case as a result of a somewhat non-linear response of load to weather.

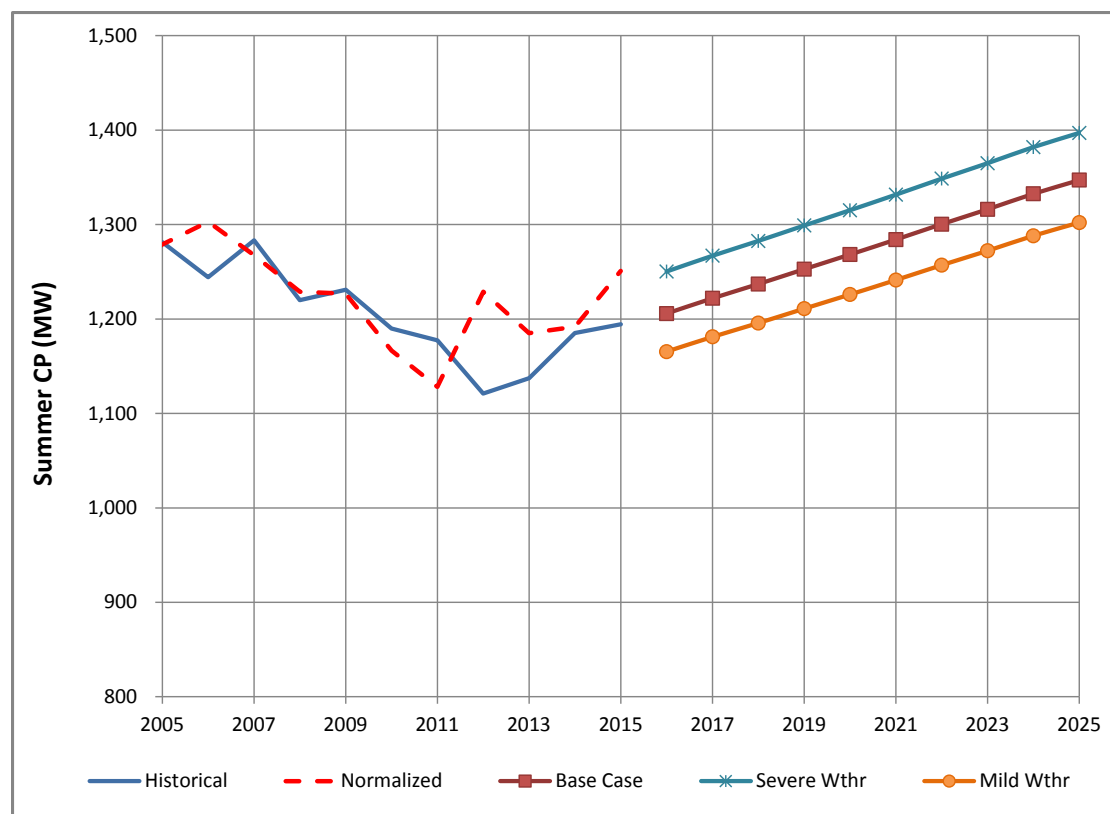


Figure 4-9: Weather-related Uncertainty in Summer CP Demand – Current Participants

Net energy for load for the summer season in any particular year in the Severe Case was higher than the Base Case by 4.3% and lower in the Mild Case by 4.0%. Winter NEL was higher in the Severe Case by 7.8% and lower in the Mild Case by 6.6% than the Base Case results. The band around winter NEL is larger than the summer NEL primarily because the uncertainty of winter weather is greater than for the summer.

It should be noted that these weather scenarios are focused on specific seasons, in total, rather than individual months. NEL in any *particular* month may be more volatile than shown herein, and the off-peak months, which sometimes exhibit weather conditions more like peak months, may also be more volatile than the winter or summer seasons. In addition, because of the methodology that derives peak demand from NEL via constant load factor assumptions, annual summer and winter peak demand may be somewhat more volatile with respect to weather than shown herein.

Detailed forecast results by ARP Participant for these scenarios are shown in Appendix D.



## Section 5

# CONCLUSIONS AND RECOMMENDATIONS

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Forecasting the direction of the nation's economy is no easy task. Population growth is fairly predictable, but migration rates are highly uncertain and subject to volatile geopolitical pressures. The pace of economic activity is also highly uncertain. At a regional level, the uncertainty of future population and economic growth increases dramatically, both due to increased migration volatility and the focus on a smaller number of economic agents (residents, businesses, industries, etc). In addition, the recent emergence of distributed energy resources and a renewed emphasis on conservation have also had varied levels of impact on utility loads across the country. It is in this environment that forecasts of the power requirements of the ARP Participants must be developed.

It is important to recognize that no forecast will prove to be perfectly accurate once projected periods become history. The 2016 Load Forecast is no exception. It can only be as accurate as the numerous assumptions and data sources it relies on are, or later prove to be. The econometric equations on which the Forecast is based demonstrate that energy consumption is driven by population, economic forces, and weather in fairly predictable ways. However, these drivers are anything but predictable. Many of these will deviate from the projections shown herein only briefly or in volatile ways but will maintain the trend over the long term; certain others may deviate in a way that suggests a somewhat different trend altogether.

Accordingly, a forecast must be viewed as a guide only, and plans for large capital expenditures, which are based on such forecasts, made with care and with an allowance for flexibility.

The national economy is only just recovering from a historically deep and long recession. Florida, in particular, has been one of the epicenters of the housing crisis, resulting in a significant downturn in the local economies that drive the load growth of FMPA. FMPA must stay abreast of economic developments and projections for the region and be even more flexible and proactive in its planning efforts. Accordingly, FMPA has a process in place to periodically review updated economic projections, system loads, and retail customer data, and performs periodic analyses during the year to provide an updated view on forecasted loads as input to on-going planning activities. Given current circumstances, this forecast should be re-visited at least annually until conditions warrant otherwise.

Appendix A  
TOTAL ALL REQUIREMENTS PROJECT

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FMPA 2016 Load Forecast - Base Case  
**Total Agency - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	7,203,740	-	7,156,396	-	-0.7%	1,401.3	-	1,319.2	-	-5.9%	1,477.7	-	1,535.6		3.9%
	2007	7,209,394	0.1%	7,187,165	0.4%	-0.3%	1,202.3	-14.2%	1,294.3	-1.9%	7.7%	1,521.2	2.9%	1,506.5	-1.9%	-1.0%
	2008	7,091,611	-1.6%	7,066,648	-1.7%	-0.4%	1,330.2	10.6%	1,326.6	2.5%	-0.3%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,815,289	-3.6%	-0.5%	1,418.5	6.6%	1,305.0	-1.6%	-8.0%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,166,608	-9.5%	-4.7%	1,412.0	-0.5%	1,188.1	-9.0%	-15.9%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,915,358	-4.1%	-3.8%	1,258.3	-10.9%	1,237.6	4.2%	-1.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,937,619	0.4%	0.4%	1,096.7	-12.8%	1,089.3	-12.0%	-0.7%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,930,152	-0.1%	0.3%	1,009.9	-7.9%	1,029.5	-5.5%	1.9%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,149	-4.6%	-1.4%	996.9	-1.3%	1,113.4	8.1%	11.7%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,634,802	-0.4%	-2.5%	1,128.5	13.2%	1,050.8	-5.6%	-6.9%	1,194.4	0.8%	1,250.8	4.9%	4.7%
Projected	2016	5,781,530	0.1%	5,781,530	2.6%		1,069.6	-5.2%	1,069.6	1.8%		1,205.8	1.0%	1,205.8	-3.6%	
	2017			5,862,578	1.4%				1,083.8	1.3%				1,221.9	1.3%	
	2018			5,933,288	1.2%				1,097.4	1.3%				1,237.0	1.2%	
	2019			6,006,754	1.2%				1,111.4	1.3%				1,252.7	1.3%	
	2020			6,077,646	1.2%				1,125.2	1.2%				1,268.3	1.2%	
	2021			6,148,894	1.2%				1,139.0	1.2%				1,284.1	1.2%	
	2022			6,226,020	1.3%				1,153.2	1.3%				1,300.4	1.3%	
	2023			6,300,101	1.2%				1,167.0	1.2%				1,316.1	1.2%	
	2024			6,376,946	1.2%				1,181.3	1.2%				1,332.5	1.2%	
	2025			6,444,782	1.1%				1,193.9	1.1%				1,347.0	1.1%	
	2026			6,516,478	1.1%				1,207.3	1.1%				1,362.3	1.1%	
	2027			6,588,183	1.1%				1,220.6	1.1%				1,377.6	1.1%	
	2028			6,663,811	1.1%				1,234.7	1.2%				1,393.7	1.2%	
	2029			6,728,803	1.0%				1,246.7	1.0%				1,407.5	1.0%	
	2030			6,796,553	1.0%				1,259.3	1.0%				1,421.8	1.0%	
	2031			6,860,620	0.9%				1,271.3	1.0%				1,435.4	1.0%	
	2032			6,930,006	1.0%				1,284.5	1.0%				1,450.4	1.0%	
	2033			6,991,513	0.9%				1,296.1	0.9%				1,463.7	0.9%	
	2034			7,057,992	1.0%				1,308.6	1.0%				1,477.9	1.0%	
	2035			7,124,196	0.9%				1,321.1	1.0%				1,492.1	1.0%	
CAGR <sup>[3]</sup>	2006-2015		-2.4%		-2.6%			-2.4%		-2.5%			-2.3%		-2.3%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 27.61 MW beginning Jan-20

**FMPA 2016 Load Forecast - Base Case**  
**Total Agency - Supplied**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	7,203,740	-	7,203,740	-	1,421.0	1,505.3	1,421.0	1,505.3	1,401.3	1,477.7	1,401.3	1,477.7
	2007	7,209,394	0.1%	7,209,394	0.1%	1,315.1	1,546.9	1,315.1	1,546.9	1,202.3	1,521.2	1,202.3	1,521.2
	2008	7,091,611	-1.6%	7,091,611	-1.6%	1,353.3	1,474.9	1,353.3	1,474.9	1,330.2	1,450.1	1,330.2	1,450.1
	2009	6,847,285	-3.4%	6,847,285	-3.4%	1,462.1	1,495.8	1,462.1	1,495.8	1,418.5	1,481.7	1,418.5	1,481.7
	2010	6,469,062	-5.5%	6,469,062	-5.5%	1,426.5	1,304.9	1,426.5	1,304.9	1,412.0	1,272.1	1,412.0	1,272.1
	2011	6,147,277	-5.0%	6,147,277	-5.0%	1,293.0	1,300.2	1,293.0	1,300.2	1,258.3	1,258.2	1,258.3	1,258.2
	2012	5,914,360	-3.8%	5,914,360	-3.8%	1,119.9	1,250.8	1,119.9	1,250.8	1,096.7	1,203.3	1,096.7	1,203.3
	2013	5,914,988	0.0%	5,914,988	0.0%	1,072.3	1,258.0	1,072.3	1,258.0	1,009.9	1,222.0	1,009.9	1,222.0
	2014	5,733,592	-3.1%	5,733,592	-3.1%	1,071.5	1,216.5	1,071.5	1,216.5	996.9	1,185.1	996.9	1,185.1
	2015	5,777,052	0.8%	5,640,031	-1.6%	1,149.5	1,229.4	1,136.4	1,205.2	1,128.5	1,194.4	1,087.6	1,176.1
Projected	2016	5,781,530	0.1%	5,740,035	1.8%	1,126.8	1,235.8	1,155.2	1,225.3	1,069.6	1,205.8	1,105.7	1,195.8
	2017	5,862,578	1.4%	5,820,779	1.4%	1,141.7	1,252.2	1,172.0	1,243.0	1,083.8	1,221.9	1,121.9	1,213.2
	2018	5,933,288	1.2%	5,913,069	1.6%	1,155.8	1,267.6	1,191.1	1,263.2	1,097.4	1,237.0	1,140.4	1,233.0
	2019	6,006,754	1.2%	6,007,077	1.6%	1,170.3	1,283.7	1,210.1	1,283.5	1,111.4	1,252.7	1,158.8	1,252.8
	2020	6,077,646	1.2%	6,102,637	1.6%	1,184.8	1,299.5	1,229.5	1,304.1	1,125.2	1,268.3	1,177.6	1,273.1
	2021	6,148,894	1.2%	6,188,264	1.4%	1,199.1	1,315.6	1,247.0	1,322.6	1,139.0	1,284.1	1,194.4	1,291.2
	2022	6,226,020	1.3%	6,277,428	1.4%	1,214.0	1,332.2	1,265.2	1,341.9	1,153.2	1,300.4	1,212.0	1,310.1
	2023	6,300,101	1.2%	6,366,974	1.4%	1,228.3	1,348.2	1,283.6	1,361.4	1,167.0	1,316.1	1,229.9	1,329.2
	2024	6,376,946	1.2%	6,462,135	1.5%	1,243.2	1,364.9	1,303.1	1,382.0	1,181.3	1,332.5	1,248.7	1,349.5
	2025	6,444,782	1.1%	6,548,505	1.3%	1,256.3	1,379.6	1,320.8	1,400.7	1,193.9	1,347.0	1,265.8	1,367.8
	2026	6,516,478	1.1%	6,639,037	1.4%	1,270.3	1,395.2	1,339.3	1,420.4	1,207.3	1,362.3	1,283.7	1,387.0
	2027	6,588,183	1.1%	6,728,493	1.3%	1,284.2	1,410.7	1,357.4	1,439.6	1,220.6	1,377.6	1,301.2	1,405.9
	2028	6,663,811	1.1%	6,820,642	1.4%	1,298.8	1,427.1	1,376.2	1,459.6	1,234.7	1,393.7	1,319.4	1,425.5
	2029	6,728,803	1.0%	6,902,154	1.2%	1,311.4	1,441.2	1,392.8	1,477.2	1,246.7	1,407.5	1,335.5	1,442.7
	2030	6,796,553	1.0%	6,986,661	1.2%	1,324.4	1,455.7	1,410.0	1,495.5	1,259.3	1,421.8	1,352.2	1,460.7
	2031	6,860,620	0.9%	7,070,210	1.2%	1,336.9	1,469.6	1,427.2	1,513.7	1,271.3	1,435.4	1,368.8	1,478.5
	2032	6,930,006	1.0%	7,158,805	1.3%	1,350.6	1,484.8	1,445.3	1,533.0	1,284.5	1,450.4	1,386.4	1,497.5
	2033	6,991,513	0.9%	7,237,271	1.1%	1,362.7	1,498.3	1,461.5	1,550.1	1,296.1	1,463.7	1,402.1	1,514.2
	2034	7,057,992	1.0%	7,321,779	1.2%	1,375.7	1,512.7	1,478.9	1,568.6	1,308.6	1,477.9	1,418.9	1,532.3
	2035	7,124,196	0.9%			1,388.7	1,527.2			1,321.1	1,492.1		
CAGR <sup>[1]</sup>	Historical		-2.4%		-2.8%	-2.3%	-2.2%	-3.5%	-2.6%	-0.8%	-3.0%	-2.6%	-3.5%
	1st 10 Prj Yrs		1.2%		1.5%	1.2%	1.2%	1.5%	1.5%	1.2%	1.2%	1.5%	1.5%
	2nd 10 Prj Yrs		1.0%		1.2%	1.0%	1.0%	1.3%	1.3%	1.0%	1.0%	1.3%	1.3%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Total Agency - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	523,642	491,437	514,859	560,031	636,340	683,902	737,848	759,636	674,751	603,361	502,247	522,974	7,211,027	7,203,740
	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,907	7,245,590	7,209,394
	2008	529,762	492,675	514,392	530,459	640,853	675,912	686,935	695,491	660,355	566,772	477,857	494,091	6,965,553	7,091,611
	2009	528,264	473,740	494,601	506,423	600,300	673,873	686,248	700,872	644,244	610,589	471,274	503,282	6,893,710	6,847,285
	2010	535,543	445,540	426,447	423,972	563,025	623,703	645,916	637,838	581,933	481,779	408,321	524,963	6,298,980	6,469,062
	2011	461,335	393,793	424,620	488,193	537,767	588,106	623,766	644,115	570,519	460,766	410,067	418,993	6,022,040	6,147,277
	2012	438,988	405,060	451,583	458,392	543,656	545,599	623,149	603,756	554,351	504,602	398,605	435,593	5,963,334	5,914,360
	2013	428,865	400,438	432,242	463,445	507,457	573,259	581,975	626,296	562,210	516,187	427,182	440,420	5,959,977	5,914,988
	2014	458,798	376,082	396,665	423,785	497,285	521,770	571,164	591,892	512,362	461,946	387,082	412,653	5,611,484	5,733,592
	2015	423,859	391,814	433,884	469,172	526,875	564,009	585,493	583,880	536,385	475,651	399,809	438,656	5,829,486	5,777,052
Projected	2016	447,956	394,095	413,874	435,351	495,920	550,132	593,365	602,042	534,679	480,223	408,456	446,139	5,802,233	5,781,530
	2017	455,115	397,261	421,027	441,481	503,447	557,565	600,861	609,994	541,008	486,150	413,525	451,674	5,879,108	5,862,578
	2018	460,651	402,026	425,900	446,606	509,425	564,070	608,063	617,508	547,690	492,161	418,632	457,271	5,950,003	5,933,288
	2019	466,366	406,971	431,109	452,047	515,731	571,049	615,622	625,241	554,554	498,332	423,851	463,024	6,023,897	6,006,754
	2020	471,229	415,391	435,370	456,625	521,197	577,281	622,443	632,235	560,667	503,722	428,221	467,925	6,092,306	6,077,646
	2021	477,314	416,464	440,996	462,462	527,980	584,803	630,577	640,495	567,936	510,213	433,629	473,847	6,166,715	6,148,894
	2022	483,357	421,685	446,496	468,156	534,592	592,116	638,470	648,497	574,963	516,480	438,838	479,541	6,243,191	6,226,020
	2023	489,154	426,694	451,783	473,625	540,939	599,129	646,034	656,171	581,712	522,510	443,873	485,067	6,316,691	6,300,101
	2024	494,781	436,085	456,932	478,965	547,147	606,005	653,467	663,734	588,380	528,484	448,869	490,561	6,393,411	6,376,946
	2025	500,386	436,433	462,113	484,334	553,392	612,916	660,929	671,314	595,050	534,445	453,840	496,010	6,461,162	6,444,782
Projected	2026	505,944	441,250	467,214	489,629	559,557	619,749	668,317	678,837	601,686	540,396	458,820	501,484	6,532,884	6,516,478
	2027	511,519	446,083	472,338	494,945	565,730	626,579	675,684	686,324	608,281	546,300	463,760	506,904	6,604,446	6,588,183
	2028	517,034	455,665	477,394	500,192	571,817	633,315	682,948	693,704	614,778	552,110	468,615	512,228	6,679,801	6,663,811
	2029	522,447	455,554	482,394	505,373	577,827	639,965	690,118	700,986	621,187	557,837	473,406	517,487	6,744,580	6,728,803
	2030	527,789	460,160	487,251	510,390	583,635	646,370	696,997	707,947	627,283	563,257	477,922	522,422	6,811,424	6,796,553
	2031	532,788	464,477	491,824	515,125	589,125	652,437	703,527	714,586	633,130	568,492	482,330	527,281	6,875,122	6,860,620
	2032	537,736	473,838	496,395	519,886	594,679	658,605	710,203	721,404	639,157	573,906	486,886	532,307	6,945,002	6,930,006
	2033	542,861	473,230	501,155	524,826	600,445	664,997	717,113	728,437	645,349	579,440	491,515	537,388	7,006,756	6,991,513
	2034	548,040	477,707	505,883	529,724	606,157	671,326	723,950	735,392	651,470	584,908	496,088	542,411	7,073,056	7,057,992
	2035	553,173	482,154	510,593	534,607	611,860	677,653	730,792	742,357	657,601	584,225	494,974	541,304	7,121,292	7,124,196

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.1%	7.8%	8.8%	9.5%	10.2%	10.5%	9.4%	8.4%	7.0%	7.3%	100.0%
	2007	7.4%	6.8%	7.2%	7.3%	8.4%	9.3%	10.2%	10.9%	9.4%	9.0%	6.8%	7.2%	100.0%
	2008	7.6%	7.1%	7.4%	7.6%	9.2%	9.7%	9.9%	10.0%	9.5%	8.1%	6.9%	7.1%	100.0%
	2009	7.7%	6.9%	7.2%	7.3%	8.7%	9.8%	10.0%	10.2%	9.3%	8.9%	6.8%	7.3%	100.0%
	2010	8.5%	7.1%	6.8%	6.7%	8.9%	9.9%	10.3%	10.1%	9.2%	7.6%	6.5%	8.3%	100.0%
	2011	7.7%	6.5%	7.1%	8.1%	8.9%	9.8%	10.4%	10.7%	9.5%	7.7%	6.8%	7.0%	100.0%
	2012	7.4%	6.8%	7.6%	7.7%	9.1%	9.1%	10.4%	10.1%	9.3%	8.5%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.3%	7.8%	8.5%	9.6%	9.8%	10.5%	9.4%	8.7%	7.2%	7.4%	100.0%
	2014	8.2%	6.7%	7.1%	7.6%	8.9%	9.3%	10.2%	10.5%	9.1%	8.2%	6.9%	7.4%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	9.0%	9.7%	10.0%	10.0%	9.2%	8.2%	6.9%	7.5%	100.0%
Projected	2016	7.7%	6.8%	7.1%	7.5%	8.5%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2017	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2018	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2019	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2020	7.7%	6.8%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2021	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2022	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2023	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2024	7.7%	6.8%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2025	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.9%	9.6%	10.1%	10.4%	9.3%	8.3%	6.8%	7.4%	100.0%
	2016-2025	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Base Case**  
**Total Agency - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,175.3	1,421.0	1,072.5	1,285.4	1,358.6	1,425.0	1,477.0	1,505.3	1,408.3	1,307.7	1,084.7	1,081.7	1,421.0	1,505.3
	2007	1,223.5	1,315.1	1,117.2	1,245.1	1,262.8	1,416.5	1,498.9	1,546.9	1,443.1	1,348.5	1,067.5	1,072.9	1,315.1	1,546.9
	2008	1,353.3	1,137.6	1,063.8	1,124.1	1,329.8	1,443.8	1,431.4	1,474.9	1,377.9	1,206.7	1,107.4	1,079.2	1,353.3	1,474.9
	2009	1,422.6	1,462.1	1,116.5	1,090.0	1,291.3	1,495.8	1,410.4	1,417.7	1,329.3	1,350.2	1,067.5	1,063.0	1,462.1	1,495.8
	2010	1,426.5	1,090.8	1,020.7	884.5	1,146.9	1,304.9	1,290.8	1,290.7	1,235.1	1,078.0	913.8	1,293.0	1,426.5	1,304.9
	2011	1,186.7	959.1	878.6	1,100.6	1,154.6	1,267.6	1,263.5	1,300.2	1,185.3	1,007.2	881.6	829.5	1,293.0	1,300.2
	2012	1,119.9	1,086.3	905.9	1,036.2	1,147.8	1,221.4	1,250.8	1,236.0	1,189.0	1,114.0	846.1	913.6	1,119.9	1,250.8
	2013	886.9	1,072.3	1,069.8	1,006.7	1,099.7	1,228.1	1,212.8	1,258.0	1,208.7	1,107.3	953.6	903.5	1,072.3	1,258.0
	2014	1,071.5	922.0	817.8	1,005.3	1,075.0	1,134.0	1,176.1	1,216.5	1,157.3	1,034.7	961.8	879.0	1,071.5	1,216.5
	2015	927.9	1,149.5	907.0	1,016.2	1,131.0	1,229.4	1,199.5	1,215.3	1,170.4	1,047.4	853.4	875.1	1,149.5	1,229.4
Projected	2016	1,126.8	1,080.1	887.8	956.5	1,101.0	1,198.3	1,206.4	1,235.8	1,155.2	1,048.4	859.3	886.7	1,126.8	1,235.8
	2017	1,141.7	1,094.4	899.6	969.2	1,115.6	1,214.2	1,222.4	1,252.2	1,170.6	1,062.4	870.5	897.4	1,141.7	1,252.2
	2018	1,155.8	1,107.7	910.4	981.0	1,129.3	1,229.2	1,237.4	1,267.6	1,185.0	1,075.4	881.1	908.5	1,155.8	1,267.6
	2019	1,170.3	1,121.5	921.7	993.3	1,143.5	1,244.7	1,253.0	1,283.7	1,199.9	1,089.0	892.9	920.8	1,170.3	1,283.7
	2020	1,184.8	1,134.2	932.4	1,005.2	1,157.4	1,260.0	1,268.3	1,299.5	1,214.6	1,102.2	902.1	930.1	1,184.8	1,299.5
	2021	1,199.1	1,147.8	943.7	1,017.6	1,171.8	1,275.6	1,284.0	1,315.6	1,229.7	1,115.9	913.4	941.4	1,199.1	1,315.6
	2022	1,214.0	1,161.8	955.3	1,030.4	1,186.5	1,291.6	1,300.2	1,332.2	1,245.2	1,130.0	924.2	952.3	1,214.0	1,332.2
	2023	1,228.3	1,175.2	966.4	1,042.7	1,200.7	1,307.0	1,315.7	1,348.2	1,260.1	1,143.6	935.4	963.6	1,228.3	1,348.2
	2024	1,243.2	1,189.1	978.1	1,055.6	1,215.5	1,323.2	1,331.9	1,364.9	1,275.7	1,157.8	945.2	973.5	1,243.2	1,364.9
	2025	1,256.3	1,201.5	988.4	1,067.0	1,228.6	1,337.4	1,346.2	1,379.6	1,289.5	1,170.3	955.6	984.1	1,256.3	1,379.6
Projected	2026	1,270.3	1,214.5	999.3	1,079.0	1,242.4	1,352.5	1,361.4	1,395.2	1,304.0	1,183.5	965.9	994.7	1,270.3	1,395.2
	2027	1,284.2	1,227.6	1,010.2	1,091.0	1,256.3	1,367.5	1,376.5	1,410.7	1,318.5	1,196.7	976.9	1,005.8	1,284.2	1,410.7
	2028	1,298.8	1,241.3	1,021.6	1,103.6	1,270.8	1,383.4	1,392.4	1,427.1	1,333.8	1,210.6	986.4	1,015.3	1,298.8	1,427.1
	2029	1,311.4	1,253.2	1,031.5	1,114.4	1,283.3	1,397.0	1,406.1	1,441.2	1,347.0	1,222.6	996.2	1,025.2	1,311.4	1,441.2
	2030	1,324.4	1,265.5	1,041.7	1,125.6	1,296.2	1,411.0	1,420.2	1,455.7	1,360.6	1,234.9	1,005.5	1,034.7	1,324.4	1,455.7
	2031	1,336.9	1,277.2	1,051.4	1,136.3	1,308.5	1,424.4	1,433.7	1,469.6	1,373.5	1,246.7	1,015.8	1,045.1	1,336.9	1,469.6
	2032	1,350.6	1,290.1	1,062.0	1,148.0	1,322.0	1,439.2	1,448.5	1,484.8	1,387.7	1,259.6	1,024.7	1,054.2	1,350.6	1,484.8
	2033	1,362.7	1,301.5	1,071.4	1,158.4	1,334.0	1,452.2	1,461.6	1,498.3	1,400.3	1,271.0	1,034.5	1,064.0	1,362.7	1,498.3
	2034	1,375.7	1,313.7	1,081.5	1,169.5	1,346.8	1,466.2	1,475.6	1,512.7	1,413.8	1,283.3	1,044.1	1,073.8	1,375.7	1,512.7
	2035	1,388.7	1,325.9	1,091.6	1,180.6	1,359.6	1,480.2	1,489.7	1,527.2	1,427.3	1,281.1	1,042.8	1,071.0	1,388.7	1,527.2

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.5%	64.6%	67.2%		
	2006	59.9%	51.5%	64.5%	58.6%	69.7%	64.5%	69.4%	67.8%	66.5%	62.0%	62.2%	67.1%	57.9%	54.7%
	2007	58.9%	55.5%	63.1%	57.4%	72.1%	63.7%	68.3%	68.9%	65.9%	65.0%	62.0%	67.3%	62.9%	53.5%
	2008	52.6%	62.2%	65.0%	63.4%	71.7%	62.9%	66.7%	63.4%	66.6%	63.1%	58.0%	63.6%	58.8%	53.9%
	2009	49.9%	48.2%	59.5%	62.4%	69.2%	60.6%	67.6%	66.4%	67.3%	60.8%	59.3%	65.8%	53.8%	52.6%
	2010	50.5%	60.8%	56.2%	64.4%	73.0%	64.2%	69.5%	66.4%	65.4%	60.1%	60.1%	56.4%	50.4%	55.1%
	2011	52.3%	61.1%	65.0%	59.6%	69.3%	62.4%	68.6%	66.6%	66.8%	61.5%	62.5%	70.2%	53.2%	52.9%
	2012	52.7%	53.6%	67.0%	59.5%	70.5%	60.0%	69.2%	65.7%	64.8%	60.9%	63.3%	66.2%	60.8%	54.4%
	2013	65.0%	55.6%	54.3%	61.9%	68.7%	62.7%	66.6%	66.9%	64.6%	62.7%	60.2%	67.7%	63.4%	54.1%
	2014	57.6%	60.7%	65.2%	56.7%	68.8%	61.8%	67.4%	65.4%	61.5%	60.0%	54.1%	65.2%	59.8%	52.7%
	2015	61.4%	50.7%	64.3%	62.1%	69.3%	61.7%	67.8%	64.6%	63.7%	61.0%	63.0%	69.6%	57.9%	54.1%
Projected	2016	53.4%	52.4%	62.7%	61.2%	67.0%	61.7%	68.3%	65.5%	64.3%	61.6%	63.9%	69.9%	58.8%	53.6%
	2017	53.6%	54.0%	62.9%	61.2%	67.2%	61.7%	68.3%	65.5%	64.2%	61.5%	63.8%	69.9%	58.8%	53.6%
	2018	53.6%	54.0%	62.9%	61.2%	67.1%	61.7%	68.2%	65.5%	64.2%	61.5%	63.9%	69.9%	58.8%	53.6%
	2019	53.6%	54.0%	62.9%	61.2%	67.1%	61.7%	68.2%	65.5%	64.2%	61.5%	63.8%	69.8%	58.8%	53.6%
	2020	53.5%	52.6%	62.8%	61.1%	67.0%	61.6%	68.2%	65.4%	64.1%	61.4%	63.8%	69.9%	58.7%	53.5%
	2021	53.5%	54.0%	62.8%	61.1%	67.1%	61.6%	68.2%	65.4%	64.1%	61.5%	63.8%	69.9%	58.7%	53.5%
	2022	53.5%	54.0%	62.8%	61.1%	67.0%	61.6%	68.2%	65.4%	64.1%	61.4%	63.8%	69.9%	58.7%	53.5%
	2023	53.5%	54.0%	62.8%	61.1%	67.0%	61.6%	68.2%	65.4%	64.1%	61.4%	63.8%	69.9%	58.7%	53.5%
	2024	53.5%	52.7%	62.8%	61.0%	67.0%	61.6%	68.1%	65.4%	64.1%	61.4%	63.8%	70.0%	58.7%	53.5%
	2025	53.5%	54.1%	62.8%	61.0%	67.0%	61.6%	68.2%	65.4%	64.1%	61.4%	63.8%	70.0%	58.7%	53.5%
Avg.	2006-2015	56.1%	56.0%	62.4%	60.6%	70.2%	62.5%	68.1%	66.2%	65.3%	61.7%	60.5%	65.9%	57.9%	53.8%
	2016-2025	53.5%	53.6%	62.8%	61.1%	67.1%	61.6%	68.2%	65.4%	64.2%	61.5%	63.8%	69.9%	58.7%	53.5%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Base Case**  
**Total Agency - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,070.1	1,401.3	1,020.5	1,231.8	1,286.3	1,396.7	1,447.4	1,477.7	1,341.8	1,266.6	998.3	962.0	1,401.3	1,477.7
	2007	1,164.9	1,202.3	996.2	1,127.3	1,245.0	1,365.4	1,465.0	1,521.2	1,415.8	1,295.5	1,026.4	958.1	1,202.3	1,521.2
	2008	1,330.2	1,051.7	1,012.3	1,078.2	1,285.9	1,405.8	1,405.4	1,450.1	1,318.5	1,147.4	1,008.6	1,021.9	1,330.2	1,450.1
	2009	1,406.3	1,418.5	1,059.2	1,030.3	1,270.9	1,481.7	1,350.6	1,380.7	1,292.9	1,324.9	952.9	974.0	1,418.5	1,481.7
	2010	1,412.0	1,053.7	999.7	839.7	1,087.3	1,272.1	1,255.1	1,263.0	1,170.9	1,048.7	844.1	1,258.3	1,412.0	1,272.1
	2011	1,168.7	900.6	807.1	1,067.7	1,112.3	1,239.2	1,214.4	1,258.2	1,124.9	990.4	852.3	750.1	1,258.3	1,258.2
	2012	1,096.7	1,038.9	871.7	993.3	1,091.1	1,146.8	1,203.3	1,188.3	1,143.4	1,087.3	747.0	830.0	1,096.7	1,203.3
	2013	772.0	1,003.2	1,009.9	958.2	1,073.6	1,176.8	1,156.6	1,222.0	1,164.9	1,067.9	906.6	820.2	1,009.9	1,222.0
	2014	996.9	847.6	703.0	998.1	1,051.7	1,106.0	1,125.7	1,185.1	1,092.9	1,015.0	827.7	795.4	996.9	1,185.1
	2015	850.7	1,128.5	856.5	953.8	1,102.4	1,194.4	1,144.2	1,172.3	1,136.9	1,022.3	780.6	812.0	1,128.5	1,194.4
Projected	2016	1,069.6	1,031.4	824.0	922.9	1,069.6	1,166.5	1,162.0	1,205.8	1,116.0	1,023.3	786.1	822.7	1,069.6	1,205.8
	2017	1,083.8	1,045.1	834.9	935.2	1,083.9	1,182.1	1,177.4	1,221.9	1,130.9	1,036.9	796.5	832.9	1,083.8	1,221.9
	2018	1,097.4	1,058.1	845.1	946.7	1,097.2	1,191.9	1,191.9	1,237.0	1,144.8	1,049.7	806.2	843.3	1,097.4	1,237.0
	2019	1,111.4	1,071.5	855.7	958.6	1,111.0	1,211.8	1,206.9	1,252.7	1,159.3	1,062.9	817.2	854.7	1,111.4	1,252.7
	2020	1,125.2	1,084.1	865.6	970.1	1,124.6	1,226.8	1,221.8	1,268.3	1,173.6	1,075.9	825.6	863.4	1,125.2	1,268.3
	2021	1,139.0	1,097.3	876.2	982.2	1,138.5	1,242.1	1,237.0	1,284.1	1,188.2	1,089.3	836.0	874.1	1,139.0	1,284.1
	2022	1,153.2	1,110.8	887.1	994.6	1,152.9	1,257.8	1,252.6	1,300.4	1,203.3	1,103.1	846.0	884.3	1,153.2	1,300.4
	2023	1,167.0	1,123.9	897.6	1,006.6	1,166.8	1,273.0	1,267.7	1,316.1	1,217.7	1,116.4	856.4	894.9	1,167.0	1,316.1
	2024	1,181.3	1,137.5	908.5	1,019.1	1,181.2	1,288.8	1,283.4	1,332.5	1,232.9	1,130.3	865.5	904.3	1,181.3	1,332.5
	2025	1,193.9	1,149.5	918.2	1,030.2	1,194.0	1,302.8	1,297.2	1,347.0	1,246.3	1,142.5	875.1	914.2	1,193.9	1,347.0
Projected	2026	1,207.3	1,162.2	928.5	1,041.8	1,207.5	1,317.6	1,311.9	1,362.3	1,260.4	1,155.5	884.7	924.2	1,207.3	1,362.3
	2027	1,220.6	1,174.8	938.7	1,053.5	1,220.9	1,332.3	1,326.5	1,377.6	1,274.5	1,168.4	894.9	934.6	1,220.6	1,377.6
	2028	1,234.7	1,188.2	949.4	1,065.8	1,235.1	1,347.9	1,341.9	1,393.7	1,289.3	1,182.1	903.6	943.6	1,234.7	1,393.7
	2029	1,246.7	1,199.7	958.7	1,076.3	1,247.3	1,361.2	1,355.2	1,407.5	1,302.1	1,193.8	912.8	952.9	1,246.7	1,407.5
	2030	1,259.3	1,211.7	968.3	1,087.2	1,259.9	1,375.0	1,368.9	1,421.8	1,315.3	1,205.8	921.4	961.8	1,259.3	1,421.8
	2031	1,271.3	1,223.1	977.4	1,097.5	1,271.9	1,388.1	1,381.9	1,435.4	1,327.8	1,217.4	930.9	971.6	1,271.3	1,435.4
	2032	1,284.5	1,235.6	987.4	1,108.9	1,285.1	1,402.6	1,396.3	1,450.4	1,341.7	1,230.0	939.2	980.2	1,284.5	1,450.4
	2033	1,296.1	1,246.8	996.2	1,118.9	1,296.7	1,415.4	1,409.0	1,463.7	1,353.9	1,241.2	948.2	989.5	1,296.1	1,463.7
	2034	1,308.6	1,258.7	1,005.7	1,129.7	1,309.2	1,429.1	1,422.6	1,477.9	1,367.0	1,253.2	957.1	998.8	1,308.6	1,477.9
	2035	1,321.1	1,270.6	1,015.2	1,140.5	1,321.7	1,442.8	1,436.2	1,492.1	1,380.1	1,251.0	956.2	996.7	1,321.1	1,492.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.7%	97.6%	93.1%		
	2006	91.0%	98.6%	95.1%	95.8%	94.7%	98.0%	98.0%	98.2%	95.3%	96.9%	92.0%	88.9%	98.6%	98.2%
	2007	95.2%	91.4%	89.2%	90.5%	98.6%	96.4%	97.7%	98.3%	98.1%	96.1%	96.1%	89.3%	91.4%	98.3%
	2008	98.3%	92.4%	95.2%	95.9%	96.7%	97.4%	98.2%	98.3%	95.7%	95.1%	91.1%	94.7%	98.3%	98.3%
	2009	98.9%	97.0%	94.9%	94.5%	98.4%	99.1%	95.8%	97.4%	97.3%	98.1%	89.3%	91.6%	97.0%	99.1%
	2010	99.0%	96.6%	97.9%	94.9%	94.8%	97.5%	97.2%	97.8%	94.8%	97.3%	92.4%	97.3%	99.0%	97.5%
	2011	98.5%	93.9%	91.9%	97.0%	96.3%	97.8%	96.1%	96.8%	94.9%	98.3%	96.7%	90.4%	97.3%	96.8%
	2012	97.9%	95.6%	96.2%	95.9%	95.1%	93.9%	96.2%	96.1%	96.2%	97.6%	88.3%	90.8%	97.9%	96.2%
	2013	87.0%	93.6%	94.4%	95.2%	97.6%	95.8%	95.4%	97.1%	96.4%	96.4%	95.1%	90.8%	94.2%	97.1%
	2014	93.0%	91.9%	86.0%	99.3%	97.8%	97.5%	95.7%	97.4%	94.4%	98.1%	86.1%	90.5%	93.0%	97.4%
	2015	91.7%	98.2%	94.4%	93.9%	97.5%	97.2%	95.4%	96.5%	97.1%	97.6%	91.5%	92.8%	98.2%	97.2%
Projected	2016	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2017	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2018	95.0%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2019	95.0%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2020	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2021	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2022	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2023	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2024	95.0%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2025	95.0%	95.7%	92.9%	96.6%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2006-2015	95.1%	94.9%	93.5%	95.3%	96.8%	97.0%	96.6%	97.4%	96.0%	97.2%	91.8%	91.7%	96.5%	97.6%
	2016-2025	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Appendix B  
FLORIDA POWER & LIGHT CITIES

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FMPA 2016 Load Forecast - Base Case  
**FP&L Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	3,703,464	-	3,680,394	-	-0.6%	707.5	-	637.1	-	-9.9%	730.4	-	749.7		2.6%
	2007	3,720,003	0.4%	3,683,027	0.1%	-1.0%	588.1	-16.9%	643.2	1.0%	9.4%	750.9	2.8%	746.3	-0.4%	-0.6%
	2008	3,682,412	-1.0%	3,638,648	-1.2%	-1.2%	670.8	14.1%	686.5	6.7%	2.3%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,497,283	-3.9%	-0.6%	709.9	5.8%	645.6	-6.0%	-9.1%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,913,810	-16.7%	-4.3%	631.0	-11.1%	513.0	-20.5%	-18.7%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,705,162	-7.2%	-3.6%	544.4	-13.7%	543.7	6.0%	-0.1%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,722,708	0.6%	0.5%	469.7	-13.7%	479.3	-11.8%	2.1%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,707,919	-0.5%	0.5%	425.0	-9.5%	444.9	-7.2%	4.7%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,104	-11.6%	-1.7%	384.4	-9.5%	431.1	-3.1%	12.1%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,321,378	-3.1%	-1.9%	456.4	18.7%	405.2	-6.0%	-11.2%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,385,190	0.8%	2,385,190	2.7%		403.3	-11.6%	403.3	-0.5%		460.4	3.6%	460.4	-1.4%	
	2017			2,414,733	1.2%				407.7	1.1%				465.5	1.1%	
	2018			2,433,412	0.8%				411.2	0.8%				469.2	0.8%	
	2019			2,453,277	0.8%				414.8	0.9%				473.1	0.8%	
	2020			2,463,943	0.4%				417.0	0.5%				475.2	0.4%	
	2021			2,479,490	0.6%				420.1	0.7%				478.8	0.8%	
	2022			2,497,279	0.7%				423.1	0.7%				482.2	0.7%	
	2023			2,513,717	0.7%				425.9	0.7%				485.3	0.7%	
	2024			2,529,689	0.6%				428.7	0.7%				488.4	0.6%	
	2025			2,545,121	0.6%				431.3	0.6%				491.3	0.6%	
	2026			2,560,721	0.6%				434.0	0.6%				494.4	0.6%	
	2027			2,576,688	0.6%				436.8	0.6%				497.5	0.6%	
	2028			2,593,065	0.6%				439.6	0.6%				500.6	0.6%	
	2029			2,608,813	0.6%				442.2	0.6%				503.6	0.6%	
	2030			2,623,878	0.6%				444.8	0.6%				506.5	0.6%	
	2031			2,637,932	0.5%				447.4	0.6%				509.2	0.5%	
	2032			2,652,328	0.5%				450.0	0.6%				512.1	0.6%	
	2033			2,666,533	0.5%				452.5	0.6%				514.9	0.5%	
	2034			2,680,933	0.5%				455.2	0.6%				517.7	0.5%	
	2035			2,695,137	0.5%				457.8	0.6%				520.5	0.5%	
CAGR <sup>[3]</sup>	2006-2015		-4.9%		-5.0%			-4.8%		-4.9%			-5.4%		-5.1%	
	2016-2025				0.7%					0.7%					0.7%	
	2026-2035				0.6%					0.6%					0.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 27.61 MW beginning Jan-20

**FMPA 2016 Load Forecast - Base Case**  
**FP&L Cities - Supplied**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	3,703,464	-	3,703,464	-	725.9	744.2	725.9	744.2	707.5	730.4	707.5	730.4
	2007	3,720,003	0.4%	3,720,003	0.4%	698.1	768.2	698.1	768.2	588.1	750.9	588.1	750.9
	2008	3,682,412	-1.0%	3,682,412	-1.0%	693.7	737.2	693.7	737.2	670.8	719.7	670.8	719.7
	2009	3,516,717	-4.5%	3,516,717	-4.5%	738.4	740.9	738.4	740.9	709.9	731.3	709.9	731.3
	2010	3,044,869	-13.4%	3,044,869	-13.4%	641.5	567.8	641.5	567.8	631.0	553.1	631.0	553.1
	2011	2,805,902	-7.8%	2,805,902	-7.8%	574.7	568.1	574.7	568.1	544.4	534.8	544.4	534.8
	2012	2,709,712	-3.4%	2,709,712	-3.4%	487.9	552.6	487.9	552.6	469.7	527.2	469.7	527.2
	2013	2,693,753	-0.6%	2,693,753	-0.6%	490.6	541.5	490.6	541.5	425.0	524.0	425.0	524.0
	2014	2,437,324	-9.5%	2,437,324	-9.5%	446.5	475.7	446.5	475.7	384.4	452.1	408.2	452.6
	2015	2,366,430	-2.9%	2,317,947	-4.9%	476.8	478.3	454.5	470.5	456.4	444.3	418.9	451.8
Projected	2016	2,385,190	0.8%	2,349,017	1.3%	462.0	481.0	459.6	475.7	403.3	460.4	423.6	456.8
	2017	2,414,733	1.2%	2,371,630	1.0%	467.1	486.3	464.4	480.4	407.7	465.5	428.0	461.3
	2018	2,433,412	0.8%	2,396,017	1.0%	471.0	490.1	469.5	485.5	411.2	469.2	432.8	466.2
	2019	2,453,277	0.8%	2,420,921	1.0%	475.1	494.2	474.7	490.7	414.8	473.1	437.6	471.1
	2020	2,463,943	0.4%	2,446,390	1.1%	477.0	496.5	480.0	495.9	417.0	475.2	442.6	476.2
	2021	2,479,490	0.6%	2,471,668	1.0%	480.6	500.2	485.2	501.2	420.1	478.8	447.4	481.2
	2022	2,497,279	0.7%	2,496,864	1.0%	484.0	503.7	490.4	506.3	423.1	482.2	452.3	486.1
	2023	2,513,717	0.7%	2,521,807	1.0%	487.2	507.0	495.7	511.5	425.9	485.3	457.2	491.1
	2024	2,529,689	0.6%	2,547,139	1.0%	490.4	510.2	501.0	516.8	428.7	488.4	462.2	496.1
	2025	2,545,121	0.6%	2,571,896	1.0%	493.4	513.3	506.1	521.9	431.3	491.3	467.0	501.0
	2026	2,560,721	0.6%	2,596,477	1.0%	496.5	516.4	511.2	527.0	434.0	494.4	471.7	505.9
	2027	2,576,688	0.6%	2,620,839	0.9%	499.6	519.7	516.2	532.0	436.8	497.5	476.4	510.7
	2028	2,593,065	0.6%	2,644,639	0.9%	502.8	522.9	521.1	536.9	439.6	500.6	481.0	515.4
	2029	2,608,813	0.6%	2,666,851	0.8%	506.0	526.1	525.7	541.4	442.2	503.6	485.3	519.7
	2030	2,623,878	0.6%	2,688,046	0.8%	508.9	529.1	530.2	545.8	444.8	506.5	489.4	523.9
	2031	2,637,932	0.5%	2,708,400	0.8%	511.8	531.9	534.5	550.0	447.4	509.2	493.5	527.9
	2032	2,652,328	0.5%	2,728,908	0.8%	514.7	534.9	538.8	554.3	450.0	512.1	497.6	532.0
	2033	2,666,533	0.5%	2,749,079	0.7%	517.7	537.8	543.1	558.5	452.5	514.9	501.6	536.1
	2034	2,680,933	0.5%	2,769,546	0.7%	520.7	540.7	547.5	562.8	455.2	517.7	505.7	540.2
	2035	2,695,137	0.5%			523.6	543.7			457.8	520.5		
CAGR <sup>[1]</sup>	Historical		-4.9%		-5.1%	-4.6%	-4.8%	-5.9%	-5.4%	-3.1%	-6.4%	-5.1%	-7.0%
	1st 10 Prj Yrs		0.7%		1.0%	0.7%	0.7%	1.1%	1.0%	0.7%	0.7%	1.1%	1.0%
	2nd 10 Prj Yrs		0.6%		0.8%	0.6%	0.6%	0.9%	0.8%	0.6%	0.6%	0.9%	0.8%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**FP&L Cities - Supplied**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	267,425	249,766	266,501	289,289	325,785	353,245	378,834	385,156	347,493	315,940	261,151	270,907	3,711,492	3,703,464
	2007	279,391	249,892	271,428	275,189	315,689	343,085	378,864	404,181	354,285	344,599	256,791	270,984	3,744,378	3,720,003
	2008	272,016	258,524	270,108	275,057	331,465	349,761	353,078	359,363	340,667	296,956	245,657	251,982	3,604,633	3,682,412
	2009	266,814	239,310	254,063	262,868	309,211	340,526	354,152	362,606	332,572	318,362	249,900	260,088	3,550,472	3,516,717
	2010	239,936	196,901	193,987	193,429	255,495	285,396	294,077	290,396	266,902	222,076	188,245	229,044	2,855,884	3,044,869
	2011	209,012	180,449	196,232	225,664	249,124	267,493	286,323	292,471	259,771	216,575	192,071	192,271	2,767,453	2,805,902
	2012	197,794	187,479	206,843	206,993	244,678	252,612	284,965	274,837	252,594	233,692	181,737	197,699	2,721,923	2,709,712
	2013	196,118	182,394	194,421	211,947	230,928	261,547	266,045	283,574	253,653	238,380	200,557	202,386	2,721,950	2,693,753
	2014	187,229	159,573	167,998	174,913	203,678	214,694	235,507	242,749	209,660	191,583	158,846	167,343	2,313,772	2,437,324
	2015	173,824	159,676	177,850	191,364	213,975	229,122	243,920	240,108	218,819	198,887	168,455	177,384	2,393,384	2,366,430
Projected	2016	183,065	162,576	169,620	182,176	202,783	226,004	245,540	246,603	222,096	200,117	171,551	180,757	2,392,889	2,385,190
	2017	186,090	164,957	172,118	184,555	205,183	228,511	247,983	248,884	224,026	201,852	173,068	182,295	2,419,523	2,414,733
	2018	187,669	166,146	173,315	185,853	206,632	230,129	249,786	250,836	225,831	203,459	174,460	183,779	2,437,895	2,433,412
	2019	189,211	167,491	174,707	187,343	208,319	232,027	251,844	252,923	227,715	205,143	175,920	185,343	2,457,986	2,453,277
	2020	189,792	168,125	174,972	187,782	208,895	232,838	252,770	253,865	228,496	205,704	176,251	185,718	2,465,210	2,463,943
	2021	191,259	169,242	176,308	189,207	210,482	234,619	254,689	255,791	230,220	207,232	177,554	187,091	2,483,695	2,479,490
	2022	192,681	170,471	177,560	190,543	211,969	236,289	256,484	257,585	231,819	208,640	178,745	188,334	2,501,120	2,497,279
	2023	193,973	171,590	178,711	191,774	213,345	237,842	258,162	259,271	233,330	209,979	179,887	189,537	2,517,401	2,513,717
	2024	195,225	172,833	179,816	192,956	214,668	239,336	259,775	260,893	234,784	211,266	180,983	190,688	2,533,223	2,529,689
	2025	196,427	173,718	180,916	194,134	215,989	240,832	261,394	262,525	236,249	212,566	182,090	191,852	2,548,693	2,545,121
Projected	2026	197,644	174,778	182,002	195,301	217,298	242,319	263,004	264,152	237,713	213,872	183,204	193,027	2,564,315	2,560,721
	2027	198,873	175,852	183,118	196,502	218,647	243,854	264,670	265,838	239,232	215,227	184,362	194,248	2,580,422	2,576,688
	2028	200,145	177,115	184,253	197,720	220,007	245,398	266,337	267,517	240,736	216,558	185,489	195,427	2,596,702	2,593,065
	2029	201,376	178,023	185,376	198,919	221,350	246,923	267,984	269,174	242,215	217,861	186,596	196,588	2,612,385	2,608,813
	2030	202,585	179,064	186,429	200,040	222,601	248,339	269,506	270,699	243,570	219,048	187,598	197,630	2,627,109	2,623,878
	2031	203,679	180,008	187,401	201,082	223,778	249,683	270,961	272,172	244,892	220,218	188,604	198,695	2,641,173	2,637,932
	2032	204,797	181,130	188,388	202,141	224,976	251,050	272,438	273,665	246,226	221,394	189,610	199,754	2,655,569	2,652,328
	2033	205,908	181,930	189,391	203,213	226,192	252,438	273,938	275,183	247,583	222,587	190,633	200,834	2,669,828	2,666,533
	2034	207,047	182,911	190,383	204,274	227,397	253,816	275,430	276,692	248,930	223,770	191,644	201,898	2,684,191	2,680,933
	2035	208,168	183,875	191,366	205,323	228,586	255,175	276,899	278,177	250,255	218,771	186,942	196,805	2,680,343	2,695,137

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.7%	7.2%	7.8%	8.8%	9.5%	10.2%	10.4%	9.4%	8.5%	7.0%	7.3%	100.0%
	2007	7.5%	6.7%	7.2%	7.3%	8.4%	9.2%	10.1%	10.8%	9.5%	9.2%	6.9%	7.2%	100.0%
	2008	7.5%	7.2%	7.5%	7.6%	9.2%	9.7%	9.8%	10.0%	9.5%	8.2%	6.8%	7.0%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.7%	9.6%	10.0%	10.2%	9.4%	9.0%	7.0%	7.3%	100.0%
	2010	8.4%	6.9%	6.8%	6.8%	8.9%	10.0%	10.3%	10.2%	9.3%	7.8%	6.6%	8.0%	100.0%
	2011	7.6%	6.5%	7.1%	8.2%	9.0%	9.7%	10.3%	10.6%	9.4%	7.8%	6.9%	6.9%	100.0%
	2012	7.3%	6.9%	7.6%	7.6%	9.0%	9.3%	10.5%	10.1%	9.3%	8.6%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.1%	7.8%	8.5%	9.6%	9.8%	10.4%	9.3%	8.8%	7.4%	7.4%	100.0%
	2014	8.1%	6.9%	7.3%	7.6%	8.8%	9.3%	10.2%	10.5%	9.1%	8.3%	6.9%	7.2%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	8.9%	9.6%	10.2%	10.0%	9.1%	8.3%	7.0%	7.4%	100.0%
Projected	2016	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%
	2017	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%
	2018	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%
	2019	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%
	2020	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2021	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2022	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2023	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2024	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.1%	10.3%	9.3%	8.4%	6.9%	7.3%	100.0%
	2016-2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Base Case**  
**FP&L Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	601.1	725.9	571.7	640.3	674.3	708.1	735.5	744.2	715.2	653.6	593.7	574.1	725.9	744.2
	2007	633.8	698.1	588.9	593.6	630.4	704.1	753.0	768.2	713.0	679.8	566.5	564.4	698.1	768.2
	2008	693.7	593.6	553.4	569.5	677.4	715.3	716.9	737.2	693.0	617.0	572.8	543.2	693.7	737.2
	2009	704.7	738.4	576.7	555.4	635.5	740.9	710.2	699.4	670.4	671.7	576.8	552.5	738.4	740.9
	2010	641.5	472.7	455.6	399.4	505.1	567.8	561.2	559.5	537.6	469.9	422.4	574.7	641.5	567.8
	2011	517.1	423.2	411.9	473.5	498.9	542.9	550.9	568.1	523.7	455.1	404.6	375.4	574.7	568.1
	2012	487.9	487.6	399.4	449.5	500.1	545.1	552.6	534.3	512.8	485.9	390.0	430.0	487.9	552.6
	2013	411.5	490.6	480.3	444.2	478.7	540.0	525.0	541.5	525.7	492.0	435.7	413.3	490.6	541.5
	2014	446.5	394.1	349.8	383.9	418.3	445.4	470.8	475.7	458.0	405.6	409.8	354.2	446.5	475.7
	2015	384.0	476.8	356.4	417.3	437.7	471.5	478.3	469.9	455.3	405.7	362.3	364.6	476.8	478.3
Projected	2016	447.4	462.0	368.2	378.9	432.0	467.7	480.7	481.0	451.6	409.1	360.9	368.7	462.0	481.0
	2017	452.3	467.1	372.3	383.1	436.8	472.9	486.1	486.3	456.6	413.6	364.6	371.7	467.1	486.3
	2018	456.0	471.0	375.2	386.0	440.1	476.6	489.8	490.1	460.1	416.8	367.3	374.8	471.0	490.1
	2019	460.0	475.1	378.3	389.1	443.8	480.6	493.9	494.2	463.9	420.2	370.4	378.2	475.1	494.2
	2020	462.5	477.0	379.6	390.6	445.7	482.8	496.2	496.5	466.0	421.9	371.6	379.4	477.0	496.5
	2021	465.9	480.6	382.5	393.6	449.0	486.4	500.0	500.2	469.5	425.1	374.3	382.1	480.6	500.2
	2022	469.2	484.0	385.2	396.3	452.2	489.8	503.5	503.7	472.8	428.1	376.9	384.6	484.0	503.7
	2023	472.4	487.2	387.7	398.9	455.1	493.0	506.8	507.0	475.9	430.8	379.3	387.0	487.2	507.0
	2024	475.4	490.4	390.1	401.4	458.0	496.1	510.0	510.2	478.8	433.5	381.6	389.4	490.4	510.2
	2025	478.3	493.4	392.5	403.8	460.8	499.2	513.1	513.3	481.8	436.2	384.0	391.8	493.4	513.3
Projected	2026	481.3	496.5	395.0	406.3	463.6	502.2	516.3	516.4	484.7	438.9	386.3	394.2	496.5	516.4
	2027	484.3	499.6	397.4	408.8	466.5	505.4	519.5	519.7	487.8	441.6	388.8	396.8	499.6	519.7
	2028	487.4	502.8	400.0	411.4	469.4	508.6	522.8	522.9	490.8	444.4	391.2	399.1	502.8	522.9
	2029	490.3	506.0	402.4	413.9	472.3	511.7	526.0	526.1	493.8	447.1	393.5	401.4	506.0	526.1
	2030	493.2	508.9	404.7	416.2	474.9	514.6	529.0	529.1	496.6	449.6	395.7	403.6	508.9	529.1
	2031	496.0	511.8	406.9	418.5	477.5	517.4	531.9	531.9	499.3	452.0	397.9	405.9	511.8	531.9
	2032	498.8	514.7	409.1	420.7	480.1	520.2	534.8	534.9	502.0	454.5	400.1	408.1	514.7	534.9
	2033	501.6	517.7	411.4	423.0	482.7	523.1	537.8	537.8	504.8	457.0	402.3	410.4	517.7	537.8
	2034	504.5	520.7	413.6	425.3	485.3	525.9	540.7	540.7	507.5	459.4	404.5	412.6	520.7	540.7
	2035	507.3	523.6	415.8	427.5	487.9	528.8	543.7	543.6	510.2	447.4	395.0	401.5	523.6	543.7

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.3%	64.7%	66.6%		
	2006	59.8%	51.2%	62.7%	60.7%	71.9%	67.0%	71.5%	69.6%	67.5%	65.0%	59.1%	65.5%	58.4%	56.9%
	2007	59.3%	53.3%	61.9%	62.3%	74.5%	65.5%	69.9%	70.7%	69.0%	68.1%	60.9%	66.7%	61.2%	55.6%
	2008	52.7%	62.6%	65.6%	64.9%	72.8%	65.7%	68.4%	65.5%	68.3%	64.7%	57.6%	64.4%	59.3%	55.8%
	2009	50.9%	48.2%	59.2%	63.6%	72.4%	61.8%	69.3%	69.7%	68.9%	63.7%	58.2%	65.4%	54.9%	54.7%
	2010	50.3%	62.0%	57.2%	65.1%	75.3%	67.6%	72.8%	69.8%	69.0%	63.5%	59.9%	55.4%	50.8%	57.4%
	2011	54.3%	63.5%	64.0%	64.1%	74.3%	66.2%	72.2%	69.2%	68.9%	64.0%	63.8%	71.1%	55.0%	55.6%
	2012	54.5%	55.2%	69.6%	61.9%	72.8%	62.3%	71.6%	69.1%	68.4%	64.6%	62.6%	63.9%	63.7%	56.2%
	2013	64.1%	55.3%	54.4%	64.1%	71.8%	65.1%	70.4%	70.4%	67.0%	65.1%	61.9%	68.0%	63.3%	57.4%
	2014	56.4%	60.2%	64.6%	61.2%	72.5%	64.8%	69.5%	68.6%	63.6%	63.5%	52.1%	65.6%	59.1%	55.5%
	2015	60.8%	49.8%	67.1%	61.6%	72.7%	65.3%	70.8%	68.7%	66.8%	65.9%	62.5%	67.6%	57.3%	57.1%
Projected	2016	55.0%	50.6%	61.9%	64.6%	69.9%	64.9%	70.9%	68.9%	68.3%	65.8%	63.9%	68.1%	59.1%	56.8%
	2017	55.3%	52.6%	62.1%	64.8%	69.9%	64.9%	70.9%	68.8%	68.2%	65.6%	63.8%	68.1%	59.1%	56.8%
	2018	55.3%	52.5%	62.1%	64.7%	69.9%	64.9%	70.8%	68.8%	68.2%	65.6%	63.8%	68.1%	59.1%	56.8%
	2019	55.3%	52.5%	62.1%	64.7%	69.9%	64.9%	70.8%	68.8%	68.2%	65.6%	63.8%	68.1%	59.1%	56.8%
	2020	55.2%	50.6%	61.9%	64.6%	69.7%	64.8%	70.7%	68.7%	68.1%	65.5%	63.8%	68.0%	59.0%	56.7%
	2021	55.2%	52.4%	62.0%	64.6%	69.8%	64.8%	70.7%	68.7%	68.1%	65.5%	63.8%	68.0%	59.0%	56.7%
	2022	55.2%	52.4%	62.0%	64.6%	69.8%	64.8%	70.7%	68.7%	68.1%	65.5%	63.7%	68.0%	59.0%	56.7%
	2023	55.2%	52.4%	62.0%	64.6%	69.8%	64.8%	70.7%	68.7%	68.1%	65.5%	63.7%	68.0%	59.0%	56.7%
	2024	55.2%	50.6%	61.9%	64.6%	69.8%	64.8%	70.7%	68.7%	68.1%	65.5%	63.7%	68.0%	59.0%	56.7%
	2025	55.2%	52.4%	61.9%	64.6%	69.8%	64.8%	70.8%	68.7%	68.1%	65.5%	63.7%	68.0%	59.0%	56.7%
Avg.	2006-2015	56.3%	56.1%	62.6%	63.0%	73.1%	65.1%	70.6%	69.1%	67.7%	64.8%	59.9%	65.4%	58.3%	56.2%
	2016-2025	55.2%	51.9%	62.0%	64.7%	69.8%	64.9%	70.8%	68.8%	68.1%	65.6%	63.8%	68.0%	59.0%	56.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Base Case  
**FP&L Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	532.2	707.5	539.6	590.8	649.4	690.5	708.8	730.4	666.9	618.4	532.4	509.7	707.5	730.4
	2007	575.4	588.1	493.9	557.4	619.2	661.7	728.0	750.9	697.5	636.2	542.6	492.1	588.1	750.9
	2008	670.8	508.5	515.3	537.1	660.7	686.2	692.0	719.7	650.8	567.0	512.5	486.3	670.8	719.7
	2009	689.0	709.9	523.0	497.1	616.7	731.3	676.0	673.7	643.7	658.7	507.7	469.9	709.9	731.3
	2010	631.0	449.9	436.3	363.4	455.8	553.1	547.2	552.7	507.9	461.0	385.5	544.4	631.0	553.1
	2011	500.8	365.5	374.8	458.0	465.0	519.7	523.8	534.8	472.2	443.3	385.4	340.4	544.4	534.8
	2012	469.7	440.5	381.5	430.4	470.5	487.5	527.2	502.8	475.1	467.8	343.0	349.1	469.7	527.2
	2013	321.0	423.2	425.0	423.2	466.1	515.3	478.7	524.0	503.5	465.1	408.2	370.8	425.0	524.0
	2014	384.4	331.5	304.0	378.9	404.1	424.2	452.6	452.1	412.6	392.8	322.8	308.9	384.4	452.1
	2015	319.7	456.4	333.9	368.4	434.7	444.3	450.7	438.2	446.2	390.9	319.2	327.8	456.4	444.3
Projected	2016	403.3	416.7	333.7	357.0	416.2	444.5	456.0	460.4	426.7	394.1	317.9	331.4	403.3	460.4
	2017	407.7	421.3	337.4	361.0	420.8	449.5	461.1	465.5	431.4	398.5	321.1	334.1	407.7	465.5
	2018	411.2	425.0	340.0	363.7	424.1	453.0	464.7	469.2	434.8	401.5	323.5	337.0	411.2	469.2
	2019	414.8	428.7	342.9	366.6	427.6	456.8	468.6	473.1	438.4	404.8	326.2	340.0	414.8	473.1
	2020	417.0	430.5	344.0	367.9	429.4	458.7	470.7	475.2	440.2	406.4	327.1	340.9	417.0	475.2
	2021	420.1	433.8	346.6	370.7	432.6	462.2	474.2	478.8	443.5	409.5	329.5	343.4	420.1	478.8
	2022	423.1	436.9	349.0	373.3	435.6	465.4	477.6	482.2	446.6	412.3	331.7	345.6	423.1	482.2
	2023	425.9	439.8	351.3	375.7	438.4	468.4	480.7	485.3	449.5	415.0	333.9	347.9	425.9	485.3
	2024	428.7	442.7	353.5	378.0	441.2	471.4	483.7	488.4	452.4	417.6	335.9	350.0	428.7	488.4
	2025	431.3	445.4	355.7	380.3	443.9	474.3	486.7	491.3	455.1	420.1	338.0	352.2	431.3	491.3
Projected	2026	434.0	448.2	357.9	382.7	446.6	477.1	489.7	494.4	457.9	422.7	340.1	354.4	434.0	494.4
	2027	436.8	451.0	360.2	385.0	449.4	480.1	492.8	497.5	460.8	425.3	342.3	356.7	436.8	497.5
	2028	439.6	453.9	362.5	387.5	452.2	483.1	495.9	500.6	463.6	428.0	344.4	358.8	439.6	500.6
	2029	442.2	456.7	364.7	389.8	454.9	486.1	498.9	503.6	466.4	430.6	346.4	360.9	442.2	503.6
	2030	444.8	459.4	366.8	392.0	457.5	488.8	501.8	506.5	469.1	433.0	348.4	363.0	444.8	506.5
	2031	447.4	462.1	368.8	394.0	460.0	491.4	504.5	509.2	471.6	435.3	350.3	365.0	447.4	509.2
	2032	450.0	464.8	370.8	396.2	462.5	494.1	507.3	512.1	474.2	437.7	352.2	367.1	450.0	512.1
	2033	452.5	467.5	372.9	398.3	465.0	496.8	510.1	514.9	476.8	440.0	354.2	369.2	452.5	514.9
	2034	455.2	470.3	374.9	400.4	467.5	499.5	512.9	517.7	479.3	442.4	356.1	371.2	455.2	517.7
	2035	457.8	473.0	376.9	402.5	470.0	502.2	515.7	520.5	481.9	430.6	347.5	361.2	457.8	520.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.1%	96.6%	87.1%		
	2006	88.5%	97.5%	94.4%	92.3%	96.3%	97.5%	96.4%	98.1%	93.2%	94.6%	89.7%	88.8%	97.5%	98.1%
	2007	90.8%	84.2%	83.9%	93.9%	98.2%	94.0%	96.7%	97.8%	97.8%	93.6%	95.8%	87.2%	84.2%	97.8%
	2008	96.7%	85.7%	93.1%	94.3%	97.5%	95.9%	96.5%	97.6%	93.9%	91.9%	89.5%	89.5%	96.7%	97.6%
	2009	97.8%	96.1%	90.7%	89.5%	97.0%	98.7%	95.2%	96.3%	96.0%	98.1%	88.0%	85.0%	96.1%	98.7%
	2010	98.4%	95.2%	95.7%	91.0%	90.2%	97.4%	97.5%	98.8%	94.5%	98.1%	91.3%	94.7%	98.4%	97.4%
	2011	96.9%	86.4%	91.0%	96.7%	93.2%	95.7%	95.1%	94.1%	90.2%	97.4%	95.2%	90.7%	94.7%	94.1%
	2012	96.3%	90.3%	95.5%	95.7%	94.1%	89.4%	95.4%	94.1%	92.7%	96.3%	88.0%	81.2%	96.3%	95.4%
	2013	78.0%	86.3%	88.5%	95.3%	97.4%	95.4%	91.2%	96.8%	95.8%	94.5%	93.7%	89.7%	86.6%	96.8%
	2014	86.1%	84.1%	86.9%	98.7%	96.6%	95.2%	96.1%	95.0%	90.1%	96.8%	78.8%	87.2%	86.1%	95.0%
	2015	83.3%	95.7%	93.7%	88.3%	99.3%	94.2%	93.3%	93.0%	98.0%	96.3%	88.1%	89.9%	95.7%	92.9%
Projected	2016	90.2%	90.2%	90.6%	94.2%	96.4%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2017	90.1%	90.2%	90.6%	94.2%	96.4%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2018	90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2019	90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2020	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2021	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2022	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2023	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2024	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2025	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
2006-2015		91.3%	90.2%	91.3%	93.6%	96.0%	95.4%	95.4%	96.2%	94.2%	95.8%	89.8%	88.4%	93.2%	96.4%
2016-2025		90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

## Appendix C

### DUKE ENERGY FLORIDA CITIES

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FMPA 2016 Load Forecast - Base Case  
**Duke Energy Florida Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	2,055,682	-	2,038,120	-	-0.9%	416.8	-	412.1	-	-1.1%	434.3	-	459.7		5.9%
	2007	2,035,888	-1.0%	2,049,430	0.6%	0.7%	364.2	-12.6%	386.7	-6.2%	6.2%	449.2	3.4%	438.6	-4.6%	-2.4%
	2008	1,960,379	-3.7%	1,969,045	-3.9%	0.4%	395.4	8.6%	381.5	-1.4%	-3.5%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,556	-1.8%	-0.3%	432.9	9.5%	404.6	6.1%	-6.5%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,090	-2.1%	-5.1%	466.6	7.8%	397.3	-1.8%	-14.9%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,916	-2.3%	-4.2%	416.1	-10.8%	406.0	2.2%	-2.4%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,948	-1.5%	0.0%	381.2	-8.4%	361.3	-11.0%	-5.2%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,620	0.2%	-0.2%	342.2	-10.2%	353.3	-2.2%	3.3%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,924	0.9%	-0.6%	371.1	8.5%	392.4	11.1%	5.7%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,898	0.6%	-2.6%	407.6	9.8%	405.9	3.4%	-0.4%	419.6	3.3%	443.8	7.9%	5.8%
Projected	2016	1,884,661	-0.9%	1,884,661	1.7%		395.0	-3.1%	395.0	-2.7%		409.2	-2.5%	409.2	-7.8%	
	2017			1,909,853	1.3%				400.7	1.4%				415.2	1.5%	
	2018			1,937,045	1.4%				406.3	1.4%				421.1	1.4%	
	2019			1,963,205	1.4%				411.6	1.3%				426.6	1.3%	
	2020			1,988,982	1.3%				417.0	1.3%				432.2	1.3%	
	2021			2,011,930	1.2%				421.7	1.1%				437.1	1.2%	
	2022			2,035,473	1.2%				426.6	1.2%				442.2	1.2%	
	2023			2,058,806	1.1%				431.4	1.1%				447.3	1.1%	
	2024			2,083,360	1.2%				436.5	1.2%				452.6	1.2%	
	2025			2,105,055	1.0%				441.0	1.0%				457.3	1.0%	
	2026			2,127,904	1.1%				445.8	1.1%				462.3	1.1%	
	2027			2,150,868	1.1%				450.6	1.1%				467.2	1.1%	
	2028			2,175,069	1.1%				455.6	1.1%				472.5	1.1%	
	2029			2,196,123	1.0%				460.0	1.0%				477.0	1.0%	
	2030			2,218,148	1.0%				464.5	1.0%				481.8	1.0%	
	2031			2,239,577	1.0%				468.9	1.0%				486.4	1.0%	
	2032			2,262,002	1.0%				473.6	1.0%				491.3	1.0%	
	2033			2,281,272	0.9%				477.6	0.8%				495.4	0.9%	
	2034			2,301,747	0.9%				481.9	0.9%				499.9	0.9%	
	2035			2,322,199	0.9%				486.1	0.9%				504.3	0.9%	
CAGR <sup>[3]</sup>	2006-2015		-0.9%		-1.1%			-0.2%		-0.2%			-0.4%		-0.4%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 27.61 MW beginning Jan-20

**FMPA 2016 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	2,055,682	-	2,055,682	-	417.1	441.2	417.1	441.2	416.8	434.3	416.8	434.3
	2007	2,035,888	-1.0%	2,035,888	-1.0%	367.8	452.7	367.8	452.7	364.2	449.2	367.5	449.2
	2008	1,960,379	-3.7%	1,960,379	-3.7%	395.6	425.5	395.6	425.5	395.4	420.5	395.4	424.7
	2009	1,939,898	-1.0%	1,939,898	-1.0%	448.0	438.4	448.0	438.4	432.9	438.2	440.2	438.2
	2010	1,994,053	2.8%	1,994,053	2.8%	469.5	425.4	469.5	425.4	466.6	415.8	466.6	415.8
	2011	1,930,773	-3.2%	1,930,773	-3.2%	420.5	416.2	420.5	416.2	416.1	407.5	416.1	410.6
	2012	1,820,328	-5.7%	1,820,328	-5.7%	385.4	391.7	385.4	391.7	381.2	373.5	381.2	385.4
	2013	1,827,744	0.4%	1,827,744	0.4%	346.7	402.4	346.7	402.4	342.2	391.2	342.3	391.2
	2014	1,853,952	1.4%	1,853,952	1.4%	374.8	413.9	374.8	413.9	371.1	406.2	371.1	406.2
	2015	1,902,497	2.6%	1,856,859	0.2%	408.2	423.0	387.5	405.4	407.6	419.6	383.3	398.7
Projected	2016	1,884,661	-0.9%	1,889,628	1.8%	396.1	415.8	394.3	412.5	395.0	409.2	390.0	405.7
	2017	1,909,853	1.3%	1,921,167	1.7%	401.8	421.8	400.9	419.5	400.7	415.2	396.6	412.6
	2018	1,937,045	1.4%	1,956,444	1.8%	407.4	427.8	408.2	427.2	406.3	421.1	403.8	420.2
	2019	1,963,205	1.4%	1,989,348	1.7%	412.8	433.4	414.8	434.1	411.6	426.6	410.3	427.1
	2020	1,988,982	1.3%	2,021,219	1.6%	418.1	439.1	421.4	441.1	417.0	432.2	416.9	433.9
	2021	2,011,930	1.2%	2,051,176	1.5%	422.9	444.1	427.6	447.6	421.7	437.1	423.0	440.3
	2022	2,035,473	1.2%	2,082,012	1.5%	427.8	449.2	433.9	454.3	426.6	442.2	429.3	446.9
	2023	2,058,806	1.1%	2,112,983	1.5%	432.6	454.4	440.4	461.0	431.4	447.3	435.7	453.6
	2024	2,083,360	1.2%	2,145,766	1.6%	437.7	459.8	447.1	468.1	436.5	452.6	442.4	460.6
	2025	2,105,055	1.0%	2,175,896	1.4%	442.3	464.5	453.3	474.7	441.0	457.3	448.6	467.1
	2026	2,127,904	1.1%	2,206,934	1.4%	447.0	469.6	459.7	481.4	445.8	462.3	454.9	473.7
	2027	2,150,868	1.1%	2,237,742	1.4%	451.8	474.6	466.1	488.1	450.6	467.2	461.2	480.3
	2028	2,175,069	1.1%	2,269,343	1.4%	456.9	479.9	472.6	494.9	455.6	472.5	467.6	487.0
	2029	2,196,123	1.0%	2,297,424	1.2%	461.2	484.5	478.3	501.0	460.0	477.0	473.4	493.1
	2030	2,218,148	1.0%	2,326,346	1.3%	465.8	489.4	484.3	507.2	464.5	481.8	479.2	499.2
	2031	2,239,577	1.0%	2,354,703	1.2%	470.3	494.0	490.1	513.4	468.9	486.4	485.0	505.3
	2032	2,262,002	1.0%	2,384,446	1.3%	474.9	499.0	496.3	519.8	473.6	491.3	491.1	511.7
	2033	2,281,272	0.9%	2,411,558	1.1%	478.9	503.2	501.9	525.8	477.6	495.4	496.7	517.5
	2034	2,301,747	0.9%	2,440,381	1.2%	483.2	507.7	507.9	532.0	481.9	499.9	502.6	523.7
	2035	2,322,199	0.9%			487.5	512.2			486.1	504.3		
CAGR <sup>[1]</sup>	Historical		-0.9%		-1.3%	-0.2%	-0.5%	-1.3%	-0.8%	1.4%	-0.8%	0.1%	-1.4%
	1st 10 Prj Yrs		1.2%		1.6%	1.2%	1.2%	1.6%	1.6%	1.2%	1.2%	1.6%	1.6%
	2nd 10 Prj Yrs		1.0%		1.3%	1.0%	1.0%	1.3%	1.3%	1.0%	1.0%	1.3%	1.3%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

[1] CAGR - Compound Annual Growth Rate



**FMPA 2016 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	155,704	146,152	146,401	157,322	181,445	191,882	207,167	217,089	189,577	166,850	143,045	148,655	2,051,289	2,055,682
	2007	153,684	143,790	148,751	148,736	172,340	190,674	205,149	223,342	190,872	176,047	137,924	144,504	2,035,813	2,035,888
	2008	153,013	137,244	141,076	147,111	176,933	185,030	190,577	189,513	181,407	154,821	137,073	143,509	1,937,308	1,960,379
	2009	159,379	141,894	141,979	139,972	167,009	192,539	189,754	191,240	180,729	167,870	128,831	145,529	1,946,724	1,939,898
	2010	176,160	148,675	136,810	134,621	178,818	195,352	200,598	199,701	181,087	147,779	129,686	176,651	2,005,939	1,994,053
	2011	152,375	126,194	131,429	147,730	169,503	183,822	188,565	201,342	175,698	137,798	125,307	132,269	1,872,030	1,930,773
	2012	142,196	125,894	139,027	142,877	169,382	164,976	186,229	183,698	170,677	152,038	126,540	137,410	1,840,943	1,820,328
	2013	135,758	126,422	136,897	141,458	156,355	174,618	175,873	189,899	174,475	153,896	127,773	135,566	1,828,991	1,827,744
	2014	161,655	125,071	129,480	138,377	163,443	171,918	185,775	193,339	167,658	149,219	131,467	140,713	1,858,115	1,853,952
	2015	146,342	135,477	142,180	151,137	172,147	185,413	185,670	190,005	172,729	151,916	129,559	150,552	1,913,126	1,902,497
Projected	2016	150,722	130,273	137,014	142,840	159,786	179,332	188,308	194,476	169,883	151,499	132,273	152,369	1,888,774	1,884,661
	2017	153,195	131,225	139,587	144,638	162,577	181,791	191,011	197,561	172,127	153,725	134,196	154,553	1,916,186	1,909,853
	2018	155,344	133,159	141,504	146,657	164,903	184,268	193,744	200,402	174,590	155,933	136,112	156,689	1,943,305	1,937,045
	2019	157,509	134,990	143,389	148,619	167,092	186,686	196,287	203,027	176,872	157,961	137,862	158,663	1,968,956	1,963,205
	2020	159,494	137,983	145,174	150,473	169,166	188,989	198,695	205,506	179,016	159,892	139,553	160,611	1,994,552	1,988,982
	2021	161,440	138,361	146,962	152,326	171,238	191,294	201,103	207,986	181,164	161,808	141,220	162,516	2,017,418	2,011,930
	2022	163,335	139,982	148,684	154,113	173,236	193,516	203,427	210,387	183,250	163,676	142,853	164,386	2,040,844	2,035,473
	2023	165,198	141,586	150,393	155,889	175,226	195,731	205,747	212,785	185,335	165,543	144,484	166,256	2,064,175	2,058,806
	2024	167,060	144,548	152,090	157,653	177,199	197,927	208,044	215,159	187,397	167,388	146,095	168,101	2,088,661	2,083,360
	2025	168,899	144,774	153,785	159,413	179,169	200,119	210,335	217,524	189,452	169,226	147,699	169,936	2,110,331	2,105,055
Projected	2026	170,726	146,341	155,453	161,149	181,116	202,285	212,604	219,873	191,496	171,060	149,304	171,776	2,133,182	2,127,904
	2027	172,561	147,921	157,136	162,899	183,077	204,467	214,887	222,232	193,549	172,898	150,910	173,616	2,156,152	2,150,868
	2028	174,393	150,917	158,804	164,631	185,016	206,621	217,139	224,557	195,567	174,703	152,485	175,418	2,180,252	2,175,069
	2029	176,188	151,043	160,456	166,346	186,935	208,755	219,369	226,859	197,566	176,491	154,045	177,204	2,201,256	2,196,123
	2030	177,965	152,563	162,071	168,020	188,806	210,834	221,541	229,100	199,510	178,228	155,562	178,938	2,223,136	2,218,148
	2031	179,688	154,043	163,644	169,651	190,628	212,858	223,655	231,281	201,401	179,919	157,037	180,627	2,244,432	2,239,577
	2032	181,367	156,967	165,178	171,245	192,409	214,840	225,729	233,423	203,261	181,585	158,494	182,296	2,266,794	2,262,002
	2033	183,023	156,919	166,706	172,831	194,180	216,807	227,784	235,544	205,103	183,233	159,935	183,942	2,286,007	2,281,272
	2034	184,659	158,325	168,204	174,389	195,924	218,747	229,815	237,645	206,929	184,870	161,367	185,585	2,306,459	2,301,747
	2035	186,293	159,732	169,703	175,947	197,667	220,688	231,846	239,745	208,755	186,506	162,798	187,225	2,326,907	2,322,199

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.1%	7.1%	7.7%	8.8%	9.4%	10.1%	10.6%	9.2%	8.1%	7.0%	7.2%	100.0%
	2007	7.5%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	11.0%	9.4%	8.6%	6.8%	7.1%	100.0%
	2008	7.9%	7.1%	7.3%	7.6%	9.1%	9.6%	9.8%	9.8%	9.4%	8.0%	7.1%	7.4%	100.0%
	2009	8.2%	7.3%	7.3%	7.2%	8.6%	9.9%	9.7%	9.8%	9.3%	8.6%	6.6%	7.5%	100.0%
	2010	8.8%	7.4%	6.8%	6.7%	8.9%	9.7%	10.0%	10.0%	9.0%	7.4%	6.5%	8.8%	100.0%
	2011	8.1%	6.7%	7.0%	7.9%	9.1%	9.8%	10.1%	10.8%	9.4%	7.4%	6.7%	7.1%	100.0%
	2012	7.7%	6.8%	7.6%	7.8%	9.2%	9.0%	10.1%	10.0%	9.3%	8.3%	6.9%	7.5%	100.0%
	2013	7.4%	6.9%	7.5%	7.7%	8.5%	9.5%	9.6%	10.4%	9.5%	8.4%	7.0%	7.4%	100.0%
	2014	8.7%	6.7%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.0%	8.0%	7.1%	7.6%	100.0%
	2015	7.6%	7.1%	7.4%	7.9%	9.0%	9.7%	9.7%	9.9%	9.0%	7.9%	6.8%	7.9%	100.0%
Projected	2016	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2017	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2018	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2019	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2020	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2021	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2022	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2023	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2024	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2025	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
Avg.	2006-2015	8.0%	7.0%	7.2%	7.5%	8.9%	9.5%	9.9%	10.3%	9.3%	8.1%	6.8%	7.5%	100.0%
	2016-2025	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	357.3	417.1	287.8	374.1	397.2	418.8	426.6	441.2	404.1	379.1	294.0	300.7	417.1	441.2
	2007	367.8	367.0	315.3	337.6	367.4	422.4	435.9	452.7	421.1	387.7	286.1	305.5	367.8	452.7
	2008	395.6	337.0	288.3	316.6	374.4	425.5	414.5	421.7	395.8	341.0	318.2	342.0	395.6	425.5
	2009	440.9	448.0	343.4	307.7	378.1	438.4	401.7	416.1	381.1	389.8	263.4	318.1	448.0	438.4
	2010	469.5	375.8	336.2	283.3	374.4	425.4	419.3	421.2	398.0	344.9	276.1	420.5	469.5	425.4
	2011	403.3	334.3	261.1	356.0	380.1	415.7	403.6	416.2	376.6	307.4	267.9	266.6	420.5	416.2
	2012	385.4	369.1	287.6	329.8	367.7	383.7	391.7	391.4	380.7	346.5	277.1	289.2	385.4	391.7
	2013	288.9	344.0	346.7	315.0	346.3	389.5	387.3	402.4	388.4	339.6	283.2	281.1	346.7	402.4
	2014	374.8	325.7	261.6	341.9	364.5	383.8	395.6	413.9	394.8	346.7	335.6	306.2	374.8	413.9
	2015	343.1	408.2	296.5	328.9	381.3	423.0	396.0	415.0	389.6	354.1	272.9	304.3	408.2	423.0
Projected	2016	396.1	359.3	293.2	314.6	368.1	405.7	396.9	415.8	386.4	348.2	276.8	308.7	396.1	415.8
	2017	401.8	364.5	297.5	319.1	373.4	411.6	402.6	421.8	392.0	353.3	280.8	313.1	401.8	421.8
	2018	407.4	369.7	301.7	323.6	378.7	417.4	408.3	427.8	397.6	358.3	284.4	317.1	407.4	427.8
	2019	412.8	374.5	305.6	327.9	383.7	422.9	413.7	433.4	402.8	363.0	288.1	321.2	412.8	433.4
	2020	418.1	379.4	309.6	332.1	388.7	428.4	419.1	439.1	408.0	367.7	291.4	324.9	418.1	439.1
	2021	422.9	383.7	313.1	335.9	393.1	433.3	423.9	444.1	412.7	371.9	294.8	328.7	422.9	444.1
	2022	427.8	388.2	316.8	339.8	397.7	438.4	428.8	449.2	417.5	376.2	298.2	332.4	427.8	449.2
	2023	432.6	392.6	320.4	343.7	402.2	443.4	433.7	454.4	422.3	380.5	301.7	336.3	432.6	454.4
	2024	437.7	397.2	324.2	347.8	407.0	448.6	438.8	459.8	427.3	385.0	304.8	339.8	437.7	459.8
	2025	442.3	401.3	327.5	351.4	411.2	453.3	443.4	464.5	431.7	389.0	308.1	343.5	442.3	464.5
Projected	2026	447.0	405.7	331.0	355.2	415.6	458.2	448.2	469.6	436.4	393.2	311.5	347.2	447.0	469.6
	2027	451.8	410.0	334.6	359.0	420.1	463.1	453.0	474.6	441.1	397.5	314.9	351.0	451.8	474.6
	2028	456.9	414.6	338.3	363.0	424.8	468.3	458.1	479.9	446.0	401.9	318.0	354.4	456.9	479.9
	2029	461.2	418.6	341.6	366.5	428.9	472.8	462.5	484.5	450.3	405.8	321.1	357.9	461.2	484.5
	2030	465.8	422.7	344.9	370.2	433.1	477.5	467.1	489.4	454.8	409.8	324.2	361.3	465.8	489.4
	2031	470.3	426.8	348.2	373.7	437.3	482.1	471.6	494.0	459.2	413.7	327.4	364.9	470.3	494.0
	2032	474.9	431.0	351.7	377.4	441.6	486.9	476.3	499.0	463.7	417.9	330.2	368.0	474.9	499.0
	2033	478.9	434.7	354.7	380.6	445.4	491.0	480.3	503.2	467.7	421.4	333.2	371.3	478.9	503.2
	2034	483.2	438.6	357.8	384.0	449.4	495.4	484.6	507.7	471.9	425.2	336.1	374.6	483.2	507.7
	2035	487.5	442.4	361.0	387.4	453.3	499.8	488.9	512.2	476.0	428.9	339.3	378.1	487.5	512.2

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.1%	64.7%	64.5%		
	2006	58.6%	52.1%	68.4%	56.5%	68.0%	61.6%	67.5%	66.1%	65.2%	59.2%	65.4%	68.7%	56.1%	53.1%
	2007	56.2%	58.3%	63.4%	59.2%	69.8%	60.7%	65.4%	66.3%	63.0%	61.0%	64.8%	65.7%	63.2%	51.3%
	2008	52.0%	58.5%	65.8%	62.5%	70.3%	58.4%	63.9%	60.4%	63.7%	61.0%	57.9%	58.3%	55.9%	52.0%
	2009	48.6%	47.1%	55.6%	61.1%	65.7%	59.0%	65.6%	61.8%	65.9%	57.9%	65.7%	63.5%	49.6%	50.7%
	2010	50.4%	58.9%	54.7%	63.9%	71.1%	61.7%	66.4%	63.7%	63.2%	57.6%	63.1%	58.4%	48.8%	53.8%
	2011	50.8%	56.2%	67.7%	55.8%	66.4%	59.4%	64.9%	65.0%	64.8%	60.3%	62.9%	68.9%	50.8%	51.3%
	2012	49.6%	49.0%	65.0%	58.2%	68.6%	57.8%	66.0%	63.1%	62.3%	59.0%	61.4%	66.0%	54.5%	53.6%
	2013	63.2%	54.7%	53.1%	60.4%	67.2%	60.3%	63.1%	63.4%	62.4%	60.9%	60.6%	67.0%	60.2%	51.9%
	2014	58.0%	57.1%	66.5%	54.4%	66.7%	60.2%	62.8%	62.8%	59.0%	57.9%	52.7%	63.8%	56.6%	51.2%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	57.7%	63.8%	68.7%	53.5%	51.6%
Projected	2016	51.1%	52.1%	62.8%	61.0%	64.6%	59.4%	65.9%	62.9%	61.1%	58.5%	64.2%	68.6%	54.4%	51.9%
	2017	51.2%	53.6%	63.1%	60.9%	64.8%	59.4%	65.9%	62.9%	61.0%	58.5%	64.2%	68.6%	54.4%	51.9%
	2018	51.2%	53.6%	63.1%	60.9%	64.8%	59.3%	65.9%	63.0%	61.0%	58.5%	64.3%	68.6%	54.4%	51.9%
	2019	51.3%	53.6%	63.1%	60.9%	64.8%	59.3%	65.9%	63.0%	61.0%	58.5%	64.3%	68.6%	54.5%	51.9%
	2020	51.3%	52.3%	63.0%	60.9%	64.8%	59.3%	65.9%	62.9%	60.9%	58.4%	64.4%	68.7%	54.5%	51.9%
	2021	51.3%	53.7%	63.1%	60.9%	64.8%	59.3%	65.9%	62.9%	61.0%	58.5%	64.4%	68.7%	54.5%	51.9%
	2022	51.3%	53.7%	63.1%	61.0%	64.8%	59.3%	65.9%	62.9%	61.0%	58.5%	64.4%	68.7%	54.5%	51.9%
	2023	51.3%	53.7%	63.1%	61.0%	64.8%	59.3%	65.9%	62.9%	61.0%	58.5%	64.4%	68.7%	54.5%	51.9%
	2024	51.3%	52.3%	63.1%	60.9%	64.8%	59.3%	65.8%	62.9%	60.9%	58.4%	64.4%	68.7%	54.5%	51.9%
	2025	51.3%	53.7%	63.1%	61.0%	64.8%	59.3%	65.9%	62.9%	60.9%	58.5%	64.4%	68.7%	54.5%	51.9%
Avg.	2006-2015	54.5%	54.1%	62.4%	59.4%	68.1%	59.8%	65.3%	63.4%	63.1%	59.2%	61.8%	64.9%	54.9%	52.1%
	2016-2025	51.3%	53.2%	63.0%	60.9%	64.8%	59.3%	65.9%	62.9%	61.0%	58.5%	64.3%	68.6%	54.5%	51.9%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	320.8	416.8	270.9	373.9	382.9	418.3	423.6	434.3	386.9	373.2	275.9	267.3	416.8	434.3
	2007	367.5	364.2	292.3	337.0	360.8	420.7	433.0	449.2	415.3	382.3	283.8	263.0	364.2	449.2
	2008	395.4	336.2	285.0	305.1	356.2	424.7	413.4	420.5	390.7	334.4	279.8	341.6	395.4	420.5
	2009	440.2	432.9	342.8	306.2	376.5	438.2	388.0	412.2	377.7	379.0	223.8	317.7	432.9	438.2
	2010	466.6	371.9	334.6	276.5	364.8	415.8	407.1	411.2	387.8	331.9	259.9	416.1	466.6	415.8
	2011	401.6	333.5	226.8	342.8	371.8	410.6	391.9	407.5	370.5	304.0	258.2	234.1	416.1	407.5
	2012	381.2	368.7	278.6	313.0	345.0	368.2	373.5	385.4	377.9	341.7	227.0	288.9	381.2	373.5
	2013	285.3	342.3	342.2	299.4	332.8	362.9	379.0	391.2	375.9	333.9	265.3	243.1	342.2	391.2
	2014	371.1	325.5	209.1	340.6	356.6	377.0	377.7	406.2	389.8	342.2	330.7	303.1	371.1	406.2
	2015	342.6	407.6	288.1	320.9	376.9	419.6	387.0	406.6	372.9	348.5	255.9	286.9	407.6	419.6
Projected	2016	395.0	358.9	272.5	308.0	357.8	398.3	385.2	409.2	380.2	342.8	259.6	291.1	395.0	409.2
	2017	400.7	364.1	276.5	312.5	363.0	404.1	390.8	415.2	385.7	347.7	263.3	295.2	400.7	415.2
	2018	406.3	369.2	280.4	316.9	368.1	409.8	396.3	421.1	391.1	352.7	266.8	299.1	406.3	421.1
	2019	411.6	374.1	284.1	321.1	373.0	415.2	401.5	426.6	396.3	357.3	270.2	303.0	411.6	426.6
	2020	417.0	378.9	287.8	325.3	377.9	420.6	406.7	432.2	401.4	362.0	273.3	306.4	417.0	432.2
	2021	421.7	383.2	291.0	329.0	382.2	425.4	411.4	437.1	406.1	366.1	276.5	310.0	421.7	437.1
	2022	426.6	387.7	294.4	332.8	386.6	430.3	416.2	442.2	410.8	370.4	279.6	313.5	426.6	442.2
	2023	431.4	392.1	297.8	336.6	391.0	435.2	421.0	447.3	415.5	374.6	283.0	317.2	431.4	447.3
	2024	436.5	396.7	301.3	340.6	395.7	440.4	426.0	452.6	420.4	379.0	285.9	320.5	436.5	452.6
	2025	441.0	400.8	304.4	344.1	399.8	445.0	430.4	457.3	424.8	383.0	289.0	323.9	441.0	457.3
Projected	2026	445.8	405.2	307.7	347.9	404.1	449.8	435.1	462.3	429.4	387.1	292.1	327.4	445.8	462.3
	2027	450.6	409.5	311.0	351.6	408.5	454.6	439.7	467.2	434.0	391.3	295.4	331.0	450.6	467.2
	2028	455.6	414.1	314.5	355.6	413.0	459.7	444.7	472.5	438.9	395.7	298.2	334.2	455.6	472.5
	2029	460.0	418.1	317.5	359.0	417.0	464.1	448.9	477.0	443.1	399.5	301.2	337.5	460.0	477.0
	2030	464.5	422.2	320.6	362.5	421.1	468.8	453.4	481.8	447.5	403.5	304.0	340.8	464.5	481.8
	2031	468.9	426.3	323.7	366.0	425.2	473.2	457.8	486.4	451.8	407.3	307.1	344.1	468.9	486.4
	2032	473.6	430.5	326.9	369.7	429.4	478.0	462.3	491.3	456.3	411.4	309.7	347.0	473.6	491.3
	2033	477.6	434.2	329.6	372.8	433.0	482.0	466.3	495.4	460.2	414.9	312.4	350.1	477.6	495.4
	2034	481.9	438.0	332.6	376.1	436.9	486.3	470.4	499.9	464.3	418.6	315.2	353.2	481.9	499.9
	2035	486.1	441.9	335.5	379.5	440.8	490.6	474.6	504.3	468.4	422.3	318.2	356.6	486.1	504.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.6%	99.0%	99.8%		
	2006	89.8%	99.9%	94.1%	99.9%	96.4%	99.9%	99.3%	98.4%	95.7%	98.4%	93.9%	88.9%	99.9%	98.4%
	2007	99.9%	99.2%	92.7%	99.8%	98.2%	99.6%	99.3%	99.2%	98.6%	98.6%	99.2%	86.1%	99.0%	99.2%
	2008	99.9%	99.7%	98.8%	96.4%	95.1%	99.8%	99.7%	99.7%	98.7%	98.1%	87.9%	99.9%	99.9%	98.8%
	2009	99.9%	96.6%	99.8%	99.5%	99.6%	100.0%	96.6%	99.0%	99.1%	97.2%	85.0%	99.9%	96.6%	100.0%
	2010	99.4%	99.0%	99.5%	97.6%	97.5%	97.7%	97.1%	97.6%	97.4%	96.3%	94.2%	99.0%	99.4%	97.7%
	2011	99.6%	99.8%	86.9%	96.3%	97.8%	98.8%	97.1%	97.9%	98.4%	98.9%	96.4%	87.8%	99.0%	97.9%
	2012	98.9%	99.9%	96.9%	94.9%	93.8%	96.0%	95.3%	98.5%	99.3%	98.6%	81.9%	99.9%	98.9%	95.3%
	2013	98.7%	99.5%	98.7%	95.1%	96.1%	93.2%	97.8%	97.2%	96.8%	98.3%	93.7%	86.5%	98.7%	97.2%
	2014	99.0%	99.9%	80.0%	99.6%	97.8%	98.2%	95.5%	98.1%	98.7%	98.7%	98.5%	99.0%	99.0%	98.1%
	2015	99.9%	99.8%	97.2%	97.6%	98.9%	99.2%	97.7%	98.0%	95.7%	98.4%	93.8%	94.3%	99.8%	99.2%
Projected	2016	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.0%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2017	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2018	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2019	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2020	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2021	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2022	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2023	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2024	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2006-2015	98.5%	99.3%	94.5%	97.7%	97.1%	98.2%	97.6%	98.4%	97.8%	98.2%	92.4%	94.1%	99.0%	98.2%
	2016-2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

## Appendix D

### ARP MEMBER FORECASTS

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Bushnell

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FMPA 2016 Load Forecast - Base Case  
**Bushnell**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	25,727	-	25,762	-	0.1%	6.6	-	7.2	-	8.9%	5.5	-	5.7		3.9%
	2007	24,619	-4.3%	24,748	-3.9%	0.5%	5.5	-16.4%	5.9	-18.0%	6.8%	5.2	-5.4%	5.1	-9.9%	-1.0%
	2008	23,822	-3.2%	24,181	-2.3%	1.5%	5.4	-1.5%	5.8	-1.1%	7.3%	5.3	3.0%	5.4	5.7%	1.5%
	2009	24,837	4.3%	24,722	2.2%	-0.5%	6.7	24.2%	5.9	1.8%	-12.0%	5.8	7.8%	5.8	7.7%	1.5%
	2010	26,279	5.8%	25,000	1.1%	-4.9%	7.9	18.2%	6.4	8.5%	-19.2%	5.9	2.1%	5.0	-14.5%	-15.0%
	2011	25,311	-3.7%	24,521	-1.9%	-3.1%	7.0	-12.1%	7.1	11.0%	2.0%	5.2	-11.8%	5.1	3.0%	-0.8%
	2012	23,675	-6.5%	24,011	-2.1%	1.4%	5.5	-20.8%	5.6	-20.8%	2.1%	4.8	-8.3%	5.8	13.1%	22.3%
	2013	23,262	-1.7%	23,416	-2.5%	0.7%	5.8	4.2%	5.6	-0.9%	-2.8%	5.0	5.8%	5.3	-9.0%	5.3%
	2014	23,792	2.3%	23,642	1.0%	-0.6%	6.3	10.1%	6.8	22.1%	7.7%	5.4	7.1%	5.3	0.3%	-1.4%
	2015	24,259	2.0%	23,806	0.7%	-1.9%	6.7	5.7%	7.2	6.0%	8.0%	5.6	4.0%	5.4	2.3%	-3.0%
Projected	2016	24,354	0.4%	24,354	2.3%		6.3	-5.9%	6.3	-12.9%		5.2	-6.7%	5.2	-3.9%	
	2017			24,563	0.9%				6.4	1.0%				5.3	1.0%	
	2018			24,864	1.2%				6.4	1.2%				5.3	1.2%	
	2019			25,134	1.1%				6.5	1.1%				5.4	1.1%	
	2020			25,407	1.1%				6.6	1.1%				5.5	1.1%	
	2021			25,675	1.1%				6.6	1.0%				5.5	1.0%	
	2022			25,936	1.0%				6.7	1.0%				5.6	1.0%	
	2023			26,202	1.0%				6.8	1.0%				5.6	1.0%	
	2024			26,470	1.0%				6.9	1.0%				5.7	1.0%	
	2025			26,738	1.0%				6.9	1.0%				5.7	1.0%	
	2026			27,007	1.0%				7.0	1.0%				5.8	1.0%	
	2027			27,281	1.0%				7.1	1.0%				5.9	1.0%	
	2028			27,555	1.0%				7.1	1.0%				5.9	1.0%	
	2029			27,825	1.0%				7.2	1.0%				6.0	1.0%	
	2030			28,093	1.0%				7.3	1.0%				6.0	1.0%	
	2031			28,357	0.9%				7.3	0.9%				6.1	0.9%	
	2032			28,617	0.9%				7.4	0.9%				6.1	0.9%	
	2033			28,878	0.9%				7.5	0.9%				6.2	0.9%	
	2034			29,139	0.9%				7.5	0.9%				6.3	0.9%	
	2035			29,403	0.9%				7.6	0.9%				6.3	0.9%	
CAGR <sup>[3]</sup>	2006-2015		-0.7%		-0.9%			0.2%		0.1%			0.2%		-0.5%	
	2016-2025				1.0%					1.1%					1.1%	
	2026-2035				0.9%					0.9%					0.9%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Bushnell**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	25,727	-	25,727	-	6.7	6.0	6.7	6.0	6.6	5.5	6.6	5.5
	2007	24,619	-4.3%	24,619	-4.3%	5.7	5.8	5.7	5.8	5.5	5.2	5.5	5.2
	2008	23,822	-3.2%	23,822	-3.2%	5.4	5.7	5.4	5.7	5.4	5.3	5.4	5.3
	2009	24,837	4.3%	24,837	4.3%	7.1	5.8	7.1	5.8	6.7	5.8	6.7	5.8
	2010	26,279	5.8%	26,279	5.8%	8.0	6.0	8.0	6.0	7.9	5.9	7.9	5.9
	2011	25,311	-3.7%	25,311	-3.7%	7.2	5.9	7.2	5.9	7.0	5.2	7.0	5.2
	2012	23,675	-6.5%	23,675	-6.5%	6.3	5.6	6.3	5.6	5.5	4.8	5.5	4.8
	2013	23,262	-1.7%	23,262	-1.7%	5.8	5.9	5.8	5.9	5.8	5.0	5.8	5.0
	2014	23,792	2.3%	23,792	2.3%	6.3	5.8	6.3	5.8	6.3	5.4	6.3	5.4
	2015	24,259	2.0%	23,865	0.3%	6.7	5.8	6.1	5.7	6.7	5.6	6.0	5.0
Projected	2016	24,354	0.4%	24,132	1.1%	6.4	5.8	6.2	5.7	6.3	5.2	6.1	5.1
	2017	24,563	0.9%	24,454	1.3%	6.5	5.9	6.3	5.8	6.4	5.3	6.1	5.2
	2018	24,864	1.2%	24,776	1.3%	6.6	5.9	6.4	5.9	6.4	5.3	6.2	5.2
	2019	25,134	1.1%	25,094	1.3%	6.6	6.0	6.4	6.0	6.5	5.4	6.3	5.3
	2020	25,407	1.1%	25,443	1.4%	6.7	6.1	6.5	6.0	6.6	5.5	6.4	5.4
	2021	25,675	1.1%	25,804	1.4%	6.8	6.1	6.6	6.1	6.6	5.5	6.5	5.4
	2022	25,936	1.0%	26,132	1.3%	6.8	6.2	6.7	6.2	6.7	5.6	6.6	5.5
	2023	26,202	1.0%	26,488	1.4%	6.9	6.2	6.8	6.3	6.8	5.6	6.6	5.6
	2024	26,470	1.0%	26,851	1.4%	7.0	6.3	6.9	6.4	6.9	5.7	6.7	5.7
	2025	26,738	1.0%	27,207	1.3%	7.1	6.4	7.0	6.5	6.9	5.7	6.8	5.7
	2026	27,007	1.0%	27,553	1.3%	7.1	6.4	7.1	6.5	7.0	5.8	6.9	5.8
	2027	27,281	1.0%	27,888	1.2%	7.2	6.5	7.1	6.6	7.1	5.9	7.0	5.9
	2028	27,555	1.0%	28,215	1.2%	7.3	6.6	7.2	6.7	7.1	5.9	7.1	6.0
	2029	27,825	1.0%	28,536	1.1%	7.3	6.6	7.3	6.8	7.2	6.0	7.2	6.0
	2030	28,093	1.0%	28,850	1.1%	7.4	6.7	7.4	6.8	7.3	6.0	7.2	6.1
	2031	28,357	0.9%	29,162	1.1%	7.5	6.8	7.5	6.9	7.3	6.1	7.3	6.2
	2032	28,617	0.9%	29,477	1.1%	7.6	6.8	7.6	7.0	7.4	6.1	7.4	6.2
	2033	28,878	0.9%	29,794	1.1%	7.6	6.9	7.6	7.1	7.5	6.2	7.5	6.3
	2034	29,139	0.9%	30,112	1.1%	7.7	6.9	7.7	7.1	7.5	6.3	7.5	6.4
	2035	29,403	0.9%			7.8	7.0			7.6	6.3		
CAGR <sup>[1]</sup>	Historical		-0.7%		-1.0%	-0.1%	-0.4%	-0.8%	-0.5%	2.5%	1.0%	2.1%	0.6%
	1st 10 Prj Yrs		1.0%		1.3%	1.1%	1.1%	1.3%	1.3%	1.1%	1.1%	1.3%	1.3%
	2nd 10 Prj Yrs		0.9%		1.1%	0.9%	0.9%	1.1%	1.1%	0.9%	0.9%	1.1%	1.1%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Bushnell**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	1,959	1,919	1,856	1,952	2,195	2,311	2,507	2,666	2,324	2,028	1,788	1,826	25,332	25,727
	2007	1,920	1,870	1,862	1,841	2,115	2,195	2,298	2,593	2,282	2,122	1,633	1,717	24,449	24,619
	2008	1,868	1,668	1,723	1,746	2,121	2,194	2,256	2,397	2,378	1,971	1,743	1,763	23,828	23,822
	2009	1,991	1,820	1,854	1,824	2,125	2,355	2,408	2,554	2,427	2,214	1,674	1,884	25,132	24,837
	2010	2,546	2,108	1,916	1,722	2,349	2,504	2,458	2,565	2,338	1,894	1,673	2,560	26,633	26,279
	2011	2,104	1,714	1,768	1,960	2,189	2,297	2,335	2,562	2,255	1,807	1,652	1,722	24,365	25,311
	2012	1,922	1,731	1,865	1,868	2,206	2,047	2,297	2,369	2,187	1,968	1,680	1,768	23,910	23,675
	2013	1,714	1,651	1,815	1,767	1,934	2,058	2,188	2,476	2,243	2,021	1,636	1,713	23,216	23,262
	2014	2,194	1,689	1,671	1,744	2,097	2,120	2,276	2,446	2,184	1,939	1,699	1,843	23,903	23,792
	2015	1,897	1,777	1,805	2,002	2,241	2,232	2,197	2,398	2,228	2,045	1,743	1,862	24,428	24,259
Projected	2016	2,057	1,797	1,824	1,804	2,034	2,135	2,374	2,446	2,232	2,065	1,746	1,875	24,389	24,354
	2017	2,073	1,810	1,838	1,818	2,052	2,155	2,399	2,473	2,259	2,090	1,768	1,899	24,635	24,563
	2018	2,100	1,833	1,860	1,840	2,077	2,181	2,427	2,502	2,285	2,114	1,788	1,920	24,928	24,864
	2019	2,123	1,853	1,880	1,860	2,099	2,205	2,453	2,529	2,310	2,137	1,807	1,940	25,196	25,134
	2020	2,146	1,873	1,901	1,880	2,122	2,229	2,480	2,557	2,335	2,160	1,826	1,961	25,470	25,407
	2021	2,170	1,893	1,921	1,900	2,144	2,252	2,506	2,583	2,359	2,182	1,845	1,981	25,736	25,675
	2022	2,192	1,913	1,940	1,919	2,166	2,275	2,531	2,610	2,383	2,204	1,864	2,002	25,998	25,936
	2023	2,215	1,933	1,960	1,938	2,188	2,298	2,557	2,636	2,407	2,226	1,883	2,022	26,264	26,202
	2024	2,238	1,952	1,980	1,958	2,210	2,322	2,584	2,663	2,432	2,249	1,902	2,043	26,533	26,470
	2025	2,261	1,972	2,000	1,978	2,232	2,345	2,610	2,690	2,456	2,271	1,921	2,063	26,799	26,738
Projected	2026	2,284	1,992	2,021	1,998	2,255	2,369	2,636	2,717	2,481	2,294	1,940	2,084	27,070	27,007
	2027	2,307	2,013	2,041	2,018	2,277	2,393	2,663	2,745	2,506	2,318	1,960	2,105	27,345	27,281
	2028	2,331	2,033	2,061	2,038	2,300	2,416	2,689	2,772	2,531	2,340	1,979	2,126	27,617	27,555
	2029	2,354	2,053	2,082	2,058	2,323	2,440	2,716	2,799	2,556	2,363	1,998	2,147	27,887	27,825
	2030	2,377	2,073	2,102	2,077	2,345	2,463	2,742	2,826	2,580	2,386	2,017	2,167	28,155	28,093
	2031	2,400	2,093	2,121	2,097	2,367	2,486	2,767	2,852	2,604	2,407	2,035	2,187	28,417	28,357
	2032	2,422	2,112	2,141	2,116	2,388	2,509	2,793	2,878	2,628	2,429	2,054	2,207	28,677	28,617
	2033	2,444	2,132	2,160	2,135	2,410	2,532	2,818	2,905	2,651	2,451	2,072	2,227	28,938	28,878
	2034	2,467	2,151	2,180	2,154	2,432	2,555	2,844	2,931	2,675	2,474	2,091	2,247	29,200	29,139
	2035	2,489	2,171	2,200	2,174	2,454	2,578	2,869	2,958	2,700	2,496	2,110	2,267	29,464	29,403

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.7%	7.6%	7.3%	7.7%	8.7%	9.1%	9.9%	10.5%	9.2%	8.0%	7.1%	7.2%	100.0%
	2007	7.9%	7.7%	7.6%	7.5%	8.7%	9.0%	9.4%	10.6%	9.3%	8.7%	6.7%	7.0%	100.0%
	2008	7.8%	7.0%	7.2%	7.3%	8.9%	9.2%	9.5%	10.1%	10.0%	8.3%	7.3%	7.4%	100.0%
	2009	7.9%	7.2%	7.4%	7.3%	8.5%	9.4%	9.6%	10.2%	9.7%	8.8%	6.7%	7.5%	100.0%
	2010	9.6%	7.9%	7.2%	6.5%	8.8%	9.4%	9.2%	9.6%	8.8%	7.1%	6.3%	9.6%	100.0%
	2011	8.6%	7.0%	7.3%	8.0%	9.0%	9.4%	9.6%	10.5%	9.3%	7.4%	6.8%	7.1%	100.0%
	2012	8.0%	7.2%	7.8%	7.8%	9.2%	8.6%	9.6%	9.9%	9.1%	8.2%	7.0%	7.4%	100.0%
	2013	7.4%	7.1%	7.8%	7.6%	8.3%	8.9%	9.4%	10.7%	9.7%	8.7%	7.0%	7.4%	100.0%
	2014	9.2%	7.1%	7.0%	7.3%	8.8%	8.9%	9.5%	10.2%	9.1%	8.1%	7.1%	7.7%	100.0%
	2015	7.8%	7.3%	7.4%	8.2%	9.2%	9.1%	9.0%	9.8%	9.1%	8.4%	7.1%	7.6%	100.0%
Projected	2016	8.4%	7.4%	7.5%	7.4%	8.3%	8.8%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2017	8.4%	7.3%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2018	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2019	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2020	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2021	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2022	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2023	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2024	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
	2025	8.4%	7.4%	7.5%	7.4%	8.3%	8.7%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%
Avg.	2006-2015	8.2%	7.3%	7.4%	7.5%	8.8%	9.1%	9.5%	10.2%	9.3%	8.2%	6.9%	7.6%	100.0%
	2016-2025	8.4%	7.4%	7.5%	7.4%	8.3%	8.8%	9.7%	10.0%	9.2%	8.5%	7.2%	7.7%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Bushnell**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	5.8	6.7	4.3	5.3	5.3	5.5	5.8	6.0	5.6	5.3	4.7	4.3	6.7	6.0
	2007	5.7	5.5	4.7	4.5	5.1	5.1	5.4	5.8	5.5	5.5	3.9	4.5	5.7	5.8
	2008	5.4	5.1	4.0	4.5	5.1	5.5	5.4	5.5	5.7	4.9	4.9	5.3	5.4	5.7
	2009	7.0	7.1	5.6	4.5	5.4	5.8	5.2	5.7	5.6	5.8	4.0	4.4	7.1	5.8
	2010	8.0	6.0	6.0	4.1	5.5	5.9	5.6	6.0	5.7	5.1	4.0	7.2	8.0	6.0
	2011	6.8	5.7	3.9	5.0	5.3	5.5	5.1	5.9	5.4	4.5	4.1	4.2	7.2	5.9
	2012	6.1	6.3	4.4	4.8	5.2	5.1	5.0	5.6	5.3	5.0	4.3	4.1	6.3	5.6
	2013	4.4	5.5	5.8	4.6	5.1	5.0	5.6	5.9	5.7	5.0	4.4	4.5	5.8	5.9
	2014	6.3	5.3	3.7	4.9	5.1	5.4	5.2	5.8	5.5	5.0	4.9	4.9	6.3	5.8
	2015	5.3	6.7	4.3	4.8	5.6	5.6	5.1	5.8	5.6	5.0	4.1	4.9	6.7	5.8
Projected	2016	6.4	5.8	4.4	4.6	5.1	5.5	5.4	5.8	5.6	5.0	4.1	4.9	6.4	5.8
	2017	6.5	5.8	4.4	4.6	5.2	5.6	5.4	5.9	5.6	5.1	4.1	5.0	6.5	5.9
	2018	6.6	5.9	4.5	4.7	5.3	5.6	5.5	5.9	5.7	5.1	4.2	5.0	6.6	5.9
	2019	6.6	6.0	4.5	4.7	5.3	5.7	5.5	6.0	5.8	5.2	4.2	5.1	6.6	6.0
	2020	6.7	6.0	4.5	4.8	5.4	5.7	5.6	6.1	5.8	5.2	4.3	5.1	6.7	6.1
	2021	6.8	6.1	4.6	4.8	5.4	5.8	5.7	6.1	5.9	5.3	4.3	5.2	6.8	6.1
	2022	6.8	6.1	4.6	4.9	5.5	5.9	5.7	6.2	6.0	5.4	4.4	5.2	6.8	6.2
	2023	6.9	6.2	4.7	4.9	5.5	5.9	5.8	6.2	6.0	5.4	4.4	5.3	6.9	6.2
	2024	7.0	6.3	4.7	5.0	5.6	6.0	5.8	6.3	6.1	5.5	4.5	5.4	7.0	6.3
Projected	2025	7.1	6.3	4.8	5.0	5.7	6.0	5.9	6.4	6.1	5.5	4.5	5.4	7.1	6.4
	2026	7.1	6.4	4.8	5.1	5.7	6.1	5.9	6.4	6.2	5.6	4.5	5.5	7.1	6.4
	2027	7.2	6.5	4.9	5.1	5.8	6.2	6.0	6.5	6.3	5.6	4.6	5.5	7.2	6.5
	2028	7.3	6.5	4.9	5.2	5.8	6.2	6.1	6.6	6.3	5.7	4.6	5.6	7.3	6.6
	2029	7.3	6.6	5.0	5.2	5.9	6.3	6.1	6.6	6.4	5.7	4.7	5.6	7.3	6.6
	2030	7.4	6.7	5.0	5.3	5.9	6.4	6.2	6.7	6.4	5.8	4.7	5.7	7.4	6.7
	2031	7.5	6.7	5.1	5.3	6.0	6.4	6.2	6.8	6.5	5.8	4.8	5.7	7.5	6.8
	2032	7.6	6.8	5.1	5.4	6.1	6.5	6.3	6.8	6.6	5.9	4.8	5.8	7.6	6.8
	2033	7.6	6.8	5.2	5.4	6.1	6.5	6.4	6.9	6.6	6.0	4.9	5.8	7.6	6.9
	2034	7.7	6.9	5.2	5.5	6.2	6.6	6.4	6.9	6.7	6.0	4.9	5.9	7.7	6.9
	2035	7.8	7.0	5.3	5.5	6.2	6.6	6.5	7.0	6.7	6.1	4.9	5.9	7.8	7.0

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										57.3%	55.7%	55.9%		
	2006	45.3%	42.4%	57.4%	49.3%	62.1%	56.9%	60.3%	59.8%	58.1%	51.4%	50.8%	59.7%	43.0%	48.3%
	2007	45.4%	50.7%	53.3%	55.0%	62.3%	57.9%	59.5%	59.6%	57.8%	51.7%	56.3%	52.6%	49.1%	47.7%
	2008	46.4%	47.2%	57.8%	52.1%	62.5%	54.0%	57.9%	58.6%	58.0%	53.8%	47.3%	46.4%	50.3%	47.7%
	2009	38.3%	38.1%	44.6%	55.1%	59.0%	54.1%	64.5%	60.0%	60.1%	51.7%	56.1%	59.8%	40.4%	49.1%
	2010	42.6%	52.1%	43.0%	56.5%	63.7%	57.0%	60.7%	57.2%	56.5%	49.7%	56.1%	49.7%	37.9%	50.5%
	2011	41.7%	44.9%	60.5%	52.6%	61.5%	56.2%	63.3%	58.4%	58.3%	54.5%	54.8%	57.4%	38.9%	47.2%
	2012	42.3%	39.5%	56.7%	51.9%	62.6%	54.0%	64.2%	57.3%	56.8%	53.0%	52.1%	59.5%	43.4%	49.2%
	2013	52.5%	44.9%	42.4%	51.4%	56.9%	54.9%	54.1%	56.8%	54.8%	54.7%	50.4%	53.1%	46.1%	45.2%
Projected	2014	46.6%	47.1%	60.7%	47.9%	61.0%	53.1%	60.7%	56.9%	54.8%	52.2%	46.8%	52.2%	43.1%	47.3%
	2015	48.3%	39.5%	56.9%	56.2%	59.6%	53.6%	59.4%	55.6%	55.3%	54.8%	57.8%	53.1%	41.7%	48.1%
	2016	43.0%	44.8%	56.3%	53.0%	58.8%	52.2%	61.6%	56.7%	55.5%	55.3%	57.3%	52.9%	43.3%	48.0%
	2017	42.9%	46.3%	56.1%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.3%	52.9%	43.3%	48.0%
	2018	43.0%	46.3%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%
	2019	43.0%	46.3%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%
	2020	43.0%	44.7%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%
	2021	43.0%	46.3%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%
	2022	43.0%	46.3%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%
Avg.	2006-2015	44.9%	44.6%	53.3%	52.8%	61.1%	55.2%	60.4%	58.0%	57.0%	52.8%	52.8%	54.3%	43.4%	48.0%
	2016-2025	43.0%	45.9%	56.2%	52.9%	58.7%	52.1%	61.6%	56.7%	55.6%	55.4%	57.4%	53.0%	43.3%	48.0%

FMPA 2016 Load Forecast - Base Case  
**Bushnell**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	4.8	6.6	3.4	5.1	4.7	5.1	5.4	5.5	5.1	4.8	3.1	3.9	6.6	5.5
	2007	5.6	5.5	3.6	4.2	4.3	4.2	5.4	5.2	5.3	5.2	3.7	3.0	5.5	5.2
	2008	5.4	5.0	3.5	3.8	4.2	4.9	5.3	5.3	5.3	4.6	4.2	5.3	5.4	5.3
	2009	6.6	6.7	5.6	3.9	4.6	5.8	4.9	5.6	5.4	5.1	3.0	4.3	6.7	5.8
	2010	7.9	5.8	6.0	3.7	4.8	5.9	5.3	5.0	5.5	4.6	3.8	7.0	7.9	5.9
	2011	6.8	5.7	3.0	4.6	4.8	5.4	5.0	5.2	5.3	4.0	3.7	2.8	7.0	5.2
	2012	5.5	6.3	4.0	4.6	4.6	4.7	4.8	5.3	5.1	4.8	2.6	4.1	5.5	4.8
	2013	4.4	5.5	5.8	4.6	4.5	4.6	5.2	5.0	5.3	4.8	4.2	2.8	5.8	5.0
	2014	6.3	5.3	2.6	4.5	4.7	5.0	4.9	5.4	5.5	5.0	4.8	4.9	6.3	5.4
	2015	5.3	6.7	3.9	4.3	5.0	5.6	4.8	5.3	5.1	4.8	3.6	4.1	6.7	5.6
Projected	2016	6.3	5.8	3.7	4.2	4.6	5.3	5.0	5.2	5.3	4.8	3.6	4.2	6.3	5.2
	2017	6.4	5.8	3.8	4.2	4.7	5.3	5.1	5.3	5.4	4.8	3.6	4.2	6.4	5.3
	2018	6.4	5.9	3.8	4.3	4.7	5.4	5.1	5.3	5.4	4.9	3.7	4.3	6.4	5.3
	2019	6.5	6.0	3.8	4.3	4.8	5.4	5.2	5.4	5.5	4.9	3.7	4.3	6.5	5.4
	2020	6.6	6.0	3.9	4.4	4.8	5.5	5.3	5.5	5.5	5.0	3.8	4.3	6.6	5.5
	2021	6.6	6.1	3.9	4.4	4.9	5.5	5.3	5.5	5.6	5.0	3.8	4.4	6.6	5.5
	2022	6.7	6.1	4.0	4.5	4.9	5.6	5.4	5.6	5.7	5.1	3.8	4.4	6.7	5.6
	2023	6.8	6.2	4.0	4.5	5.0	5.7	5.4	5.6	5.7	5.1	3.9	4.5	6.8	5.6
	2024	6.9	6.3	4.1	4.6	5.0	5.7	5.5	5.7	5.8	5.2	3.9	4.5	6.9	5.7
	2025	6.9	6.3	4.1	4.6	5.1	5.8	5.5	5.7	5.8	5.2	4.0	4.6	6.9	5.7
Projected	2026	7.0	6.4	4.1	4.7	5.1	5.8	5.6	5.8	5.9	5.3	4.0	4.6	7.0	5.8
	2027	7.1	6.5	4.2	4.7	5.2	5.9	5.6	5.9	6.0	5.3	4.0	4.7	7.1	5.9
	2028	7.1	6.5	4.2	4.8	5.2	5.9	5.7	5.9	6.0	5.4	4.1	4.7	7.1	5.9
	2029	7.2	6.6	4.3	4.8	5.3	6.0	5.8	6.0	6.1	5.4	4.1	4.8	7.2	6.0
	2030	7.3	6.7	4.3	4.9	5.3	6.1	5.8	6.0	6.1	5.5	4.2	4.8	7.3	6.0
	2031	7.3	6.7	4.3	4.9	5.4	6.1	5.9	6.1	6.2	5.5	4.2	4.8	7.3	6.1
	2032	7.4	6.8	4.4	4.9	5.4	6.2	5.9	6.1	6.2	5.6	4.2	4.9	7.4	6.1
	2033	7.5	6.8	4.4	5.0	5.5	6.2	6.0	6.2	6.3	5.6	4.3	4.9	7.5	6.2
	2034	7.5	6.9	4.5	5.0	5.5	6.3	6.0	6.3	6.4	5.7	4.3	5.0	7.5	6.3
	2035	7.6	7.0	4.5	5.1	5.6	6.3	6.1	6.3	6.4	5.7	4.3	5.0	7.6	6.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										97.3%	96.5%	92.7%		
	2006	82.5%	97.6%	78.3%	96.4%	89.6%	94.1%	92.7%	91.5%	91.5%	90.9%	65.1%	91.9%	97.6%	91.5%
	2007	99.3%	100.0%	76.3%	93.3%	85.4%	82.8%	100.0%	88.6%	96.2%	95.0%	95.0%	65.8%	96.6%	88.6%
	2008	100.0%	99.0%	88.3%	84.1%	83.7%	89.7%	97.5%	97.2%	92.2%	93.8%	85.4%	100.0%	100.0%	93.8%
	2009	93.9%	94.4%	100.0%	87.6%	86.5%	98.4%	93.9%	98.5%	95.9%	88.2%	75.6%	98.1%	94.4%	98.4%
	2010	98.8%	96.4%	100.0%	91.1%	88.3%	99.5%	93.8%	83.8%	95.5%	89.0%	94.4%	97.4%	98.8%	97.6%
	2011	99.8%	100.0%	75.2%	92.4%	89.8%	98.3%	98.2%	88.0%	97.8%	90.4%	92.2%	67.3%	97.4%	88.0%
	2012	90.4%	100.0%	91.3%	94.3%	87.9%	93.0%	95.8%	96.1%	95.3%	97.1%	59.9%	100.0%	87.7%	85.7%
	2013	100.0%	100.0%	100.0%	99.0%	89.6%	92.0%	93.1%	85.9%	92.9%	97.5%	95.5%	61.7%	100.0%	85.9%
	2014	100.0%	100.0%	70.1%	92.2%	92.8%	94.1%	93.8%	93.3%	98.8%	100.0%	97.7%	100.0%	100.0%	93.3%
	2015	100.0%	100.0%	91.0%	89.4%	89.0%	100.0%	95.0%	92.0%	90.7%	94.8%	87.9%	84.4%	100.0%	96.7%
Projected	2016	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2017	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2018	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2019	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2020	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2021	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2022	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2023	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2024	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
	2025	98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%
2006-2015		96.5%	98.7%	87.1%	92.0%	88.2%	94.2%	95.1%	91.5%	94.7%	93.7%	84.8%	86.6%	97.3%	91.9%
2016-2025		98.0%	100.0%	85.5%	91.9%	89.8%	95.5%	94.0%	90.1%	95.1%	94.8%	87.9%	84.4%	98.0%	90.1%

# FMPA 2016 Load Forecast - Base Case - Bushnell

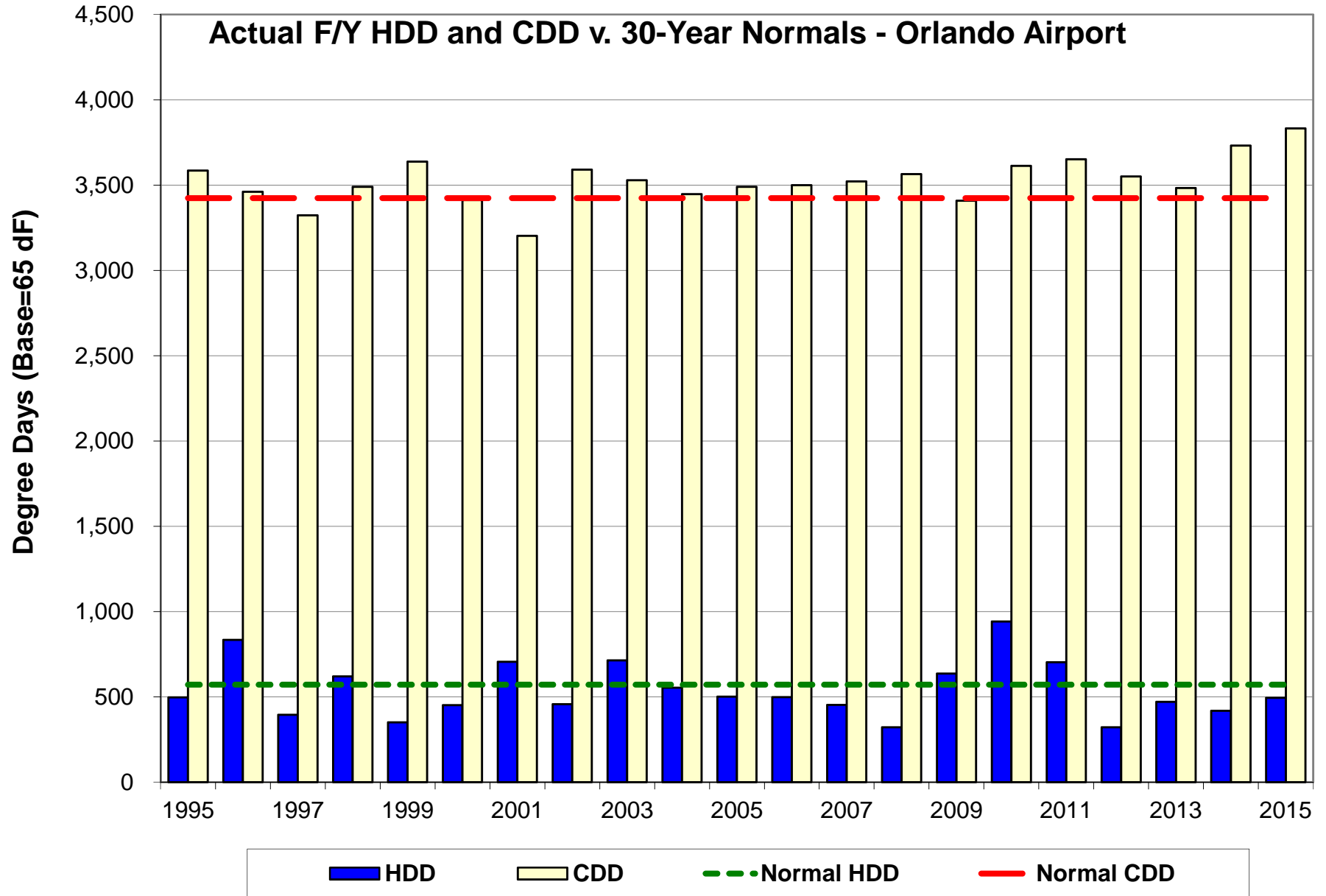
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

Fiscal Year		Residential						General Service						TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	% Chg
																(MWh)		
Historical	2006	9,090		752		12,081		15,580		292		53.4		24,670		1,057	25,727	
	2007	8,696	-4.3%	756	0.5%	11,498	-4.8%	14,901	-4.4%	291	-0.5%	51.3	-3.9%	23,597	-4.4%	1,022	24,619	-4.3%
	2008	8,428	-3.1%	749	-1.0%	11,260	-2.1%	14,453	-3.0%	285	-1.9%	50.7	-1.1%	22,881	-3.0%	941	23,822	-3.2%
	2009	8,512	1.0%	743	-0.7%	11,454	1.7%	14,810	2.5%	283	-0.8%	52.4	3.3%	23,322	1.9%	1,515	24,837	4.3%
	2010	9,223	8.4%	739	-0.5%	12,475	8.9%	16,175	9.2%	283	-0.1%	57.3	9.3%	25,398	8.9%	881	26,279	5.8%
	2011	8,480	-8.1%	724	-2.0%	11,707	-6.2%	15,544	-3.9%	279	-1.2%	55.7	-2.7%	24,024	-5.4%	1,287	25,311	-3.7%
	2012	7,723	-8.9%	736	1.6%	10,491	-10.4%	14,907	-4.1%	278	-0.4%	53.6	-3.8%	22,630	-5.8%	1,045	23,675	-6.5%
	2013	7,939	2.8%	736	0.0%	10,781	2.8%	14,570	-2.3%	281	0.9%	51.9	-3.2%	22,509	-0.5%	753	23,262	-1.7%
	2014	8,149	2.6%	742	0.8%	10,978	1.8%	14,711	1.0%	278	-1.1%	53.0	2.1%	22,860	1.6%	932	23,792	2.3%
Projected	2015	8,301	1.9%	751	1.2%	11,048	0.6%	14,792	0.6%	279	0.4%	53.1	0.2%	23,093	1.0%	1,166	24,259	2.0%
	2016	8,594	3.5%	759	1.1%	11,316	2.4%	14,757	-0.2%	278	-0.2%	53.1	0.0%	23,351	1.1%	1,002	24,354	0.4%
	2017	8,638	0.5%	764	0.7%	11,299	-0.2%	14,914	1.1%	280	0.7%	53.3	0.4%	23,552	0.9%	1,012	24,563	0.9%
	2018	8,766	1.5%	769	0.6%	11,400	0.9%	15,074	1.1%	282	0.6%	53.5	0.5%	23,840	1.2%	1,024	24,864	1.2%
	2019	8,869	1.2%	771	0.3%	11,502	0.9%	15,229	1.0%	283	0.6%	53.8	0.5%	24,099	1.1%	1,035	25,134	1.1%
	2020	8,978	1.2%	774	0.3%	11,603	0.9%	15,382	1.0%	285	0.5%	54.1	0.5%	24,360	1.1%	1,046	25,407	1.1%
	2021	9,084	1.2%	776	0.3%	11,701	0.8%	15,534	1.0%	286	0.5%	54.3	0.5%	24,618	1.1%	1,057	25,675	1.1%
	2022	9,184	1.1%	779	0.3%	11,796	0.8%	15,685	1.0%	287	0.4%	54.6	0.5%	24,868	1.0%	1,068	25,936	1.0%
	2023	9,289	1.1%	781	0.3%	11,896	0.8%	15,835	1.0%	288	0.4%	54.9	0.5%	25,123	1.0%	1,079	26,202	1.0%
	2024	9,396	1.2%	783	0.3%	11,997	0.9%	15,984	0.9%	290	0.4%	55.2	0.6%	25,380	1.0%	1,090	26,470	1.0%
	2025	9,503	1.1%	785	0.3%	12,098	0.8%	16,134	0.9%	291	0.4%	55.5	0.6%	25,637	1.0%	1,101	26,738	1.0%
	2026	9,610	1.1%	788	0.3%	12,202	0.9%	16,284	0.9%	292	0.3%	55.9	0.6%	25,895	1.0%	1,112	27,007	1.0%
	2027	9,721	1.2%	790	0.3%	12,308	0.9%	16,437	0.9%	292	0.3%	56.2	0.6%	26,158	1.0%	1,123	27,281	1.0%
	2028	9,831	1.1%	792	0.3%	12,415	0.9%	16,589	0.9%	293	0.3%	56.5	0.6%	26,420	1.0%	1,135	27,555	1.0%
	2029	9,939	1.1%	794	0.3%	12,517	0.8%	16,740	0.9%	294	0.3%	56.9	0.6%	26,679	1.0%	1,146	27,825	1.0%
	2030	10,047	1.1%	796	0.3%	12,618	0.8%	16,889	0.9%	295	0.3%	57.2	0.6%	26,936	1.0%	1,157	28,093	1.0%
	2031	10,152	1.0%	798	0.3%	12,716	0.8%	17,037	0.9%	296	0.3%	57.6	0.6%	27,189	0.9%	1,168	28,357	0.9%
	2032	10,256	1.0%	800	0.3%	12,813	0.8%	17,183	0.9%	297	0.2%	57.9	0.6%	27,438	0.9%	1,178	28,617	0.9%
	2033	10,360	1.0%	803	0.3%	12,909	0.8%	17,329	0.9%	297	0.2%	58.3	0.6%	27,689	0.9%	1,189	28,878	0.9%
	2034	10,464	1.0%	805	0.3%	13,006	0.7%	17,475	0.8%	298	0.2%	58.7	0.6%	27,939	0.9%	1,200	29,139	0.9%
	2035	10,569	1.0%	807	0.3%	13,102	0.7%	17,623	0.8%	299	0.2%	59.0	0.6%	28,192	0.9%	1,211	29,403	0.9%
CAGR	2006-2015		-1.0%		0.0%		-1.0%		-0.6%		-0.5%		-0.1%		-0.7%			-0.7%
	2016-2025		1.1%		0.4%		0.7%		1.0%		0.5%		0.5%		1.0%			1.0%
	2026-2035		1.1%		0.3%		0.8%		0.9%		0.3%		0.6%		0.9%			0.9%

CAGR - Compound Average Growth Rate

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
 Bushnell (Sumter County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	39.1	-	15.1	-	10.4	-	1.02	-	582	-	735	-	48,731	-
1996	43.3	10.6%	16.7	11.0%	11.2	8.0%	1.27	24.4%	683	17.3%	803	9.3%	48,006	-1.5%
1997	46.8	8.1%	18.1	8.3%	11.6	3.6%	1.62	27.5%	714	4.6%	864	7.6%	47,683	-0.7%
1998	49.2	5.1%	19.1	5.3%	12.0	3.8%	1.80	10.7%	745	4.4%	935	8.2%	49,001	2.8%
1999	51.9	5.6%	20.2	5.9%	12.2	1.7%	1.69	-5.8%	790	6.0%	1,005	7.4%	49,734	1.5%
2000	54.0	4.0%	21.0	4.0%	12.7	3.9%	1.71	1.0%	828	4.8%	1,054	4.9%	50,173	0.9%
2001	56.4	4.3%	22.4	6.6%	13.4	5.3%	1.77	3.5%	912	10.2%	1,173	11.3%	52,358	4.4%
2002	59.8	6.0%	24.3	8.3%	14.6	9.2%	1.92	8.5%	915	0.3%	1,248	6.4%	51,426	-1.8%
2003	62.3	4.2%	25.8	6.3%	17.1	16.7%	2.30	20.1%	1,076	17.6%	1,374	10.1%	53,264	3.6%
2004	65.2	4.7%	27.4	6.2%	18.6	9.1%	2.47	7.5%	1,165	8.3%	1,544	12.4%	56,378	5.8%
2005	70.3	7.8%	29.9	9.1%	21.5	15.8%	1.48	-40.4%	1,391	19.4%	1,750	13.3%	58,536	3.8%
2006	76.9	9.4%	33.0	10.2%	24.0	11.5%	1.74	18.1%	1,523	9.4%	2,006	14.7%	60,888	4.0%
2007	82.5	7.4%	35.5	7.8%	24.8	3.1%	1.20	-31.3%	1,618	6.3%	2,182	8.7%	61,393	0.8%
2008	87.0	5.3%	37.5	5.6%	24.9	0.5%	1.72	43.8%	1,557	-3.8%	2,393	9.7%	63,744	3.8%
2009	91.1	4.7%	39.4	4.9%	25.5	2.4%	1.62	-5.8%	1,614	3.7%	2,540	6.2%	64,492	1.2%
2010	94.9	4.2%	41.5	5.5%	26.4	3.8%	1.31	-19.2%	1,776	10.0%	2,848	12.1%	68,539	6.3%
2011	99.1	4.4%	43.5	4.6%	27.9	5.4%	0.93	-29.1%	1,844	3.8%	3,290	15.5%	75,678	10.4%
2012	103.6	4.5%	46.2	6.3%	28.9	3.9%	0.94	1.9%	1,812	-1.7%	3,621	10.0%	78,349	3.5%
2013	109.2	5.4%	48.9	5.7%	30.8	6.5%	0.98	3.5%	1,947	7.5%	3,741	3.3%	76,565	-2.3%
2014	115.0	5.3%	50.0	2.2%	31.9	3.3%	1.01	3.8%	1,998	2.6%	3,920	4.8%	78,456	2.5%
2015	118.6	3.1%	51.6	3.3%	32.9	3.1%	1.04	2.9%	2,052	2.7%	4,100	4.6%	79,434	1.2%
2016	122.2	3.0%	53.3	3.2%	34.0	3.5%	1.03	-1.6%	2,145	4.5%	4,295	4.8%	80,641	1.5%
2017	125.6	2.8%	54.8	2.9%	35.1	3.3%	1.04	1.2%	2,242	4.5%	4,497	4.7%	82,039	1.7%
2018	128.9	2.7%	56.3	2.7%	36.2	3.0%	1.05	1.1%	2,328	3.9%	4,698	4.5%	83,429	1.7%
2019	132.2	2.5%	57.8	2.6%	37.2	2.8%	1.06	0.5%	2,400	3.1%	4,901	4.3%	84,810	1.7%
2020	135.5	2.5%	59.3	2.6%	38.3	2.8%	1.06	0.5%	2,469	2.9%	5,111	4.3%	86,200	1.6%
2021	138.9	2.5%	60.8	2.6%	39.3	2.7%	1.07	0.5%	2,520	2.1%	5,324	4.2%	87,518	1.5%
2022	142.4	2.5%	62.3	2.5%	40.3	2.7%	1.07	0.4%	2,578	2.3%	5,543	4.1%	88,921	1.6%
2023	146.0	2.5%	63.8	2.4%	41.4	2.6%	1.07	0.2%	2,640	2.4%	5,769	4.1%	90,359	1.6%
2024	149.6	2.5%	65.4	2.4%	42.5	2.6%	1.07	0.2%	2,697	2.2%	6,001	4.0%	91,804	1.6%
2025	153.3	2.5%	66.9	2.3%	43.6	2.6%	1.07	-0.1%	2,756	2.2%	6,241	4.0%	93,288	1.6%
2026	157.1	2.5%	68.5	2.3%	44.7	2.5%	1.07	-0.3%	2,815	2.2%	6,491	4.0%	94,821	1.6%
2027	160.9	2.5%	70.0	2.3%	45.8	2.5%	1.07	-0.2%	2,879	2.2%	6,751	4.0%	96,392	1.7%
2028	164.8	2.4%	71.6	2.3%	47.0	2.5%	1.06	-0.3%	2,941	2.2%	7,015	3.9%	97,913	1.6%
2029	168.9	2.4%	73.3	2.3%	48.1	2.5%	1.06	-0.3%	3,005	2.2%	7,286	3.9%	99,433	1.6%
2030	172.9	2.4%	74.9	2.2%	49.3	2.5%	1.06	-0.2%	3,077	2.4%	7,561	3.8%	100,950	1.5%
2031	177.1	2.4%	76.5	2.2%	50.5	2.4%	1.06	-0.2%	3,139	2.0%	7,839	3.7%	102,431	1.5%
2032	181.3	2.4%	78.2	2.2%	51.8	2.5%	1.05	-0.3%	3,206	2.1%	8,125	3.7%	103,935	1.5%
2033	185.5	2.4%	79.8	2.1%	53.0	2.4%	1.05	-0.3%	3,274	2.1%	8,420	3.6%	105,451	1.5%
2034	189.9	2.3%	81.6	2.1%	54.3	2.3%	1.05	-0.3%	3,345	2.2%	8,723	3.6%	106,964	1.4%
2035	194.3	2.3%	83.3	2.1%	55.5	2.3%	1.04	-0.4%	3,418	2.2%	9,040	3.6%	108,524	1.5%
<b>Average Percent Change</b>														
<b>2005-2015</b>			5.4%	5.6%	4.3%	-3.4%	4.0%	8.9%	3.1%					
<b>2016-2025</b>			2.6%	2.6%	2.8%	0.5%	2.8%	4.2%	1.6%					
<b>2026-2035</b>			2.4%	2.2%	2.5%	-0.3%	2.2%	3.8%	1.5%					



Clewiston

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# FMPA 2016 Load Forecast - Base Case

## Clewiston

### Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	122,505	-	121,284	-	-1.0%	22.4	-	21.0	-	-6.4%	25.8	-	25.7	-	-0.3%
	2007	128,584	5.0%	126,543	4.3%	-1.6%	18.9	-15.4%	24.4	16.5%	28.8%	26.0	0.9%	26.2	2.0%	0.9%
	2008	119,914	-6.7%	117,885	-6.8%	-1.7%	23.2	22.6%	21.9	-10.2%	-5.6%	23.8	-8.3%	24.6	-6.2%	3.2%
	2009	110,751	-7.6%	109,987	-6.7%	-0.7%	21.7	-6.4%	19.0	-13.5%	-12.7%	26.2	10.2%	19.9	-19.0%	-24.2%
	2010	111,347	0.5%	105,622	-4.0%	-5.1%	25.6	18.0%	20.3	7.1%	-20.7%	21.9	-16.6%	21.3	7.0%	-2.7%
	2011	108,348	-2.7%	101,505	-3.9%	-6.3%	23.5	-8.2%	22.4	10.1%	-4.9%	20.3	-7.2%	20.2	-4.9%	-0.3%
	2012	103,126	-4.8%	101,600	0.1%	-1.5%	19.3	-18.2%	18.1	-19.1%	-6.0%	19.7	-2.9%	21.1	4.3%	7.1%
	2013	100,568	-2.5%	99,417	-2.1%	-1.1%	14.9	-22.9%	13.6	-25.1%	-8.7%	19.8	0.4%	19.9	-5.5%	0.9%
	2014	104,563	4.0%	100,978	1.6%	-3.4%	15.9	7.1%	17.4	28.7%	9.6%	21.4	8.2%	21.8	9.4%	2.0%
	2015	105,534	0.9%	102,292	1.3%	-3.1%	26.8	68.6%	15.2	-12.9%	-43.3%	21.3	-0.6%	19.9	-9.0%	-6.6%
Projected	2016	106,712	1.1%	106,712	4.3%		17.1	-36.4%	17.1	12.2%		20.9	-1.6%	20.9	5.3%	
	2017			107,743	1.0%				17.2	1.0%				21.1	1.0%	
	2018			108,887	1.1%				17.4	1.0%				21.3	1.0%	
	2019			109,983	1.0%				17.6	1.0%				21.6	1.0%	
	2020			111,073	1.0%				17.8	1.0%				21.8	1.0%	
	2021			112,181	1.0%				17.9	1.0%				22.0	1.0%	
	2022			113,196	0.9%				18.1	0.9%				22.2	0.9%	
	2023			114,187	0.9%				18.2	0.9%				22.4	0.9%	
	2024			115,152	0.8%				18.4	0.8%				22.6	0.8%	
	2025			116,156	0.9%				18.6	0.9%				22.8	0.9%	
	2026			117,231	0.9%				18.7	0.9%				23.0	0.9%	
	2027			118,301	0.9%				18.9	0.9%				23.2	0.9%	
	2028			119,363	0.9%				19.1	0.9%				23.4	0.9%	
	2029			120,381	0.9%				19.2	0.8%				23.6	0.8%	
	2030			121,368	0.8%				19.4	0.8%				23.8	0.8%	
	2031			122,366	0.8%				19.5	0.8%				24.0	0.8%	
	2032			123,373	0.8%				19.7	0.8%				24.2	0.8%	
	2033			124,448	0.9%				19.9	0.9%				24.4	0.9%	
	2034			125,500	0.8%				20.1	0.9%				24.6	0.9%	
	2035			126,570	0.9%				20.2	0.8%				24.8	0.8%	
CAGR <sup>[3]</sup>	2006-2015		-1.6%		-1.9%			2.0%		-3.5%			-2.1%		-2.8%	
	2016-2025				0.9%					0.9%					0.9%	
	2026-2035				0.9%					0.9%					0.9%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Clewiston**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	122,505	-	122,505	-	23.7	28.8	23.7	28.8	22.4	25.8	22.4	25.8
	2007	128,584	5.0%	128,584	5.0%	25.6	27.9	25.6	31.5	18.9	26.0	18.9	26.0
	2008	119,914	-6.7%	119,914	-6.7%	28.8	26.9	28.8	26.9	23.2	23.8	23.2	23.8
	2009	110,751	-7.6%	110,751	-7.6%	21.8	26.5	21.8	26.5	21.7	26.2	21.7	26.2
	2010	111,347	0.5%	111,347	0.5%	25.6	27.7	25.6	27.7	25.6	21.9	25.6	21.9
	2011	108,348	-2.7%	108,348	-2.7%	23.7	28.6	23.7	28.6	23.5	20.3	23.5	20.3
	2012	103,126	-4.8%	103,126	-4.8%	20.6	27.3	20.6	27.3	19.3	19.7	19.3	19.7
	2013	100,568	-2.5%	100,568	-2.5%	22.9	24.6	22.9	24.6	14.9	19.8	14.9	19.8
	2014	104,563	4.0%	104,563	4.0%	17.4	26.7	17.4	26.7	15.9	21.4	15.9	21.4
	2015	105,534	0.9%	103,851	-0.7%	26.9	26.7	22.8	26.1	26.8	21.3	20.4	19.9
Projected	2016	106,712	1.1%	104,627	0.7%	23.0	26.5	23.0	26.3	17.1	20.9	20.6	20.1
	2017	107,743	1.0%	105,945	1.3%	23.3	26.8	23.3	26.6	17.2	21.1	20.8	20.3
	2018	108,887	1.1%	107,248	1.2%	23.5	27.0	23.6	26.9	17.4	21.3	21.1	20.6
	2019	109,983	1.0%	108,302	1.0%	23.7	27.3	23.8	27.2	17.6	21.6	21.3	20.8
	2020	111,073	1.0%	109,291	0.9%	24.0	27.6	24.1	27.5	17.8	21.8	21.5	21.0
	2021	112,181	1.0%	110,270	0.9%	24.2	27.9	24.3	27.7	17.9	22.0	21.7	21.2
	2022	113,196	0.9%	111,212	0.9%	24.4	28.1	24.5	27.9	18.1	22.2	21.8	21.3
	2023	114,187	0.9%	112,075	0.8%	24.6	28.3	24.7	28.1	18.2	22.4	22.0	21.5
	2024	115,152	0.8%	113,072	0.9%	24.8	28.6	24.9	28.4	18.4	22.6	22.2	21.7
	2025	116,156	0.9%	114,026	0.8%	25.1	28.8	25.1	28.6	18.6	22.8	22.4	21.9
	2026	117,231	0.9%	114,963	0.8%	25.3	29.1	25.3	28.9	18.7	23.0	22.6	22.1
	2027	118,301	0.9%	115,962	0.9%	25.5	29.4	25.5	29.1	18.9	23.2	22.8	22.2
	2028	119,363	0.9%	116,863	0.8%	25.8	29.6	25.7	29.3	19.1	23.4	23.0	22.4
	2029	120,381	0.9%	117,809	0.8%	26.0	29.9	25.9	29.6	19.2	23.6	23.1	22.6
	2030	121,368	0.8%	118,784	0.8%	26.2	30.1	26.1	29.8	19.4	23.8	23.3	22.8
	2031	122,366	0.8%	119,720	0.8%	26.4	30.4	26.4	30.1	19.5	24.0	23.5	23.0
	2032	123,373	0.8%	120,775	0.9%	26.6	30.6	26.6	30.3	19.7	24.2	23.7	23.2
	2033	124,448	0.9%	121,952	1.0%	26.8	30.9	26.9	30.6	19.9	24.4	24.0	23.4
	2034	125,500	0.8%	123,160	1.0%	27.1	31.2	27.1	30.9	20.1	24.6	24.2	23.6
	2035	126,570	0.9%			27.3	31.4			20.2	24.8		
CAGR <sup>[1]</sup>	Historical		-1.6%		-2.0%	1.4%	-0.8%	-3.8%	-0.9%	4.4%	-2.5%	-2.5%	-2.7%
	1st 10 Prj Yrs		0.9%		1.0%	0.9%	0.9%	1.0%	1.0%	0.9%	0.9%	1.0%	1.0%
	2nd 10 Prj Yrs		0.9%		0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%

[1] CAGR - Compound Annual Growth Rate



FMPA 2016 Load Forecast - Base Case

**Clewiston**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	8,951	7,810	8,482	9,609	10,801	11,245	13,184	12,114	11,724	11,607	8,654	9,289	123,468	122,505
	2007	10,376	8,249	8,786	9,466	10,709	11,346	13,035	14,372	12,696	13,485	10,034	9,044	131,597	128,584
	2008	8,236	7,940	8,736	8,614	10,609	10,985	10,360	11,134	10,737	9,320	7,200	8,064	111,935	119,914
	2009	7,945	7,223	7,879	8,633	11,203	11,595	10,438	10,864	10,386	9,989	7,981	7,757	111,895	110,751
	2010	8,977	7,188	7,431	7,791	10,197	11,581	10,877	10,796	10,783	9,321	7,349	8,593	110,883	111,347
	2011	7,296	6,677	7,571	9,167	9,859	11,216	10,356	10,874	10,067	8,665	7,402	7,218	106,370	108,348
	2012	7,301	7,041	7,937	7,930	9,411	10,207	10,120	10,283	9,611	9,241	7,139	7,287	103,508	103,126
	2013	7,044	6,906	6,850	8,208	8,782	9,858	9,339	10,354	9,560	9,495	7,783	7,369	101,548	100,568
	2014	7,247	6,685	7,368	8,276	9,730	10,300	9,964	10,901	9,446	8,946	6,830	7,030	102,722	104,563
	2015	6,786	6,564	8,196	9,089	9,976	11,111	10,390	10,616	10,002	9,693	7,684	7,609	107,714	105,534
Projected	2016	7,351	7,439	7,977	8,305	9,325	10,602	9,723	11,290	9,713	9,735	7,818	7,688	106,967	106,712
	2017	7,432	7,496	8,015	8,396	9,439	10,719	9,813	11,386	9,806	9,843	7,910	7,777	108,031	107,743
	2018	7,509	7,571	8,098	8,489	9,543	10,833	9,908	11,500	9,906	9,946	7,994	7,858	109,155	108,887
	2019	7,585	7,649	8,181	8,577	9,641	10,941	9,999	11,610	10,002	10,042	8,072	7,935	110,235	109,983
	2020	7,658	7,725	8,263	8,665	9,739	11,050	10,093	11,726	10,104	10,146	8,157	8,019	111,346	111,073
	2021	7,737	7,806	8,348	8,754	9,837	11,158	10,184	11,836	10,198	10,240	8,233	8,093	112,426	112,181
	2022	7,807	7,878	8,425	8,836	9,928	11,258	10,269	11,940	10,289	10,332	8,307	8,167	113,435	113,196
	2023	7,876	7,949	8,501	8,916	10,016	11,356	10,352	12,041	10,376	10,420	8,379	8,237	114,418	114,187
	2024	7,942	8,017	8,574	8,993	10,102	11,451	10,433	12,140	10,462	10,507	8,450	8,308	115,381	115,152
Projected	2025	8,009	8,087	8,650	9,074	10,193	11,552	10,520	12,247	10,557	10,604	8,529	8,386	116,410	116,156
	2026	8,084	8,164	8,732	9,161	10,289	11,659	10,611	12,358	10,653	10,701	8,609	8,465	117,486	117,231
	2027	8,158	8,240	8,813	9,247	10,385	11,765	10,701	12,468	10,749	10,798	8,688	8,543	118,555	118,301
	2028	8,231	8,316	8,894	9,333	10,480	11,870	10,790	12,577	10,844	10,894	8,765	8,619	119,612	119,363
	2029	8,303	8,390	8,972	9,415	10,571	11,969	10,874	12,679	10,932	10,982	8,837	8,690	120,613	120,381
	2030	8,369	8,459	9,046	9,495	10,659	12,068	10,959	12,782	11,022	11,074	8,913	8,764	121,610	121,368
	2031	8,439	8,531	9,123	9,575	10,748	12,166	11,041	12,882	11,109	11,162	8,984	8,834	122,595	122,366
	2032	8,506	8,601	9,198	9,656	10,839	12,268	11,129	12,991	11,205	11,260	9,065	8,915	123,633	123,373
	2033	8,582	8,678	9,281	9,743	10,935	12,373	11,218	13,099	11,299	11,354	9,141	8,990	124,694	124,448
	2034	8,653	8,752	9,360	9,828	11,030	12,478	11,308	13,209	11,396	11,453	9,222	9,070	125,760	125,500
	2035	8,728	8,830	9,442	9,915	11,125	12,583	11,397	13,317	11,489	11,547	9,298	9,145	126,815	126,570

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.3%	6.9%	7.8%	8.7%	9.1%	10.7%	9.8%	9.5%	9.4%	7.0%	7.5%	100.0%
	2007	7.9%	6.3%	6.7%	7.2%	8.1%	8.6%	9.9%	10.9%	9.6%	10.2%	7.6%	6.9%	100.0%
	2008	7.4%	7.1%	7.8%	7.7%	9.5%	9.8%	9.3%	9.9%	9.6%	8.3%	6.4%	7.2%	100.0%
	2009	7.1%	6.5%	7.0%	7.7%	10.0%	10.4%	9.3%	9.7%	9.3%	8.9%	7.1%	6.9%	100.0%
	2010	8.1%	6.5%	6.7%	7.0%	9.2%	10.4%	9.8%	9.7%	9.7%	8.4%	6.6%	7.7%	100.0%
	2011	6.9%	6.3%	7.1%	8.6%	9.3%	10.5%	9.7%	10.2%	9.5%	8.1%	7.0%	6.8%	100.0%
	2012	7.1%	6.8%	7.7%	7.7%	9.1%	9.9%	9.8%	9.9%	9.3%	8.9%	6.9%	7.0%	100.0%
	2013	6.9%	6.8%	6.7%	8.1%	8.6%	9.7%	9.2%	10.2%	9.4%	9.4%	7.7%	7.3%	100.0%
	2014	7.1%	6.5%	7.2%	8.1%	9.5%	10.0%	9.7%	10.6%	9.2%	8.7%	6.6%	6.8%	100.0%
	2015	6.3%	6.1%	7.6%	8.4%	9.3%	10.3%	9.6%	9.9%	9.3%	9.0%	7.1%	7.1%	100.0%
Projected	2016	6.9%	7.0%	7.5%	7.8%	8.7%	9.9%	9.1%	10.6%	9.1%	9.1%	7.3%	7.2%	100.0%
	2017	6.9%	6.9%	7.4%	7.8%	8.7%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2018	6.9%	6.9%	7.4%	7.8%	8.7%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2019	6.9%	6.9%	7.4%	7.8%	8.7%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2020	6.9%	6.9%	7.4%	7.8%	8.7%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2021	6.9%	6.9%	7.4%	7.8%	8.8%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2022	6.9%	6.9%	7.4%	7.8%	8.8%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2023	6.9%	6.9%	7.4%	7.8%	8.8%	9.9%	9.0%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
	2024	6.9%	6.9%	7.4%	7.8%	8.8%	9.9%	9.0%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%
Avg.	2006-2015	7.2%	6.5%	7.1%	7.8%	9.1%	9.9%	9.7%	10.1%	9.4%	8.9%	7.0%	7.1%	100.0%
	2016-2025	6.9%	6.9%	7.4%	7.8%	8.7%	9.9%	9.1%	10.5%	9.1%	9.1%	7.3%	7.2%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Clewiston**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	19.7	23.7	19.8	25.3	27.5	24.4	28.6	26.2	28.8	28.4	24.3	24.6	23.7	28.8
	2007	23.1	20.8	25.6	24.1	24.2	24.7	26.7	27.9	26.6	31.5	28.8	20.7	25.6	27.9
	2008	24.0	18.9	25.1	18.2	21.2	26.3	21.2	26.9	25.6	21.6	17.1	17.5	28.8	26.9
	2009	20.9	21.8	17.2	19.2	23.2	26.5	21.2	21.5	22.3	22.3	23.1	16.1	21.8	26.5
	2010	25.6	18.2	19.0	20.0	23.6	27.7	21.4	23.2	24.0	25.2	16.9	23.7	25.6	27.7
	2011	20.1	15.1	17.3	22.0	20.0	24.8	21.0	28.6	20.6	20.8	19.5	15.1	23.7	28.6
	2012	20.6	16.2	18.7	17.4	19.9	24.6	27.3	21.4	20.4	21.4	19.9	15.1	20.6	27.3
	2013	17.4	22.9	14.9	18.0	18.4	24.6	19.6	20.8	19.7	21.3	17.4	16.0	22.9	24.6
	2014	15.9	15.6	17.0	19.5	22.4	23.8	21.1	22.2	26.7	19.6	16.4	14.5	17.4	26.7
	2015	14.4	26.9	17.1	19.7	20.8	26.7	21.4	22.1	21.2	22.5	23.0	15.9	26.9	26.7
Projected	2016	20.2	16.8	18.2	18.9	20.1	26.5	20.9	23.6	21.5	22.3	23.3	16.0	23.0	26.5
	2017	20.4	16.9	18.3	19.1	20.3	26.8	21.1	23.9	21.7	22.6	23.5	16.2	23.3	26.8
	2018	20.6	17.1	18.5	19.3	20.5	27.0	21.3	24.1	21.9	22.8	23.7	16.4	23.5	27.0
	2019	20.8	17.3	18.7	19.5	20.7	27.3	21.5	24.3	22.1	23.0	24.0	16.5	23.7	27.3
	2020	21.0	17.4	18.9	19.7	21.0	27.6	21.7	24.6	22.4	23.3	24.2	16.7	24.0	27.6
	2021	21.2	17.6	19.1	19.9	21.2	27.9	21.9	24.8	22.6	23.5	24.4	16.8	24.2	27.9
	2022	21.4	17.8	19.2	20.1	21.4	28.1	22.1	25.0	22.8	23.7	24.6	17.0	24.4	28.1
	2023	21.6	17.9	19.4	20.2	21.5	28.3	22.3	25.3	23.0	23.9	24.8	17.1	24.6	28.3
	2024	21.8	18.1	19.6	20.4	21.7	28.6	22.5	25.5	23.2	24.1	25.1	17.3	24.8	28.6
	2025	22.0	18.2	19.8	20.6	21.9	28.8	22.7	25.7	23.4	24.3	25.3	17.4	25.1	28.8
Projected	2026	22.2	18.4	19.9	20.8	22.1	29.1	22.9	25.9	23.6	24.5	25.5	17.6	25.3	29.1
	2027	22.4	18.6	20.1	21.0	22.3	29.4	23.1	26.2	23.8	24.8	25.8	17.8	25.5	29.4
	2028	22.6	18.7	20.3	21.2	22.5	29.6	23.3	26.4	24.0	25.0	26.0	17.9	25.8	29.6
	2029	22.8	18.9	20.5	21.3	22.7	29.9	23.5	26.6	24.2	25.2	26.2	18.1	26.0	29.9
	2030	22.9	19.0	20.6	21.5	22.9	30.1	23.7	26.8	24.4	25.4	26.4	18.2	26.2	30.1
	2031	23.1	19.2	20.8	21.7	23.1	30.4	23.9	27.1	24.6	25.6	26.6	18.4	26.4	30.4
	2032	23.3	19.4	21.0	21.9	23.3	30.6	24.1	27.3	24.8	25.8	26.8	18.5	26.6	30.6
	2033	23.5	19.5	21.2	22.1	23.5	30.9	24.3	27.5	25.0	26.0	27.1	18.7	26.8	30.9
	2034	23.7	19.7	21.3	22.2	23.7	31.2	24.5	27.8	25.2	26.3	27.3	18.8	27.1	31.2
	2035	23.9	19.9	21.5	22.4	23.9	31.4	24.7	28.0	25.5	26.5	27.5	19.0	27.3	31.4

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										54.3%	54.2%	63.5%		
	2006	61.0%	48.9%	57.4%	51.0%	58.4%	61.9%	63.9%	62.2%	56.5%	54.9%	47.8%	52.5%	59.4%	48.9%
	2007	60.4%	59.1%	46.1%	52.7%	65.9%	61.8%	67.9%	69.3%	66.2%	57.6%	46.8%	60.6%	58.6%	53.9%
	2008	46.1%	60.4%	46.7%	63.5%	74.3%	56.0%	68.0%	55.7%	58.2%	57.9%	56.4%	64.0%	44.4%	47.5%
	2009	51.1%	49.3%	61.6%	60.4%	71.9%	58.8%	68.3%	67.8%	64.8%	60.2%	46.4%	66.8%	58.6%	48.2%
	2010	47.0%	58.9%	52.5%	52.5%	64.2%	56.3%	70.7%	62.6%	62.4%	49.8%	58.6%	50.3%	49.4%	45.8%
	2011	48.7%	65.8%	58.9%	55.9%	73.3%	60.7%	68.6%	51.1%	67.8%	56.0%	51.0%	66.5%	51.2%	42.4%
	2012	47.7%	62.6%	56.9%	61.3%	70.4%	55.7%	51.5%	64.7%	65.3%	58.1%	48.2%	67.1%	57.4%	43.3%
	2013	54.3%	44.9%	62.0%	61.4%	71.2%	53.9%	66.2%	66.9%	67.5%	60.0%	60.0%	63.9%	50.7%	47.1%
	2014	61.2%	63.8%	58.2%	57.1%	64.6%	58.1%	65.6%	65.9%	49.1%	61.5%	56.0%	67.3%	67.2%	43.9%
	2015	63.4%	36.3%	64.4%	62.1%	71.4%	56.0%	67.5%	64.6%	65.4%	57.9%	44.8%	66.5%	45.7%	46.1%
Projected	2016	49.0%	63.8%	59.1%	59.0%	68.9%	53.8%	64.8%	64.3%	62.8%	58.6%	45.2%	66.6%	53.0%	46.1%
	2017	49.0%	65.9%	58.8%	59.1%	69.1%	53.8%	64.7%	64.2%	62.8%	58.6%	45.2%	66.6%	53.0%	46.1%
	2018	49.0%	65.9%	58.8%	59.1%	69.1%	53.8%	64.7%	64.1%	62.8%	58.6%	45.3%	66.7%	53.0%	46.1%
	2019	49.0%	65.9%	58.8%	59.1%	69.1%	53.8%	64.6%	64.1%	62.8%	58.6%	45.3%	66.7%	53.0%	46.1%
	2020	49.0%	63.6%	58.8%	59.1%	69.2%	53.8%	64.6%	64.1%	62.8%	58.6%	45.3%	66.7%	53.0%	46.1%
	2021	49.0%	66.0%	58.8%	59.2%	69.2%	53.8%	64.5%	64.1%	62.8%	58.6%	45.3%	66.7%	53.0%	46.1%
	2022	49.0%	66.0%	58.8%	59.2%	69.2%	53.8%	64.5%	64.1%	62.7%	58.6%	45.3%	66.8%	53.0%	46.1%
	2023	49.0%	66.0%	58.9%	59.2%	69.2%	53.8%	64.5%	64.1%	62.7%	58.6%	45.3%	66.8%	53.0%	46.1%
	2024	49.0%	63.7%	58.9%	59.2%	69.2%	53.8%	64.4%	64.1%	62.7%	58.6%	45.3%	66.8%	53.0%	46.1%
	2025	49.0%	66.0%	58.9%	59.2%	69.2%	53.8%	64.4%	64.0%	62.7%	58.6%	45.3%	66.8%	53.0%	46.1%
Avg.	2006-2015	54.1%	55.0%	56.5%	57.8%	68.6%	57.9%	65.8%	63.1%	62.3%	57.4%	51.6%	62.6%	54.2%	46.7%
	2016-2025	49.0%	65.3%	58.8%	59.1%	69.1%	53.8%	64.6%	64.1%	62.8%	58.6%	45.3%	66.7%	53.0%	46.1%

FMPA 2016 Load Forecast - Base Case  
**Clewiston**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	18.5	22.4	17.3	19.8	26.7	24.4	24.7	25.8	22.8	23.1	20.7	24.6	22.4	25.8
	2007	20.5	18.9	18.6	19.2	21.6	24.4	21.3	26.0	21.3	25.6	22.1	17.8	18.9	26.0
	2008	23.2	14.8	25.1	16.2	21.2	19.9	20.9	23.8	20.8	18.4	17.0	13.8	23.2	23.8
	2009	20.6	21.7	17.0	17.0	22.4	26.2	19.8	19.5	19.3	20.2	17.4	13.0	21.7	26.2
	2010	25.6	16.7	19.0	15.2	18.7	21.9	20.4	21.6	20.0	17.8	15.5	23.5	25.6	21.9
	2011	19.5	12.4	15.9	20.2	18.3	20.9	19.2	20.3	19.1	18.3	16.9	14.2	23.5	20.3
	2012	19.3	15.1	15.5	17.3	18.2	20.8	19.7	20.0	18.2	16.2	12.6	12.0	19.3	19.7
	2013	9.8	13.9	14.9	17.7	18.1	18.8	14.8	19.8	19.2	18.2	17.4	15.0	14.9	19.8
	2014	15.9	11.6	13.6	18.1	19.1	20.0	20.6	21.4	15.6	19.3	10.2	11.6	15.9	21.4
	2015	11.0	26.8	16.7	18.3	20.2	21.3	19.5	19.5	19.9	18.8	18.6	14.0	26.8	21.3
Projected	2016	17.1	13.7	16.4	18.0	18.7	21.7	18.0	20.9	18.5	18.7	18.8	14.1	17.1	20.9
	2017	17.2	13.9	16.6	18.1	18.9	21.9	18.2	21.1	18.7	18.9	19.0	14.3	17.2	21.1
	2018	17.4	14.0	16.8	18.3	19.1	22.1	18.4	21.3	18.9	19.1	19.2	14.4	17.4	21.3
	2019	17.6	14.2	16.9	18.5	19.2	22.3	18.6	21.6	19.1	19.3	19.4	14.6	17.6	21.6
	2020	17.8	14.3	17.1	18.7	19.4	22.5	18.8	21.8	19.3	19.5	19.6	14.7	17.8	21.8
	2021	17.9	14.4	17.3	18.9	19.6	22.8	19.0	22.0	19.5	19.7	19.8	14.9	17.9	22.0
	2022	18.1	14.6	17.4	19.0	19.8	23.0	19.1	22.2	19.7	19.9	19.9	15.0	18.1	22.2
	2023	18.2	14.7	17.6	19.2	20.0	23.2	19.3	22.4	19.8	20.0	20.1	15.1	18.2	22.4
	2024	18.4	14.8	17.7	19.4	20.1	23.4	19.5	22.6	20.0	20.2	20.3	15.2	18.4	22.6
	2025	18.6	15.0	17.9	19.5	20.3	23.6	19.6	22.8	20.2	20.4	20.5	15.4	18.6	22.8
Projected	2026	18.7	15.1	18.0	19.7	20.5	23.8	19.8	23.0	20.4	20.6	20.6	15.5	18.7	23.0
	2027	18.9	15.2	18.2	19.9	20.7	24.0	20.0	23.2	20.5	20.7	20.8	15.7	18.9	23.2
	2028	19.1	15.4	18.4	20.1	20.9	24.2	20.2	23.4	20.7	20.9	21.0	15.8	19.1	23.4
	2029	19.2	15.5	18.5	20.2	21.1	24.4	20.3	23.6	20.9	21.1	21.2	15.9	19.2	23.6
	2030	19.4	15.6	18.7	20.4	21.2	24.6	20.5	23.8	21.1	21.3	21.4	16.1	19.4	23.8
	2031	19.5	15.7	18.8	20.6	21.4	24.8	20.7	24.0	21.2	21.5	21.5	16.2	19.5	24.0
	2032	19.7	15.9	19.0	20.8	21.6	25.0	20.8	24.2	21.4	21.6	21.7	16.3	19.7	24.2
	2033	19.9	16.0	19.2	20.9	21.8	25.2	21.0	24.4	21.6	21.8	21.9	16.5	19.9	24.4
	2034	20.1	16.2	19.3	21.1	22.0	25.5	21.2	24.6	21.8	22.0	22.1	16.6	20.1	24.6
	2035	20.2	16.3	19.5	21.3	22.1	25.7	21.4	24.8	22.0	22.2	22.3	16.7	20.2	24.8

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										85.6%	80.0%	74.5%		
	2006	93.6%	94.3%	87.2%	78.3%	97.0%	100.0%	86.3%	98.4%	79.1%	81.4%	85.2%	100.0%	94.3%	89.4%
	2007	88.7%	91.2%	72.6%	79.7%	89.2%	99.0%	79.9%	93.2%	80.1%	81.4%	76.9%	85.7%	73.9%	93.2%
	2008	96.8%	78.1%	100.0%	89.1%	99.7%	75.7%	98.8%	88.5%	81.3%	85.0%	99.0%	78.7%	80.7%	88.5%
	2009	98.5%	99.7%	98.7%	88.6%	96.5%	98.9%	93.3%	90.6%	86.6%	90.8%	75.1%	80.8%	99.7%	98.9%
	2010	100.0%	91.7%	100.0%	76.1%	79.4%	79.1%	95.4%	93.1%	83.2%	70.7%	91.8%	99.2%	100.0%	79.1%
	2011	96.7%	82.2%	92.1%	91.5%	91.7%	84.2%	91.6%	70.9%	92.5%	87.9%	86.8%	94.1%	99.2%	70.9%
	2012	93.5%	93.2%	82.5%	99.4%	91.3%	84.4%	72.3%	93.6%	89.2%	76.0%	63.4%	79.5%	93.5%	72.3%
	2013	56.1%	60.6%	100.0%	98.4%	98.7%	76.3%	75.7%	95.1%	97.4%	85.6%	100.0%	93.8%	64.9%	80.4%
	2014	100.0%	74.3%	80.3%	92.6%	85.2%	84.0%	97.6%	96.3%	58.5%	98.7%	62.4%	80.3%	91.2%	80.2%
	2015	76.2%	99.7%	97.9%	93.0%	97.0%	79.7%	91.1%	88.1%	93.8%	83.8%	80.9%	88.2%	99.7%	79.7%
Projected	2016	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2017	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2018	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2019	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2020	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2021	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2022	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2023	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2024	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2025	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%
	2006-2015	90.0%	86.5%	91.1%	88.7%	92.6%	86.1%	88.2%	90.8%	84.2%	84.1%	82.1%	88.0%	89.7%	83.3%
	2016-2025	84.5%	82.0%	90.5%	94.9%	92.8%	81.7%	86.5%	88.6%	86.3%	83.8%	80.9%	88.2%	74.1%	78.9%

# FMPA 2016 Load Forecast - Base Case - Clewiston

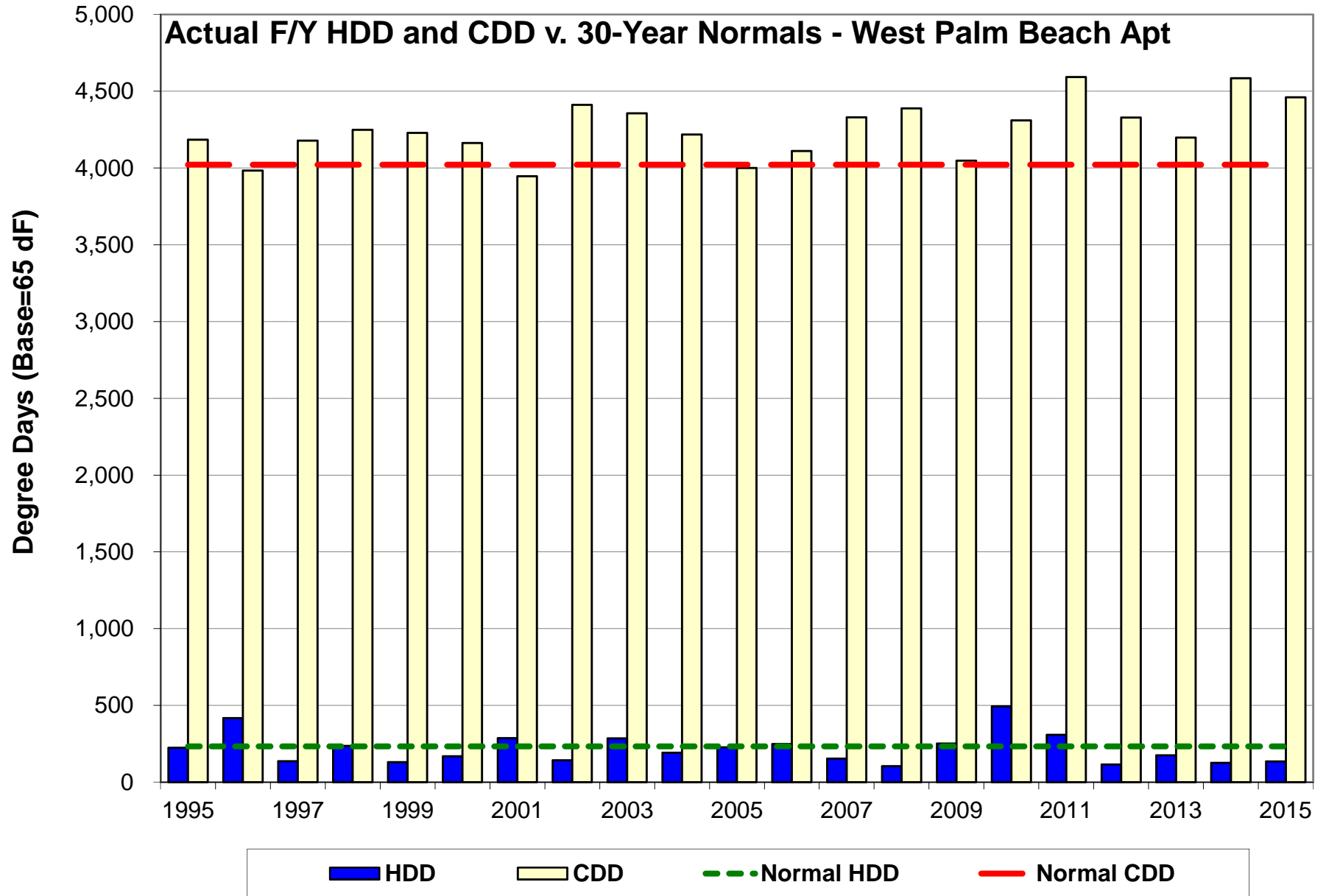
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

Fiscal Year	Residential						General Service Non-Demand						General Service Demand						US Sugar		Lights		TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg		(MWh)	% Chg
Historical	2006	52,978		3,325		15,935		11,360		555		20.5		36,763		98		377		12,351		737		114,188		8,317	122,505
	2007	52,567	-0.8%	3,349	0.7%	15,699	-1.5%	11,943	5.1%	568	2.5%	21.0	2.6%	37,052	0.8%	101	3.4%	367	-2.5%	16,237	31.5%	737	0.0%	118,536	3.8%	10,048	128,584
	2008	50,957	-3.1%	3,353	0.1%	15,198	-3.2%	10,249	-14.2%	550	-3.2%	18.6	-11.4%	39,620	6.9%	116	14.9%	342	-6.9%	9,958	-38.7%	725	-1.6%	111,509	-5.9%	8,404	119,914
	2009	49,474	-2.9%	3,324	-0.9%	14,884	-2.1%	9,969	-2.7%	523	-5.0%	19.1	2.4%	38,063	-3.9%	116	0.1%	328	-4.0%	5,738	-42.4%	712	-1.8%	103,956	-6.8%	6,795	110,751
	2010	52,193	5.5%	3,306	-0.5%	15,787	6.1%	10,350	3.8%	523	-0.1%	19.8	3.9%	37,595	-1.2%	117	0.6%	322	-1.8%	2,230	-61.1%	715	0.4%	103,083	-0.8%	8,265	111,347
	2011	49,594	-5.0%	3,325	0.6%	14,917	-5.5%	10,409	0.6%	515	-1.4%	20.2	2.0%	36,128	-3.9%	119	1.9%	304	-5.7%	3,487	56.4%	512	-28.4%	100,130	-2.9%	8,218	108,348
	2012	47,531	-4.2%	3,335	0.3%	14,254	-4.4%	9,174	-11.9%	503	-2.3%	18.2	-9.8%	37,195	3.0%	122	2.8%	304	0.1%	1,825	-47.7%	402	-21.5%	96,127	-4.0%	6,999	103,126
	2013	45,414	-4.5%	3,351	0.5%	13,552	-4.9%	7,837	-14.6%	499	-0.8%	15.7	-13.9%	36,033	-3.1%	127	3.6%	284	-6.5%	2,582	41.5%	387	-3.9%	92,253	-4.0%	8,315	100,568
	2014	48,637	7.1%	3,384	1.0%	14,371	6.0%	8,527	8.8%	487	-2.4%	17.5	11.5%	37,352	3.7%	129	1.6%	290	2.0%	2,720	5.3%	412	6.7%	97,648	5.8%	6,915	104,563
	2015	50,179	3.2%	3,430	1.3%	14,632	1.8%	8,746	2.6%	474	-2.8%	18.5	5.5%	37,752	1.1%	130	1.0%	290	0.0%	1,676	-38.4%	381	-7.5%	98,734	1.1%	6,800	105,534
Projected	2016	48,875	-2.6%	3,424	-0.2%	14,275	-2.4%	9,018	3.1%	472	-0.4%	19.1	3.5%	38,895	3.0%	130	-0.3%	300	3.4%	1,975	17.9%	381	0.0%	99,145	0.4%	7,567	106,712
	2017	48,892	0.0%	3,422	-0.1%	14,287	0.1%	9,214	2.2%	480	1.8%	19.2	0.4%	39,648	1.9%	131	1.4%	302	0.5%	1,975	0.0%	381	0.0%	100,110	1.0%	7,633	107,743
	2018	49,178	0.6%	3,431	0.3%	14,335	0.3%	9,346	1.4%	485	1.0%	19.3	0.4%	40,292	1.6%	133	1.4%	302	0.2%	1,975	0.0%	381	0.0%	101,173	1.1%	7,714	108,887
	2019	49,482	0.6%	3,442	0.3%	14,377	0.3%	9,440	1.0%	488	0.7%	19.3	0.3%	40,912	1.5%	135	1.4%	303	0.1%	1,975	0.0%	381	0.0%	102,191	1.0%	7,792	109,983
	2020	49,769	0.6%	3,450	0.3%	14,424	0.3%	9,518	0.8%	491	0.5%	19.4	0.3%	41,558	1.6%	137	1.5%	303	0.1%	1,975	0.0%	381	0.0%	103,202	1.0%	7,871	111,073
	2021	50,075	0.6%	3,461	0.3%	14,467	0.3%	9,588	0.7%	493	0.5%	19.4	0.3%	42,213	1.6%	139	1.5%	303	0.1%	1,975	0.0%	381	0.0%	104,232	1.0%	7,950	112,181
	2022	50,325	0.5%	3,470	0.2%	14,504	0.3%	9,650	0.6%	495	0.4%	19.5	0.2%	42,843	1.5%	141	1.4%	304	0.1%	1,975	0.0%	381	0.0%	105,174	0.9%	8,022	113,196
	2023	50,589	0.5%	3,480	0.3%	14,536	0.2%	9,706	0.6%	497	0.4%	19.5	0.2%	43,442	1.4%	143	1.3%	304	0.1%	1,975	0.0%	381	0.0%	106,094	0.9%	8,093	114,187
	2024	50,810	0.4%	3,487	0.2%	14,572	0.3%	9,763	0.6%	499	0.4%	19.6	0.2%	44,060	1.4%	145	1.3%	304	0.1%	1,975	0.0%	381	0.0%	106,990	0.8%	8,162	115,152
	2025	51,065	0.5%	3,495	0.2%	14,611	0.3%	9,820	0.6%	501	0.4%	19.6	0.2%	44,680	1.4%	147	1.3%	304	0.1%	1,975	0.0%	381	0.0%	107,922	0.9%	8,234	116,156
	2026	51,360	0.6%	3,505	0.3%	14,652	0.3%	9,877	0.6%	503	0.4%	19.6	0.2%	45,326	1.4%	149	1.3%	305	0.1%	1,975	0.0%	381	0.0%	108,920	0.9%	8,311	117,231
	2027	51,616	0.5%	3,512	0.2%	14,698	0.3%	9,937	0.6%	505	0.4%	19.7	0.2%	46,003	1.5%	151	1.4%	305	0.1%	1,975	0.0%	381	0.0%	109,913	0.9%	8,388	118,301
	2028	51,885	0.5%	3,520	0.2%	14,741	0.3%	9,995	0.6%	507	0.4%	19.7	0.2%	46,663	1.4%	153	1.3%	305	0.1%	1,975	0.0%	381	0.0%	110,900	0.9%	8,464	119,363
	2029	52,138	0.5%	3,530	0.3%	14,771	0.2%	10,051	0.6%	509	0.4%	19.8	0.2%	47,299	1.4%	155	1.3%	306	0.1%	1,975	0.0%	381	0.0%	111,845	0.9%	8,537	120,381
	2030	52,362	0.4%	3,538	0.2%	14,800	0.2%	10,106	0.5%	510	0.4%	19.8	0.2%	47,936	1.3%	157	1.3%	306	0.1%	1,975	0.0%	381	0.0%	112,761	0.8%	8,607	121,368
	2031	52,610	0.5%	3,548	0.3%	14,829	0.2%	10,159	0.5%	512	0.3%	19.8	0.2%	48,562	1.3%	159	1.2%	306	0.1%	1,975	0.0%	381	0.0%	113,687	0.8%	8,679	122,366
	2032	52,845	0.4%	3,556	0.2%	14,862	0.2%	10,214	0.5%	514	0.4%	19.9	0.2%	49,206	1.3%	161	1.2%	307	0.1%	1,975	0.0%	381	0.0%	114,622	0.8%	8,751	123,373
	2033	53,118	0.5%	3,566	0.3%	14,897	0.2%	10,270	0.6%	516	0.4%	19.9	0.2%	49,875	1.4%	163	1.3%	307	0.1%	1,975	0.0%	381	0.0%	115,620	0.9%	8,828	124,448
	2034	53,363	0.5%	3,573	0.2%	14,934	0.2%	10,327	0.5%	518	0.4%	19.9	0.2%	50,550	1.4%	165	1.3%	307	0.1%	1,975	0.0%	381	0.0%	116,597	0.8%	8,904	125,500
	2035	53,624	0.5%	3,583	0.3%	14,966	0.2%	10,383	0.5%	520	0.4%	20.0	0.2%	51,226	1.3%	167	1.2%	307	0.1%	1,975	0.0%	381	0.0%	117,590	0.9%	8,980	126,570
CAGR	2006-2015		-0.6%		0.3%		-0.9%		-2.9%		-1.7%		-1.1%		0.3%		3.2%		-2.9%		-19.9%		-7.1%		-1.6%		-1.6%
	2016-2025		0.5%		0.2%		0.3%		1.0%		0.7%		0.3%		1.6%		1.4%		0.2%		0.0%		0.0%		0.9%		0.9%
	2026-2035		0.5%		0.2%		0.2%		0.6%		0.4%		0.2%		1.4%		1.3%		0.1%		0.0%		0.0%		0.9%		0.9%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Clewiston (Hendry County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	32.0	-	10.0	-	16.9	-	1.02	-	901	-	742	-	74,464	-
1996	32.7	2.3%	10.1	1.6%	17.3	2.3%	1.14	11.8%	935	3.8%	728	-1.9%	71,946	-3.4%
1997	34.0	3.9%	10.4	3.1%	18.5	6.8%	1.19	4.0%	963	3.0%	767	5.3%	73,441	2.1%
1998	34.6	1.8%	10.5	0.9%	18.3	-0.8%	1.02	-13.9%	939	-2.5%	851	11.0%	80,781	10.0%
1999	35.7	3.1%	10.8	2.3%	17.8	-2.6%	1.18	15.0%	939	0.0%	869	2.0%	80,579	-0.2%
2000	36.3	1.7%	10.9	1.2%	17.7	-0.7%	1.22	4.1%	964	2.6%	887	2.1%	81,287	0.9%
2001	36.1	-0.6%	11.0	0.7%	17.1	-3.8%	1.16	-5.2%	1,024	6.2%	917	3.4%	83,443	2.7%
2002	36.1	0.1%	11.1	1.1%	16.4	-3.7%	1.12	-3.2%	993	-3.0%	936	2.1%	84,220	0.9%
2003	36.2	0.3%	11.3	1.5%	16.5	0.4%	1.15	2.4%	950	-4.4%	912	-2.6%	80,854	-4.0%
2004	37.0	2.1%	11.6	2.8%	17.5	6.1%	1.17	1.9%	978	3.0%	944	3.4%	81,397	0.7%
2005	38.3	3.5%	12.0	3.9%	18.5	6.0%	1.26	7.8%	1,054	7.8%	1,008	6.8%	83,689	2.8%
2006	38.8	1.4%	12.2	1.2%	19.4	4.4%	1.13	-10.4%	1,042	-1.1%	1,080	7.2%	88,608	5.9%
2007	39.1	0.6%	12.2	0.2%	20.1	3.5%	1.25	10.7%	1,059	1.6%	1,088	0.7%	89,070	0.5%
2008	39.2	0.3%	12.2	-0.2%	19.1	-4.8%	1.01	-19.5%	1,023	-3.4%	1,035	-4.9%	84,918	-4.7%
2009	39.0	-0.3%	12.1	-0.8%	18.2	-4.6%	1.05	3.9%	947	-7.5%	1,025	-0.9%	84,871	-0.1%
2010	39.0	0.0%	12.0	-0.6%	18.0	-0.9%	0.42	-60.3%	937	-1.0%	1,091	6.4%	90,860	7.1%
2011	38.8	-0.6%	11.8	-1.5%	18.3	1.3%	0.40	-2.9%	944	0.7%	1,082	-0.9%	91,471	0.7%
2012	37.6	-3.1%	11.7	-0.7%	18.6	1.8%	0.43	7.3%	928	-1.7%	1,057	-2.3%	92,668	1.3%
2013	37.6	0.1%	11.8	0.5%	19.3	3.5%	0.45	3.7%	966	4.1%	1,092	3.3%	96,840	4.5%
2014	38.2	1.6%	12.0	1.5%	19.6	1.6%	0.47	3.8%	939	-2.8%	1,129	3.4%	98,612	1.8%
2015	38.5	0.7%	12.1	0.8%	19.5	-0.5%	0.36	-22.9%	1,032	10.0%	1,156	2.3%	100,130	1.5%
2016	38.9	1.0%	12.2	1.1%	20.0	3.0%	0.39	9.6%	1,088	5.4%	1,191	3.1%	102,022	1.9%
2017	39.3	1.1%	12.3	1.1%	20.3	1.4%	0.39	-0.7%	1,120	2.9%	1,223	2.7%	103,580	1.5%
2018	39.7	1.1%	12.5	1.1%	20.6	1.2%	0.39	-0.4%	1,155	3.1%	1,253	2.5%	105,003	1.4%
2019	40.1	1.1%	12.6	1.1%	20.8	1.1%	0.39	-0.3%	1,186	2.7%	1,285	2.5%	106,509	1.4%
2020	40.6	1.1%	12.8	1.1%	21.0	1.0%	0.39	-0.5%	1,212	2.2%	1,318	2.6%	108,093	1.5%
2021	41.1	1.2%	12.9	1.2%	21.2	1.0%	0.38	-1.1%	1,234	1.8%	1,351	2.5%	109,455	1.3%
2022	41.6	1.2%	13.1	1.1%	21.4	0.9%	0.38	-1.4%	1,253	1.6%	1,381	2.2%	110,629	1.1%
2023	42.1	1.2%	13.2	1.1%	21.6	1.0%	0.37	-1.5%	1,273	1.6%	1,413	2.3%	111,968	1.2%
2024	42.6	1.2%	13.3	1.1%	21.8	1.0%	0.36	-1.6%	1,289	1.2%	1,445	2.3%	113,347	1.2%
2025	43.1	1.2%	13.5	1.0%	22.0	1.0%	0.36	-1.9%	1,304	1.2%	1,478	2.3%	114,800	1.3%
2026	43.6	1.1%	13.6	0.9%	22.3	1.0%	0.35	-1.8%	1,321	1.3%	1,514	2.4%	116,452	1.4%
2027	44.0	1.1%	13.7	0.9%	22.5	1.0%	0.34	-2.1%	1,339	1.3%	1,550	2.4%	118,176	1.5%
2028	44.5	1.1%	13.9	1.2%	22.7	0.9%	0.34	-1.9%	1,358	1.4%	1,584	2.2%	119,420	1.1%
2029	45.0	1.1%	14.0	1.1%	22.9	1.0%	0.33	-1.7%	1,378	1.5%	1,619	2.2%	120,663	1.0%
2030	45.5	1.0%	14.2	1.1%	23.1	1.0%	0.33	-1.7%	1,398	1.5%	1,653	2.1%	121,874	1.0%
2031	45.9	1.0%	14.3	1.1%	23.4	1.1%	0.32	-1.5%	1,423	1.8%	1,688	2.1%	123,164	1.1%
2032	46.4	1.0%	14.5	1.0%	23.7	1.2%	0.32	-1.2%	1,451	1.9%	1,725	2.2%	124,643	1.2%
2033	46.8	1.0%	14.6	1.0%	23.9	1.0%	0.31	-1.3%	1,475	1.7%	1,763	2.2%	126,128	1.2%
2034	47.3	0.9%	14.8	1.0%	24.1	0.9%	0.31	-1.4%	1,496	1.4%	1,801	2.1%	127,544	1.1%
2035	47.7	0.9%	14.9	1.0%	24.4	0.9%	0.30	-1.5%	1,518	1.5%	1,840	2.2%	128,964	1.1%
<b>Average Percent Change</b>														
<b>2005-2015</b>		0.1%	0.0%		0.5%		-11.8%		-0.2%		1.4%		1.8%	
<b>2016-2025</b>		1.1%	1.1%		1.1%		-1.0%		2.0%		2.4%		1.3%	
<b>2026-2035</b>		1.0%	1.0%		1.0%		-1.6%		1.5%		2.2%		1.2%	





FMPA 2016 Load Forecast - Base Case  
**Ft. Meade (Forecast Limited by the CROD)\***  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	46,728	-	46,835	-	0.2%	12.6	-	12.7	-	0.9%	9.9	-	10.2		3.4%
	2007	45,942	-1.7%	45,579	-2.7%	-0.8%	10.6	-15.8%	12.3	-3.6%	15.5%	9.9	0.5%	9.9	-2.8%	0.0%
	2008	44,665	-2.8%	44,765	-1.8%	0.2%	11.8	11.5%	11.6	-5.8%	-2.4%	9.1	-8.4%	9.2	-7.3%	1.3%
	2009	44,134	-1.2%	43,629	-2.5%	-1.1%	12.5	5.6%	10.2	-11.6%	-18.3%	9.5	4.5%	10.4	12.3%	8.9%
	2010	45,653	3.4%	42,253	-3.2%	-7.4%	14.0	11.9%	12.4	21.8%	-11.2%	9.4	-1.2%	9.2	-11.6%	-2.6%
	2011	43,569	-4.6%	40,843	-3.3%	-6.3%	12.3	-11.9%	11.7	-5.5%	-4.8%	8.4	-10.1%	8.4	-8.4%	-0.8%
	2012	41,322	-5.2%	41,344	1.2%	0.1%	10.9	-11.5%	11.0	-6.6%	0.5%	7.8	-7.2%	9.0	7.7%	15.2%
	2013	40,645	-1.6%	41,003	-0.8%	0.9%	8.7	-20.1%	9.4	-14.6%	7.5%	7.8	0.2%	8.2	-8.7%	5.1%
	2014	41,588	2.3%	41,652	1.6%	0.2%	9.3	6.8%	11.2	19.7%	20.5%	7.2	-8.3%	7.1	-14.1%	-1.6%
	2015	42,783	2.9%	41,876	0.5%	-2.1%	10.6	14.2%	10.4	-7.3%	-2.2%	9.4	30.0%	9.3	31.5%	-0.4%
Projected	2016	39,330	-8.1%	39,330	-6.1%		10.3	-2.7%	10.3	-0.6%		8.0	-14.5%	8.0	-14.1%	
	2017			39,343	0.0%				10.4	0.2%				8.0	0.2%	
	2018			39,410	0.2%				10.4	0.0%				8.0	0.0%	
	2019			39,418	0.0%				10.4	0.0%				8.0	0.0%	
	2020			39,451	0.1%				10.4	0.0%				8.0	0.0%	
	2021			39,409	-0.1%				10.4	0.0%				8.0	0.0%	
	2022			39,441	0.1%				10.4	0.0%				8.0	0.0%	
	2023			39,446	0.0%				10.4	0.0%				8.0	0.0%	
	2024			39,477	0.1%				10.4	0.0%				8.0	0.0%	
	2025			39,436	-0.1%				10.4	0.0%				8.0	0.0%	
	2026			39,464	0.1%				10.4	0.0%				8.0	0.0%	
	2027			39,471	0.0%				10.4	0.0%				8.0	0.0%	
	2028			39,503	0.1%				10.4	0.0%				8.0	0.0%	
	2029			39,462	-0.1%				10.4	0.0%				8.0	0.0%	
	2030			39,490	0.1%				10.4	0.0%				8.0	0.0%	
	2031			39,494	0.0%				10.4	0.0%				8.0	0.0%	
	2032			39,522	0.1%				10.4	0.0%				8.0	0.0%	
	2033			39,479	-0.1%				10.4	0.0%				8.0	0.0%	
	2034			39,505	0.1%				10.4	0.0%				8.0	0.0%	
	2035			39,512	0.0%				10.4	0.0%				8.0	0.0%	
CAGR <sup>[3]</sup>	2006-2015		-1.0%		-1.2%			-1.9%		-2.2%			-0.6%		-1.0%	
	2016-2025				0.0%					0.0%					0.0%	
	2026-2035				0.0%					0.0%					0.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

\* Ft. Meade's CROD is 10.36 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.  
 The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads.



**FMPA 2016 Load Forecast - Base Case**  
**Ft. Meade (Forecast Limited by the CROD)\***  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	46,728	-	46,728	-	12.6	10.2	12.6	10.2	12.6	9.9	12.6	9.9
	2007	45,942	-1.7%	45,942	-1.7%	11.0	10.1	11.0	10.1	10.6	9.9	10.6	9.9
	2008	44,665	-2.8%	44,665	-2.8%	12.7	10.0	12.7	10.0	11.8	9.1	11.8	9.1
	2009	44,134	-1.2%	44,134	-1.2%	12.7	9.6	12.7	9.6	12.5	9.5	12.5	9.5
	2010	45,653	3.4%	45,653	3.4%	14.0	9.7	14.0	9.7	14.0	9.4	14.0	9.4
	2011	43,569	-4.6%	43,569	-4.6%	12.5	9.7	12.5	9.7	12.3	8.4	12.3	8.4
	2012	41,322	-5.2%	41,322	-5.2%	11.0	8.9	11.0	8.9	10.9	7.8	10.9	7.8
	2013	40,645	-1.6%	40,645	-1.6%	9.6	8.8	9.6	8.8	8.7	7.8	8.7	7.8
	2014	41,588	2.3%	41,588	2.3%	9.9	9.4	9.9	9.4	9.3	7.2	9.3	7.2
	2015	42,783	2.9%	39,822	-4.2%	11.1	9.5	10.7	8.7	10.6	9.4	10.4	7.8
Projected	2016	39,330	-8.1%	38,945	-2.2%	10.4	8.8	10.7	8.7	10.3	8.0	10.4	7.8
	2017	39,343	0.0%	38,906	-0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2018	39,410	0.2%	38,939	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2019	39,418	0.0%	38,950	0.0%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2020	39,451	0.1%	38,984	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2021	39,409	-0.1%	38,943	-0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2022	39,441	0.1%	38,976	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2023	39,446	0.0%	38,984	0.0%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2024	39,477	0.1%	39,016	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2025	39,436	-0.1%	38,975	-0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2026	39,464	0.1%	39,004	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2027	39,471	0.0%	39,009	0.0%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2028	39,503	0.1%	39,039	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2029	39,462	-0.1%	38,994	-0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2030	39,490	0.1%	39,022	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2031	39,494	0.0%	39,027	0.0%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2032	39,522	0.1%	39,059	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2033	39,479	-0.1%	39,015	-0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2034	39,505	0.1%	39,045	0.1%	10.4	8.9	10.7	8.7	10.4	8.0	10.4	7.8
	2035	39,512	0.0%			10.4	8.9			10.4	8.0		
CAGR <sup>[1]</sup>	Historical		-1.0%		-1.4%	-1.4%	-0.7%	-3.0%	-1.0%	0.0%	-0.8%	-1.8%	-4.5%
	1st 10 Prj Yrs		0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	2nd 10 Prj Yrs		0.0%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\* Ft. Meade's CROD is 10.36 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.  
The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads.

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Ft. Meade (Forecast Limited by the CROD)**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	3,518	3,386	3,337	3,721	4,260	4,458	4,431	4,849	4,264	3,775	3,209	3,371	46,578	46,728
	2007	3,487	3,365	3,361	3,425	3,959	4,213	4,539	4,932	4,306	4,023	3,011	3,280	45,902	45,942
	2008	3,571	3,092	3,231	3,310	4,209	4,298	4,077	4,275	4,288	3,637	3,238	3,267	44,493	44,665
	2009	3,640	3,214	3,214	3,229	3,942	4,257	4,117	4,305	4,073	3,957	3,062	3,382	44,393	44,134
	2010	4,484	3,590	3,113	2,978	4,143	4,376	4,256	4,317	3,997	3,302	2,844	4,397	45,795	45,653
	2011	3,352	2,749	2,931	3,503	3,914	4,074	4,197	4,324	3,983	3,102	2,804	2,983	41,916	43,569
	2012	3,302	2,894	3,205	3,228	4,044	3,683	4,122	4,175	3,779	3,506	2,756	3,132	41,827	41,322
	2013	2,946	2,895	3,199	3,301	3,511	3,816	3,743	4,154	3,687	3,584	2,922	3,084	40,841	40,645
	2014	3,665	2,769	2,895	3,150	3,796	3,774	4,003	4,259	3,689	3,364	2,910	3,194	41,466	41,588
	2015	3,177	3,022	3,262	3,654	4,054	4,082	4,083	4,087	3,895	3,212	2,822	3,021	42,371	42,783
Projected	2016	3,259	2,700	2,812	2,849	3,530	3,620	3,841	3,915	3,750	3,209	2,815	3,022	39,321	39,330
	2017	3,264	2,629	2,818	2,856	3,541	3,633	3,857	3,932	3,768	3,224	2,829	3,037	39,387	39,343
	2018	3,282	2,629	2,817	2,855	3,540	3,634	3,859	3,934	3,769	3,225	2,829	3,038	39,412	39,410
	2019	3,284	2,629	2,817	2,855	3,540	3,635	3,860	3,936	3,770	3,226	2,829	3,039	39,420	39,418
	2020	3,285	2,700	2,812	2,849	3,533	3,629	3,855	3,930	3,765	3,221	2,823	3,033	39,434	39,451
	2021	3,280	2,630	2,817	2,854	3,539	3,636	3,864	3,939	3,772	3,227	2,828	3,039	39,426	39,409
	2022	3,287	2,631	2,817	2,854	3,539	3,638	3,866	3,941	3,774	3,228	2,828	3,039	39,441	39,441
	2023	3,288	2,632	2,817	2,853	3,539	3,638	3,867	3,942	3,774	3,228	2,827	3,039	39,446	39,446
	2024	3,289	2,702	2,812	2,848	3,532	3,632	3,862	3,937	3,768	3,223	2,822	3,034	39,460	39,477
	2025	3,284	2,633	2,818	2,853	3,538	3,640	3,871	3,946	3,776	3,229	2,827	3,039	39,453	39,436
Projected	2026	3,291	2,633	2,818	2,852	3,538	3,641	3,872	3,947	3,777	3,230	2,826	3,039	39,464	39,464
	2027	3,292	2,634	2,818	2,852	3,538	3,642	3,874	3,949	3,778	3,231	2,826	3,039	39,472	39,471
	2028	3,293	2,704	2,813	2,847	3,531	3,636	3,868	3,943	3,772	3,225	2,821	3,034	39,487	39,503
	2029	3,287	2,635	2,818	2,852	3,537	3,643	3,877	3,952	3,780	3,231	2,825	3,039	39,478	39,462
	2030	3,294	2,636	2,818	2,851	3,537	3,644	3,878	3,953	3,781	3,232	2,825	3,039	39,489	39,490
	2031	3,295	2,637	2,819	2,851	3,537	3,645	3,880	3,954	3,781	3,232	2,825	3,039	39,493	39,494
	2032	3,295	2,707	2,813	2,846	3,530	3,638	3,874	3,948	3,775	3,226	2,819	3,033	39,504	39,522
	2033	3,289	2,638	2,819	2,851	3,537	3,646	3,882	3,956	3,783	3,233	2,824	3,039	39,496	39,479
	2034	3,296	2,638	2,819	2,850	3,536	3,646	3,884	3,957	3,783	3,233	2,824	3,039	39,506	39,505
	2035	3,297	2,639	2,819	2,850	3,536	3,647	3,885	3,959	3,784	3,234	2,824	3,039	39,513	39,512

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.3%	7.2%	8.0%	9.1%	9.6%	9.5%	10.4%	9.2%	8.1%	6.9%	7.2%	100.0%
	2007	7.6%	7.3%	7.3%	7.5%	8.6%	9.2%	9.9%	10.7%	9.4%	8.8%	6.6%	7.1%	100.0%
	2008	8.0%	6.9%	7.3%	7.4%	9.5%	9.7%	9.2%	9.6%	9.6%	8.2%	7.3%	7.3%	100.0%
	2009	8.2%	7.2%	7.2%	7.3%	8.9%	9.6%	9.3%	9.7%	9.2%	8.9%	6.9%	7.6%	100.0%
	2010	9.8%	7.8%	6.8%	6.5%	9.0%	9.6%	9.3%	9.4%	8.7%	7.2%	6.2%	9.6%	100.0%
	2011	8.0%	6.6%	7.0%	8.4%	9.3%	9.7%	10.0%	10.3%	9.5%	7.4%	6.7%	7.1%	100.0%
	2012	7.9%	6.9%	7.7%	7.7%	9.7%	8.8%	9.9%	10.0%	9.0%	8.4%	6.6%	7.5%	100.0%
	2013	7.2%	7.1%	7.8%	8.1%	8.6%	9.3%	9.2%	10.2%	9.0%	8.8%	7.2%	7.6%	100.0%
	2014	8.8%	6.7%	7.0%	7.6%	9.2%	9.1%	9.7%	10.3%	8.9%	8.1%	7.0%	7.7%	100.0%
	2015	7.5%	7.1%	7.7%	8.6%	9.6%	9.6%	9.6%	9.6%	9.2%	7.6%	6.7%	7.1%	100.0%
Projected	2016	8.3%	6.9%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2017	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2018	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2019	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2020	8.3%	6.8%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2021	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2022	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2023	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2024	8.3%	6.8%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2025	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
Avg.	2006-2015	8.1%	7.1%	7.3%	7.7%	9.1%	9.4%	9.5%	10.0%	9.2%	8.1%	6.8%	7.6%	100.0%
	2016-2025	8.3%	6.7%	7.1%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%

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\* Ft. Meade's CROD is 10.36 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.  
The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads.

FMPA 2016 Load Forecast - Base Case  
**Ft. Meade (Forecast Limited by the CROD)**  
 Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	10.6	12.6	7.5	9.5	9.4	9.7	9.5	10.2	9.1	8.5	7.9	7.3	12.6	10.2
	2007	10.1	11.0	8.0	8.1	9.1	9.2	10.0	10.1	9.6	8.9	6.9	8.5	11.0	10.1
	2008	12.7	8.9	7.6	7.4	9.1	10.0	9.1	9.6	9.3	8.1	8.6	9.4	12.7	10.0
	2009	11.1	12.7	9.4	7.4	8.8	9.6	9.0	9.2	8.8	8.9	7.4	8.1	12.7	9.6
	2010	14.0	10.8	9.4	6.8	8.9	9.7	9.3	9.3	8.8	8.1	6.6	12.5	14.0	9.7
	2011	11.1	8.2	6.5	9.0	8.8	9.7	9.0	9.0	8.7	7.2	7.1	6.5	12.5	9.7
	2012	11.0	10.1	6.8	7.9	8.5	8.7	8.9	8.9	8.2	8.4	6.2	8.3	11.0	8.9
	2013	7.0	8.9	9.6	7.4	7.9	8.8	8.5	8.8	8.6	8.0	7.0	6.7	9.6	8.8
	2014	9.9	6.9	6.0	8.0	8.8	8.5	8.5	9.4	8.5	7.8	7.8	8.0	9.9	9.4
	2015	7.9	11.1	7.5	8.0	9.1	9.5	8.8	9.1	8.8	8.1	6.3	7.5	11.1	9.5
Projected	2016	10.4	8.7	6.8	7.0	8.2	8.5	8.4	8.8	8.1	7.7	6.3	7.6	10.4	8.8
	2017	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2018	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2019	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2020	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2021	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2022	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2023	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2024	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2025	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
Projected	2026	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2027	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2028	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2029	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2030	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2031	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2032	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2033	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2034	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9
	2035	10.4	8.7	6.9	7.0	8.2	8.6	8.4	8.9	8.1	7.8	6.4	7.6	10.4	8.9

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										57.9%	60.5%	57.4%		
	2006	44.5%	39.9%	60.1%	52.9%	67.6%	61.7%	64.6%	64.1%	65.1%	59.5%	54.9%	64.1%	42.0%	52.3%
	2007	46.6%	45.6%	56.4%	56.9%	64.9%	61.5%	63.2%	65.8%	62.5%	61.0%	58.8%	53.6%	47.7%	52.0%
	2008	37.9%	49.8%	57.5%	60.1%	68.6%	57.8%	62.2%	60.2%	64.0%	60.1%	50.6%	48.0%	40.1%	50.8%
	2009	44.3%	37.8%	46.2%	58.9%	66.5%	59.9%	63.2%	62.8%	64.4%	59.6%	55.4%	58.0%	40.0%	53.0%
	2010	43.1%	49.3%	44.4%	58.7%	69.5%	60.9%	63.7%	62.2%	63.1%	54.5%	57.8%	48.9%	37.4%	54.2%
	2011	40.5%	50.1%	60.5%	52.6%	66.0%	56.6%	64.6%	64.6%	63.9%	57.9%	52.7%	63.8%	38.3%	49.5%
	2012	40.3%	41.0%	63.6%	54.8%	70.9%	57.2%	64.6%	63.1%	64.0%	56.2%	60.1%	52.6%	43.4%	53.7%
	2013	56.5%	48.4%	44.8%	59.8%	65.8%	58.5%	61.4%	63.3%	59.7%	60.3%	56.1%	63.9%	48.6%	52.8%
	2014	49.5%	59.4%	64.9%	52.6%	64.3%	59.8%	65.5%	61.2%	60.0%	57.6%	50.5%	55.3%	47.6%	50.6%
	2015	54.3%	40.5%	58.1%	61.3%	66.1%	57.7%	64.1%	60.5%	61.6%	53.5%	59.9%	55.7%	43.6%	50.9%
Projected	2016	42.3%	44.5%	55.2%	54.7%	64.1%	57.0%	63.7%	59.5%	64.6%	55.7%	59.6%	55.6%	43.3%	50.8%
	2017	42.3%	44.8%	55.3%	54.8%	64.2%	57.1%	63.9%	59.7%	64.8%	55.9%	59.6%	55.6%	43.4%	50.8%
	2018	42.6%	44.8%	55.2%	54.8%	64.2%	57.1%	63.9%	59.7%	64.8%	55.9%	59.6%	55.6%	43.4%	50.8%
	2019	42.6%	44.8%	55.2%	54.8%	64.2%	57.1%	64.0%	59.7%	64.8%	55.9%	59.6%	55.5%	43.4%	50.8%
	2020	42.6%	44.4%	55.1%	54.6%	64.1%	57.0%	63.9%	59.6%	64.7%	55.8%	59.6%	55.6%	43.5%	50.8%
	2021	42.6%	44.8%	55.2%	54.7%	64.2%	57.2%	64.0%	59.8%	64.8%	55.9%	59.5%	55.6%	43.4%	50.8%
	2022	42.6%	44.8%	55.2%	54.7%	64.2%	57.2%	64.0%	59.8%	64.8%	55.9%	59.5%	55.6%	43.5%	50.8%
	2023	42.7%	44.8%	55.2%	54.7%	64.2%	57.2%	64.1%	59.8%	64.9%	56.0%	59.4%	55.5%	43.5%	50.8%
	2024	42.7%	44.4%	55.1%	54.6%	64.0%	57.1%	64.0%	59.7%	64.8%	55.9%	59.5%	55.6%	43.5%	50.8%
	2025	42.6%	44.8%	55.2%	54.7%	64.1%	57.2%	64.1%	59.9%	64.9%	56.0%	59.5%	55.6%	43.5%	50.8%
Avg.	2006-2015	45.8%	46.2%	55.6%	56.9%	67.0%	59.2%	63.7%	62.8%	62.8%	58.0%	55.7%	56.4%	42.9%	52.0%
	2016-2025	42.6%	44.7%	55.2%	54.7%	64.1%	57.1%	64.0%	59.7%	64.8%	55.9%	59.5%	55.5%	43.4%	50.8%

\* Ft. Meade's CROD is 10.36 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.  
 The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads.

FMPA 2016 Load Forecast - Base Case  
**Ft. Meade (Forecast Limited by the CROD)**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	10.6	12.6	7.5	8.8	8.6	9.6	9.4	9.9	9.0	8.1	7.2	5.7	12.6	9.9
	2007	10.1	10.6	6.4	7.9	9.1	8.9	9.8	9.9	9.1	8.6	6.1	6.4	10.6	9.9
	2008	11.8	8.8	6.9	6.6	8.4	9.7	9.0	9.1	8.7	7.9	6.9	9.2	11.8	9.1
	2009	11.0	12.5	9.4	7.2	8.2	9.5	8.5	8.8	8.6	8.9	7.3	8.0	12.5	9.5
	2010	14.0	9.0	9.4	6.5	8.2	9.4	8.4	9.0	8.6	8.1	6.5	12.3	14.0	9.4
	2011	11.1	8.1	6.5	8.2	8.1	9.5	8.2	8.4	8.7	7.0	6.6	5.8	12.3	8.4
	2012	10.9	10.1	6.5	7.4	8.1	8.0	7.8	8.3	7.8	7.0	5.3	8.3	10.9	7.8
	2013	6.3	8.9	8.7	6.3	7.6	7.9	7.4	7.8	8.0	7.5	6.6	6.4	8.7	7.8
	2014	9.3	6.8	5.6	7.2	7.8	8.2	7.6	7.2	7.6	7.4	6.9	7.4	9.3	7.2
	2015	7.7	10.6	6.9	7.5	9.1	9.4	8.4	9.0	8.7	7.5	5.8	7.1	10.6	9.4
Projected	2016	10.3	8.6	6.4	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.3	8.0
	2017	10.4	8.6	6.4	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2018	10.4	8.6	6.4	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2019	10.4	8.6	6.4	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.2	10.4	8.0
	2020	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2021	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2022	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2023	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.2	10.4	8.0
	2024	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
Projected	2025	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2026	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2027	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.2	10.4	8.0
	2028	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2029	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2030	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2031	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.2	10.4	8.0
	2032	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2033	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2034	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.2	5.8	7.1	10.4	8.0
	2035	10.4	8.6	6.5	6.4	7.7	8.1	7.5	8.0	7.7	7.3	5.8	7.2	10.4	8.0

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										100.0%	93.7%	96.4%		
	2006	100.0%	99.6%	100.0%	93.0%	91.8%	98.8%	98.8%	97.2%	98.6%	95.4%	91.3%	77.7%	99.6%	97.2%
	2007	100.0%	96.7%	80.2%	97.4%	100.0%	96.9%	97.8%	98.7%	95.6%	96.5%	89.2%	75.4%	96.7%	98.7%
	2008	93.4%	98.8%	91.8%	89.3%	91.8%	97.2%	98.8%	95.3%	93.7%	96.6%	80.1%	97.4%	93.4%	91.0%
	2009	99.9%	98.7%	100.0%	98.0%	92.8%	99.5%	94.0%	95.9%	97.5%	100.0%	98.7%	99.2%	98.7%	99.5%
	2010	100.0%	83.0%	100.0%	95.1%	92.8%	97.3%	91.0%	96.9%	97.3%	100.0%	98.2%	98.8%	100.0%	97.3%
	2011	99.9%	98.9%	100.0%	91.7%	92.4%	98.4%	90.5%	93.8%	100.0%	96.9%	92.2%	88.8%	98.8%	87.4%
	2012	99.2%	100.0%	95.6%	93.7%	95.6%	92.4%	88.3%	93.1%	95.2%	83.5%	85.2%	100.0%	99.2%	88.0%
	2013	90.0%	100.0%	90.9%	85.3%	95.6%	90.6%	87.1%	88.9%	93.2%	94.0%	94.9%	95.0%	90.9%	88.9%
	2014	93.6%	98.2%	94.2%	89.6%	88.9%	96.8%	89.1%	76.9%	89.4%	93.9%	88.5%	92.8%	93.6%	76.9%
	2015	98.0%	95.8%	91.0%	93.7%	100.0%	98.3%	94.7%	99.2%	99.0%	93.4%	91.4%	94.0%	95.8%	98.3%
Projected	2016	99.8%	98.6%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	99.8%	90.4%
	2017	100.0%	98.6%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%
	2018	100.0%	98.5%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%
	2019	100.0%	98.5%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%
	2020	100.0%	98.5%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%
	2021	100.0%	98.5%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%
	2022	100.0%	98.5%	94.1%	91.6%	94.3%	95.2%	89.3%	90.5%	95.2%	93.4%	91.4%	94.0%	100.0%	90.5%
	2023	100.0%	98.5%	94.1%	91.6%	94.3%	95.2%	89.3%	90.5%	95.2%	93.4%	91.4%	94.0%	100.0%	90.5%
	2024	100.0%	98.5%	94.1%	91.6%	94.3%	95.2%	89.4%	90.5%	95.2%	93.4%	91.4%	94.0%	100.0%	90.5%
	2025	100.0%	98.6%	94.1%	91.6%	94.3%	95.2%	89.3%	90.5%	95.2%	93.4%	91.4%	94.0%	100.0%	90.5%
	2006-2015	97.4%	97.0%	94.4%	92.7%	94.2%	96.6%	93.0%	93.6%	95.9%	95.0%	91.0%	91.9%	96.7%	92.3%
	2016-2025	100.0%	98.5%	94.1%	91.5%	94.3%	95.2%	89.3%	90.4%	95.2%	93.4%	91.4%	94.0%	100.0%	90.4%

\* Ft. Meade's CROD is 10.36 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD  
The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads.

# FMPA 2016 Load Forecast - Base Case - Ft Meade

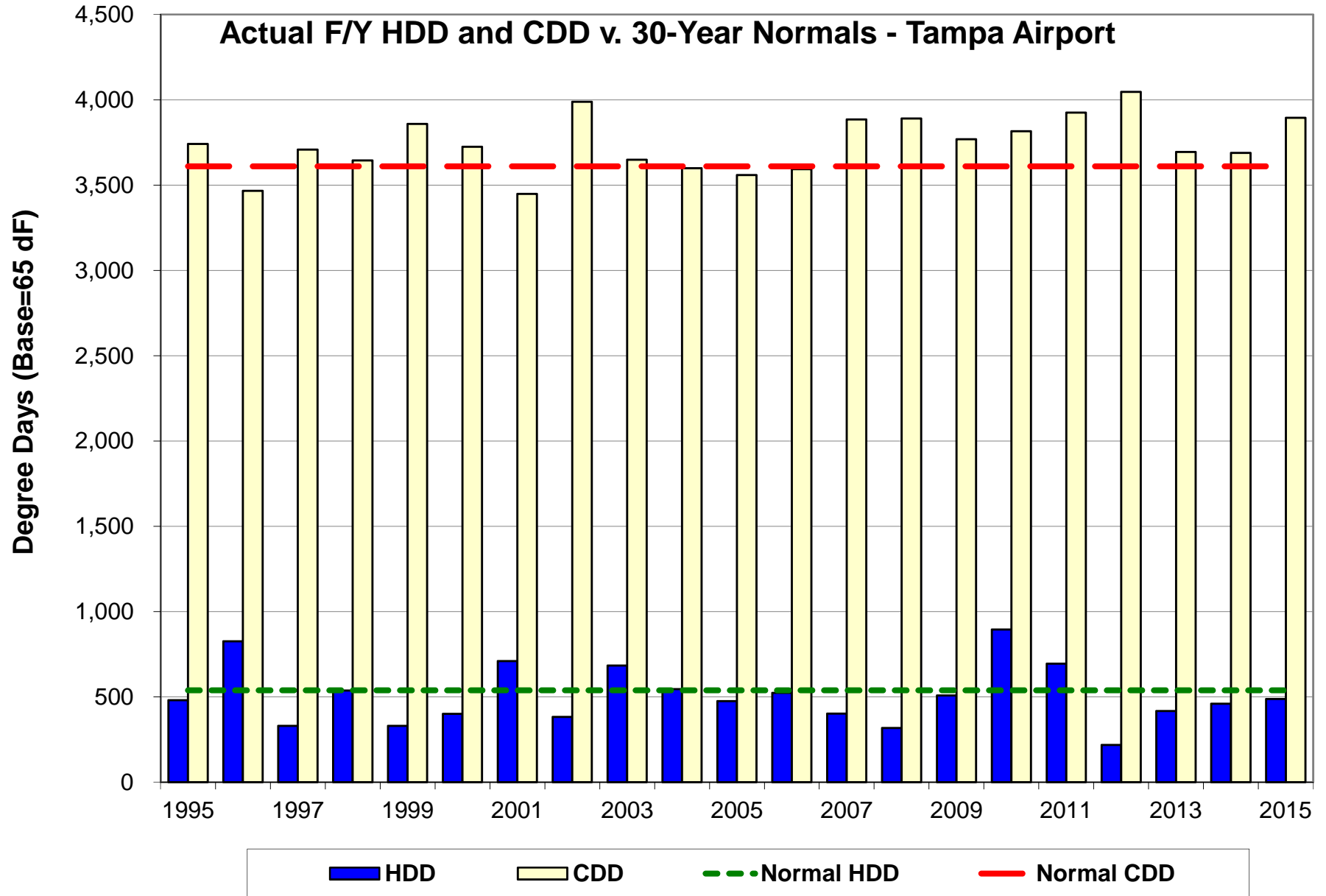
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

Fiscal Year		Residential						General Service						TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	% Chg
																(MWh)		
Historical	2006	30,420		2,319		13,120		11,548		300		38.5		41,968		4,760	46,728	
	2007	30,045	-1.2%	2,348	1.2%	12,798	-2.4%	11,875	2.8%	321	7.0%	37.0	-3.9%	41,920	-0.1%	4,022	45,942	-1.7%
	2008	27,652	-8.0%	2,330	-0.7%	11,867	-7.3%	12,240	3.1%	342	6.3%	35.8	-3.1%	39,892	-4.8%	4,773	44,665	-2.8%
	2009	27,686	0.1%	2,364	1.4%	11,714	-1.3%	12,772	4.3%	335	-1.8%	38.1	6.3%	40,458	1.4%	3,676	44,134	-1.2%
	2010	28,710	3.7%	2,367	0.1%	12,129	3.5%	13,644	6.8%	337	0.5%	40.5	6.2%	42,354	4.7%	3,299	45,653	3.4%
	2011	27,574	-4.0%	2,339	-1.2%	11,788	-2.8%	13,249	-2.9%	341	1.0%	38.9	-3.8%	40,824	-3.6%	2,746	43,569	-4.6%
	2012	25,433	-7.8%	2,329	-0.4%	10,921	-7.4%	13,293	0.3%	338	-0.7%	39.3	1.1%	38,726	-5.1%	2,596	41,322	-5.2%
	2013	25,483	0.2%	2,385	2.4%	10,686	-2.2%	12,958	-2.5%	334	-1.2%	38.8	-1.4%	38,441	-0.7%	2,205	40,645	-1.6%
	2014	26,215	2.9%	2,374	-0.4%	11,042	3.3%	13,344	3.0%	335	0.2%	39.9	2.8%	39,559	2.9%	2,029	41,588	2.3%
2015	27,231	3.9%	2,377	0.1%	11,455	3.7%	13,268	-0.6%	320	-4.4%	41.5	4.0%	40,499	2.4%	2,284	42,783	2.9%	
Projected	2016	26,472	-2.8%	2,357	-0.9%	11,232	-1.9%	13,150	-0.9%	325	1.6%	40.4	-2.5%	39,622	-2.2%	2,015	41,637	-2.7%
	2017	26,481	0.0%	2,351	-0.2%	11,262	0.3%	13,156	0.0%	329	1.1%	40.0	-1.1%	39,638	0.0%	2,028	41,665	0.1%
	2018	26,689	0.8%	2,358	0.3%	11,321	0.5%	13,175	0.1%	333	1.2%	39.6	-1.0%	39,864	0.6%	2,040	41,904	0.6%
	2019	26,916	0.9%	2,365	0.3%	11,380	0.5%	13,194	0.1%	337	1.2%	39.2	-1.0%	40,111	0.6%	2,052	42,163	0.6%
	2020	27,151	0.9%	2,373	0.3%	11,442	0.5%	13,213	0.1%	341	1.2%	38.8	-1.0%	40,364	0.6%	2,141	42,506	0.8%
	2021	27,386	0.9%	2,381	0.3%	11,503	0.5%	13,232	0.1%	345	1.2%	38.4	-1.0%	40,618	0.6%	2,078	42,696	0.4%
	2022	27,620	0.9%	2,388	0.3%	11,564	0.5%	13,251	0.1%	349	1.2%	38.0	-1.0%	40,871	0.6%	2,091	42,962	0.6%
	2023	27,852	0.8%	2,395	0.3%	11,628	0.5%	13,270	0.1%	353	1.1%	37.6	-1.0%	41,122	0.6%	2,103	43,225	0.6%
	2024	28,084	0.8%	2,402	0.3%	11,692	0.6%	13,288	0.1%	356	1.1%	37.3	-1.0%	41,372	0.6%	2,194	43,566	0.8%
	2025	28,315	0.8%	2,409	0.3%	11,756	0.6%	13,306	0.1%	360	1.1%	36.9	-1.0%	41,621	0.6%	2,129	43,750	0.4%
	2026	28,546	0.8%	2,415	0.3%	11,822	0.6%	13,324	0.1%	364	1.1%	36.6	-1.0%	41,870	0.6%	2,141	44,011	0.6%
	2027	28,773	0.8%	2,421	0.2%	11,886	0.5%	13,342	0.1%	368	1.1%	36.2	-0.9%	42,115	0.6%	2,154	44,269	0.6%
	2028	28,997	0.8%	2,427	0.2%	11,950	0.5%	13,359	0.1%	372	1.1%	35.9	-0.9%	42,357	0.6%	2,246	44,603	0.8%
	2029	29,218	0.8%	2,432	0.2%	12,012	0.5%	13,376	0.1%	376	1.0%	35.6	-0.9%	42,594	0.6%	2,178	44,772	0.4%
	2030	29,433	0.7%	2,438	0.2%	12,073	0.5%	13,393	0.1%	380	1.0%	35.3	-0.9%	42,826	0.5%	2,190	45,016	0.5%
	2031	29,642	0.7%	2,443	0.2%	12,133	0.5%	13,408	0.1%	383	1.0%	35.0	-0.8%	43,050	0.5%	2,201	45,251	0.5%
	2032	29,843	0.7%	2,448	0.2%	12,190	0.5%	13,423	0.1%	387	0.9%	34.7	-0.8%	43,267	0.5%	2,294	45,560	0.7%
	2033	30,038	0.7%	2,453	0.2%	12,246	0.5%	13,438	0.1%	390	0.9%	34.4	-0.8%	43,477	0.5%	2,223	45,699	0.3%
	2034	30,234	0.7%	2,458	0.2%	12,302	0.5%	13,453	0.1%	394	0.9%	34.2	-0.8%	43,686	0.5%	2,233	45,920	0.5%
	2035	30,431	0.7%	2,462	0.2%	12,358	0.5%	13,467	0.1%	397	0.9%	33.9	-0.8%	43,898	0.5%	2,244	46,142	0.5%
CAGR	2006-2015		-1.2%		0.3%		-1.5%		1.6%		0.7%		0.8%		-0.4%			-1.0%
	2016-2025		0.8%		0.2%		0.5%		0.1%		1.1%		-1.0%		0.5%			0.6%
	2026-2035		0.7%		0.2%		0.5%		0.1%		1.0%		-0.8%		0.5%			0.5%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Fort Meade (Polk County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	448.0	-	171.0	-	205.3	-	22.08	-	12,250	-	11,522	-	67,393	-
1996	455.7	1.7%	174.6	2.1%	210.7	2.6%	21.70	-1.7%	12,803	4.5%	11,988	4.0%	68,666	1.9%
1997	464.4	1.9%	178.4	2.2%	214.7	1.9%	21.38	-1.5%	12,984	1.4%	12,247	2.2%	68,636	0.0%
1998	472.2	1.7%	182.2	2.1%	223.5	4.1%	21.42	0.2%	13,615	4.9%	13,365	9.1%	73,363	6.9%
1999	479.1	1.5%	185.5	1.8%	227.7	1.9%	21.26	-0.7%	13,961	2.5%	13,862	3.7%	74,721	1.9%
2000	486.5	1.5%	189.5	2.2%	235.5	3.5%	20.21	-4.9%	14,292	2.4%	14,169	2.2%	74,764	0.1%
2001	494.0	1.6%	193.4	2.0%	233.6	-0.8%	18.85	-6.7%	14,584	2.0%	14,631	3.3%	75,654	1.2%
2002	503.1	1.8%	197.7	2.2%	236.2	1.1%	18.44	-2.2%	15,224	4.4%	14,810	1.2%	74,906	-1.0%
2003	515.1	2.4%	203.2	2.8%	240.6	1.8%	18.10	-1.9%	15,802	3.8%	15,438	4.2%	75,967	1.4%
2004	530.4	3.0%	209.3	3.0%	252.4	4.9%	18.21	0.6%	16,714	5.8%	16,753	8.5%	80,054	5.4%
2005	550.1	3.7%	216.7	3.5%	267.3	5.9%	18.28	0.4%	17,549	5.0%	18,025	7.6%	83,196	3.9%
2006	570.3	3.7%	223.1	3.0%	276.4	3.4%	17.88	-2.2%	18,307	4.3%	19,002	5.4%	85,156	2.4%
2007	586.5	2.8%	227.3	1.9%	278.6	0.8%	17.24	-3.6%	18,344	0.2%	19,572	3.0%	86,106	1.1%
2008	595.0	1.4%	228.3	0.4%	269.3	-3.3%	16.35	-5.2%	17,986	-2.0%	19,509	-0.3%	85,469	-0.7%
2009	599.3	0.7%	227.3	-0.4%	259.4	-3.7%	14.84	-9.3%	17,135	-4.7%	18,857	-3.3%	82,972	-2.9%
2010	604.4	0.9%	226.0	-0.6%	255.9	-1.4%	14.20	-4.3%	17,196	0.4%	19,876	5.4%	87,959	6.0%
2011	610.5	1.0%	223.4	-1.1%	258.4	1.0%	14.19	-0.1%	16,867	-1.9%	20,806	4.7%	93,136	5.9%
2012	616.8	1.0%	224.2	0.4%	262.2	1.5%	14.61	2.9%	16,316	-3.3%	19,927	-4.2%	88,866	-4.6%
2013	624.8	1.3%	219.8	-2.0%	267.7	2.1%	15.89	8.8%	16,995	4.2%	20,168	1.2%	91,768	3.3%
2014	635.7	1.7%	222.9	1.4%	272.3	1.7%	16.41	3.3%	16,856	-0.8%	20,846	3.4%	93,504	1.9%
2015	643.0	1.1%	225.8	1.3%	277.5	1.9%	16.78	2.2%	17,298	2.6%	21,506	3.2%	95,233	1.8%
2016	650.5	1.2%	228.6	1.2%	282.2	1.7%	16.89	0.7%	17,888	3.4%	22,153	3.0%	96,889	1.7%
2017	658.0	1.2%	231.4	1.2%	286.7	1.6%	17.11	1.3%	18,463	3.2%	22,814	3.0%	98,600	1.8%
2018	665.7	1.2%	234.0	1.1%	291.1	1.5%	17.31	1.1%	18,999	2.9%	23,488	3.0%	100,369	1.8%
2019	673.5	1.2%	236.7	1.1%	295.4	1.5%	17.41	0.6%	19,494	2.6%	24,187	3.0%	102,206	1.8%
2020	681.3	1.2%	239.3	1.1%	299.8	1.5%	17.50	0.6%	19,994	2.6%	24,912	3.0%	104,105	1.9%
2021	689.3	1.2%	242.0	1.1%	304.1	1.4%	17.58	0.5%	20,433	2.2%	25,641	2.9%	105,975	1.8%
2022	697.3	1.2%	244.4	1.0%	308.4	1.4%	17.63	0.3%	20,940	2.5%	26,387	2.9%	107,965	1.9%
2023	705.4	1.2%	246.7	1.0%	312.7	1.4%	17.65	0.1%	21,471	2.5%	27,144	2.9%	110,013	1.9%
2024	713.6	1.2%	249.0	0.9%	317.0	1.4%	17.65	0.0%	21,962	2.3%	27,906	2.8%	112,079	1.9%
2025	721.8	1.1%	251.2	0.9%	321.2	1.3%	17.58	-0.4%	22,437	2.2%	28,689	2.8%	114,222	1.9%
2026	730.0	1.1%	253.3	0.9%	325.5	1.3%	17.46	-0.7%	22,946	2.3%	29,481	2.8%	116,383	1.9%
2027	738.2	1.1%	255.4	0.8%	329.6	1.3%	17.37	-0.5%	23,481	2.3%	30,276	2.7%	118,532	1.8%
2028	746.4	1.1%	257.5	0.8%	333.8	1.3%	17.26	-0.6%	24,005	2.2%	31,069	2.6%	120,654	1.8%
2029	754.7	1.1%	259.5	0.8%	337.9	1.2%	17.17	-0.6%	24,552	2.3%	31,863	2.6%	122,786	1.8%
2030	762.9	1.1%	261.4	0.7%	342.0	1.2%	17.07	-0.6%	25,078	2.1%	32,647	2.5%	124,886	1.7%
2031	771.1	1.1%	263.3	0.7%	346.1	1.2%	16.98	-0.5%	25,679	2.4%	33,409	2.3%	126,910	1.6%
2032	779.2	1.1%	265.0	0.7%	350.2	1.2%	16.88	-0.6%	26,277	2.3%	34,167	2.3%	128,925	1.6%
2033	787.2	1.0%	266.7	0.6%	354.2	1.1%	16.78	-0.6%	26,866	2.2%	34,926	2.2%	130,943	1.6%
2034	795.2	1.0%	268.5	0.6%	358.0	1.1%	16.67	-0.7%	27,453	2.2%	35,696	2.2%	132,971	1.5%
2035	803.0	1.0%	270.2	0.7%	361.9	1.1%	16.55	-0.7%	28,051	2.2%	36,498	2.2%	135,072	1.6%
Average Percent Change														
2005-2015	1.6%			0.4%		0.4%		-0.9%		-0.1%		1.8%		1.4%
2016-2025	1.2%			1.0%		1.4%		0.4%		2.5%		2.9%		1.8%
2026-2035	1.1%			0.7%		1.2%		-0.6%		2.3%		2.4%		1.7%



Fort Pierce

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# FMPA 2016 Load Forecast - Base Case

## Ft. Pierce

### Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	615,574	-	609,337	-	-1.0%	113.9	-	100.0	-	-12.2%	117.3	-	121.0	-	3.2%
	2007	607,585	-1.3%	603,872	-0.9%	-0.6%	98.6	-13.4%	109.2	9.3%	10.8%	116.8	-0.4%	116.9	-3.4%	0.1%
	2008	590,911	-2.7%	584,243	-3.3%	-1.1%	107.3	8.9%	111.7	2.2%	4.1%	110.4	-5.5%	111.9	-4.3%	1.4%
	2009	553,488	-6.3%	541,510	-7.3%	-2.2%	111.5	3.9%	96.0	-14.1%	-13.9%	115.3	4.4%	107.3	-4.1%	-6.9%
	2010	568,638	2.7%	536,197	-1.0%	-5.7%	124.1	11.3%	106.5	10.9%	-14.2%	108.7	-5.7%	106.5	-0.8%	-2.1%
	2011	552,427	-2.9%	539,298	0.6%	-2.4%	114.8	-7.5%	108.0	1.5%	-5.9%	99.6	-8.4%	99.2	-6.8%	-0.4%
	2012	537,115	-2.8%	534,953	-0.8%	-0.4%	97.0	-15.5%	102.1	-5.5%	5.2%	97.0	-2.6%	108.9	9.8%	12.3%
	2013	532,037	-0.9%	534,015	-0.2%	0.4%	86.7	-10.7%	79.7	-21.9%	-8.1%	100.9	4.0%	106.0	-2.7%	5.1%
	2014	544,750	2.4%	542,307	1.6%	-0.4%	89.2	2.9%	109.6	37.5%	22.9%	103.2	2.4%	101.9	-3.8%	-1.3%
	2015	559,062	2.6%	555,166	2.4%	-0.7%	101.8	14.2%	79.4	-27.6%	-22.0%	103.4	0.2%	99.9	-2.0%	-3.4%
Projected	2016	567,648	1.5%	567,648	2.2%		93.8	-7.9%	93.8	18.2%		107.7	4.2%	107.7	7.8%	
	2017			573,909	1.1%				94.7	1.0%				108.8	1.0%	
	2018			577,886	0.7%				95.3	0.6%				109.5	0.6%	
	2019			581,584	0.6%				95.9	0.6%				110.2	0.6%	
	2020			585,316	0.6%				96.6	0.6%				110.9	0.6%	
	2021			588,990	0.6%				97.2	0.6%				111.5	0.6%	
	2022			592,508	0.6%				97.7	0.6%				112.2	0.6%	
	2023			595,980	0.6%				98.3	0.6%				112.9	0.6%	
	2024			599,360	0.6%				98.9	0.6%				113.5	0.6%	
	2025			602,619	0.5%				99.4	0.5%				114.1	0.5%	
	2026			605,778	0.5%				99.9	0.5%				114.7	0.5%	
	2027			608,896	0.5%				100.4	0.5%				115.3	0.5%	
	2028			611,971	0.5%				100.9	0.5%				115.9	0.5%	
	2029			614,903	0.5%				101.4	0.5%				116.4	0.5%	
	2030			617,625	0.4%				101.8	0.4%				116.9	0.4%	
	2031			620,132	0.4%				102.2	0.4%				117.4	0.4%	
	2032			622,538	0.4%				102.6	0.4%				117.8	0.4%	
	2033			624,937	0.4%				103.0	0.4%				118.3	0.4%	
	2034			627,337	0.4%				103.4	0.4%				118.7	0.4%	
	2035			629,714	0.4%				103.8	0.4%				119.2	0.4%	
CAGR <sup>[3]</sup>	2006-2015		-1.1%		-1.0%			-1.2%		-2.5%			-1.4%		-2.1%	
	2016-2025				0.7%					0.6%					0.6%	
	2026-2035				0.4%					0.4%					0.4%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Ft. Pierce**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	615,574	-	615,574	-	113.9	119.0	113.9	119.0	113.9	117.3	113.9	117.3
	2007	607,585	-1.3%	607,585	-1.3%	98.6	118.8	98.6	118.8	98.6	116.8	98.6	116.8
	2008	590,911	-2.7%	590,911	-2.7%	108.5	116.9	108.5	116.9	107.3	110.4	107.3	110.4
	2009	553,488	-6.3%	553,488	-6.3%	111.5	115.4	111.5	115.4	111.5	115.3	111.5	115.3
	2010	568,638	2.7%	568,638	2.7%	124.1	108.7	124.1	108.7	124.1	108.7	124.1	108.7
	2011	552,427	-2.9%	552,427	-2.9%	114.8	104.3	114.8	104.3	114.8	99.6	114.8	99.6
	2012	537,115	-2.8%	537,115	-2.8%	97.0	103.3	97.0	103.3	97.0	97.0	97.0	97.0
	2013	532,037	-0.9%	532,037	-0.9%	86.7	103.7	86.7	103.7	86.7	100.9	86.7	100.9
	2014	544,750	2.4%	544,750	2.4%	89.2	105.5	89.2	105.5	89.2	103.2	89.2	103.2
	2015	559,062	2.6%	550,666	1.1%	101.8	107.2	105.9	106.9	101.8	103.4	100.8	104.3
Projected	2016	567,648	1.5%	556,016	1.0%	102.1	111.1	106.7	107.8	93.8	107.7	101.7	105.1
	2017	573,909	1.1%	560,245	0.8%	103.1	112.2	107.5	108.6	94.7	108.8	102.4	105.9
	2018	577,886	0.7%	564,991	0.8%	103.7	112.9	108.4	109.5	95.3	109.5	103.3	106.8
	2019	581,584	0.6%	569,643	0.8%	104.4	113.6	109.3	110.4	95.9	110.2	104.1	107.7
	2020	585,316	0.6%	573,986	0.8%	105.0	114.3	110.1	111.2	96.6	110.9	104.9	108.5
	2021	588,990	0.6%	578,068	0.7%	105.7	115.0	110.9	112.0	97.2	111.5	105.6	109.2
	2022	592,508	0.6%	582,024	0.7%	106.3	115.7	111.7	112.8	97.7	112.2	106.3	110.0
	2023	595,980	0.6%	586,064	0.7%	106.9	116.4	112.4	113.6	98.3	112.9	107.1	110.8
	2024	599,360	0.6%	590,131	0.7%	107.5	117.1	113.2	114.4	98.9	113.5	107.8	111.5
	2025	602,619	0.5%	594,137	0.7%	108.1	117.7	114.0	115.1	99.4	114.1	108.6	112.3
	2026	605,778	0.5%	598,042	0.7%	108.7	118.3	114.7	115.9	99.9	114.7	109.3	113.0
	2027	608,896	0.5%	601,826	0.6%	109.2	118.9	115.4	116.6	100.4	115.3	109.9	113.7
	2028	611,971	0.5%	605,399	0.6%	109.8	119.5	116.1	117.3	100.9	115.9	110.6	114.4
	2029	614,903	0.5%	608,683	0.5%	110.3	120.1	116.7	117.9	101.4	116.4	111.2	115.0
	2030	617,625	0.4%	611,660	0.5%	110.8	120.6	117.3	118.5	101.8	116.9	111.7	115.5
	2031	620,132	0.4%	614,425	0.5%	111.2	121.1	117.8	119.0	102.2	117.4	112.2	116.1
	2032	622,538	0.4%	617,127	0.4%	111.7	121.5	118.3	119.5	102.6	117.8	112.7	116.6
	2033	624,937	0.4%	619,889	0.4%	112.1	122.0	118.9	120.1	103.0	118.3	113.2	117.1
	2034	627,337	0.4%	622,706	0.5%	112.5	122.5	119.4	120.6	103.4	118.7	113.7	117.6
	2035	629,714	0.4%			112.9	122.9			103.8	119.2		
CAGR <sup>[1]</sup>	Historical		-1.1%		-1.5%	-1.2%	-1.2%	-3.0%	-1.5%	0.4%	-1.5%	-1.4%	-1.8%
	1st 10 Prj Yrs		0.7%		0.7%	0.6%	0.6%	0.7%	0.7%	0.6%	0.6%	0.7%	0.7%
	2nd 10 Prj Yrs		0.4%		0.5%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Ft. Pierce**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	44,874	41,507	44,261	48,445	53,713	57,721	61,546	62,964	57,717	52,888	43,681	44,275	613,592	615,574
	2007	45,132	40,716	44,593	45,380	51,887	55,823	60,419	64,999	57,795	57,043	42,049	43,908	609,742	607,585
	2008	44,044	41,950	43,909	45,244	53,619	54,268	53,286	56,303	55,288	48,457	39,651	39,759	575,777	590,911
	2009	41,690	37,407	40,189	41,105	48,148	52,817	54,703	56,997	52,567	50,793	40,303	40,057	556,773	553,488
	2010	48,185	39,824	40,035	39,054	49,609	54,915	57,259	55,879	52,725	45,135	38,576	46,871	568,067	568,638
	2011	39,989	35,444	39,789	44,186	48,823	51,723	55,193	55,783	50,915	43,756	39,505	38,611	543,717	552,427
	2012	40,289	37,959	42,245	41,208	48,485	48,630	53,967	53,597	48,864	46,590	36,378	38,798	537,009	537,115
	2013	38,862	36,703	39,531	43,013	45,811	50,571	50,494	55,584	49,703	47,956	40,594	39,269	538,090	532,037
	2014	41,266	36,491	39,550	42,999	49,051	49,104	52,521	56,213	49,737	46,418	37,633	39,506	540,489	544,750
	2015	39,271	36,281	43,675	47,356	51,177	54,226	55,367	55,498	52,653	49,143	40,976	42,561	568,184	559,062
Projected	2016	42,142	40,008	41,774	45,591	49,786	51,113	56,557	55,706	52,292	49,477	41,748	43,334	569,526	567,648
	2017	42,774	40,615	42,429	46,075	50,213	51,544	56,984	56,063	52,655	49,888	42,169	43,745	575,154	573,909
	2018	43,221	40,884	42,680	46,351	50,461	51,779	57,272	56,427	53,008	50,215	42,438	44,020	578,757	577,886
	2019	43,501	41,145	42,944	46,634	50,773	52,112	57,647	56,798	53,356	50,538	42,703	44,293	582,445	581,584
	2020	43,782	41,407	43,209	46,921	51,090	52,452	58,031	57,179	53,713	50,868	42,973	44,570	586,192	585,316
	2021	44,065	41,669	43,470	47,201	51,397	52,781	58,400	57,544	54,052	51,181	43,227	44,830	589,817	588,990
	2022	44,332	41,917	43,719	47,469	51,693	53,099	58,759	57,899	54,385	51,488	43,478	45,088	593,323	592,508
	2023	44,596	42,162	43,964	47,733	51,984	53,412	59,113	58,250	54,713	51,790	43,723	45,340	596,780	595,980
	2024	44,855	42,402	44,203	47,988	52,267	53,717	59,456	58,590	55,030	52,082	43,960	45,581	600,129	599,360
	2025	45,104	42,632	44,432	48,234	52,538	54,011	59,789	58,919	55,337	52,363	44,187	45,814	603,361	602,619
Projected	2026	45,345	42,855	44,653	48,472	52,801	54,297	60,113	59,241	55,637	52,639	44,410	46,042	606,504	605,778
	2027	45,582	43,074	44,871	48,706	53,061	54,580	60,434	59,560	55,936	52,913	44,632	46,269	609,620	608,896
	2028	45,818	43,292	45,086	48,936	53,316	54,858	60,749	59,873	56,227	53,179	44,846	46,487	612,668	611,971
	2029	46,045	43,500	45,291	49,154	53,557	55,122	61,049	60,169	56,503	53,430	45,046	46,690	615,557	614,903
	2030	46,257	43,694	45,480	49,356	53,780	55,367	61,326	60,443	56,757	53,660	45,228	46,875	618,223	617,625
	2031	46,450	43,872	45,653	49,540	53,985	55,593	61,583	60,698	56,994	53,875	45,400	47,050	620,693	620,132
	2032	46,634	44,041	45,818	49,717	54,183	55,812	61,834	60,948	57,227	54,088	45,570	47,224	623,095	622,538
	2033	46,818	44,209	45,982	49,893	54,379	56,031	62,084	61,198	57,460	54,300	45,739	47,396	625,490	624,937
	2034	47,001	44,377	46,146	50,069	54,576	56,251	62,337	61,450	57,695	54,513	45,908	47,569	627,892	627,337
	2035	47,184	44,545	46,309	50,242	54,770	56,468	62,585	61,697	57,925	54,721	46,073	47,736	630,254	629,714

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.2%	7.9%	8.8%	9.4%	10.0%	10.3%	9.4%	8.6%	7.1%	7.2%	100.0%
	2007	7.4%	6.7%	7.3%	7.4%	8.5%	9.2%	9.9%	10.7%	9.5%	9.4%	6.9%	7.2%	100.0%
	2008	7.6%	7.3%	7.6%	7.9%	9.3%	9.4%	9.3%	9.8%	9.6%	8.4%	6.9%	6.9%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.6%	9.5%	9.8%	10.2%	9.4%	9.1%	7.2%	7.2%	100.0%
	2010	8.5%	7.0%	7.0%	6.9%	8.7%	9.7%	10.1%	9.8%	9.3%	7.9%	6.8%	8.3%	100.0%
	2011	7.4%	6.5%	7.3%	8.1%	9.0%	9.5%	10.2%	10.3%	9.4%	8.0%	7.3%	7.1%	100.0%
	2012	7.5%	7.1%	7.9%	7.7%	9.0%	9.1%	10.0%	10.0%	9.1%	8.7%	6.8%	7.2%	100.0%
	2013	7.2%	6.8%	7.3%	8.0%	8.5%	9.4%	9.4%	10.3%	9.2%	8.9%	7.5%	7.3%	100.0%
	2014	7.6%	6.8%	7.3%	8.0%	9.1%	9.1%	9.7%	10.4%	9.2%	8.6%	7.0%	7.3%	100.0%
	2015	6.9%	6.4%	7.7%	8.3%	9.0%	9.5%	9.7%	9.8%	9.3%	8.6%	7.2%	7.5%	100.0%
Projected	2016	7.4%	7.0%	7.3%	8.0%	8.7%	9.0%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2017	7.4%	7.1%	7.4%	8.0%	8.7%	9.0%	9.9%	9.7%	9.2%	8.7%	7.3%	7.6%	100.0%
	2018	7.5%	7.1%	7.4%	8.0%	8.7%	8.9%	9.9%	9.7%	9.2%	8.7%	7.3%	7.6%	100.0%
	2019	7.5%	7.1%	7.4%	8.0%	8.7%	8.9%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2020	7.5%	7.1%	7.4%	8.0%	8.7%	8.9%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2021	7.5%	7.1%	7.4%	8.0%	8.7%	8.9%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2022	7.5%	7.1%	7.4%	8.0%	8.7%	8.9%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2023	7.5%	7.1%	7.4%	8.0%	8.7%	9.0%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2024	7.5%	7.1%	7.4%	8.0%	8.7%	9.0%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
	2025	7.5%	7.1%	7.4%	8.0%	8.7%	9.0%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%
Avg.	2006-2015	7.5%	6.8%	7.4%	7.8%	8.9%	9.4%	9.8%	10.2%	9.3%	8.6%	7.1%	7.3%	100.0%
	2016-2025	7.5%	7.1%	7.4%	8.0%	8.7%	9.0%	9.9%	9.8%	9.2%	8.7%	7.3%	7.6%	100.0%

1      2      3      4      5      6      7      8      9      10      11      12

**FMPA 2016 Load Forecast - Base Case**  
**Ft. Pierce**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	89.3	113.9	90.3	103.1	105.6	111.8	119.0	118.3	116.2	106.2	97.5	84.2	113.9	119.0
	2007	90.3	98.6	92.0	91.2	99.6	110.2	116.5	118.8	113.5	108.0	91.6	83.2	98.6	118.8
	2008	108.5	87.5	84.5	88.3	108.5	116.9	113.7	110.8	109.1	95.3	85.0	76.0	108.5	116.9
	2009	106.2	111.5	82.8	83.3	96.9	115.4	108.9	107.2	102.7	103.9	90.0	79.5	111.5	115.4
	2010	124.1	92.3	94.0	75.5	93.4	108.7	107.1	107.5	103.7	93.3	93.5	114.8	124.1	108.7
	2011	98.9	72.2	83.0	92.9	95.1	104.3	103.8	104.2	99.9	91.5	83.5	68.0	114.8	104.3
	2012	97.0	86.8	77.2	89.1	99.0	97.9	101.6	103.3	95.2	97.2	68.5	75.3	97.0	103.3
	2013	71.6	82.8	86.7	85.2	89.7	100.8	99.9	103.7	101.2	96.0	84.4	76.3	86.7	103.7
	2014	89.2	76.1	74.0	91.8	93.6	99.0	103.9	105.5	101.1	95.6	84.9	72.0	89.2	105.5
	2015	72.1	101.8	85.2	100.3	99.7	104.9	106.2	107.2	106.4	92.7	82.4	72.4	101.8	107.2
Projected	2016	102.1	89.9	78.0	89.4	101.3	107.3	108.9	111.1	105.2	96.1	83.3	73.1	102.1	111.1
	2017	103.1	90.8	78.8	90.2	102.3	108.4	110.0	112.2	106.2	97.1	83.8	73.6	103.1	112.2
	2018	103.7	91.4	79.3	90.8	103.0	109.0	110.7	112.9	106.9	97.7	84.3	74.1	103.7	112.9
	2019	104.4	92.0	79.8	91.4	103.6	109.7	111.4	113.6	107.6	98.3	84.9	74.6	104.4	113.6
	2020	105.0	92.6	80.3	92.0	104.3	110.4	112.1	114.3	108.3	98.9	85.4	75.0	105.0	114.3
	2021	105.7	93.2	80.8	92.5	104.9	111.1	112.8	115.0	108.9	99.6	85.9	75.5	105.7	115.0
	2022	106.3	93.7	81.3	93.1	105.6	111.8	113.5	115.7	109.6	100.1	86.4	75.9	106.3	115.7
	2023	106.9	94.3	81.7	93.6	106.2	112.4	114.1	116.4	110.2	100.7	86.9	76.3	106.9	116.4
	2024	107.5	94.8	82.2	94.2	106.8	113.1	114.8	117.1	110.8	101.3	87.3	76.7	107.5	117.1
	2025	108.1	95.3	82.6	94.7	107.4	113.7	115.4	117.7	111.4	101.8	87.8	77.1	108.1	117.7
Projected	2026	108.7	95.8	83.1	95.2	107.9	114.3	116.0	118.3	112.0	102.4	88.3	77.5	108.7	118.3
	2027	109.2	96.3	83.5	95.6	108.5	114.9	116.6	118.9	112.6	102.9	88.7	77.9	109.2	118.9
	2028	109.8	96.8	83.9	96.1	109.0	115.4	117.2	119.5	113.2	103.4	89.1	78.3	109.8	119.5
	2029	110.3	97.2	84.3	96.6	109.5	116.0	117.7	120.1	113.7	103.9	89.5	78.6	110.3	120.1
	2030	110.8	97.6	84.7	97.0	110.0	116.5	118.2	120.6	114.2	104.3	89.9	78.9	110.8	120.6
	2031	111.2	98.0	85.0	97.4	110.4	116.9	118.7	121.1	114.6	104.8	90.2	79.2	111.2	121.1
	2032	111.7	98.4	85.3	97.8	110.9	117.4	119.2	121.5	115.1	105.2	90.6	79.5	111.7	121.5
	2033	112.1	98.8	85.7	98.1	111.3	117.8	119.6	122.0	115.5	105.6	90.9	79.9	112.1	122.0
	2034	112.5	99.2	86.0	98.5	111.7	118.3	120.1	122.5	116.0	106.0	91.2	80.2	112.5	122.5
	2035	112.9	99.5	86.3	98.9	112.1	118.7	120.5	122.9	116.4	106.4	91.6	80.4	112.9	122.9

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										63.3%	67.4%	75.3%		
	2006	67.6%	54.2%	65.9%	63.1%	75.7%	69.4%	71.8%	71.6%	69.0%	66.9%	60.2%	73.0%	61.5%	58.9%
	2007	67.2%	61.5%	65.2%	66.9%	77.5%	68.1%	72.0%	73.6%	70.7%	71.0%	61.7%	73.3%	70.6%	58.6%
	2008	54.6%	68.9%	69.9%	68.8%	73.6%	62.4%	65.1%	68.3%	70.4%	68.4%	62.7%	72.7%	60.6%	56.2%
	2009	52.8%	49.9%	65.2%	66.4%	73.9%	61.5%	69.8%	71.5%	71.1%	65.7%	60.2%	69.9%	57.0%	55.1%
	2010	52.2%	64.2%	57.3%	69.6%	79.0%	67.9%	74.3%	69.8%	70.6%	65.0%	55.5%	56.7%	52.3%	59.7%
	2011	54.4%	73.1%	64.5%	63.9%	76.4%	66.7%	73.9%	72.0%	70.8%	64.3%	63.6%	78.9%	54.1%	59.5%
	2012	55.8%	62.8%	73.5%	62.1%	72.9%	66.8%	73.7%	69.7%	71.3%	64.4%	71.4%	71.6%	63.2%	59.3%
	2013	73.0%	66.0%	61.3%	67.9%	76.0%	67.4%	70.2%	72.1%	68.2%	67.1%	64.7%	71.5%	70.9%	59.2%
	2014	62.2%	71.4%	71.8%	62.9%	78.0%	66.7%	70.2%	71.6%	68.3%	65.2%	59.6%	76.2%	69.2%	58.5%
	2015	73.2%	53.0%	68.9%	63.5%	76.4%	69.5%	72.4%	69.6%	68.7%	71.2%	66.8%	81.6%	63.7%	60.5%
Projected	2016	55.5%	63.9%	72.0%	68.6%	73.1%	64.0%	72.1%	67.4%	69.0%	69.2%	67.4%	82.3%	63.7%	58.5%
	2017	55.8%	66.5%	72.4%	68.6%	73.0%	63.9%	72.0%	67.2%	68.8%	69.1%	67.6%	82.5%	63.7%	58.5%
	2018	56.0%	66.6%	72.4%	68.6%	72.9%	63.8%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2019	56.0%	66.6%	72.4%	68.6%	72.9%	63.8%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2020	56.0%	64.3%	72.3%	68.6%	72.9%	63.8%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2021	56.0%	66.6%	72.3%	68.6%	72.9%	63.8%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2022	56.0%	66.6%	72.3%	68.5%	72.9%	63.8%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2023	56.1%	66.6%	72.3%	68.5%	72.8%	63.9%	71.9%	67.3%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%
	2024	56.1%	64.3%	72.3%	68.5%	72.8%	63.9%	72.0%	67.3%	69.0%	69.1%	67.6%	82.5%	63.7%	58.5%
	2025	56.1%	66.6%	72.3%	68.5%	72.8%	63.9%	72.0%	67.3%	69.0%	69.1%	67.6%	82.5%	63.7%	58.5%
Avg.	2006-2015	61.3%	62.5%	66.3%	65.5%	75.9%	66.6%	71.3%	71.0%	69.9%	66.9%	62.6%	72.5%	62.3%	58.6%
	2016-2025	56.0%	65.8%	72.3%	68.6%	72.9%	63.9%	71.9%	67.2%	68.9%	69.1%	67.6%	82.5%	63.7%	58.5%

FMPA 2016 Load Forecast - Base Case  
**Ft. Pierce**  
 Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	86.8	113.9	87.0	98.7	104.4	109.9	113.3	117.3	107.6	102.5	91.3	84.2	113.9	117.3
	2007	90.3	98.6	78.7	89.0	99.1	108.3	116.5	116.8	111.4	101.8	90.6	80.9	98.6	116.8
	2008	107.3	81.8	82.1	85.1	108.5	107.5	96.0	110.4	98.3	88.8	83.6	76.0	107.3	110.4
	2009	106.2	111.5	82.8	75.1	95.2	115.3	102.7	103.5	100.2	103.0	80.4	69.6	111.5	115.3
	2010	124.1	90.8	94.0	71.3	92.3	108.7	101.8	106.4	99.5	92.5	78.7	114.8	124.1	108.7
	2011	98.3	72.2	69.7	88.7	88.5	98.1	100.3	99.6	99.9	88.3	81.1	65.1	114.8	99.6
	2012	97.0	86.8	76.2	89.1	89.5	91.1	97.0	100.0	86.2	92.1	68.2	66.0	97.0	97.0
	2013	55.0	80.8	86.7	85.2	89.3	98.7	89.7	100.9	98.2	89.9	82.3	66.8	86.7	100.9
	2014	89.2	68.4	67.9	89.4	92.0	95.4	102.5	103.2	95.2	95.6	55.6	72.0	89.2	103.2
	2015	60.2	101.8	82.7	87.8	99.2	103.4	101.8	99.5	102.6	90.0	72.2	68.3	101.8	103.4
Projected	2016	93.8	87.7	73.2	85.9	98.4	104.0	104.3	107.7	101.4	93.3	72.9	69.0	93.8	107.7
	2017	94.7	88.6	73.9	86.7	99.4	105.0	105.3	108.8	102.4	94.3	73.3	69.4	94.7	108.8
	2018	95.3	89.1	74.4	87.2	100.0	105.6	106.0	109.5	103.1	94.9	73.8	69.9	95.3	109.5
	2019	95.9	89.7	74.9	87.8	100.6	106.3	106.7	110.2	103.7	95.5	74.3	70.3	95.9	110.2
	2020	96.6	90.3	75.4	88.4	101.3	107.0	107.3	110.9	104.4	96.1	74.7	70.8	96.6	110.9
	2021	97.2	90.8	75.8	88.9	101.9	107.7	108.0	111.5	105.0	96.7	75.2	71.2	97.2	111.5
	2022	97.7	91.4	76.3	89.4	102.5	108.3	108.6	112.2	105.6	97.2	75.6	71.6	97.7	112.2
	2023	98.3	91.9	76.7	90.0	103.1	108.9	109.3	112.9	106.3	97.8	76.1	72.0	98.3	112.9
	2024	98.9	92.4	77.1	90.5	103.7	109.5	109.9	113.5	106.9	98.4	76.5	72.4	98.9	113.5
	2025	99.4	92.9	77.6	91.0	104.2	110.1	110.5	114.1	107.4	98.9	76.9	72.8	99.4	114.1
Projected	2026	99.9	93.4	78.0	91.4	104.8	110.7	111.1	114.7	108.0	99.4	77.3	73.1	99.9	114.7
	2027	100.4	93.9	78.4	91.9	105.3	111.3	111.6	115.3	108.5	99.9	77.6	73.5	100.4	115.3
	2028	100.9	94.4	78.8	92.4	105.8	111.8	112.2	115.9	109.1	100.4	78.0	73.8	100.9	115.9
	2029	101.4	94.8	79.1	92.8	106.3	112.4	112.7	116.4	109.6	100.9	78.3	74.2	101.4	116.4
	2030	101.8	95.2	79.5	93.2	106.8	112.8	113.2	116.9	110.1	101.3	78.7	74.5	101.8	116.9
	2031	102.2	95.6	79.8	93.6	107.2	113.3	113.7	117.4	110.5	101.7	79.0	74.7	102.2	117.4
	2032	102.6	96.0	80.1	93.9	107.6	113.7	114.1	117.8	110.9	102.1	79.3	75.0	102.6	117.8
	2033	103.0	96.3	80.4	94.3	108.0	114.2	114.5	118.3	111.4	102.5	79.6	75.3	103.0	118.3
	2034	103.4	96.7	80.7	94.7	108.5	114.6	115.0	118.7	111.8	102.9	79.9	75.6	103.4	118.7
	2035	103.8	97.1	81.0	95.0	108.9	115.0	115.4	119.2	112.2	103.3	80.2	75.9	103.8	119.2

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.3%	100.0%	96.6%		
	2006	97.2%	100.0%	96.4%	95.7%	98.9%	98.2%	95.3%	99.2%	92.6%	96.5%	93.6%	100.0%	100.0%	98.6%
	2007	100.0%	100.0%	85.6%	97.6%	99.5%	98.3%	100.0%	98.4%	98.1%	94.3%	98.9%	97.2%	100.0%	98.4%
	2008	98.9%	93.5%	97.2%	96.4%	100.0%	91.9%	84.4%	99.7%	90.1%	93.2%	98.3%	100.0%	98.9%	94.4%
	2009	100.0%	100.0%	100.0%	90.2%	98.3%	99.9%	94.3%	96.5%	97.5%	99.1%	89.4%	87.5%	100.0%	99.9%
	2010	100.0%	98.4%	100.0%	94.4%	98.8%	100.0%	95.1%	98.9%	96.0%	99.1%	84.2%	100.0%	100.0%	100.0%
	2011	99.4%	100.0%	84.0%	95.4%	93.0%	94.1%	96.7%	95.6%	100.0%	96.5%	97.2%	95.8%	100.0%	95.5%
	2012	100.0%	100.0%	98.7%	100.0%	90.4%	93.1%	95.4%	96.8%	90.5%	94.7%	99.6%	100.0%	100.0%	93.8%
	2013	76.8%	97.6%	100.0%	100.0%	99.6%	98.0%	89.8%	97.3%	97.1%	93.6%	97.5%	87.6%	100.0%	97.3%
	2014	100.0%	89.9%	91.7%	97.3%	98.3%	96.4%	98.7%	97.8%	94.2%	100.0%	65.5%	100.0%	100.0%	97.8%
	2015	83.4%	100.0%	97.0%	87.5%	99.5%	98.6%	95.9%	92.9%	96.4%	97.1%	87.5%	94.3%	100.0%	96.5%
Projected	2016	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2017	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2018	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2019	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2020	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2021	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2022	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2023	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2024	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2025	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%
	2006-2015	95.6%	97.9%	95.0%	95.5%	97.6%	96.8%	94.5%	97.3%	95.2%	96.4%	91.2%	95.0%	99.9%	97.2%
	2016-2025	91.9%	97.5%	93.9%	96.1%	97.1%	96.9%	95.8%	97.0%	96.4%	97.1%	87.5%	94.3%	91.9%	97.0%

# FMPA 2016 Load Forecast - Base Case - Ft Pierce

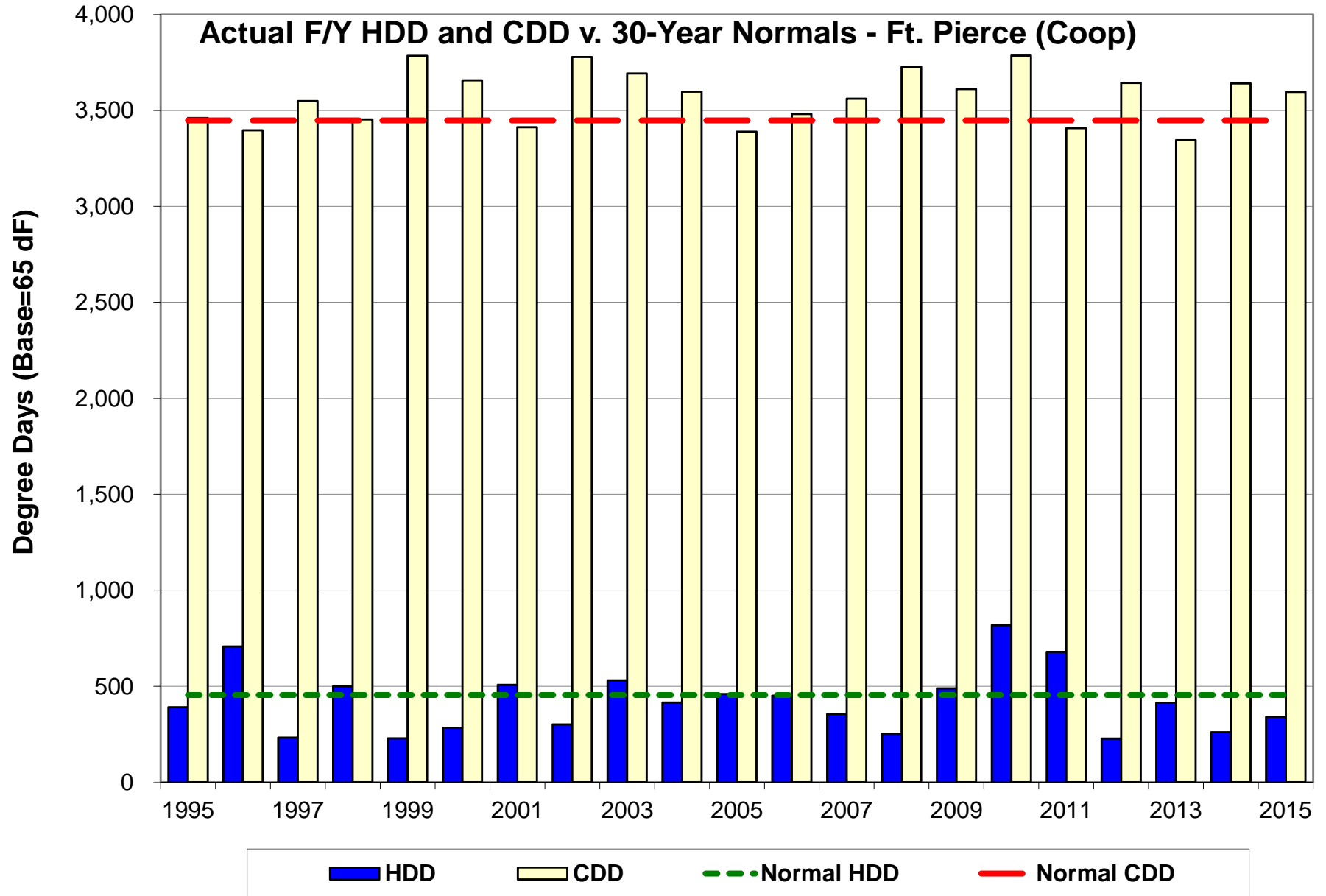
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

		Residential						General Service						Residential Lights		City Lights		TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg		(MWh)	% Chg
Historical	2006	251,837		22,125		11,382		336,541		4,468		75.3		5,648		5,750		599,776		15,798	615,574	
	2007	233,543	-7.3%	22,195	0.3%	10,522	-7.6%	328,479	-2.4%	4,688	4.9%	70.1	-7.0%	5,850	3.6%	5,657	-1.6%	573,529	-4.4%	34,056	607,585	-1.3%
	2008	224,017	-4.1%	23,467	5.7%	9,546	-9.3%	336,746	2.5%	5,131	9.4%	65.6	-6.3%	5,977	2.2%	5,673	0.3%	572,413	-0.2%	18,498	590,911	-2.7%
	2009	209,719	-6.4%	23,328	-0.6%	8,990	-5.8%	327,259	-2.8%	5,085	-0.9%	64.4	-1.9%	5,992	0.3%	5,717	0.8%	548,687	-4.1%	4,801	553,488	-6.3%
	2010	226,860	8.2%	22,828	-2.1%	9,938	10.5%	308,544	-5.7%	5,031	-1.0%	61.3	-4.7%	5,980	-0.2%	5,762	0.8%	547,146	-0.3%	21,492	568,638	2.7%
	2011	216,942	-4.4%	22,733	-0.4%	9,543	-4.0%	301,655	-2.2%	5,018	-0.3%	60.1	-2.0%	5,989	0.2%	5,860	1.7%	530,446	-3.1%	21,981	552,427	-2.9%
	2012	204,343	-5.8%	22,785	0.2%	8,968	-6.0%	303,115	0.5%	5,016	-0.1%	60.4	0.5%	5,958	-0.5%	6,024	2.8%	519,440	-2.1%	17,675	537,115	-2.8%
	2013	203,586	-0.4%	22,631	-0.7%	8,996	0.3%	294,790	-2.7%	4,999	-0.3%	59.0	-2.4%	5,919	-0.7%	6,071	0.8%	510,366	-1.7%	21,671	532,037	-0.9%
	2014	212,712	4.5%	23,045	1.8%	9,230	2.6%	297,437	0.9%	5,052	1.1%	58.9	-0.2%	5,906	-0.2%	6,050	-0.3%	522,105	2.3%	22,645	544,750	2.4%
	2015	227,451	6.9%	23,148	0.4%	9,826	6.5%	302,088	1.6%	5,073	0.4%	59.5	1.1%	5,932	0.4%	4,506	-25.5%	539,977	3.4%	19,085	559,062	2.6%
Projected	2016	223,080	-1.9%	23,217	0.3%	9,609	-2.2%	313,626	3.8%	5,106	0.6%	61.4	3.2%	6,023	1.5%	4,128	-8.4%	546,857	1.3%	20,791	567,648	1.5%
	2017	224,620	0.7%	23,261	0.2%	9,657	0.5%	317,997	1.4%	5,136	0.6%	61.9	0.8%	6,113	1.5%	4,169	1.0%	552,899	1.1%	21,011	573,909	1.1%
	2018	226,747	0.9%	23,347	0.4%	9,712	0.6%	319,629	0.5%	5,165	0.6%	61.9	-0.1%	6,188	1.2%	4,196	0.7%	556,760	0.7%	21,126	577,886	0.7%
	2019	229,031	1.0%	23,451	0.4%	9,766	0.6%	320,819	0.4%	5,191	0.5%	61.8	-0.1%	6,259	1.1%	4,217	0.5%	560,326	0.6%	21,258	581,584	0.6%
	2020	231,443	1.1%	23,564	0.5%	9,822	0.6%	321,918	0.3%	5,216	0.5%	61.7	-0.1%	6,329	1.1%	4,235	0.4%	563,924	0.6%	21,392	585,316	0.6%
	2021	233,846	1.0%	23,681	0.5%	9,875	0.5%	322,973	0.3%	5,241	0.5%	61.6	-0.1%	6,398	1.1%	4,251	0.4%	567,467	0.6%	21,523	588,990	0.6%
	2022	236,197	1.0%	23,799	0.5%	9,925	0.5%	323,932	0.3%	5,265	0.4%	61.5	-0.2%	6,465	1.0%	4,266	0.4%	570,860	0.6%	21,648	592,508	0.6%
	2023	238,556	1.0%	23,918	0.5%	9,974	0.5%	324,841	0.3%	5,287	0.4%	61.4	-0.2%	6,531	1.0%	4,281	0.4%	574,209	0.6%	21,771	595,980	0.6%
	2024	240,899	1.0%	24,035	0.5%	10,023	0.5%	325,678	0.3%	5,309	0.4%	61.3	-0.2%	6,596	1.0%	4,296	0.3%	577,469	0.6%	21,891	599,360	0.6%
	2025	243,233	1.0%	24,151	0.5%	10,071	0.5%	326,411	0.2%	5,330	0.4%	61.2	-0.2%	6,659	0.9%	4,310	0.3%	580,613	0.5%	22,006	602,619	0.5%
	2026	245,544	1.0%	24,265	0.5%	10,119	0.5%	327,072	0.2%	5,350	0.4%	61.1	-0.2%	6,719	0.9%	4,324	0.3%	583,659	0.5%	22,118	605,778	0.5%
	2027	247,851	0.9%	24,378	0.5%	10,167	0.5%	327,700	0.2%	5,369	0.4%	61.0	-0.2%	6,779	0.9%	4,338	0.3%	586,667	0.5%	22,228	608,896	0.5%
	2028	250,182	0.9%	24,493	0.5%	10,215	0.5%	328,262	0.2%	5,388	0.3%	60.9	-0.2%	6,838	0.9%	4,352	0.3%	589,634	0.5%	22,337	611,971	0.5%
	2029	252,489	0.9%	24,604	0.5%	10,262	0.5%	328,714	0.1%	5,405	0.3%	60.8	-0.2%	6,895	0.8%	4,365	0.3%	592,464	0.5%	22,440	614,903	0.5%
	2030	254,699	0.9%	24,711	0.4%	10,307	0.4%	329,064	0.1%	5,421	0.3%	60.7	-0.2%	6,948	0.8%	4,378	0.3%	595,090	0.4%	22,535	617,625	0.4%
	2031	256,785	0.8%	24,812	0.4%	10,349	0.4%	329,335	0.1%	5,436	0.3%	60.6	-0.2%	6,998	0.7%	4,390	0.3%	597,509	0.4%	22,622	620,132	0.4%
	2032	258,807	0.8%	24,909	0.4%	10,390	0.4%	329,577	0.1%	5,451	0.3%	60.5	-0.2%	7,046	0.7%	4,402	0.3%	599,832	0.4%	22,707	622,538	0.4%
	2033	260,851	0.8%	25,004	0.4%	10,432	0.4%	329,791	0.1%	5,465	0.3%	60.3	-0.2%	7,092	0.7%	4,413	0.3%	602,146	0.4%	22,791	624,937	0.4%
	2034	262,946	0.8%	25,100	0.4%	10,476	0.4%	329,954	0.0%	5,478	0.2%	60.2	-0.2%	7,137	0.6%	4,425	0.3%	604,462	0.4%	22,875	627,337	0.4%
	2035	265,060	0.8%	25,197	0.4%	10,519	0.4%	330,077	0.0%	5,491	0.2%	60.1	-0.2%	7,183	0.6%	4,436	0.3%	606,756	0.4%	22,958	629,714	0.4%
CAGR	2006-2015		-1.1%		0.5%		-1.6%		-1.2%		1.4%		-2.6%		0.5%		-2.7%		-1.2%			-1.1%
	2016-2025		1.0%		0.4%		0.5%		0.4%		0.5%		0.0%		1.1%		0.5%		0.7%			0.7%
	2026-2035		0.9%		0.4%		0.4%		0.1%		0.3%		-0.2%		0.7%		0.3%		0.4%			0.4%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Fort Pierce (St. Lucie County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	176.9	-	68.0	-	61.9	-	2.73	-	3,837	-	4,235	-	62,298	-
1996	181.0	2.3%	70.1	3.1%	63.7	2.8%	2.65	-3.3%	3,977	3.7%	4,420	4.4%	63,071	1.2%
1997	185.1	2.3%	72.0	2.7%	65.2	2.4%	2.65	0.0%	4,041	1.6%	4,598	4.0%	63,879	1.3%
1998	187.8	1.5%	73.5	2.1%	67.1	2.9%	2.73	3.3%	4,147	2.6%	4,886	6.3%	66,478	4.1%
1999	190.6	1.5%	75.5	2.8%	67.6	0.8%	2.85	4.4%	4,201	1.3%	5,024	2.8%	66,505	0.0%
2000	194.2	1.9%	77.8	3.0%	69.7	3.1%	2.94	3.0%	4,321	2.8%	5,310	5.7%	68,231	2.6%
2001	199.4	2.7%	80.3	3.1%	71.1	2.1%	2.92	-0.6%	4,500	4.1%	5,558	4.7%	69,258	1.5%
2002	206.9	3.8%	83.6	4.2%	76.0	6.8%	2.82	-3.2%	4,939	9.8%	5,696	2.5%	68,119	-1.6%
2003	216.3	4.6%	87.8	5.0%	80.4	5.8%	2.96	4.8%	5,335	8.0%	5,938	4.2%	67,605	-0.8%
2004	229.7	6.2%	93.3	6.3%	89.5	11.3%	3.10	4.8%	6,132	15.0%	6,801	14.5%	72,857	7.8%
2005	242.9	5.7%	98.7	5.7%	96.1	7.4%	3.23	4.2%	6,776	10.5%	7,197	5.8%	72,947	0.1%
2006	256.3	5.5%	103.6	5.0%	101.1	5.2%	3.69	14.2%	7,122	5.1%	7,580	5.3%	73,185	0.3%
2007	267.2	4.2%	107.1	3.4%	101.7	0.7%	3.15	-14.5%	7,288	2.3%	7,921	4.5%	73,990	1.1%
2008	273.1	2.2%	108.4	1.2%	100.8	-1.0%	2.64	-16.2%	6,731	-7.6%	8,223	3.8%	75,865	2.5%
2009	275.0	0.7%	107.8	-0.5%	96.2	-4.5%	2.01	-23.8%	6,242	-7.3%	7,968	-3.1%	73,885	-2.6%
2010	279.1	1.5%	108.3	0.5%	96.5	0.3%	2.02	0.6%	6,161	-1.3%	8,324	4.5%	76,830	4.0%
2011	281.1	0.8%	108.3	0.0%	98.3	1.9%	2.08	2.6%	6,030	-2.1%	8,632	3.7%	79,690	3.7%
2012	284.1	1.0%	110.0	1.6%	100.3	2.0%	2.24	7.8%	5,970	-1.0%	8,465	-1.9%	76,930	-3.5%
2013	286.9	1.0%	108.6	-1.3%	102.0	1.7%	2.53	13.0%	6,003	0.5%	8,399	-0.8%	77,328	0.5%
2014	291.5	1.6%	110.1	1.4%	104.4	2.4%	2.86	12.9%	6,035	0.5%	8,650	3.0%	78,554	1.6%
2015	296.4	1.7%	112.2	1.9%	107.6	3.1%	2.78	-2.6%	6,227	3.2%	9,018	4.2%	80,362	2.3%
2016	301.6	1.7%	114.5	2.0%	110.2	2.4%	2.75	-1.3%	6,450	3.6%	9,357	3.8%	81,738	1.7%
2017	307.0	1.8%	116.8	2.1%	112.7	2.3%	2.81	2.2%	6,717	4.1%	9,726	3.9%	83,249	1.8%
2018	312.8	1.9%	119.2	2.0%	115.3	2.3%	2.87	2.1%	6,991	4.1%	10,077	3.6%	84,531	1.5%
2019	318.7	1.9%	121.7	2.1%	117.9	2.2%	2.91	1.7%	7,267	3.9%	10,428	3.5%	85,701	1.4%
2020	324.9	1.9%	124.3	2.1%	120.6	2.3%	2.96	1.8%	7,567	4.1%	10,804	3.6%	86,955	1.5%
2021	331.3	2.0%	126.9	2.1%	123.3	2.2%	3.01	1.7%	7,842	3.6%	11,180	3.5%	88,106	1.3%
2022	338.0	2.0%	129.6	2.1%	126.1	2.3%	3.06	1.6%	8,154	4.0%	11,572	3.5%	89,308	1.4%
2023	344.9	2.0%	132.3	2.1%	128.9	2.3%	3.11	1.4%	8,487	4.1%	11,979	3.5%	90,552	1.4%
2024	351.8	2.0%	135.0	2.0%	131.7	2.1%	3.15	1.2%	8,809	3.8%	12,386	3.4%	91,756	1.3%
2025	358.8	2.0%	137.7	2.0%	134.5	2.1%	3.17	0.8%	9,130	3.6%	12,794	3.3%	92,919	1.3%
2026	366.0	2.0%	140.4	2.0%	137.3	2.1%	3.19	0.6%	9,471	3.7%	13,222	3.3%	94,165	1.3%
2027	373.2	2.0%	143.2	2.0%	140.2	2.1%	3.21	0.7%	9,833	3.8%	13,667	3.4%	95,437	1.4%
2028	380.3	1.9%	146.0	1.9%	143.1	2.0%	3.23	0.5%	10,194	3.7%	14,103	3.2%	96,626	1.2%
2029	387.4	1.9%	148.7	1.8%	145.9	2.0%	3.24	0.4%	10,560	3.6%	14,529	3.0%	97,741	1.2%
2030	394.5	1.8%	151.3	1.8%	148.7	1.9%	3.25	0.3%	10,917	3.4%	14,943	2.8%	98,787	1.1%
2031	401.4	1.8%	153.8	1.7%	151.5	1.9%	3.26	0.2%	11,296	3.5%	15,369	2.9%	99,948	1.2%
2032	408.3	1.7%	156.3	1.6%	154.4	1.9%	3.26	0.1%	11,678	3.4%	15,813	2.9%	101,198	1.3%
2033	415.2	1.7%	158.8	1.6%	157.2	1.8%	3.26	0.1%	12,060	3.3%	16,259	2.8%	102,417	1.2%
2034	422.1	1.7%	161.4	1.6%	159.8	1.7%	3.26	-0.1%	12,443	3.2%	16,710	2.8%	103,571	1.1%
2035	429.1	1.6%	164.0	1.7%	162.5	1.6%	3.25	-0.2%	12,840	3.2%	17,172	2.8%	104,705	1.1%
<b>Average Percent Change</b>														
<b>2005-2015</b>				2.0%		1.3%		1.1%		-1.5%		-0.8%		2.3%
<b>2016-2025</b>				2.0%		2.1%		2.2%		1.6%		3.9%		3.5%
<b>2026-2035</b>				1.8%		1.8%		1.9%		0.2%		3.5%		3.0%





## Green Cove Springs

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FMPA 2016 Load Forecast - Base Case  
**Green Cove Springs (Forecast Limited by the CROD)\***  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	128,436	-	127,124	-	-1.0%	29.2	-	26.8	-	-8.1%	26.3	-	28.1		6.8%
	2007	126,976	-1.1%	128,327	0.9%	1.1%	23.8	-18.4%	27.4	2.3%	15.3%	27.5	4.7%	26.7	-4.9%	-3.0%
	2008	126,805	-0.1%	127,568	-0.6%	0.6%	26.0	9.5%	25.8	-6.0%	-1.1%	26.9	-2.4%	26.7	-0.1%	-0.7%
	2009	127,346	0.4%	126,929	-0.5%	-0.3%	31.4	20.7%	27.7	7.4%	-12.0%	27.0	0.5%	27.4	2.7%	1.4%
	2010	131,721	3.4%	124,596	-1.8%	-5.4%	33.6	7.0%	26.9	-2.7%	-20.0%	26.8	-0.6%	25.6	-6.4%	-4.5%
	2011	124,697	-5.3%	118,918	-4.6%	-4.6%	29.6	-11.9%	28.2	4.7%	-4.8%	23.0	-14.4%	20.8	-19.0%	-9.5%
	2012	114,590	-8.1%	115,142	-3.2%	0.5%	26.6	-10.3%	24.2	-14.2%	-9.0%	24.0	4.7%	25.6	23.3%	6.6%
	2013	113,318	-1.1%	113,151	-1.7%	-0.1%	24.4	-8.3%	24.2	0.1%	-0.6%	24.2	0.5%	25.0	-2.6%	3.3%
	2014	110,365	-2.6%	110,198	-2.6%	-0.2%	24.2	-0.6%	24.3	0.2%	0.1%	21.4	-11.4%	22.0	-12.0%	2.7%
	2015	111,412	0.9%	108,492	-1.5%	-2.6%	27.5	13.7%	24.4	0.6%	-11.4%	23.1	7.7%	26.6	21.2%	15.5%
Projected	2016	116,955	5.0%	116,955	7.8%		24.7	-10.4%	24.7	1.1%		23.8	3.0%	23.8	-10.8%	
	2017			119,347	2.0%				25.2	2.2%				24.3	2.2%	
	2018			121,837	2.1%				25.7	2.0%				24.8	2.0%	
	2019			124,061	1.8%				26.2	1.8%				25.2	1.8%	
	2020			116,032	-6.5%				25.1	-4.2%				23.7	-6.0%	
	2021			112,937	-2.7%				25.0	-0.2%				23.7	0.0%	
	2022			113,099	0.1%				25.1	0.2%				23.7	0.0%	
	2023			113,194	0.1%				25.1	0.0%				23.7	0.0%	
	2024			113,357	0.1%				25.1	0.1%				23.7	0.0%	
	2025			113,322	0.0%				25.0	-0.3%				23.7	0.0%	
	2026			113,465	0.1%				25.1	0.1%				23.7	0.0%	
	2027			113,549	0.1%				25.1	0.0%				23.7	0.0%	
	2028			113,697	0.1%				25.1	0.1%				23.7	0.0%	
	2029			113,644	0.0%				25.0	-0.3%				23.7	0.0%	
	2030			113,765	0.1%				25.0	0.1%				23.7	0.0%	
	2031			113,837	0.1%				25.0	0.0%				23.7	0.0%	
	2032			113,958	0.1%				25.0	0.1%				23.7	0.0%	
	2033			113,890	-0.1%				25.0	-0.3%				23.7	0.0%	
	2034			114,015	0.1%				25.0	0.1%				23.7	0.0%	
	2035			114,073	0.1%				25.0	0.0%				23.7	0.0%	
CAGR <sup>[3]</sup>	2006-2015		-1.6%		-1.7%			-0.6%		-1.0%			-1.5%		-0.6%	
	2016-2025				-0.3%					0.2%					0.0%	
	2026-2035				0.1%					0.0%					0.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

\* GCS's CROD is 27.61 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.

The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads. (The ARP's winter peak is usually in January, but GCS' highest winter CP is estimated to be in Feb.)

**FMPA 2016 Load Forecast - Base Case**  
**Green Cove Springs (Forecast Limited by the CROD)\***  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	128,436	-	128,436	-	29.2	27.3	29.2	27.3	29.2	26.3	29.2	26.3
	2007	126,976	-1.1%	126,976	-1.1%	27.7	28.1	27.7	28.1	23.8	27.5	23.8	27.5
	2008	126,805	-0.1%	126,805	-0.1%	26.1	27.0	26.1	27.0	26.0	26.9	26.0	26.9
	2009	127,346	0.4%	127,346	0.4%	33.2	27.0	33.2	27.0	31.4	27.0	31.4	27.0
	2010	131,721	3.4%	131,721	3.4%	33.6	27.4	33.6	27.4	33.6	26.8	33.6	26.8
	2011	124,697	-5.3%	124,697	-5.3%	31.1	26.6	31.1	26.6	29.6	23.0	29.6	23.0
	2012	114,590	-8.1%	114,590	-8.1%	27.0	24.1	27.0	24.1	26.6	24.0	26.6	24.0
	2013	113,318	-1.1%	113,318	-1.1%	26.2	24.7	26.2	24.7	24.4	24.2	24.4	24.2
	2014	110,365	-2.6%	110,365	-2.6%	26.8	24.1	26.8	24.1	24.2	21.4	24.2	21.4
	2015	111,412	0.9%	109,908	-0.4%	27.5	24.6	26.0	23.9	27.5	23.1	25.1	22.5
Projected	2016	116,955	5.0%	113,766	3.5%	27.8	25.3	26.8	24.7	24.7	23.8	25.9	23.2
	2017	119,347	2.0%	116,815	2.7%	28.4	25.8	27.5	25.3	25.2	24.3	26.6	23.8
	2018	121,837	2.1%	119,982	2.7%	29.0	26.3	28.3	26.0	25.7	24.8	27.3	24.5
	2019	124,061	1.8%	123,137	2.6%	29.5	26.8	29.0	26.7	26.2	25.2	28.1	25.1
	2020	116,032	-6.5%	126,460	2.7%	27.6	25.3	29.8	27.4	25.1	23.7	28.8	25.8
	2021	112,937	-2.7%	129,610	2.5%	27.6	25.3	30.5	28.1	25.0	23.7	29.5	26.4
	2022	113,099	0.1%	133,041	2.6%	27.6	25.3	31.4	28.8	25.1	23.7	30.3	27.1
	2023	113,194	0.1%	136,599	2.7%	27.6	25.3	32.2	29.6	25.1	23.7	31.1	27.9
	2024	113,357	0.1%	140,444	2.8%	27.6	25.3	33.1	30.4	25.1	23.7	32.0	28.6
	2025	113,322	0.0%	143,953	2.5%	27.6	25.3	33.9	31.2	25.0	23.7	32.8	29.3
	2026	113,465	0.1%	147,654	2.6%	27.6	25.3	34.8	32.0	25.1	23.7	33.6	30.1
	2027	113,549	0.1%	151,409	2.5%	27.6	25.3	35.7	32.8	25.1	23.7	34.5	30.9
	2028	113,697	0.1%	155,298	2.6%	27.6	25.3	36.6	33.6	25.1	23.7	35.4	31.6
	2029	113,644	0.0%	158,653	2.2%	27.6	25.3	37.4	34.3	25.0	23.7	36.1	32.3
	2030	113,765	0.1%	162,144	2.2%	27.6	25.3	38.2	35.1	25.0	23.7	36.9	33.0
	2031	113,837	0.1%	165,602	2.1%	27.6	25.3	39.0	35.8	25.0	23.7	37.7	33.7
	2032	113,958	0.1%	169,268	2.2%	27.6	25.3	39.8	36.6	25.0	23.7	38.5	34.5
	2033	113,890	-0.1%	172,502	1.9%	27.6	25.3	40.6	37.3	25.0	23.7	39.3	35.1
	2034	114,015	0.1%	176,014	2.0%	27.6	25.3	41.4	38.1	25.0	23.7	40.1	35.8
	2035	114,073	0.1%			27.6	25.3			25.0	23.7		
CAGR <sup>[1]</sup>	Historical		-1.6%		-1.9%	-0.6%	-1.1%	-1.1%	-1.5%	1.8%	-2.2%	0.3%	-3.5%
	1st 10 Prj Yrs		-0.3%		2.6%	-0.1%	0.0%	2.7%	2.7%	0.2%	0.0%	2.7%	2.7%
	2nd 10 Prj Yrs		0.1%		2.3%	0.0%	0.0%	2.2%	2.2%	0.0%	0.0%	2.2%	2.2%

\* GCS's CROD is 27.61 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.

The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads. (The ARP's winter peak is usually in January, but GCS' highest winter CP is estimated to be in Feb.)

[1] CAGR - Compound Annual Growth Rate

FMPA 2016 Load Forecast - Base Case  
**Green Cove Springs (Forecast Limited by the CROD)**  
 Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	9,648	9,240	9,105	9,478	11,200	11,843	12,976	13,819	11,903	10,081	8,929	9,377	127,600	128,436
	2007	10,033	9,206	9,187	9,222	10,601	11,773	12,630	14,001	11,936	10,881	8,863	9,621	127,953	126,976
	2008	9,003	9,056	9,364	9,485	11,370	12,040	12,469	12,516	12,137	10,328	9,381	9,626	126,776	126,805
	2009	10,715	9,632	9,241	8,897	10,819	12,125	12,195	12,449	11,938	10,777	8,624	9,866	127,278	127,346
	2010	12,260	10,208	9,420	8,695	11,562	12,509	12,944	13,135	11,722	9,238	8,352	11,909	131,954	131,721
	2011	10,950	8,452	8,546	9,385	10,597	11,595	11,932	12,839	10,904	8,644	7,945	8,472	120,260	124,697
	2012	9,414	8,050	8,572	8,749	10,195	10,240	11,988	11,478	10,842	9,436	8,334	8,689	115,988	114,590
	2013	8,465	7,984	8,699	8,172	9,284	10,801	11,102	11,821	10,530	9,152	7,650	8,138	111,799	113,318
	2014	10,437	7,788	7,918	7,898	9,380	9,977	10,835	11,363	9,827	8,551	7,942	8,502	110,419	110,365
	2015	9,237	8,553	7,907	8,377	9,876	10,532	11,085	10,939	9,911	9,283	8,386	9,242	113,328	111,412
Projected	2016	9,881	8,653	8,610	8,360	9,717	10,635	11,672	11,856	10,660	9,406	8,481	9,454	117,386	116,955
	2017	10,101	8,707	8,782	8,564	9,951	10,899	11,940	12,170	10,891	9,607	8,649	9,657	119,920	119,347
	2018	10,327	8,897	8,961	8,740	10,152	11,126	12,187	12,424	11,110	9,793	8,807	9,836	122,359	121,837
	2019	10,527	9,061	9,119	8,890	10,325	11,325	12,410	12,653	11,316	9,967	8,958	10,007	124,557	124,061
	2020	9,673	8,433	8,067	7,906	9,305	10,341	11,397	11,640	10,338	8,954	7,937	8,955	112,946	116,032
	2021	9,680	8,275	8,083	7,918	9,316	10,361	11,423	11,668	10,365	8,975	7,952	8,975	112,992	112,937
	2022	9,714	8,298	8,090	7,920	9,316	10,368	11,435	11,679	10,378	8,981	7,954	8,982	113,116	113,099
	2023	9,733	8,309	8,095	7,921	9,315	10,374	11,447	11,691	10,391	8,989	7,958	8,989	113,212	113,194
	2024	9,754	8,478	8,091	7,912	9,301	10,367	11,443	11,687	10,389	8,983	7,949	8,983	113,337	113,357
	2025	9,759	8,318	8,108	7,924	9,313	10,387	11,469	11,713	10,415	9,001	7,961	9,000	113,370	113,322
Projected	2026	9,790	8,338	8,114	7,926	9,312	10,393	11,480	11,724	10,426	9,007	7,963	9,005	113,478	113,465
	2027	9,808	8,347	8,120	7,927	9,311	10,399	11,491	11,735	10,438	9,013	7,964	9,011	113,562	113,549
	2028	9,825	8,513	8,115	7,918	9,298	10,391	11,486	11,729	10,434	9,006	7,955	9,003	113,672	113,697
	2029	9,826	8,351	8,133	7,931	9,310	10,410	11,510	11,753	10,457	9,021	7,965	9,017	113,683	113,644
	2030	9,852	8,367	8,138	7,932	9,309	10,415	11,520	11,763	10,467	9,027	7,966	9,021	113,777	113,765
	2031	9,867	8,374	8,144	7,934	9,308	10,421	11,529	11,770	10,475	9,030	7,966	9,023	113,841	113,837
	2032	9,878	8,535	8,139	7,925	9,296	10,412	11,522	11,763	10,470	9,021	7,955	9,013	113,930	113,958
	2033	9,877	8,373	8,154	7,936	9,307	10,430	11,545	11,787	10,493	9,038	7,967	9,030	113,936	113,890
	2034	9,904	8,391	8,159	7,937	9,306	10,434	11,553	11,794	10,501	9,041	7,968	9,033	114,021	114,015
	2035	9,916	8,397	8,162	7,937	9,305	10,439	11,562	11,803	10,510	9,047	7,970	9,038	114,086	114,073

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.2%	7.1%	7.4%	8.8%	9.3%	10.2%	10.8%	9.3%	7.9%	7.0%	7.3%	100.0%
	2007	7.8%	7.2%	7.2%	7.2%	8.3%	9.2%	9.9%	10.9%	9.3%	8.5%	6.9%	7.5%	100.0%
	2008	7.1%	7.1%	7.4%	7.5%	9.0%	9.5%	9.8%	9.9%	9.6%	8.1%	7.4%	7.6%	100.0%
	2009	8.4%	7.6%	7.3%	7.0%	8.5%	9.5%	9.6%	9.8%	9.4%	8.5%	6.8%	7.8%	100.0%
	2010	9.3%	7.7%	7.1%	6.6%	8.8%	9.5%	9.8%	10.0%	8.9%	7.0%	6.3%	9.0%	100.0%
	2011	9.1%	7.0%	7.1%	7.8%	8.8%	9.6%	9.9%	10.7%	9.1%	7.2%	6.6%	7.0%	100.0%
	2012	8.1%	6.9%	7.4%	7.5%	8.8%	8.8%	10.3%	9.9%	9.3%	8.1%	7.2%	7.5%	100.0%
	2013	7.6%	7.1%	7.8%	7.3%	8.3%	9.7%	9.9%	10.6%	9.4%	8.2%	6.8%	7.3%	100.0%
	2014	9.5%	7.1%	7.2%	7.2%	8.5%	9.0%	9.8%	10.3%	8.9%	7.7%	7.2%	7.7%	100.0%
	2015	8.2%	7.5%	7.0%	7.4%	8.7%	9.3%	9.8%	9.7%	8.7%	8.2%	7.4%	8.2%	100.0%
Projected	2016	8.4%	7.4%	7.3%	7.1%	8.3%	9.1%	9.9%	10.1%	9.1%	8.0%	7.2%	8.1%	100.0%
	2017	8.4%	7.3%	7.3%	7.1%	8.3%	9.1%	10.0%	10.1%	9.1%	8.0%	7.2%	8.1%	100.0%
	2018	8.4%	7.3%	7.3%	7.1%	8.3%	9.1%	10.0%	10.2%	9.1%	8.0%	7.2%	8.0%	100.0%
	2019	8.5%	7.3%	7.3%	7.1%	8.3%	9.1%	10.0%	10.2%	9.1%	8.0%	7.2%	8.0%	100.0%
	2020	8.6%	7.5%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
	2021	8.6%	7.3%	7.2%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
	2022	8.6%	7.3%	7.2%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
	2023	8.6%	7.3%	7.2%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
	2024	8.6%	7.5%	7.1%	7.0%	8.2%	9.1%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
	2025	8.6%	7.3%	7.2%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.0%	7.9%	100.0%
Avg.	2006-2015	8.3%	7.3%	7.3%	7.3%	8.6%	9.3%	9.9%	10.2%	9.2%	7.9%	7.0%	7.7%	100.0%
	2016-2025	8.5%	7.3%	7.2%	7.1%	8.3%	9.1%	10.0%	10.2%	9.1%	8.0%	7.1%	8.0%	100.0%

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\* GCS's CROD is 27.61 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.  
 The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads. (The ARP's winter peak is usually in January, but GCS' highest winter CP is estimated to be in Feb.)

FMPA 2016 Load Forecast - Base Case  
**Green Cove Springs (Forecast Limited by the CROD)**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	25.8	29.2	18.4	21.3	23.8	25.1	26.5	27.3	25.4	22.1	20.0	21.3	29.2	27.3
	2007	27.7	25.2	22.1	19.6	21.3	25.2	25.9	28.1	24.8	24.2	18.7	21.9	27.7	28.1
	2008	26.1	24.6	20.4	18.3	22.6	25.8	25.9	27.0	25.2	21.9	23.4	25.5	26.1	27.0
	2009	31.8	33.2	23.9	18.6	23.9	27.0	24.5	26.0	24.8	24.7	17.9	23.0	33.2	27.0
	2010	33.6	26.9	24.7	17.9	23.7	27.4	26.8	26.6	24.5	21.2	18.4	29.6	33.6	27.4
	2011	31.1	23.7	16.3	21.9	24.1	25.3	24.4	26.6	22.9	18.2	15.9	18.9	31.1	26.6
	2012	26.6	27.0	17.1	19.8	22.0	22.6	24.1	23.9	23.0	21.5	21.5	21.2	27.0	24.1
	2013	21.5	26.2	24.4	18.1	20.1	23.7	22.9	24.7	23.2	20.2	17.3	18.5	26.2	24.7
	2014	26.8	23.6	18.7	19.6	20.5	22.2	23.1	24.1	23.4	19.4	24.7	20.3	26.8	24.1
	2015	23.7	27.5	15.0	18.6	22.1	24.6	23.8	24.0	22.7	20.2	17.6	21.5	27.5	24.6
Projected	2016	25.5	27.8	19.6	18.3	21.9	24.3	23.8	25.3	23.1	20.7	18.0	21.9	27.8	25.3
	2017	26.0	28.4	20.1	18.7	22.4	24.8	24.3	25.8	23.6	21.2	18.3	22.4	28.4	25.8
	2018	26.6	29.0	20.5	19.1	22.9	25.4	24.8	26.3	24.1	21.6	18.7	22.8	29.0	26.3
	2019	27.1	29.5	20.8	19.4	23.3	25.8	25.2	26.8	24.5	22.0	19.0	23.2	29.5	26.8
	2020	26.0	27.6	19.3	17.9	21.7	24.3	23.7	25.3	23.0	20.5	17.4	21.6	27.6	25.3
	2021	25.9	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.4	21.6	27.6	25.3
	2022	26.0	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.6	27.6	25.3
	2023	26.0	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.7	27.6	25.3
	2024	26.0	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.6	27.6	25.3
	2025	25.9	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.6	27.6	25.3
Projected	2026	26.0	27.6	19.3	17.9	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.6	27.6	25.3
	2027	26.0	27.6	19.3	18.0	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.7	27.6	25.3
	2028	26.0	27.6	19.3	18.0	21.8	24.3	23.7	25.3	23.0	20.5	17.5	21.6	27.6	25.3
	2029	25.9	27.6	19.3	18.0	21.8	24.3	23.8	25.3	23.1	20.5	17.5	21.6	27.6	25.3
	2030	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3
	2031	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3
	2032	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3
	2033	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3
	2034	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3
	2035	25.9	27.6	19.4	18.0	21.8	24.3	23.8	25.3	23.1	20.6	17.5	21.6	27.6	25.3

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										64.4%	63.7%	59.8%		
	2006	50.3%	47.2%	66.4%	59.8%	69.9%	63.4%	68.0%	68.1%	65.0%	61.2%	60.0%	61.1%	50.0%	53.4%
	2007	48.7%	54.3%	56.0%	63.3%	74.2%	62.7%	67.6%	66.9%	66.8%	60.3%	63.7%	61.1%	52.7%	51.9%
	2008	46.4%	53.0%	61.7%	69.5%	74.7%	62.7%	67.0%	62.2%	66.9%	63.4%	53.8%	52.5%	55.5%	53.5%
	2009	45.4%	43.2%	51.9%	64.4%	67.5%	60.3%	69.0%	64.4%	66.9%	58.7%	64.6%	59.7%	43.8%	53.8%
	2010	49.0%	56.5%	51.3%	65.4%	72.6%	61.5%	67.0%	66.4%	66.5%	58.6%	61.0%	55.8%	44.8%	55.1%
	2011	47.3%	53.1%	70.4%	57.5%	65.5%	61.6%	67.8%	64.9%	66.2%	63.9%	67.2%	62.2%	44.1%	51.7%
	2012	47.6%	42.8%	67.4%	59.3%	68.9%	60.8%	69.2%	64.5%	65.5%	58.9%	52.1%	57.0%	49.0%	55.0%
	2013	53.0%	45.3%	48.0%	60.8%	68.6%	61.2%	67.2%	64.3%	63.0%	60.9%	59.4%	61.1%	48.7%	51.7%
	2014	52.4%	49.1%	56.9%	54.2%	68.2%	60.3%	65.3%	63.4%	58.4%	59.1%	43.2%	58.0%	47.1%	52.3%
	2015	52.4%	46.2%	71.0%	60.5%	66.6%	57.5%	64.8%	61.4%	60.6%	61.7%	64.1%	59.8%	47.0%	52.5%
Projected	2016	52.1%	44.7%	58.9%	61.4%	65.9%	58.8%	68.1%	63.1%	64.0%	60.9%	63.4%	59.9%	48.2%	53.1%
	2017	52.1%	45.6%	58.8%	61.6%	66.1%	59.0%	68.2%	63.4%	64.0%	60.9%	63.4%	60.0%	48.2%	53.1%
	2018	52.2%	45.7%	58.8%	61.6%	66.1%	59.0%	68.2%	63.4%	64.0%	60.9%	63.4%	60.0%	48.2%	53.1%
	2019	52.3%	45.7%	58.8%	61.6%	66.0%	59.0%	68.3%	63.5%	64.0%	60.9%	63.3%	59.9%	48.2%	53.1%
	2020	50.0%	43.9%	56.2%	59.4%	63.7%	57.2%	66.7%	61.9%	62.4%	58.7%	61.3%	57.7%	46.7%	51.0%
	2021	50.2%	44.6%	56.3%	59.4%	63.7%	57.3%	66.9%	62.0%	62.5%	58.8%	61.3%	57.7%	46.7%	51.0%
	2022	50.3%	44.7%	56.4%	59.4%	63.7%	57.4%	66.9%	62.1%	62.6%	58.9%	61.2%	57.7%	46.8%	51.1%
	2023	50.4%	44.8%	56.4%	59.4%	63.7%	57.4%	67.0%	62.2%	62.7%	58.9%	61.2%	57.7%	46.8%	51.1%
	2024	50.4%	44.1%	56.3%	59.3%	63.6%	57.3%	66.9%	62.1%	62.6%	58.8%	61.2%	57.8%	46.9%	51.2%
	2025	50.6%	44.8%	56.4%	59.4%	63.7%	57.5%	67.1%	62.3%	62.8%	58.9%	61.2%	57.8%	46.9%	51.2%
Avg.	2006-2015	49.2%	49.1%	60.1%	61.5%	69.7%	61.2%	67.3%	64.7%	64.6%	60.7%	58.9%	58.8%	48.3%	53.1%
	2016-2025	51.1%	44.9%	57.3%	60.3%	64.6%	58.0%	67.4%	62.6%	63.2%	59.7%	62.1%	58.6%	47.4%	51.9%

\* GCS's CROD is 27.61 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.

The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads. (The ARP's winter peak is usually in January, but GCS' highest winter CP is estimated to be in Feb.)

FMPA 2016 Load Forecast - Base Case  
**Green Cove Springs (Forecast Limited by the CROD)**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	20.7	29.2	16.3	20.6	21.6	25.1	25.5	26.3	23.0	21.5	15.5	16.3	29.2	26.3
	2007	27.7	23.8	16.8	18.5	21.1	24.6	25.7	27.5	24.8	22.9	17.0	17.0	23.8	27.5
	2008	26.0	22.6	16.5	17.9	22.0	25.8	25.6	26.9	24.6	21.9	17.2	25.5	26.0	26.9
	2009	31.8	31.4	23.9	18.3	23.4	27.0	24.5	25.6	24.3	24.1	12.4	23.0	31.4	27.0
	2010	33.6	26.9	24.7	17.2	22.5	26.8	26.8	26.4	23.9	20.5	14.8	29.6	33.6	26.8
	2011	29.0	22.5	14.6	21.6	22.6	25.3	23.6	23.0	21.5	17.6	15.5	13.9	29.6	23.0
	2012	26.6	27.0	15.8	18.3	20.2	22.0	24.0	22.9	22.4	20.1	13.7	21.2	26.6	24.0
	2013	21.5	26.2	24.4	18.1	18.8	22.8	21.3	24.2	23.1	20.2	15.0	13.8	24.4	24.2
	2014	24.2	23.6	14.7	19.6	20.5	21.8	20.6	21.4	22.5	18.9	24.7	20.1	24.2	21.4
	2015	23.7	27.5	15.0	17.1	22.1	23.1	22.7	24.0	21.1	19.6	15.1	19.0	27.5	23.1
Projected	2016	24.7	27.5	18.1	17.3	21.0	23.6	22.3	23.8	22.2	20.1	15.4	19.4	24.7	23.8
	2017	25.2	28.1	18.5	17.7	21.5	24.1	22.8	24.3	22.7	20.5	15.7	19.8	25.2	24.3
	2018	25.7	28.7	18.9	18.0	21.9	24.6	23.3	24.8	23.2	20.9	16.0	20.2	25.7	24.8
	2019	26.2	29.2	19.2	18.4	22.3	25.0	23.7	25.2	23.6	21.3	16.3	20.6	26.2	25.2
	2020	25.1	27.6	17.6	16.8	20.8	23.5	22.2	23.7	22.1	19.8	14.7	18.9	25.1	23.7
	2021	25.0	27.6	17.6	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.7	19.0	25.0	23.7
	2022	25.1	27.6	17.6	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.7	19.0	25.1	23.7
	2023	25.1	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.8	19.0	25.1	23.7
	2024	25.1	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.8	19.0	25.1	23.7
	2025	25.0	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.8	19.0	25.0	23.7
Projected	2026	25.1	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.8	19.0	25.1	23.7
	2027	25.1	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.8	14.8	19.0	25.1	23.7
	2028	25.1	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.9	14.8	19.0	25.1	23.7
	2029	25.0	27.6	17.7	16.9	20.8	23.5	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2030	25.0	27.6	17.7	16.9	20.8	23.6	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2031	25.0	27.6	17.7	16.9	20.8	23.6	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2032	25.0	27.6	17.7	16.9	20.8	23.6	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2033	25.0	27.6	17.7	17.0	20.8	23.6	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2034	25.0	27.6	17.7	17.0	20.8	23.6	22.2	23.7	22.1	19.9	14.8	19.0	25.0	23.7
	2035	25.0	27.6	17.7	17.0	20.8	23.6	22.2	23.7	22.1	19.9	14.9	19.1	25.0	23.7

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										100.0%	92.9%	98.3%		
	2006	80.3%	100.0%	88.2%	96.7%	90.7%	100.0%	96.3%	96.4%	90.4%	97.1%	77.5%	76.3%	100.0%	96.4%
	2007	100.0%	94.4%	76.0%	94.6%	99.1%	97.3%	99.2%	98.0%	100.0%	94.3%	91.0%	77.6%	85.9%	98.0%
	2008	99.9%	92.0%	81.0%	97.8%	97.3%	100.0%	99.1%	99.4%	97.5%	100.0%	73.4%	100.0%	99.9%	99.4%
	2009	100.0%	94.7%	100.0%	98.6%	98.3%	100.0%	100.0%	98.4%	98.0%	97.7%	69.3%	100.0%	94.7%	100.0%
	2010	100.0%	100.0%	100.0%	96.1%	94.9%	98.1%	99.8%	99.4%	97.8%	96.9%	80.6%	100.0%	100.0%	98.1%
	2011	93.0%	95.0%	89.7%	98.6%	93.9%	100.0%	96.4%	86.4%	94.1%	96.5%	97.7%	73.4%	95.1%	86.4%
	2012	100.0%	100.0%	92.3%	92.3%	91.5%	97.2%	99.9%	95.8%	97.4%	93.6%	63.6%	100.0%	98.2%	99.9%
	2013	100.0%	100.0%	100.0%	100.0%	93.5%	96.2%	92.8%	97.8%	99.7%	100.0%	86.6%	74.5%	92.9%	97.8%
	2014	90.5%	100.0%	78.4%	100.0%	100.0%	98.2%	89.4%	88.8%	96.5%	97.2%	100.0%	98.9%	90.5%	88.8%
	2015	100.0%	100.0%	100.0%	91.9%	100.0%	93.7%	95.6%	100.0%	93.0%	96.8%	85.7%	88.6%	100.0%	93.7%
Projected	2016	96.7%	99.0%	92.1%	94.6%	95.8%	97.0%	93.9%	94.1%	96.1%	96.8%	85.7%	88.6%	88.7%	94.1%
	2017	96.7%	99.0%	92.1%	94.6%	95.8%	97.0%	93.9%	94.1%	96.1%	96.8%	85.7%	88.6%	88.7%	94.1%
	2018	96.7%	99.0%	92.1%	94.6%	95.8%	97.0%	93.9%	94.1%	96.1%	96.8%	85.7%	88.6%	88.7%	94.1%
	2019	96.7%	99.0%	92.1%	94.6%	95.8%	97.0%	93.9%	94.1%	96.1%	96.8%	85.7%	88.6%	88.7%	94.1%
	2020	96.5%	100.0%	91.4%	94.1%	95.5%	96.8%	93.5%	93.7%	95.9%	96.6%	84.4%	87.8%	90.8%	93.7%
	2021	96.5%	100.0%	91.5%	94.1%	95.5%	96.9%	93.5%	93.7%	95.9%	96.6%	84.5%	87.8%	90.6%	93.7%
	2022	96.5%	100.0%	91.5%	94.1%	95.5%	96.9%	93.5%	93.7%	95.9%	96.6%	84.5%	87.8%	90.8%	93.7%
	2023	96.5%	100.0%	91.5%	94.1%	95.5%	96.9%	93.5%	93.8%	95.9%	96.6%	84.5%	87.9%	90.8%	93.8%
	2024	96.5%	100.0%	91.5%	94.1%	95.5%	96.9%	93.6%	93.8%	95.9%	96.6%	84.5%	87.9%	90.9%	93.8%
	2025	96.5%	100.0%	91.5%	94.2%	95.5%	96.9%	93.6%	93.8%	95.9%	96.6%	84.6%	87.9%	90.7%	93.8%
	2006-2015	96.4%	97.6%	90.6%	96.7%	95.9%	98.1%	96.9%	96.0%	96.4%	97.0%	82.6%	88.9%	95.7%	95.9%
	2016-2025	96.6%	99.6%	91.7%	94.3%	95.6%	96.9%	93.7%	93.9%	96.0%	96.7%	85.0%	88.2%	89.9%	93.9%

\* GCS's CROD is 27.61 MW and is to be compared to the highest coincident peak demand in the previous 12 months minus any excluded resources to determine MaxD.

The ratio of CROD/MaxD is used for calculation of scheduled energy and billed loads. (The ARP's winter peak is usually in January, but GCS' highest winter CP is estimated to be in Feb.)

FMPA 2016 Load Forecast - Base Case - Green Cove Springs

Historical and Projected - Energy Sales by Customer Class  
(Fiscal Year 2006-2035)

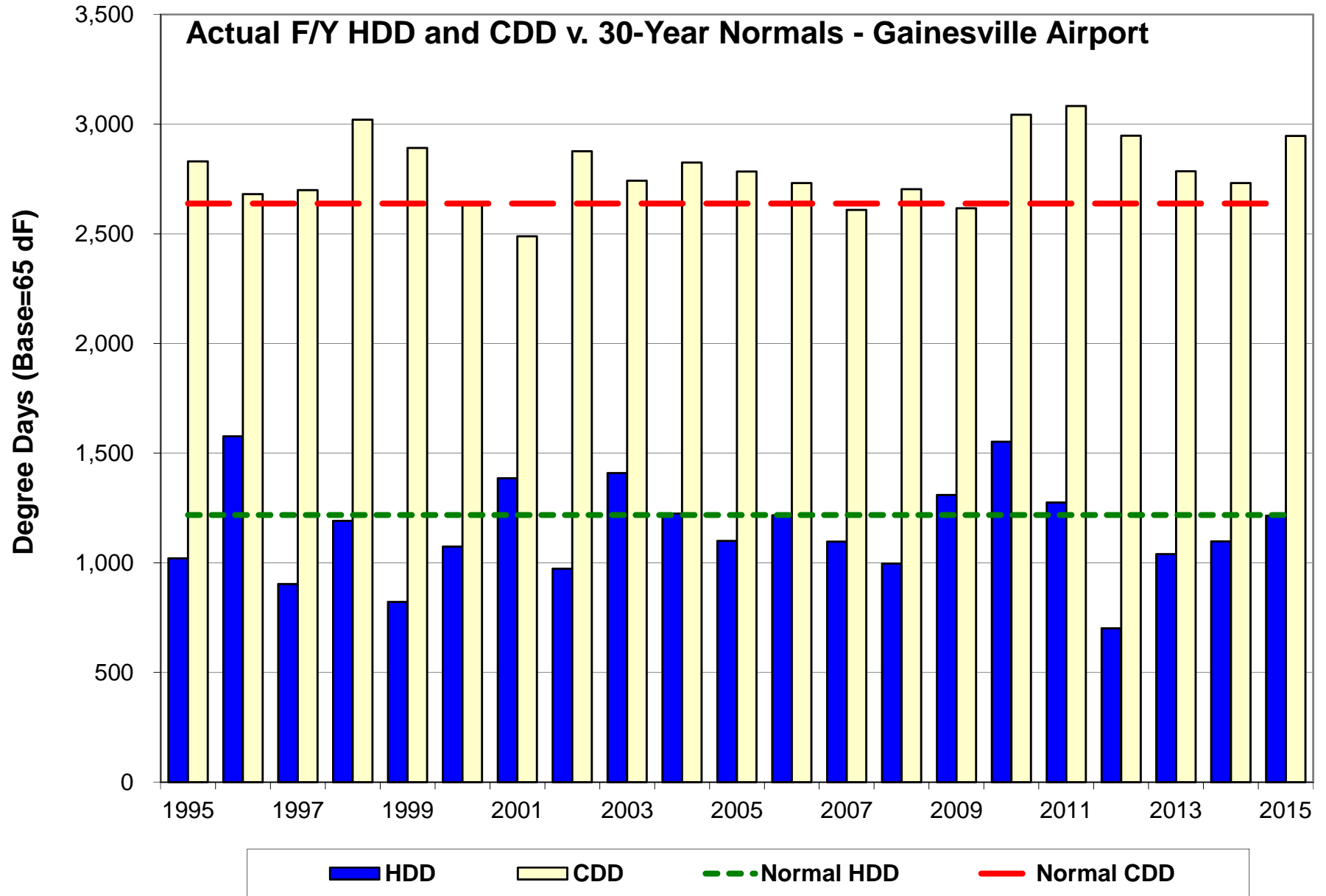
	Fiscal Year	Residential						General Service Non-Demand						General Service Demand						Large Service Demand						City		TOTAL SALES		DISTR. LOSSES	TOTAL NEL		
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	(MWh)	% Chg		
Historical	2006	44,552		3,068		14,520		10,872		478		22.7		44,445		106		420		15,464		6		2,577		2,993		118,326		10,110		128,436	
	2007	44,230	-0.7%	3,139	2.3%	14,090	-3.0%	10,719	-1.4%	508	6.2%	21.1	-7.1%	43,989	-1.0%	108	1.7%	409	-2.7%	15,088	-2.4%	6	-4.2%	2,624	1.8%	2,991	-0.1%	117,017	-1.1%	9,959	-1.1%	126,976	-1.1%
	2008	43,360	-2.0%	3,134	-0.2%	13,836	-1.8%	15,087	40.8%	524	3.2%	28.8	36.4%	48,422	10.1%	110	1.8%	442	8.2%	10,863	-28.0%	3	-47.8%	3,621	38.0%	3,167	5.9%	120,899	3.3%	5,906	126,805	-0.1%	
	2009	45,874	5.8%	3,127	-0.2%	14,673	6.0%	11,564	-23.4%	524	0.0%	22.1	-23.3%	50,529	4.4%	107	-2.0%	471	6.5%	10,562	-2.8%	3	0.0%	3,521	-2.8%	3,314	4.6%	121,843	0.8%	5,503	127,346	0.4%	
	2010	48,100	4.9%	3,127	0.0%	15,381	4.8%	11,574	0.1%	529	0.9%	21.9	-0.8%	49,719	-1.6%	104	-2.8%	477	1.2%	9,877	-6.5%	3	0.0%	3,292	-6.5%	3,648	10.1%	122,918	0.9%	8,803	131,721	3.4%	
	2011	46,089	-4.2%	3,101	-0.8%	14,861	-3.4%	11,087	-4.2%	526	-0.5%	21.1	-3.7%	48,101	-3.3%	100	-3.8%	479	0.6%	8,159	-17.4%	3	0.0%	2,720	-17.4%	3,312	-9.2%	116,748	-5.0%	7,949	124,697	-5.3%	
	2012	41,326	-10.3%	3,097	-0.1%	13,342	-10.2%	10,306	-7.0%	526	-0.1%	19.6	-7.0%	46,582	-3.2%	99	-1.7%	473	-1.4%	6,262	-23.3%	3	0.0%	2,087	-23.3%	3,031	-8.5%	107,507	-7.9%	7,083	114,590	-8.1%	
	2013	40,364	-2.3%	3,155	1.9%	12,795	-4.1%	12,146	17.9%	535	1.8%	22.7	15.8%	42,018	-9.8%	105	6.6%	400	-15.4%	5,852	-6.5%	3	0.0%	1,951	-6.5%	2,883	-4.9%	103,263	-3.9%	10,055	113,318	-1.1%	
	2014	40,257	-0.3%	3,158	0.1%	12,748	-0.4%	10,224	-15.8%	525	-1.9%	19.5	-14.2%	41,497	-1.2%	106	1.0%	391	-2.2%	667	-88.6%	1	-66.7%	667	-65.8%	2,990	3.7%	95,635	-7.4%	14,730	110,365	-2.6%	
	2015	46,784	16.2%	3,186	0.9%	14,685	15.2%	10,696	4.6%	533	1.5%	20.1	3.0%	46,776	12.7%	97	-8.3%	481	23.0%	0	-100.0%	0	-100.0%	0	-100.0%	3,362	12.4%	107,618	12.5%	3,794	111,412	0.9%	
Projected	2016	48,690	4.1%	3,278	2.9%	14,856	1.2%	11,094	3.7%	543	1.8%	20.4	1.8%	50,018	6.9%	96	-1.4%	522	8.5%	0	0.0%	0	0.0%	0	0.0%	3,436	2.2%	113,239	5.2%	3,717	116,955	5.0%	
	2017	50,341	3.4%	3,365	2.7%	14,962	0.7%	11,158	0.6%	549	1.1%	20.3	-0.5%	50,209	0.4%	98	1.9%	514	-1.5%	483	0.0%	0	0.0%	2,672	0.0%	3,390	-1.3%	115,580	2.1%	3,767	119,347	2.0%	
	2018	51,972	3.2%	3,445	2.4%	15,086	0.8%	11,351	1.7%	556	1.3%	20.4	0.4%	49,879	-0.7%	99	1.3%	504	-1.9%	1,359	181.7%	1	184.6%	2,645	-1.0%	3,432	1.2%	117,992	2.1%	3,845	121,837	2.1%	
	2019	53,416	2.8%	3,518	2.1%	15,182	0.6%	11,560	1.8%	563	1.3%	20.5	0.5%	49,430	-0.9%	100	0.9%	495	-1.8%	2,250	65.5%	1	64.9%	2,655	0.4%	3,491	1.7%	120,147	1.8%	3,914	124,061	1.8%	
	2020	54,840	2.7%	3,589	2.0%	15,282	0.7%	11,778	1.9%	571	1.4%	20.6	0.5%	48,922	-1.0%	100	0.6%	487	-1.7%	3,153	40.1%	1	39.3%	2,670	0.6%	3,554	1.8%	122,247	1.7%	4,139	126,387	1.9%	
	2021	56,333	2.7%	3,661	2.0%	15,387	0.7%	11,999	1.9%	579	1.4%	20.7	0.5%	48,385	-1.1%	101	0.5%	479	-1.6%	4,067	29.0%	2	28.2%	2,687	0.6%	3,619	1.8%	124,404	1.8%	4,050	128,454	1.6%	
	2022	57,916	2.8%	3,736	2.0%	15,503	0.8%	12,220	1.8%	587	1.4%	20.8	0.5%	47,824	-1.2%	101	0.3%	472	-1.5%	4,994	22.8%	2	22.0%	2,704	0.6%	3,684	1.8%	126,637	1.8%	4,122	130,759	1.8%	
	2023	59,541	2.8%	3,810	2.0%	15,627	0.8%	12,446	1.9%	595	1.4%	20.9	0.5%	47,252	-1.2%	101	0.2%	466	-1.4%	5,933	18.8%	2	18.0%	2,721	0.6%	3,750	1.8%	128,922	1.8%	4,195	133,117	1.8%	
	2024	61,229	2.8%	3,887	2.0%	15,754	0.8%	12,674	1.8%	603	1.4%	21.0	0.5%	46,660	-1.3%	102	0.1%	459	-1.4%	6,884	16.0%	3	15.3%	2,738	0.6%	3,817	1.8%	131,265	1.8%	4,441	135,705	1.9%	
	2025	62,949	2.8%	3,963	2.0%	15,885	0.8%	12,906	1.8%	611	1.4%	21.1	0.5%	46,050	-1.3%	102	0.1%	453	-1.4%	7,846	14.0%	3	13.3%	2,756	0.6%	3,885	1.8%	133,636	1.8%	4,346	137,982	1.7%	
	2026	64,690	2.8%	4,038	1.9%	16,018	0.8%	13,141	1.8%	619	1.4%	21.2	0.5%	45,939	-0.2%	102	0.2%	451	-0.4%	8,303	5.8%	3	5.4%	2,768	0.4%	3,954	1.8%	136,027	1.8%	4,423	140,450	1.8%	
	2027	66,460	2.7%	4,113	1.9%	16,157	0.9%	13,378	1.8%	628	1.3%	21.3	0.5%	46,228	0.6%	102	0.3%	452	0.3%	8,355	0.6%	3	0.0%	2,785	0.6%	4,024	1.8%	138,445	1.8%	4,500	142,946	1.8%	
	2028	68,243	2.7%	4,187	1.8%	16,298	0.9%	13,616	1.8%	636	1.3%	21.4	0.5%	46,518	0.6%	102	0.3%	454	0.4%	8,407	0.6%	3	0.0%	2,802	0.6%	4,093	1.7%	140,878	1.8%	4,761	145,640	1.9%	
	2029	69,998	2.6%	4,258	1.7%	16,441	0.9%	13,853	1.7%	644	1.3%	21.5	0.4%	46,810	0.6%	103	0.3%	456	0.4%	8,460	0.6%	3	0.0%	2,820	0.6%	4,163	1.7%	143,283	1.7%	4,655	147,938	1.6%	
	2030	71,739	2.5%	4,325	1.6%	16,585	0.9%	14,090	1.7%	652	1.3%	21.6	0.4%	47,093	0.6%	103	0.2%	457	0.4%	8,511	0.6%	3	0.0%	2,837	0.6%	4,232	1.7%	145,664	1.7%	4,731	150,395	1.7%	
	2031	73,477	2.4%	4,392	1.5%	16,730	0.9%	14,322	1.7%	660	1.2%	21.7	0.4%	47,382	0.6%	103	0.2%	459	0.4%	8,563	0.6%	3	0.0%	2,854	0.6%	4,300	1.6%	148,044	1.6%	4,808	152,852	1.6%	
	2032	75,168	2.3%	4,455	1.4%	16,872	0.9%	14,549	1.6%	668	1.2%	21.8	0.4%	47,668	0.6%	103	0.2%	461	0.4%	8,615	0.6%	3	0.0%	2,872	0.6%	4,366	1.5%	150,365	1.6%	5,077	155,442	1.7%	
	2033	76,845	2.2%	4,517	1.4%	17,013	0.8%	14,776	1.6%	676	1.2%	21.9	0.4%	47,950	0.6%	104	0.2%	463	0.4%	8,666	0.6%	3	0.0%	2,889	0.6%	4,432	1.5%	152,669	1.5%	4,956	157,625	1.4%	
	2034	78,559	2.2%	4,580	1.4%	17,151	0.8%	15,005	1.5%	683	1.1%	22.0	0.4%	48,224	0.6%	104	0.2%	464	0.4%	8,715	0.6%	3	0.0%	2,905	0.6%	4,499	1.5%	155,002	1.5%	5,030	160,032	1.5%	
	2035	80,295	2.2%	4,645	1.4%	17,288	0.8%	15,237	1.6%	691	1.1%	22.0	0.4%	48,489	0.6%	104	0.2%	466	0.4%	8,763	0.6%	3	0.0%	2,921	0.6%	4,567	1.5%	157,352	1.5%	5,106	162,458	1.5%	
CAGR	2006-2015		0.5%		0.4%		0.1%		-0.2%		1.2%		-1.4%		0.6%		-0.9%		1.5%		-100.0%		-100.0%		-100.0%		1.3%		-1.0%			-1.6%	
	2016-2025		2.9%		2.1%		0.7%		1.7%		1.3%		0.4%		-0.9%		0.7%		-1.6%		0.0%		0.0%		0.0%		1.4%		1.9%		1.9%		
	2026-2035		2.4%		1.6%		0.9%		1.7%		1.2%		0.4%		0.6%		0.2%		0.4%		37.2%		36.7%		0.4%		1.6%		1.6%		1.6%		

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
Green Cove Sprgs (Clay County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	123.4	-	42.4	-	39.9	-	1.67	-	2,601	-	3,569	-	84,215	-
1996	127.8	3.6%	44.3	4.5%	42.2	5.9%	1.58	-5.5%	2,781	6.9%	3,807	6.7%	85,951	2.1%
1997	132.2	3.5%	46.1	4.0%	45.1	6.8%	1.75	11.1%	2,890	3.9%	3,983	4.6%	86,455	0.6%
1998	135.7	2.7%	47.6	3.2%	47.8	6.0%	1.83	4.2%	3,251	12.5%	4,279	7.4%	89,973	4.1%
1999	139.0	2.4%	49.1	3.3%	52.1	8.9%	1.80	-1.7%	3,505	7.8%	4,385	2.5%	89,274	-0.8%
2000	142.0	2.2%	50.7	3.3%	54.8	5.3%	1.71	-4.8%	3,684	5.1%	4,662	6.3%	91,903	2.9%
2001	146.1	2.8%	52.6	3.6%	48.4	-11.8%	1.46	-14.6%	3,720	1.0%	4,885	4.8%	92,912	1.1%
2002	151.3	3.6%	54.8	4.3%	50.9	5.1%	1.48	1.7%	4,056	9.0%	5,022	2.8%	91,586	-1.4%
2003	156.2	3.2%	57.1	4.1%	53.7	5.6%	1.36	-8.7%	3,945	-2.7%	5,320	5.9%	93,182	1.7%
2004	163.6	4.8%	60.0	5.1%	56.4	4.9%	1.40	3.1%	4,213	6.8%	5,594	5.1%	93,201	0.0%
2005	170.0	3.9%	62.5	4.1%	59.8	6.0%	1.77	26.9%	4,590	9.0%	5,969	6.7%	95,568	2.5%
2006	178.7	5.1%	65.5	4.9%	64.7	8.3%	1.94	9.3%	5,032	9.6%	6,371	6.7%	97,270	1.8%
2007	184.5	3.2%	67.4	2.8%	65.4	1.0%	1.81	-6.6%	5,058	0.5%	6,566	3.1%	97,492	0.2%
2008	187.5	1.6%	68.0	0.9%	65.5	0.2%	1.85	2.5%	4,973	-1.7%	6,529	-0.6%	96,023	-1.5%
2009	189.4	1.0%	68.2	0.3%	63.7	-2.7%	1.28	-30.9%	4,651	-6.5%	6,355	-2.7%	93,234	-2.9%
2010	191.7	1.2%	69.1	1.3%	63.1	-1.0%	1.06	-17.6%	4,671	0.4%	6,458	1.6%	93,516	0.3%
2011	192.6	0.5%	69.4	0.5%	62.5	-1.0%	1.13	7.4%	4,482	-4.0%	6,575	1.8%	94,734	1.3%
2012	194.6	1.0%	69.7	0.4%	62.8	0.5%	1.15	1.9%	4,562	1.8%	6,703	1.9%	96,149	1.5%
2013	197.0	1.2%	70.6	1.2%	66.1	5.3%	1.21	4.8%	4,797	5.2%	6,668	-0.5%	94,487	-1.7%
2014	200.2	1.6%	71.9	1.9%	67.6	2.3%	1.23	1.3%	4,954	3.3%	6,953	4.3%	96,666	2.3%
2015	204.0	1.9%	73.7	2.4%	69.2	2.3%	1.23	0.5%	5,095	2.8%	7,212	3.7%	97,991	1.4%
2016	207.9	1.9%	75.5	2.5%	70.8	2.3%	1.24	0.4%	5,265	3.3%	7,468	3.6%	99,175	1.2%
2017	212.1	2.0%	77.4	2.5%	72.4	2.2%	1.25	0.6%	5,470	3.9%	7,735	3.6%	100,442	1.3%
2018	216.4	2.0%	79.3	2.5%	73.9	2.1%	1.25	0.6%	5,689	4.0%	8,012	3.6%	101,777	1.3%
2019	221.0	2.1%	81.3	2.5%	75.4	2.1%	1.26	0.6%	5,915	4.0%	8,303	3.6%	103,188	1.4%
2020	225.7	2.1%	83.4	2.6%	77.0	2.1%	1.27	0.6%	6,147	3.9%	8,611	3.7%	104,696	1.5%
2021	230.6	2.2%	85.6	2.6%	78.6	2.1%	1.27	0.6%	6,386	3.9%	8,915	3.5%	106,065	1.3%
2022	235.8	2.2%	87.8	2.6%	80.3	2.1%	1.28	0.6%	6,663	4.3%	9,236	3.6%	107,608	1.5%
2023	241.1	2.3%	90.1	2.6%	82.0	2.1%	1.29	0.5%	6,964	4.5%	9,566	3.6%	109,212	1.5%
2024	246.5	2.2%	92.4	2.5%	83.7	2.1%	1.29	0.4%	7,263	4.3%	9,904	3.5%	110,834	1.5%
2025	252.0	2.2%	94.7	2.5%	85.4	2.0%	1.30	0.3%	7,569	4.2%	10,255	3.5%	112,537	1.5%
2026	257.5	2.2%	97.0	2.5%	87.1	2.0%	1.30	0.3%	7,902	4.4%	10,616	3.5%	114,276	1.5%
2027	263.0	2.1%	99.3	2.4%	88.8	2.0%	1.30	0.2%	8,245	4.3%	10,985	3.5%	116,013	1.5%
2028	268.4	2.1%	101.5	2.2%	90.6	2.0%	1.31	0.1%	8,580	4.1%	11,357	3.4%	117,762	1.5%
2029	273.8	2.0%	103.6	2.1%	92.3	1.9%	1.31	0.1%	8,922	4.0%	11,735	3.3%	119,524	1.5%
2030	279.1	1.9%	105.7	2.0%	94.1	1.9%	1.31	0.0%	9,263	3.8%	12,119	3.3%	121,308	1.5%
2031	284.2	1.8%	107.7	1.9%	95.9	1.9%	1.31	0.0%	9,613	3.8%	12,490	3.1%	122,935	1.3%
2032	289.3	1.8%	109.6	1.8%	97.7	1.9%	1.31	0.0%	9,976	3.8%	12,870	3.0%	124,601	1.4%
2033	294.4	1.8%	111.6	1.8%	99.5	1.8%	1.31	-0.1%	10,342	3.7%	13,256	3.0%	126,275	1.3%
2034	299.6	1.8%	113.6	1.8%	101.2	1.8%	1.30	-0.1%	10,716	3.6%	13,652	3.0%	127,962	1.3%
2035	304.8	1.7%	115.7	1.8%	103.0	1.8%	1.30	-0.1%	11,104	3.6%	14,066	3.0%	129,723	1.4%
Average Percent Change														
2005-2015		1.8%		1.7%		1.5%		-3.6%		1.0%		1.9%		0.3%
2016-2025		2.2%		2.5%		2.1%		0.5%		4.1%		3.6%		1.4%
2026-2035		1.9%		2.0%		1.9%		0.0%		3.9%		3.2%		1.4%





Havana

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# FMPA 2016 Load Forecast - Base Case

## Havana

### Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	25,789	-	25,659	-	-0.5%	5.1	-	4.7	-	-7.1%	5.8	-	6.7		14.4%
	2007	26,691	3.5%	26,600	3.7%	-0.3%	5.0	-1.5%	5.0	7.2%	1.1%	6.2	6.1%	6.1	-9.1%	-2.0%
	2008	25,975	-2.7%	26,034	-2.1%	0.2%	5.9	18.6%	5.5	8.3%	-7.6%	5.2	-16.6%	5.3	-12.8%	2.4%
	2009	25,150	-3.2%	24,893	-4.4%	-1.0%	6.1	2.8%	5.4	-1.6%	-11.6%	5.9	14.4%	6.0	14.2%	2.3%
	2010	27,320	8.6%	25,217	1.3%	-7.7%	6.6	9.4%	5.5	3.2%	-16.6%	5.1	-13.2%	4.6	-24.5%	-11.0%
	2011	26,524	-2.9%	24,928	-1.1%	-6.0%	6.2	-6.2%	6.2	11.8%	-0.6%	6.0	16.2%	5.1	12.0%	-14.3%
	2012	23,930	-9.8%	24,335	-2.4%	1.7%	5.5	-11.1%	4.9	-20.7%	-11.3%	4.9	-18.6%	4.7	-7.6%	-2.8%
	2013	24,585	2.7%	24,876	2.2%	1.2%	5.1	-8.7%	5.3	8.6%	5.4%	4.7	-3.8%	4.9	4.8%	5.9%
	2014	25,176	2.4%	24,854	-0.1%	-1.3%	5.4	6.6%	5.6	5.6%	4.4%	4.8	3.1%	5.3	7.8%	10.7%
	2015	25,771	2.4%	24,685	-0.7%	-4.2%	6.0	11.5%	6.3	12.4%	5.3%	4.6	-3.7%	6.9	28.9%	48.1%
Projected	2016	25,118	-2.5%	25,118	1.8%		5.8	-3.8%	5.8	-8.7%		4.9	6.7%	4.9	-27.9%	
	2017			25,551	1.7%				5.9	1.8%				5.0	1.8%	
	2018			25,880	1.3%				6.0	1.1%				5.1	1.1%	
	2019			26,033	0.6%				6.0	0.6%				5.1	0.6%	
	2020			26,194	0.6%				6.0	0.6%				5.2	0.6%	
	2021			26,345	0.6%				6.1	0.6%				5.2	0.6%	
	2022			26,494	0.6%				6.1	0.6%				5.2	0.6%	
	2023			26,646	0.6%				6.1	0.6%				5.2	0.6%	
	2024			26,784	0.5%				6.2	0.5%				5.3	0.5%	
	2025			26,916	0.5%				6.2	0.5%				5.3	0.5%	
	2026			27,045	0.5%				6.2	0.5%				5.3	0.5%	
	2027			27,179	0.5%				6.2	0.5%				5.3	0.5%	
	2028			27,320	0.5%				6.3	0.5%				5.4	0.5%	
	2029			27,463	0.5%				6.3	0.5%				5.4	0.5%	
	2030			27,608	0.5%				6.3	0.5%				5.4	0.5%	
	2031			27,751	0.5%				6.4	0.5%				5.5	0.5%	
	2032			27,883	0.5%				6.4	0.5%				5.5	0.5%	
	2033			28,010	0.5%				6.4	0.5%				5.5	0.5%	
	2034			28,139	0.5%				6.5	0.5%				5.5	0.5%	
	2035			28,263	0.4%				6.5	0.4%				5.6	0.4%	
CAGR <sup>[3]</sup>	2006-2015		0.0%		-0.4%			1.9%		3.4%			-2.5%		0.3%	
	2016-2025				0.8%					0.8%					0.8%	
	2026-2035				0.5%					0.5%					0.5%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Havana**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	25,789	-	25,789	-	5.3	5.9	5.3	5.9	5.1	5.8	5.1	5.8
	2007	26,691	3.5%	26,691	3.5%	5.6	6.7	5.6	6.7	5.0	6.2	5.0	6.2
	2008	25,975	-2.7%	25,975	-2.7%	5.9	6.1	5.9	6.1	5.9	5.2	5.9	5.2
	2009	25,150	-3.2%	25,150	-3.2%	6.1	5.9	6.1	5.9	6.1	5.9	6.1	5.9
	2010	27,320	8.6%	27,320	8.6%	6.8	6.2	6.8	6.2	6.6	5.1	6.6	5.1
	2011	26,524	-2.9%	26,524	-2.9%	6.4	6.2	6.4	6.2	6.2	6.0	6.2	6.0
	2012	23,930	-9.8%	23,930	-9.8%	5.8	5.7	5.8	5.7	5.5	4.9	5.5	4.9
	2013	24,585	2.7%	24,585	2.7%	5.3	5.6	5.3	5.6	5.1	4.7	5.1	4.7
	2014	25,176	2.4%	25,176	2.4%	6.4	5.8	6.4	5.8	5.4	4.8	5.4	4.8
	2015	25,771	2.4%	25,013	-0.6%	6.2	5.8	6.0	5.9	6.0	4.6	5.3	5.1
Projected	2016	25,118	-2.5%	25,014	0.0%	6.0	5.9	6.0	5.9	5.8	4.9	5.4	5.1
	2017	25,551	1.7%	25,182	0.7%	6.1	6.0	6.0	6.0	5.9	5.0	5.4	5.1
	2018	25,880	1.3%	25,400	0.9%	6.2	6.0	6.1	6.0	6.0	5.1	5.4	5.2
	2019	26,033	0.6%	25,587	0.7%	6.2	6.1	6.1	6.1	6.0	5.1	5.5	5.2
	2020	26,194	0.6%	25,772	0.7%	6.3	6.1	6.2	6.1	6.0	5.2	5.5	5.2
	2021	26,345	0.6%	25,949	0.7%	6.3	6.2	6.2	6.1	6.1	5.2	5.6	5.3
	2022	26,494	0.6%	26,123	0.7%	6.3	6.2	6.2	6.2	6.1	5.2	5.6	5.3
	2023	26,646	0.6%	26,296	0.7%	6.4	6.2	6.3	6.2	6.1	5.2	5.6	5.3
	2024	26,784	0.5%	26,477	0.7%	6.4	6.3	6.3	6.3	6.2	5.3	5.7	5.4
	2025	26,916	0.5%	26,661	0.7%	6.4	6.3	6.4	6.3	6.2	5.3	5.7	5.4
	2026	27,045	0.5%	26,837	0.7%	6.5	6.3	6.4	6.3	6.2	5.3	5.7	5.5
	2027	27,179	0.5%	27,009	0.6%	6.5	6.3	6.5	6.4	6.2	5.3	5.8	5.5
	2028	27,320	0.5%	27,179	0.6%	6.5	6.4	6.5	6.4	6.3	5.4	5.8	5.5
	2029	27,463	0.5%	27,347	0.6%	6.6	6.4	6.5	6.5	6.3	5.4	5.9	5.6
	2030	27,608	0.5%	27,503	0.6%	6.6	6.4	6.6	6.5	6.3	5.4	5.9	5.6
	2031	27,751	0.5%	27,659	0.6%	6.6	6.5	6.6	6.5	6.4	5.5	5.9	5.6
	2032	27,883	0.5%	27,814	0.6%	6.7	6.5	6.6	6.6	6.4	5.5	6.0	5.6
	2033	28,010	0.5%	27,968	0.6%	6.7	6.5	6.7	6.6	6.4	5.5	6.0	5.7
	2034	28,139	0.5%	28,115	0.5%	6.7	6.6	6.7	6.6	6.5	5.5	6.0	5.7
	2035	28,263	0.4%			6.8	6.6			6.5	5.6		
CAGR <sup>[1]</sup>	Historical		0.0%		-0.3%	1.8%	-0.2%	2.4%	-0.2%	2.4%	-3.5%	1.1%	-3.5%
	1st 10 Prj Yrs		0.8%		0.7%	0.8%	0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.7%
	2nd 10 Prj Yrs		0.5%		0.6%	0.5%	0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%

[1] CAGR - Compound Annual Growth Rate

# FMPA 2016 Load Forecast - Base Case

## Havana

### Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	1,903	1,830	1,700	1,759	2,147	2,520	2,817	2,931	2,268	1,909	1,867	2,006	25,656	25,789
	2007	2,112	2,013	1,781	1,798	2,213	2,572	2,816	3,104	2,500	2,047	1,849	2,048	26,852	26,691
	2008	2,397	1,909	1,800	1,672	2,145	2,608	2,689	2,509	2,303	1,820	1,881	2,048	25,780	25,975
	2009	2,221	1,972	1,731	1,630	1,990	2,655	2,533	2,454	2,217	1,935	1,708	2,301	25,345	25,150
	2010	2,705	2,349	1,913	1,581	2,120	2,608	2,765	2,832	2,504	1,799	1,759	2,753	27,688	27,320
	2011	2,626	1,850	1,661	1,724	2,125	2,655	2,591	2,834	2,145	1,679	1,698	1,958	25,549	26,524
	2012	2,027	1,761	1,690	1,671	2,128	2,207	2,563	2,399	2,150	1,795	1,808	2,055	24,252	23,930
	2013	1,931	1,843	2,040	1,652	1,968	2,452	2,302	2,498	2,243	1,813	1,782	2,016	24,538	24,585
	2014	2,663	1,797	1,788	1,598	1,973	2,377	2,503	2,670	2,196	1,766	2,002	2,056	25,388	25,176
	2015	2,306	2,194	1,728	1,693	2,145	2,419	2,752	2,612	2,102	1,703	1,889	2,143	25,684	25,771
Projected	2016	2,281	1,931	1,730	1,666	2,114	2,418	2,542	2,625	2,076	1,698	1,922	2,186	25,188	25,118
	2017	2,328	1,968	1,764	1,697	2,152	2,463	2,588	2,673	2,113	1,726	1,953	2,223	25,647	25,551
	2018	2,369	2,002	1,791	1,719	2,177	2,489	2,612	2,693	2,126	1,737	1,967	2,237	25,920	25,880
	2019	2,384	2,012	1,800	1,730	2,190	2,502	2,625	2,707	2,139	1,749	1,980	2,251	26,070	26,033
	2020	2,399	2,025	1,812	1,741	2,204	2,518	2,641	2,724	2,152	1,759	1,992	2,264	26,230	26,194
	2021	2,412	2,036	1,822	1,751	2,217	2,532	2,656	2,739	2,164	1,769	2,003	2,277	26,379	26,345
	2022	2,425	2,047	1,832	1,761	2,230	2,547	2,672	2,755	2,177	1,780	2,015	2,290	26,530	26,494
	2023	2,439	2,058	1,842	1,771	2,243	2,561	2,686	2,770	2,189	1,790	2,026	2,302	26,679	26,646
	2024	2,451	2,069	1,852	1,780	2,255	2,575	2,700	2,784	2,200	1,799	2,036	2,313	26,815	26,784
Projected	2025	2,463	2,079	1,861	1,789	2,267	2,587	2,713	2,798	2,210	1,808	2,046	2,324	26,946	26,916
	2026	2,474	2,088	1,870	1,798	2,278	2,600	2,726	2,811	2,221	1,817	2,056	2,335	27,075	27,045
	2027	2,485	2,098	1,879	1,807	2,290	2,613	2,740	2,825	2,232	1,827	2,067	2,347	27,211	27,179
	2028	2,498	2,108	1,888	1,817	2,302	2,627	2,754	2,840	2,244	1,836	2,078	2,359	27,353	27,320
	2029	2,510	2,119	1,898	1,826	2,315	2,641	2,769	2,855	2,256	1,846	2,090	2,372	27,496	27,463
	2030	2,523	2,130	1,908	1,836	2,327	2,655	2,784	2,870	2,268	1,856	2,101	2,384	27,642	27,608
	2031	2,536	2,141	1,918	1,846	2,339	2,668	2,798	2,885	2,279	1,866	2,111	2,396	27,782	27,751
	2032	2,548	2,151	1,927	1,855	2,351	2,681	2,811	2,898	2,289	1,874	2,121	2,406	27,912	27,883
	2033	2,559	2,160	1,936	1,863	2,362	2,693	2,824	2,911	2,300	1,883	2,131	2,417	28,040	28,010
Projected	2034	2,570	2,170	1,945	1,872	2,373	2,706	2,837	2,925	2,311	1,892	2,141	2,428	28,169	28,139
	2035	2,582	2,179	1,953	1,880	2,384	2,718	2,849	2,937	2,320	1,900	2,150	2,438	28,290	28,263

### Monthly NEL Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.4%	7.1%	6.6%	6.9%	8.4%	9.8%	11.0%	11.4%	8.8%	7.4%	7.3%	7.8%	100.0%
	2007	7.9%	7.5%	6.6%	6.7%	8.2%	9.6%	10.5%	11.6%	9.3%	7.6%	6.9%	7.6%	100.0%
	2008	9.3%	7.4%	7.0%	6.5%	8.3%	10.1%	10.4%	9.7%	8.9%	7.1%	7.3%	7.9%	100.0%
	2009	8.8%	7.8%	6.8%	6.4%	7.8%	10.5%	10.0%	9.7%	8.7%	7.6%	6.7%	9.1%	100.0%
	2010	9.8%	8.5%	6.9%	5.7%	7.7%	9.4%	10.0%	10.2%	9.0%	6.5%	6.4%	9.9%	100.0%
	2011	10.3%	7.2%	6.5%	6.7%	8.3%	10.4%	10.1%	11.1%	8.4%	6.6%	6.6%	7.7%	100.0%
	2012	8.4%	7.3%	7.0%	6.9%	8.8%	9.1%	10.6%	9.9%	8.9%	7.4%	7.5%	8.5%	100.0%
	2013	7.9%	7.5%	8.3%	6.7%	8.0%	10.0%	9.4%	10.2%	9.1%	7.4%	7.3%	8.2%	100.0%
	2014	10.5%	7.1%	7.0%	6.3%	7.8%	9.4%	9.9%	10.5%	8.7%	7.0%	7.9%	8.1%	100.0%
Projected	2015	9.0%	8.5%	6.7%	6.6%	8.4%	9.4%	10.7%	10.2%	8.2%	6.6%	7.4%	8.3%	100.0%
	2016	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.7%	100.0%
	2017	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.7%	100.0%
	2018	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2019	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2020	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2021	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2022	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2023	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
Projected	2024	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2025	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
	2026	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%
Avg.	2006-2015	8.9%	7.6%	7.0%	6.5%	8.2%	9.8%	10.3%	10.4%	8.8%	7.1%	7.1%	8.3%	100.0%
	2016-2025	9.1%	7.7%	6.9%	6.6%	8.4%	9.6%	10.1%	10.4%	8.2%	6.7%	7.6%	8.6%	100.0%

1 2 3 4 5 6 7 8 9 10 11 12

FMPA 2016 Load Forecast - Base Case  
Havana  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	4.8	5.2	3.9	4.6	5.1	5.8	5.9	5.9	5.2	4.4	4.4	5.4	5.3	5.9
	2007	5.0	5.6	4.2	4.0	4.6	5.7	6.3	6.7	5.5	4.8	4.3	4.9	5.6	6.7
	2008	5.9	5.7	4.6	3.7	5.2	5.8	5.8	6.1	5.4	4.0	4.9	5.1	5.9	6.1
	2009	6.0	6.1	5.1	4.1	4.6	5.9	5.7	5.6	5.1	5.0	3.9	5.2	6.1	5.9
	2010	6.8	6.0	4.9	3.3	4.9	5.9	6.2	5.9	5.8	4.1	4.2	6.2	6.8	6.2
	2011	6.4	5.3	3.9	4.2	5.2	6.2	5.7	6.0	5.2	3.5	4.2	4.7	6.4	6.2
	2012	5.6	5.8	3.6	4.5	5.1	5.6	5.7	5.4	5.1	4.2	4.3	5.1	5.8	5.7
	2013	4.8	5.3	5.1	3.5	4.7	5.6	5.2	5.3	5.3	4.4	5.0	4.8	5.3	5.6
	2014	6.4	5.0	4.3	3.6	4.7	5.5	5.6	5.8	5.4	4.4	5.8	5.1	6.4	5.8
	2015	6.2	6.0	4.2	3.8	5.0	5.8	5.7	5.6	5.0	4.2	4.1	5.1	6.2	5.8
Projected	2016	6.0	5.6	4.7	3.7	4.9	5.9	5.5	5.7	5.2	4.2	4.2	5.2	6.0	5.9
	2017	6.1	5.7	4.8	3.7	5.0	6.0	5.6	5.8	5.3	4.3	4.3	5.2	6.1	6.0
	2018	6.2	5.8	4.8	3.8	5.0	6.0	5.7	5.8	5.4	4.4	4.3	5.2	6.2	6.0
	2019	6.2	5.8	4.8	3.8	5.0	6.1	5.7	5.9	5.4	4.4	4.3	5.3	6.2	6.1
	2020	6.3	5.8	4.9	3.8	5.1	6.1	5.7	5.9	5.4	4.4	4.3	5.3	6.3	6.1
	2021	6.3	5.9	4.9	3.8	5.1	6.2	5.8	5.9	5.4	4.4	4.4	5.3	6.3	6.2
	2022	6.3	5.9	4.9	3.9	5.1	6.2	5.8	6.0	5.5	4.5	4.4	5.4	6.3	6.2
	2023	6.4	5.9	4.9	3.9	5.2	6.2	5.8	6.0	5.5	4.5	4.4	5.4	6.4	6.2
	2024	6.4	6.0	5.0	3.9	5.2	6.3	5.9	6.0	5.5	4.5	4.4	5.4	6.4	6.3
	2025	6.4	6.0	5.0	3.9	5.2	6.3	5.9	6.1	5.6	4.5	4.5	5.4	6.4	6.3
Projected	2026	6.5	6.0	5.0	3.9	5.2	6.3	5.9	6.1	5.6	4.6	4.5	5.5	6.5	6.3
	2027	6.5	6.1	5.0	4.0	5.3	6.3	5.9	6.1	5.6	4.6	4.5	5.5	6.5	6.3
	2028	6.5	6.1	5.1	4.0	5.3	6.4	6.0	6.1	5.6	4.6	4.5	5.5	6.5	6.4
	2029	6.6	6.1	5.1	4.0	5.3	6.4	6.0	6.2	5.7	4.6	4.5	5.6	6.6	6.4
	2030	6.6	6.2	5.1	4.0	5.3	6.4	6.0	6.2	5.7	4.7	4.6	5.6	6.6	6.4
	2031	6.6	6.2	5.2	4.0	5.4	6.5	6.1	6.2	5.7	4.7	4.6	5.6	6.6	6.5
	2032	6.7	6.2	5.2	4.1	5.4	6.5	6.1	6.3	5.8	4.7	4.6	5.6	6.7	6.5
	2033	6.7	6.3	5.2	4.1	5.4	6.5	6.1	6.3	5.8	4.7	4.6	5.7	6.7	6.5
	2034	6.7	6.3	5.2	4.1	5.4	6.6	6.2	6.3	5.8	4.7	4.7	5.7	6.7	6.6
	2035	6.8	6.3	5.2	4.1	5.5	6.6	6.2	6.4	5.8	4.8	4.7	5.7	6.8	6.6

Monthly Load Factors

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										58.6%	58.0%	59.6%		
	2006	53.3%	52.8%	58.7%	51.8%	62.1%	58.3%	66.1%	66.8%	60.4%	57.9%	57.3%	51.6%	55.4%	49.4%
	2007	56.4%	53.2%	56.7%	61.0%	71.6%	60.3%	61.8%	62.6%	63.0%	57.6%	58.1%	58.3%	54.4%	46.0%
	2008	54.5%	48.5%	52.7%	61.2%	61.0%	60.0%	64.3%	55.2%	59.3%	61.1%	51.1%	55.7%	49.8%	48.1%
	2009	49.7%	47.8%	45.7%	54.1%	64.4%	60.1%	61.3%	58.9%	60.9%	51.7%	59.3%	61.2%	47.1%	48.7%
	2010	53.4%	58.8%	52.1%	64.4%	64.1%	59.1%	62.0%	64.3%	59.6%	59.4%	56.6%	61.4%	46.4%	51.0%
	2011	54.8%	52.0%	56.9%	55.4%	61.1%	57.9%	62.7%	63.9%	56.8%	65.0%	53.7%	57.5%	45.3%	47.4%
	2012	48.6%	43.9%	63.0%	50.2%	62.0%	53.1%	62.5%	59.4%	58.3%	57.4%	56.3%	56.4%	48.0%	48.6%
	2013	54.0%	52.2%	54.2%	63.4%	62.8%	58.8%	62.0%	63.2%	59.0%	56.0%	48.0%	57.8%	53.4%	50.0%
	2014	55.8%	53.3%	55.8%	60.3%	62.3%	58.3%	61.9%	61.5%	56.5%	54.3%	46.7%	56.1%	45.2%	49.7%
	2015	49.8%	54.3%	54.7%	60.2%	64.3%	56.0%	67.1%	63.2%	58.1%	54.7%	61.3%	58.7%	47.1%	50.5%
Projected	2016	50.9%	49.4%	49.8%	61.2%	64.7%	55.3%	64.1%	62.3%	55.4%	53.9%	61.2%	58.8%	47.8%	48.9%
	2017	51.1%	51.2%	49.9%	61.2%	64.7%	55.3%	64.1%	62.3%	55.4%	53.8%	61.5%	59.2%	47.8%	48.9%
	2018	51.4%	51.5%	50.1%	61.4%	64.7%	55.3%	64.0%	62.1%	55.2%	53.5%	61.6%	59.2%	47.8%	48.9%
	2019	51.4%	51.5%	50.1%	61.4%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.6%	59.3%	47.8%	48.9%
	2020	51.4%	49.7%	50.1%	61.4%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.3%	47.8%	48.9%
	2021	51.4%	51.5%	50.1%	61.4%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.2%	47.8%	48.9%
	2022	51.4%	51.5%	50.1%	61.4%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.3%	47.8%	48.9%
	2023	51.4%	51.5%	50.1%	61.5%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.3%	47.8%	48.9%
	2024	51.4%	49.7%	50.1%	61.5%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.3%	47.8%	48.9%
	2025	51.4%	51.5%	50.1%	61.5%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.7%	59.3%	47.8%	48.9%
Avg.	2006-2015	53.0%	51.7%	55.1%	58.2%	63.6%	58.2%	63.2%	61.9%	59.2%	57.5%	54.8%	57.5%	49.2%	49.0%
	2016-2025	51.3%	50.9%	50.0%	61.4%	64.8%	55.3%	64.0%	62.1%	55.2%	53.6%	61.6%	59.2%	47.8%	48.9%

FMPA 2016 Load Forecast - Base Case  
Havana  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	4.4	5.1	3.1	4.6	4.8	5.8	5.5	5.8	3.9	3.6	3.0	2.6	5.1	5.8
	2007	4.9	5.0	3.6	4.0	4.2	5.3	6.0	6.2	4.5	4.6	2.9	3.1	5.0	6.2
	2008	5.9	5.1	2.4	3.0	4.8	5.7	5.7	5.2	5.2	3.7	2.6	4.9	5.9	5.2
	2009	5.9	6.1	4.7	3.4	4.5	5.9	4.7	5.4	4.9	4.8	2.2	5.0	6.1	5.9
	2010	6.6	5.8	4.9	3.0	4.6	5.1	5.6	4.7	5.6	4.1	2.8	6.2	6.6	5.1
	2011	6.4	4.6	2.7	4.2	5.1	5.9	5.2	6.0	4.0	2.9	2.8	2.8	6.2	6.0
	2012	5.5	5.4	3.0	3.3	4.9	5.3	4.9	3.8	3.3	3.1	2.8	5.1	5.5	4.9
	2013	4.8	5.0	5.1	2.8	4.3	5.3	5.0	4.7	5.2	4.2	2.6	2.9	5.1	4.7
	2014	5.4	5.0	4.0	3.6	4.6	4.8	5.5	4.8	4.8	3.1	5.5	4.7	5.4	4.8
	2015	6.1	6.0	2.8	3.5	4.9	4.6	5.2	5.3	4.1	3.5	2.9	4.1	6.0	4.6
Projected	2016	5.8	5.3	3.8	3.4	4.7	5.3	5.1	4.9	4.3	3.6	2.9	4.2	5.8	4.9
	2017	5.9	5.4	3.9	3.5	4.8	5.4	5.2	5.0	4.3	3.7	3.0	4.3	5.9	5.0
	2018	6.0	5.5	4.0	3.5	4.8	5.5	5.2	5.1	4.4	3.7	3.0	4.3	6.0	5.1
	2019	6.0	5.5	4.0	3.5	4.9	5.5	5.3	5.1	4.4	3.7	3.0	4.3	6.0	5.1
	2020	6.0	5.6	4.0	3.5	4.9	5.5	5.3	5.2	4.4	3.7	3.0	4.3	6.0	5.2
	2021	6.1	5.6	4.0	3.6	4.9	5.6	5.3	5.2	4.5	3.8	3.0	4.4	6.1	5.2
	2022	6.1	5.6	4.0	3.6	4.9	5.6	5.4	5.2	4.5	3.8	3.0	4.4	6.1	5.2
	2023	6.1	5.7	4.1	3.6	5.0	5.6	5.4	5.2	4.5	3.8	3.1	4.4	6.1	5.2
	2024	6.2	5.7	4.1	3.6	5.0	5.7	5.4	5.3	4.5	3.8	3.1	4.4	6.2	5.3
	2025	6.2	5.7	4.1	3.6	5.0	5.7	5.4	5.3	4.6	3.8	3.1	4.4	6.2	5.3
Projected	2026	6.2	5.7	4.1	3.7	5.0	5.7	5.5	5.3	4.6	3.9	3.1	4.5	6.2	5.3
	2027	6.2	5.8	4.1	3.7	5.1	5.8	5.5	5.3	4.6	3.9	3.1	4.5	6.2	5.3
	2028	6.3	5.8	4.2	3.7	5.1	5.8	5.5	5.4	4.6	3.9	3.1	4.5	6.3	5.4
	2029	6.3	5.8	4.2	3.7	5.1	5.8	5.6	5.4	4.7	3.9	3.2	4.5	6.3	5.4
	2030	6.3	5.9	4.2	3.7	5.2	5.8	5.6	5.4	4.7	3.9	3.2	4.6	6.3	5.4
	2031	6.4	5.9	4.2	3.8	5.2	5.9	5.6	5.5	4.7	4.0	3.2	4.6	6.4	5.5
	2032	6.4	5.9	4.3	3.8	5.2	5.9	5.6	5.5	4.7	4.0	3.2	4.6	6.4	5.5
	2033	6.4	5.9	4.3	3.8	5.2	5.9	5.7	5.5	4.8	4.0	3.2	4.6	6.4	5.5
	2034	6.5	6.0	4.3	3.8	5.2	6.0	5.7	5.5	4.8	4.0	3.2	4.6	6.5	5.5
	2035	6.5	6.0	4.3	3.8	5.3	6.0	5.7	5.6	4.8	4.0	3.2	4.7	6.5	5.6

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										81.3%	59.6%	95.9%		
	2006	91.6%	98.1%	79.2%	100.0%	92.4%	100.0%	93.0%	98.8%	74.4%	82.2%	67.8%	47.8%	95.8%	98.5%
	2007	97.8%	88.5%	84.3%	100.0%	91.0%	92.1%	94.0%	92.9%	81.0%	96.9%	68.7%	64.4%	88.5%	92.9%
	2008	100.0%	89.7%	52.9%	80.8%	92.3%	96.8%	97.4%	84.5%	95.5%	93.2%	51.8%	95.1%	100.0%	84.5%
	2009	98.9%	99.0%	92.8%	83.3%	97.2%	99.5%	82.0%	96.4%	97.5%	96.4%	57.1%	95.2%	99.0%	99.5%
	2010	97.6%	97.6%	99.8%	90.2%	94.2%	86.5%	90.1%	78.7%	96.5%	100.0%	66.8%	100.0%	97.6%	82.7%
	2011	100.0%	86.9%	67.7%	100.0%	98.4%	95.3%	90.3%	100.0%	77.0%	82.5%	66.7%	59.4%	96.8%	96.8%
	2012	98.8%	93.6%	84.1%	73.5%	96.2%	95.2%	85.2%	69.6%	65.1%	72.7%	65.9%	100.0%	96.2%	85.2%
	2013	100.0%	95.7%	100.0%	81.0%	92.0%	94.4%	96.5%	87.9%	98.1%	96.7%	52.2%	59.0%	96.4%	83.4%
	2014	84.2%	99.4%	93.2%	100.0%	97.0%	88.4%	97.8%	82.5%	88.3%	71.1%	95.7%	91.8%	84.2%	82.5%
	2015	97.4%	100.0%	66.1%	93.9%	99.0%	79.9%	91.9%	94.6%	82.1%	84.6%	69.5%	81.6%	96.6%	79.9%
Projected	2016	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2017	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2018	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2019	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2020	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2021	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2022	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2023	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2024	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2025	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%
	2006-2015	96.6%	94.8%	82.0%	90.3%	95.0%	92.8%	91.8%	88.6%	85.5%	87.6%	66.2%	79.4%	95.1%	88.6%
	2016-2025	96.1%	95.1%	82.2%	93.2%	96.5%	90.6%	92.5%	87.4%	82.1%	84.6%	69.5%	81.6%	96.1%	84.2%

# FMPA 2016 Load Forecast - Base Case - Havana

## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

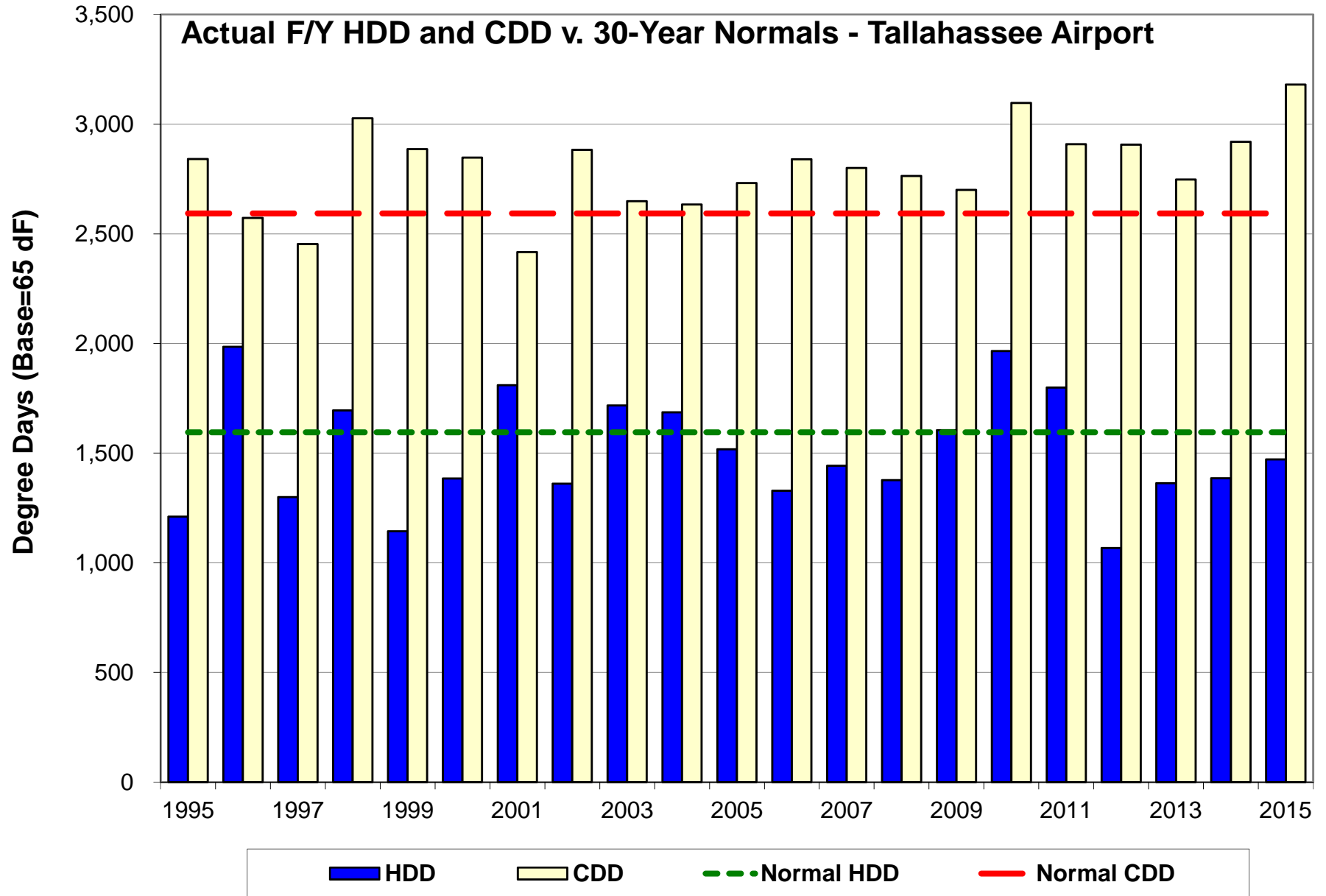
Fiscal Year	Residential						General Service						TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	(MWh)	% Chg	(MWh)	(MWh)	% Chg
Historical	2006	13,230			1,085		12,196		244		43.9		23,956		1,833	25,789	
	2007	13,268	0.3%	1,100	1.4%	12,064	-1.1%	11,468	6.9%	272	11.3%	42.2	-3.9%	3.3%	1,955	26,691	3.5%
	2008	12,936	-2.5%	1,114	1.3%	11,615	-3.7%	10,822	-5.6%	268	-1.4%	40.4	-4.3%	-4.0%	2,217	25,975	-2.7%
	2009	13,249	2.4%	1,122	0.7%	11,810	1.7%	10,427	-3.6%	254	-5.1%	41.0	1.5%	-0.3%	1,474	25,150	-3.2%
	2010	14,583	10.1%	1,116	-0.6%	13,073	10.7%	11,029	5.8%	254	-0.1%	43.4	5.8%	8.2%	1,708	27,320	8.6%
	2011	13,929	-4.5%	1,105	-0.9%	12,602	-3.6%	11,284	2.3%	262	3.0%	43.2	-0.7%	-1.6%	1,311	26,524	-2.9%
	2012	12,131	-12.9%	1,100	-0.5%	11,032	-12.5%	10,538	-6.6%	263	0.5%	40.1	-7.1%	-10.1%	1,261	23,930	-9.8%
	2013	12,395	2.2%	1,104	0.3%	11,232	1.8%	10,844	2.9%	263	0.1%	41.2	2.8%	2.5%	1,346	24,585	2.7%
	2014	13,182	6.3%	1,102	-0.1%	11,959	6.5%	10,739	-1.0%	270	2.6%	39.8	-3.5%	2.9%	1,255	25,176	2.4%
	2015	13,446	2.0%	1,115	1.1%	12,065	0.9%	11,020	2.6%	298	10.3%	37.0	-7.0%	2.3%	1,305	25,771	2.4%
Projected	2016	13,093	-2.6%	1,113	-0.2%	11,767	-2.5%	10,772	-2.3%	323	8.3%	33.4	-9.8%	-2.5%	1,253	25,118	-2.5%
	2017	13,352	2.0%	1,113	0.0%	11,999	2.0%	10,917	1.4%	324	0.5%	33.7	0.8%	1.7%	1,282	25,551	1.7%
	2018	13,567	1.6%	1,114	0.1%	12,178	1.5%	11,015	0.9%	326	0.7%	33.8	0.2%	1.3%	1,298	25,880	1.3%
	2019	13,619	0.4%	1,115	0.1%	12,212	0.3%	11,107	0.8%	328	0.6%	33.8	0.2%	0.6%	1,306	26,033	0.6%
	2020	13,681	0.5%	1,117	0.1%	12,251	0.3%	11,198	0.8%	330	0.6%	33.9	0.2%	0.6%	1,314	26,194	0.6%
	2021	13,737	0.4%	1,118	0.1%	12,290	0.3%	11,286	0.8%	332	0.6%	33.9	0.2%	0.6%	1,322	26,345	0.6%
	2022	13,796	0.4%	1,119	0.1%	12,329	0.3%	11,369	0.7%	334	0.6%	34.0	0.2%	0.6%	1,330	26,494	0.6%
	2023	13,857	0.4%	1,121	0.1%	12,366	0.3%	11,451	0.7%	336	0.6%	34.1	0.2%	0.6%	1,337	26,646	0.6%
	2024	13,910	0.4%	1,122	0.1%	12,403	0.3%	11,530	0.7%	338	0.5%	34.1	0.1%	0.5%	1,344	26,784	0.5%
	2025	13,962	0.4%	1,122	0.1%	12,439	0.3%	11,604	0.6%	340	0.5%	34.1	0.1%	0.5%	1,351	26,916	0.5%
	2026	14,010	0.3%	1,123	0.1%	12,472	0.3%	11,677	0.6%	341	0.5%	34.2	0.1%	0.5%	1,357	27,045	0.5%
	2027	14,058	0.3%	1,124	0.1%	12,504	0.3%	11,756	0.7%	343	0.5%	34.2	0.1%	0.5%	1,364	27,179	0.5%
	2028	14,109	0.4%	1,125	0.1%	12,539	0.3%	11,839	0.7%	345	0.6%	34.3	0.2%	0.5%	1,372	27,320	0.5%
	2029	14,165	0.4%	1,126	0.1%	12,579	0.3%	11,919	0.7%	347	0.5%	34.3	0.1%	0.5%	1,379	27,463	0.5%
	2030	14,224	0.4%	1,127	0.1%	12,621	0.3%	11,998	0.7%	349	0.5%	34.4	0.1%	0.5%	1,386	27,608	0.5%
	2031	14,284	0.4%	1,128	0.1%	12,664	0.3%	12,074	0.6%	351	0.5%	34.4	0.1%	0.5%	1,393	27,751	0.5%
	2032	14,337	0.4%	1,129	0.1%	12,704	0.3%	12,146	0.6%	352	0.5%	34.5	0.1%	0.5%	1,400	27,883	0.5%
	2033	14,385	0.3%	1,129	0.0%	12,743	0.3%	12,218	0.6%	354	0.5%	34.5	0.1%	0.5%	1,406	28,010	0.5%
	2034	14,439	0.4%	1,130	0.1%	12,781	0.3%	12,287	0.6%	356	0.5%	34.6	0.1%	0.5%	1,413	28,139	0.5%
	2035	14,489	0.3%	1,130	0.1%	12,818	0.3%	12,355	0.6%	357	0.4%	34.6	0.1%	0.4%	1,419	28,263	0.4%
CAGR	2006-2015		0.2%		0.3%		-0.1%		0.3%		2.2%		-1.9%	0.2%			0.0%
	2016-2025		0.7%		0.1%		0.6%		0.8%		0.6%		0.2%	0.8%			0.8%
	2026-2035		0.4%		0.1%		0.3%		0.6%		0.5%		0.1%	0.5%			0.5%

CAGR - Compound Average Growth Rate.



**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
Havana (Gadsden County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	43.9	-	14.6	-	16.6	-	1.36	-	1,097	-	914	-	62,625	-
1996	44.8	2.1%	15.1	3.3%	16.9	1.4%	1.38	2.0%	1,136	3.6%	935	2.3%	62,019	-1.0%
1997	44.8	0.1%	15.3	1.7%	17.0	1.0%	1.58	14.1%	1,099	-3.2%	973	4.1%	63,470	2.3%
1998	44.8	-0.1%	15.5	1.3%	17.5	2.7%	1.75	11.0%	1,176	7.0%	1,021	4.9%	65,749	3.6%
1999	45.2	0.9%	15.8	1.6%	17.7	1.3%	1.83	4.7%	1,246	6.0%	1,057	3.6%	67,024	1.9%
2000	45.0	-0.5%	16.1	1.9%	17.8	0.4%	1.90	3.4%	1,268	1.8%	1,081	2.3%	67,285	0.4%
2001	45.2	0.5%	16.4	1.8%	17.9	0.9%	1.59	-16.0%	1,299	2.5%	1,116	3.2%	68,228	1.4%
2002	44.9	-0.7%	16.4	0.2%	17.4	-3.2%	1.47	-7.3%	1,224	-5.8%	1,143	2.4%	69,704	2.2%
2003	45.0	0.3%	16.5	0.8%	18.7	7.5%	1.43	-3.1%	1,294	5.7%	1,177	3.0%	71,214	2.2%
2004	45.2	0.4%	16.7	1.0%	19.0	1.6%	1.51	5.7%	1,318	1.8%	1,231	4.6%	73,729	3.5%
2005	45.4	0.3%	16.9	1.0%	19.2	1.1%	1.55	2.3%	1,360	3.2%	1,278	3.8%	75,793	2.8%
2006	45.4	0.0%	16.9	0.2%	19.3	0.6%	1.59	2.8%	1,360	0.0%	1,306	2.2%	77,293	2.0%
2007	45.9	1.2%	17.0	0.5%	19.8	2.6%	1.54	-3.2%	1,426	4.8%	1,305	-0.1%	76,828	-0.6%
2008	46.4	1.0%	17.1	0.7%	19.3	-2.5%	1.41	-8.0%	1,383	-3.0%	1,306	0.1%	76,336	-0.6%
2009	46.3	-0.1%	17.0	-0.8%	18.3	-5.1%	1.26	-11.2%	1,304	-5.7%	1,278	-2.1%	75,284	-1.4%
2010	47.8	3.2%	17.0	0.2%	18.1	-1.4%	1.17	-7.0%	1,281	-1.8%	1,307	2.2%	76,806	2.0%
2011	47.5	-0.7%	16.8	-1.1%	18.1	0.1%	1.05	-10.0%	1,209	-5.6%	1,335	2.2%	79,320	3.3%
2012	46.6	-1.9%	16.4	-2.7%	18.1	-0.2%	1.01	-3.6%	1,166	-3.5%	1,247	-6.6%	76,203	-3.9%
2013	46.3	-0.7%	16.5	0.7%	18.1	0.4%	1.02	1.0%	1,181	1.3%	1,230	-1.4%	74,640	-2.1%
2014	46.3	0.1%	16.6	0.7%	18.4	1.4%	0.88	-14.1%	1,163	-1.5%	1,249	1.5%	75,206	0.8%
2015	46.3	0.0%	16.7	0.6%	18.5	0.4%	0.83	-5.5%	1,156	-0.6%	1,276	2.2%	76,337	1.5%
2016	46.4	0.3%	16.9	1.0%	18.6	0.5%	0.81	-3.0%	1,168	1.1%	1,300	1.9%	77,030	0.9%
2017	46.6	0.4%	17.1	1.1%	18.7	0.7%	0.81	0.1%	1,188	1.6%	1,331	2.4%	78,065	1.3%
2018	46.8	0.4%	17.2	0.9%	18.8	0.6%	0.81	0.2%	1,208	1.7%	1,361	2.2%	79,071	1.3%
2019	47.0	0.4%	17.4	0.9%	18.9	0.5%	0.81	-0.2%	1,226	1.5%	1,391	2.2%	80,105	1.3%
2020	47.2	0.4%	17.5	0.8%	19.0	0.4%	0.81	0.0%	1,242	1.3%	1,421	2.1%	81,143	1.3%
2021	47.3	0.3%	17.6	0.8%	19.1	0.4%	0.81	0.0%	1,254	1.0%	1,449	2.0%	82,120	1.2%
2022	47.5	0.3%	17.8	0.7%	19.1	0.5%	0.81	-0.2%	1,271	1.3%	1,478	2.0%	83,184	1.3%
2023	47.6	0.3%	17.9	0.7%	19.2	0.4%	0.80	-0.5%	1,287	1.2%	1,506	1.9%	84,204	1.2%
2024	47.8	0.3%	18.0	0.6%	19.3	0.3%	0.80	-0.5%	1,299	1.0%	1,533	1.8%	85,175	1.2%
2025	47.9	0.3%	18.1	0.6%	19.3	0.3%	0.79	-0.6%	1,311	0.9%	1,559	1.7%	86,130	1.1%
2026	48.0	0.3%	18.2	0.6%	19.4	0.3%	0.79	-0.7%	1,325	1.0%	1,587	1.8%	87,182	1.2%
2027	48.2	0.3%	18.3	0.6%	19.5	0.3%	0.78	-0.5%	1,342	1.3%	1,618	1.9%	88,309	1.3%
2028	48.3	0.4%	18.4	0.5%	19.5	0.4%	0.78	-0.3%	1,360	1.3%	1,648	1.9%	89,519	1.4%
2029	48.5	0.4%	18.5	0.5%	19.6	0.5%	0.78	-0.2%	1,380	1.5%	1,678	1.8%	90,698	1.3%
2030	48.7	0.4%	18.6	0.4%	19.7	0.4%	0.78	-0.2%	1,399	1.4%	1,708	1.8%	91,910	1.3%
2031	48.9	0.4%	18.7	0.4%	19.8	0.5%	0.78	-0.2%	1,422	1.7%	1,736	1.6%	92,989	1.2%
2032	49.1	0.4%	18.7	0.4%	19.9	0.6%	0.78	-0.1%	1,446	1.7%	1,765	1.7%	94,204	1.3%
2033	49.3	0.3%	18.8	0.3%	20.0	0.4%	0.77	-0.2%	1,468	1.5%	1,793	1.6%	95,355	1.2%
2034	49.4	0.3%	18.9	0.4%	20.1	0.3%	0.77	-0.3%	1,490	1.5%	1,821	1.6%	96,479	1.2%
2035	49.6	0.3%	18.9	0.4%	20.1	0.3%	0.77	-0.4%	1,512	1.5%	1,849	1.6%	97,602	1.2%
Average Percent Change														
2005-2015		0.2%		-0.1%		-0.4%		-6.0%		-1.6%		0.0%		0.1%
2016-2025		0.3%		0.8%		0.5%		-0.2%		1.3%		2.0%		1.2%
2026-2035		0.3%		0.5%		0.4%		-0.3%		1.4%		1.7%		1.3%



## Jacksonville Beach

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FMPA 2016 Load Forecast - Base Case  
**Jacksonville Beach**  
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	785,747	-	777,003	-	-1.1%	192.8	-	189.3	-	-1.8%	170.0	-	183.5		7.9%
	2007	774,574	-1.4%	786,523	1.2%	1.5%	141.1	-26.8%	190.2	0.5%	34.8%	182.5	7.4%	176.7	-3.7%	-3.2%
	2008	770,389	-0.5%	785,773	-0.1%	2.0%	177.3	25.7%	191.9	0.8%	8.2%	177.6	-2.7%	176.6	-0.1%	-0.5%
	2009	756,706	-1.8%	754,108	-4.0%	-0.3%	202.3	14.1%	192.1	0.1%	-5.0%	166.0	-6.5%	176.6	0.0%	6.4%
	2010	794,526	5.0%	759,281	0.7%	-4.4%	222.6	10.0%	178.9	-6.9%	-19.6%	164.2	-1.1%	158.5	-10.2%	-3.5%
	2011	774,250	-2.6%	747,963	-1.5%	-3.4%	208.7	-6.2%	210.2	17.5%	0.7%	163.4	-0.5%	146.0	-7.9%	-10.6%
	2012	718,167	-7.2%	747,485	-0.1%	4.1%	171.1	-18.0%	177.8	-15.4%	3.9%	153.1	-6.3%	157.0	7.5%	2.6%
	2013	716,333	-0.3%	733,952	-1.8%	2.5%	161.5	-5.6%	173.1	-2.7%	7.2%	149.9	-2.1%	155.6	-0.9%	3.8%
	2014	730,250	1.9%	732,930	-0.1%	0.4%	166.4	3.1%	184.9	6.8%	11.1%	158.1	5.5%	163.5	5.1%	3.5%
	2015	738,958	1.2%	733,390	0.1%	-0.8%	195.1	17.3%	187.2	1.2%	-4.1%	151.0	-4.5%	177.4	8.5%	17.5%
Projected	2016	753,594	2.0%	753,594	2.8%		179.5	-8.0%	179.5	-4.1%		160.7	6.4%	160.7	-9.4%	
	2017			762,776	1.2%				181.5	1.1%				162.4	1.1%	
	2018			770,727	1.0%				183.3	1.0%				164.0	1.0%	
	2019			778,397	1.0%				185.1	1.0%				165.7	1.0%	
	2020			785,885	1.0%				186.9	0.9%				167.2	0.9%	
	2021			793,086	0.9%				188.6	0.9%				168.8	0.9%	
	2022			800,124	0.9%				190.2	0.9%				170.2	0.9%	
	2023			806,753	0.8%				191.8	0.8%				171.6	0.8%	
	2024			813,209	0.8%				193.3	0.8%				173.0	0.8%	
	2025			819,380	0.8%				194.8	0.8%				174.3	0.8%	
	2026			825,468	0.7%				196.2	0.7%				175.6	0.7%	
	2027			831,667	0.8%				197.7	0.8%				176.9	0.8%	
	2028			838,097	0.8%				199.2	0.8%				178.3	0.8%	
	2029			844,709	0.8%				200.8	0.8%				179.7	0.8%	
	2030			851,323	0.8%				202.4	0.8%				181.1	0.8%	
	2031			857,819	0.8%				203.9	0.8%				182.5	0.8%	
	2032			864,628	0.8%				205.6	0.8%				183.9	0.8%	
	2033			871,565	0.8%				207.2	0.8%				185.4	0.8%	
	2034			878,652	0.8%				208.9	0.8%				186.9	0.8%	
	2035			885,661	0.8%				210.6	0.8%				188.4	0.8%	
CAGR <sup>[3]</sup>	2006-2015		-0.7%		-0.6%			0.1%		-0.1%			-1.3%		-0.4%	
	2016-2025				0.9%					0.9%					0.9%	
	2026-2035				0.8%					0.8%					0.8%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Jacksonville Beach**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	785,747	-	785,747	-	192.8	177.0	192.8	177.0	192.8	170.0	192.8	170.0
	2007	774,574	-1.4%	774,574	-1.4%	172.6	182.5	172.6	182.5	141.1	182.5	141.1	182.5
	2008	770,389	-0.5%	770,389	-0.5%	179.5	178.7	179.5	178.7	177.3	177.6	177.3	177.6
	2009	756,706	-1.8%	756,706	-1.8%	212.6	173.1	212.6	173.1	202.3	166.0	202.3	166.0
	2010	794,526	5.0%	794,526	5.0%	222.6	172.6	222.6	172.6	222.6	164.2	222.6	164.2
	2011	774,250	-2.6%	774,250	-2.6%	208.7	172.2	208.7	172.2	208.7	163.4	208.7	163.4
	2012	718,167	-7.2%	718,167	-7.2%	171.1	170.3	171.1	170.3	171.1	153.1	171.1	153.1
	2013	716,333	-0.3%	716,333	-0.3%	168.2	157.9	168.2	157.9	161.5	149.9	161.5	149.9
	2014	730,250	1.9%	730,250	1.9%	192.1	166.4	192.1	166.4	166.4	158.1	166.4	158.1
	2015	738,958	1.2%	739,605	1.3%	195.1	165.1	188.1	167.2	195.1	151.0	181.8	160.7
Projected	2016	753,594	2.0%	749,143	1.3%	199.5	170.1	190.1	168.9	179.5	160.7	183.8	162.4
	2017	762,776	1.2%	758,059	1.2%	201.6	171.9	192.4	171.0	181.5	162.4	186.0	164.3
	2018	770,727	1.0%	767,422	1.2%	203.7	173.6	194.8	173.1	183.3	164.0	188.3	166.4
	2019	778,397	1.0%	777,010	1.2%	205.7	175.3	197.2	175.3	185.1	165.7	190.7	168.5
	2020	785,885	1.0%	786,897	1.3%	207.7	177.0	199.7	177.5	186.9	167.2	193.1	170.6
	2021	793,086	0.9%	796,988	1.3%	209.6	178.6	202.3	179.8	188.6	168.8	195.6	172.8
	2022	800,124	0.9%	807,175	1.3%	211.4	180.2	204.9	182.1	190.2	170.2	198.1	175.0
	2023	806,753	0.8%	817,405	1.3%	213.2	181.7	207.5	184.4	191.8	171.6	200.6	177.2
	2024	813,209	0.8%	827,559	1.2%	214.8	183.1	210.0	186.6	193.3	173.0	203.1	179.4
	2025	819,380	0.8%	837,466	1.2%	216.5	184.5	212.5	188.9	194.8	174.3	205.5	181.5
	2026	825,468	0.7%	847,120	1.2%	218.1	185.9	214.9	191.0	196.2	175.6	207.8	183.6
	2027	831,667	0.8%	856,525	1.1%	219.7	187.3	217.3	193.1	197.7	176.9	210.1	185.6
	2028	838,097	0.8%	865,639	1.1%	221.4	188.7	219.6	195.2	199.2	178.3	212.3	187.6
	2029	844,709	0.8%	874,489	1.0%	223.2	190.2	221.8	197.1	200.8	179.7	214.5	189.5
	2030	851,323	0.8%	883,046	1.0%	224.9	191.7	224.0	199.0	202.4	181.1	216.5	191.3
	2031	857,819	0.8%	891,419	0.9%	226.6	193.2	226.1	200.9	203.9	182.5	218.6	193.1
	2032	864,628	0.8%	899,741	0.9%	228.4	194.7	228.2	202.8	205.6	183.9	220.6	194.9
	2033	871,565	0.8%	908,056	0.9%	230.3	196.3	230.3	204.7	207.2	185.4	222.7	196.7
	2034	878,652	0.8%	916,367	0.9%	232.1	197.9	232.4	206.5	208.9	186.9	224.7	198.5
	2035	885,661	0.8%			234.0	199.4			210.6	188.4		
CAGR <sup>[1]</sup>	Historical		-0.7%		-0.9%	0.1%	-0.8%	0.0%	-0.8%	4.1%	-2.3%	2.4%	-2.0%
	1st 10 Prj Yrs		0.9%		1.2%	0.9%	0.9%	1.2%	1.2%	0.9%	0.9%	1.2%	1.2%
	2nd 10 Prj Yrs		0.8%		1.0%	0.8%	0.8%	1.0%	1.0%	0.8%	0.8%	1.0%	1.0%

[1] CAGR - Compound Annual Growth Rate

FMPA 2016 Load Forecast - Base Case

**Jacksonville Beach**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	56,974	54,858	52,213	56,196	67,731	76,087	84,731	85,872	74,341	59,757	52,291	54,909	775,959	785,747
	2007	58,232	53,817	52,972	53,957	64,404	74,142	82,338	90,418	77,337	68,493	50,076	54,846	781,032	774,574
	2008	61,979	51,759	53,060	53,589	69,193	75,779	78,487	78,391	74,736	59,682	52,782	54,485	763,923	770,389
	2009	62,457	55,025	51,034	51,714	64,670	76,959	77,418	77,754	72,726	63,608	48,527	56,430	758,323	756,706
	2010	75,365	61,496	53,174	48,767	68,394	78,099	83,532	82,536	74,597	56,214	48,222	75,151	805,547	794,526
	2011	67,375	50,187	49,037	55,672	65,313	74,001	79,432	83,666	69,982	54,165	47,730	50,562	747,122	774,250
	2012	55,047	48,059	51,324	53,841	65,188	68,237	82,488	72,026	69,501	59,407	48,781	53,525	727,423	718,167
	2013	50,771	47,821	54,012	49,912	59,437	71,484	73,815	78,095	69,273	57,997	48,728	51,950	713,294	716,333
	2014	68,815	50,366	51,468	50,155	61,889	69,451	75,799	77,428	66,205	56,550	50,366	53,983	732,474	730,250
	2015	59,079	55,394	49,754	53,194	66,938	73,046	78,605	75,241	66,809	57,701	52,666	57,335	745,762	738,958
Projected	2016	62,468	51,055	50,292	53,009	63,022	73,258	80,664	81,109	71,014	59,390	53,283	57,992	756,556	753,594
	2017	63,120	51,592	50,826	53,580	63,710	74,044	81,515	81,962	71,762	60,017	53,857	58,616	764,601	762,776
	2018	63,778	52,123	51,357	54,151	64,389	74,817	82,348	82,791	72,485	60,620	54,404	59,207	772,469	770,727
	2019	64,405	52,632	51,866	54,698	65,042	75,565	83,160	83,602	73,196	61,213	54,943	59,791	780,113	778,397
	2020	65,025	53,135	52,366	55,231	65,676	76,291	83,947	84,387	73,881	61,783	55,456	60,346	787,523	785,885
	2021	65,616	53,614	52,843	55,742	66,286	76,991	84,708	85,150	74,550	62,344	55,968	60,902	794,713	793,086
	2022	66,205	54,089	53,314	56,244	66,882	77,671	85,442	85,879	75,185	62,871	56,443	61,415	801,640	800,124
	2023	66,750	54,532	53,754	56,715	67,443	78,315	86,141	86,578	75,796	63,382	56,907	61,918	808,231	806,753
	2024	67,285	54,965	54,185	57,175	67,990	78,942	86,819	87,255	76,386	63,873	57,351	62,398	814,624	813,209
	2025	67,795	55,378	54,596	57,614	68,513	79,540	87,468	87,903	76,953	64,347	57,781	62,865	820,752	819,380
Projected	2026	68,293	55,782	55,000	58,047	69,030	80,135	88,115	88,551	77,522	64,823	58,214	63,335	826,848	825,468
	2027	68,796	56,193	55,410	58,488	69,558	80,744	88,779	89,218	78,108	65,316	58,663	63,825	833,098	831,667
	2028	69,320	56,619	55,836	58,946	70,106	81,375	89,467	89,909	78,715	65,825	59,126	64,328	839,572	838,097
	2029	69,860	57,059	56,275	59,415	70,667	82,022	90,175	90,619	79,338	66,348	59,600	64,844	846,222	844,709
	2030	70,411	57,506	56,717	59,885	71,225	82,663	90,870	91,312	79,942	66,850	60,053	65,333	852,767	851,323
	2031	70,936	57,935	57,145	60,345	71,777	83,301	91,567	92,015	80,562	67,372	60,531	65,855	859,340	857,819
	2032	71,494	58,388	57,598	60,831	72,357	83,968	92,293	92,742	81,200	67,907	61,017	66,383	866,178	864,628
	2033	72,059	58,848	58,058	61,324	72,946	84,647	93,034	93,487	81,854	68,456	61,517	66,927	873,157	871,565
	2034	72,642	59,322	58,529	61,828	73,547	85,340	93,788	94,242	82,514	69,008	62,015	67,467	880,243	878,652
	2035	73,220	59,792	58,996	62,325	74,138	86,021	94,530	94,984	83,164	69,552	62,507	68,000	887,229	885,661

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.1%	7.1%	6.7%	7.2%	8.7%	9.8%	10.9%	11.1%	9.6%	7.7%	6.7%	7.1%	100.0%
	2007	7.5%	6.9%	6.8%	6.9%	8.2%	9.5%	10.5%	11.6%	9.9%	8.8%	6.4%	7.0%	100.0%
	2008	8.1%	6.8%	6.9%	7.0%	9.1%	9.9%	10.3%	10.3%	9.8%	7.8%	6.9%	7.1%	100.0%
	2009	8.2%	7.3%	6.7%	6.8%	8.5%	10.1%	10.2%	10.3%	9.6%	8.4%	6.4%	7.4%	100.0%
	2010	9.4%	7.6%	6.6%	6.1%	8.5%	9.7%	10.4%	10.2%	9.3%	7.0%	6.0%	9.3%	100.0%
	2011	9.0%	6.7%	6.6%	7.5%	8.7%	9.9%	10.6%	11.2%	9.4%	7.2%	6.4%	6.8%	100.0%
	2012	7.6%	6.6%	7.1%	7.4%	9.0%	9.4%	11.3%	9.9%	9.6%	8.2%	6.7%	7.4%	100.0%
	2013	7.1%	6.7%	7.6%	7.0%	8.3%	10.0%	10.3%	10.9%	9.7%	8.1%	6.8%	7.3%	100.0%
	2014	9.4%	6.9%	7.0%	6.8%	8.4%	9.5%	10.3%	10.6%	9.0%	7.7%	6.9%	7.4%	100.0%
	2015	7.9%	7.4%	6.7%	7.1%	9.0%	9.8%	10.5%	10.1%	9.0%	7.7%	7.1%	7.7%	100.0%
Projected	2016	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.9%	7.0%	7.7%	100.0%
	2017	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2018	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2019	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2020	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2021	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2022	8.3%	6.7%	6.7%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2023	8.3%	6.7%	6.7%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2024	8.3%	6.7%	6.7%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
	2025	8.3%	6.7%	6.7%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%
Avg.	2006-2015	8.2%	7.0%	6.9%	7.0%	8.7%	9.8%	10.6%	10.6%	9.5%	7.9%	6.6%	7.4%	100.0%
	2016-2025	8.3%	6.7%	6.6%	7.0%	8.3%	9.7%	10.7%	10.7%	9.4%	7.8%	7.0%	7.7%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Jacksonville Beach**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	157.0	192.8	112.6	131.3	150.1	158.8	166.9	177.0	162.7	138.1	127.3	136.9	192.8	177.0
	2007	172.6	161.8	127.1	129.3	133.4	159.9	174.1	182.5	159.7	145.1	105.0	128.9	172.6	182.5
	2008	179.5	148.1	109.9	123.8	149.9	157.2	170.8	178.7	160.2	132.8	137.3	142.5	179.5	178.7
	2009	208.2	212.6	143.7	113.2	141.9	173.1	170.4	163.3	150.3	149.7	113.7	131.1	212.6	173.1
	2010	222.6	170.6	142.9	105.3	147.8	168.5	172.6	163.7	159.5	126.3	105.4	208.7	222.6	172.6
	2011	200.1	141.3	100.3	124.2	143.1	156.6	164.0	172.2	156.4	117.5	101.0	103.3	208.7	172.2
	2012	171.1	170.0	102.8	123.7	139.1	170.3	163.3	150.2	149.6	129.0	113.9	132.4	171.1	170.3
	2013	124.0	168.2	161.5	111.1	135.2	157.9	148.2	155.5	152.4	133.6	117.8	114.9	168.2	157.9
	2014	192.1	153.6	114.6	116.8	145.2	152.9	164.1	166.4	156.6	131.5	158.4	128.9	192.1	166.4
	2015	150.5	195.1	105.0	129.0	150.6	159.1	165.1	156.4	148.5	126.4	114.8	135.7	195.1	165.1
Projected	2016	182.8	199.5	123.5	117.8	143.9	157.3	170.1	164.5	152.8	130.2	116.0	137.1	199.5	170.1
	2017	184.8	201.6	124.8	119.0	145.4	158.9	171.9	166.2	154.4	131.6	117.2	138.6	201.6	171.9
	2018	186.7	203.7	126.0	120.3	146.9	160.6	173.6	168.0	156.0	132.9	118.3	139.9	203.7	173.6
	2019	188.5	205.7	127.3	121.5	148.4	162.1	175.3	169.6	157.6	134.3	119.5	141.3	205.7	175.3
	2020	190.3	207.7	128.5	122.6	149.8	163.7	177.0	171.2	159.1	135.5	120.5	142.5	207.7	177.0
	2021	192.1	209.6	129.7	123.7	151.1	165.2	178.6	172.8	160.5	136.8	121.6	143.8	209.6	178.6
	2022	193.7	211.4	130.8	124.8	152.5	166.6	180.2	174.3	161.9	138.0	122.6	145.0	211.4	180.2
	2023	195.3	213.2	131.9	125.8	153.7	168.0	181.7	175.7	163.3	139.1	123.6	146.1	213.2	181.7
	2024	196.9	214.8	132.9	126.8	154.9	169.3	183.1	177.1	164.6	140.2	124.5	147.2	214.8	183.1
	2025	198.4	216.5	133.9	127.8	156.1	170.6	184.5	178.5	165.8	141.2	125.4	148.3	216.5	184.5
Projected	2026	199.8	218.1	134.9	128.7	157.2	171.9	185.9	179.8	167.0	142.3	126.4	149.4	218.1	185.9
	2027	201.3	219.7	135.9	129.7	158.4	173.2	187.3	181.1	168.3	143.4	127.4	150.6	219.7	187.3
	2028	202.9	221.4	137.0	130.7	159.7	174.5	188.7	182.5	169.6	144.5	128.4	151.8	221.4	188.7
	2029	204.5	223.2	138.1	131.8	160.9	175.9	190.2	184.0	170.9	145.6	129.4	153.0	223.2	190.2
	2030	206.1	224.9	139.2	132.8	162.2	177.2	191.7	185.4	172.3	146.8	130.4	154.1	224.9	191.7
	2031	207.7	226.6	140.2	133.8	163.4	178.6	193.2	186.8	173.6	147.9	131.4	155.4	226.6	193.2
	2032	209.3	228.4	141.3	134.9	164.7	180.0	194.7	188.3	175.0	149.1	132.4	156.6	228.4	194.7
	2033	211.0	230.3	142.5	135.9	166.1	181.5	196.3	189.8	176.4	150.3	133.5	157.9	230.3	196.3
	2034	212.7	232.1	143.6	137.0	167.4	183.0	197.9	191.4	177.8	151.5	134.6	159.1	232.1	197.9
	2035	214.4	234.0	144.8	138.1	168.7	184.4	199.4	192.9	179.2	152.7	135.6	160.4	234.0	199.4

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										58.0%	64.0%	60.2%		
	2006	48.8%	42.4%	62.3%	57.5%	67.2%	64.4%	70.5%	65.2%	63.5%	58.2%	55.2%	55.7%	46.0%	50.0%
	2007	45.4%	49.5%	56.0%	56.1%	71.8%	62.3%	65.7%	66.6%	67.3%	63.5%	64.1%	59.1%	51.7%	48.9%
	2008	46.4%	50.2%	64.9%	58.2%	68.7%	64.8%	63.8%	59.0%	64.8%	60.4%	51.7%	53.1%	48.6%	48.8%
	2009	40.3%	38.5%	47.7%	61.4%	67.8%	59.8%	63.1%	64.0%	67.2%	57.1%	57.3%	59.8%	40.7%	50.0%
	2010	45.5%	53.6%	50.0%	62.3%	68.9%	62.3%	67.2%	67.8%	65.0%	59.8%	61.5%	50.0%	41.3%	53.3%
	2011	45.3%	52.8%	65.7%	60.3%	67.9%	63.5%	67.3%	65.3%	62.2%	62.0%	63.5%	68.0%	40.9%	49.5%
	2012	43.2%	40.6%	67.1%	58.5%	69.7%	53.9%	70.2%	64.5%	64.5%	61.9%	57.6%	56.2%	48.5%	48.8%
	2013	55.0%	42.3%	45.0%	60.4%	65.4%	60.8%	69.2%	67.5%	63.1%	58.4%	55.6%	62.8%	48.4%	51.6%
	2014	48.1%	48.8%	60.3%	57.7%	63.4%	61.1%	64.1%	62.6%	58.7%	57.8%	42.7%	58.1%	43.5%	50.3%
	2015	52.8%	42.2%	63.7%	55.4%	66.1%	61.7%	66.1%	64.7%	62.5%	61.4%	61.7%	58.7%	43.6%	51.6%
Projected	2016	45.9%	36.8%	54.8%	60.5%	65.2%	62.6%	65.9%	66.3%	64.5%	61.3%	61.7%	58.7%	43.3%	50.8%
	2017	45.9%	38.1%	54.8%	60.5%	65.2%	62.6%	65.9%	66.3%	64.5%	61.3%	61.8%	58.8%	43.3%	50.8%
	2018	45.9%	38.1%	54.8%	60.5%	65.2%	62.6%	65.9%	66.3%	64.5%	61.3%	61.8%	58.8%	43.3%	50.8%
	2019	45.9%	38.1%	54.8%	60.5%	65.2%	62.6%	65.9%	66.2%	64.5%	61.3%	61.8%	58.8%	43.3%	50.8%
	2020	45.9%	36.8%	54.8%	60.5%	65.3%	62.6%	65.9%	66.2%	64.5%	61.3%	61.8%	58.8%	43.3%	50.8%
	2021	45.9%	38.1%	54.8%	60.6%	65.3%	62.6%	65.9%	66.2%	64.5%	61.3%	61.9%	58.8%	43.3%	50.8%
	2022	45.9%	38.1%	54.8%	60.6%	65.3%	62.7%	65.9%	66.2%	64.5%	61.3%	61.9%	58.8%	43.3%	50.8%
	2023	45.9%	38.1%	54.8%	60.6%	65.3%	62.7%	65.9%	66.2%	64.5%	61.2%	61.9%	58.9%	43.3%	50.8%
	2024	45.9%	36.8%	54.8%	60.6%	65.3%	62.7%	65.9%	66.2%	64.5%	61.2%	61.9%	58.9%	43.3%	50.8%
	2025	45.9%	38.1%	54.8%	60.6%	65.3%	62.7%	65.9%	66.2%	64.5%	61.2%	61.9%	58.9%	43.3%	50.8%
Avg.	2006-2015	47.1%	46.1%	58.3%	58.8%	67.7%	61.5%	66.7%	64.7%	63.9%	60.0%	57.1%	58.1%	45.3%	50.3%
	2016-2025	45.9%	37.7%	54.8%	60.5%	65.3%	62.6%	65.9%	66.2%	64.5%	61.3%	61.8%	58.8%	43.3%	50.8%

FMPA 2016 Load Forecast - Base Case  
**Jacksonville Beach**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	138.5	192.8	104.1	108.5	141.6	156.7	160.6	170.0	148.1	135.3	99.8	93.6	192.8	170.0
	2007	172.6	141.1	97.3	113.8	130.7	147.7	163.8	182.5	155.6	134.4	102.7	98.0	141.1	182.5
	2008	177.3	145.9	101.9	106.8	141.2	157.2	170.8	177.6	153.1	131.7	96.3	142.5	177.3	177.6
	2009	208.2	202.3	143.7	112.6	137.9	166.0	162.8	163.3	149.8	141.9	90.5	131.1	202.3	166.0
	2010	222.6	170.6	142.7	95.9	132.0	164.2	168.5	163.7	153.5	126.3	92.5	208.7	222.6	164.2
	2011	200.1	139.4	100.1	118.9	131.5	148.2	155.0	163.4	117.3	114.6	94.2	91.1	208.7	163.4
	2012	171.1	170.0	99.1	113.2	131.4	135.9	153.1	137.9	142.1	127.2	89.3	132.4	171.1	153.1
	2013	124.0	168.2	161.5	102.3	129.0	149.0	144.4	149.9	138.8	127.1	97.5	96.3	161.5	149.9
	2014	166.4	153.6	104.0	116.1	145.2	145.4	162.8	158.1	145.7	122.2	158.4	128.9	166.4	158.1
	2015	145.4	195.1	97.5	111.5	149.1	151.0	153.6	156.3	148.5	121.9	102.1	131.6	195.1	151.0
Projected	2016	179.5	196.7	116.7	106.5	137.9	149.2	164.3	160.7	143.8	125.6	103.2	133.0	179.5	160.7
	2017	181.5	198.8	117.9	107.6	139.4	150.8	166.0	162.4	145.3	126.9	104.2	134.4	181.5	162.4
	2018	183.3	200.8	119.2	108.7	140.8	152.4	167.7	164.0	146.8	128.2	105.2	135.7	183.3	164.0
	2019	185.1	202.8	120.3	109.8	142.2	153.9	169.4	165.7	148.3	129.5	106.2	137.0	185.1	165.7
	2020	186.9	204.7	121.5	110.9	143.6	155.3	171.0	167.2	149.7	130.7	107.2	138.3	186.9	167.2
	2021	188.6	206.6	122.6	111.9	144.9	156.8	172.5	168.8	151.0	131.9	108.1	139.5	188.6	168.8
	2022	190.2	208.4	123.7	112.9	146.1	158.1	174.1	170.2	152.3	133.1	109.0	140.6	190.2	170.2
	2023	191.8	210.1	124.7	113.8	147.3	159.4	175.5	171.6	153.6	134.2	109.9	141.7	191.8	171.6
	2024	193.3	211.8	125.7	114.7	148.5	160.7	176.9	173.0	154.8	135.2	110.7	142.8	193.3	173.0
	2025	194.8	213.3	126.6	115.5	149.6	161.9	178.2	174.3	156.0	136.2	111.5	143.9	194.8	174.3
Projected	2026	196.2	214.9	127.5	116.4	150.7	163.1	179.5	175.6	157.1	137.3	112.4	144.9	196.2	175.6
	2027	197.7	216.6	128.5	117.3	151.9	164.3	180.9	176.9	158.3	138.3	113.3	146.1	197.7	176.9
	2028	199.2	218.2	129.5	118.2	153.1	165.6	182.3	178.3	159.6	139.4	114.2	147.2	199.2	178.3
	2029	200.8	220.0	130.5	119.1	154.3	166.9	183.7	179.7	160.8	140.5	115.0	148.4	200.8	179.7
	2030	202.4	221.7	131.5	120.0	155.5	168.2	185.2	181.1	162.1	141.6	115.9	149.5	202.4	181.1
	2031	203.9	223.4	132.6	121.0	156.7	169.5	186.6	182.5	163.3	142.7	116.9	150.7	203.9	182.5
	2032	205.6	225.2	133.6	121.9	157.9	170.9	188.1	183.9	164.6	143.8	117.8	151.9	205.6	183.9
	2033	207.2	227.0	134.7	122.9	159.2	172.2	189.6	185.4	165.9	144.9	118.8	153.1	207.2	185.4
	2034	208.9	228.8	135.8	123.9	160.5	173.6	191.1	186.9	167.3	146.1	119.7	154.4	208.9	186.9
	2035	210.6	230.6	136.9	124.9	161.7	175.0	192.6	188.4	168.6	147.3	120.6	155.6	210.6	188.4

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										92.4%	96.3%	97.0%		
	2006	88.2%	100.0%	92.4%	82.6%	94.4%	98.7%	96.2%	96.0%	91.0%	98.0%	78.4%	68.4%	100.0%	96.0%
	2007	100.0%	87.2%	76.6%	88.0%	98.0%	92.4%	94.1%	100.0%	97.4%	92.6%	97.8%	76.0%	81.7%	100.0%
	2008	98.8%	98.5%	92.7%	86.2%	94.2%	100.0%	100.0%	99.4%	95.5%	99.2%	70.2%	100.0%	98.8%	99.4%
	2009	100.0%	95.1%	100.0%	99.4%	97.1%	95.9%	95.5%	100.0%	99.7%	94.8%	79.6%	100.0%	95.1%	95.9%
	2010	100.0%	100.0%	99.8%	91.1%	89.3%	97.4%	97.6%	100.0%	96.2%	100.0%	87.7%	100.0%	100.0%	95.1%
	2011	100.0%	98.6%	99.7%	95.8%	91.9%	94.6%	94.5%	94.9%	75.0%	97.5%	93.2%	88.2%	100.0%	94.9%
	2012	100.0%	100.0%	96.4%	91.5%	94.5%	79.8%	93.7%	91.8%	95.0%	98.6%	78.4%	100.0%	100.0%	89.9%
	2013	100.0%	100.0%	100.0%	92.1%	95.4%	94.4%	97.4%	96.4%	91.1%	95.1%	82.7%	83.8%	96.0%	94.9%
	2014	86.6%	100.0%	90.7%	99.4%	100.0%	95.1%	99.2%	95.0%	93.0%	92.9%	100.0%	100.0%	86.6%	95.0%
	2015	96.6%	100.0%	92.8%	86.4%	99.0%	94.9%	93.0%	99.9%	100.0%	96.5%	88.9%	97.0%	100.0%	91.5%
Projected	2016	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2017	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2018	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2019	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2020	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2021	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2022	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2023	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2024	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2025	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%
	2006-2015	97.0%	97.9%	94.1%	91.3%	95.4%	94.3%	96.1%	97.3%	93.4%	96.5%	85.7%	91.3%	95.8%	95.3%
	2016-2025	98.2%	98.6%	94.5%	90.4%	95.9%	94.9%	96.6%	97.7%	94.1%	96.5%	88.9%	97.0%	90.0%	94.5%



# FMPA 2016 Load Forecast - Base Case - Jax Bch

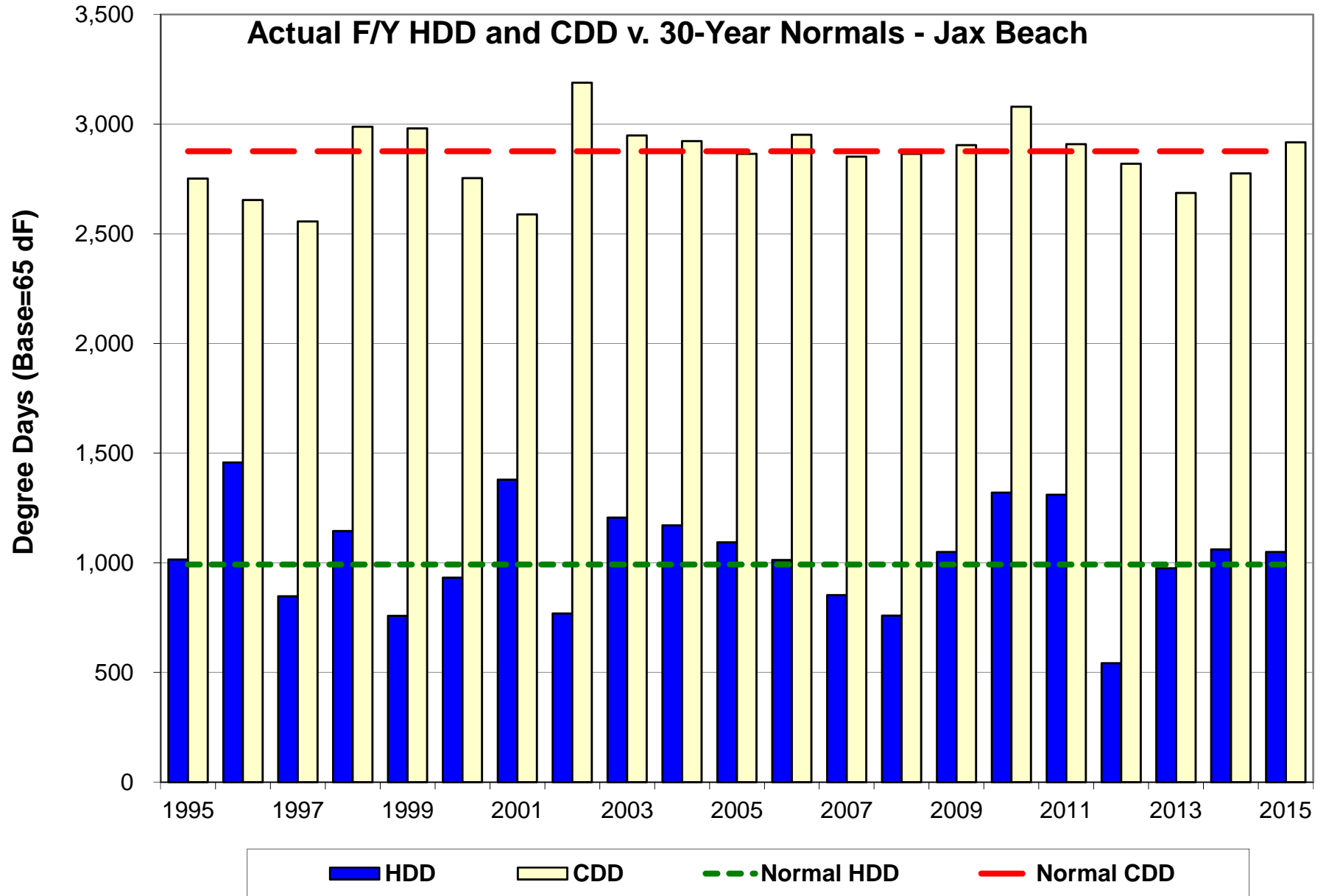
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

Fiscal Year		Residential						General Service Non-Demand						General Service Demand						City		Lights		TOTAL SALES		DISTR.	TOTAL NEL		
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	% Chg	
																										(MWh)			(MWh)
Historical	2006	464,177		26,029		17,833		116,351		5,651		20.6		176,373		325		543		8,787		5,482		771,171		14,576		785,747	
	2007	447,029	-3.7%	27,536	5.8%	16,234	-9.0%	109,896	-5.5%	4,950	-12.4%	22.2	7.8%	173,158	-1.8%	318	-2.3%	545	0.4%	8,730	-0.7%	4,445	-18.9%	743,258	-3.6%	13,316		774,574	-1.4%
	2008	442,242	-1.1%	28,262	2.6%	15,648	-3.6%	93,374	-15.0%	4,301	-13.1%	21.7	-2.2%	187,025	8.0%	345	8.5%	542	-0.5%	8,356	-4.3%	3,997	-10.1%	734,994	-1.1%	35,395		770,389	-0.5%
	2009	440,988	-0.3%	28,252	0.0%	15,609	-0.2%	81,848	-12.3%	4,125	-4.1%	19.8	-8.6%	183,331	-2.0%	369	7.1%	497	-8.5%	8,594	2.9%	3,979	-0.5%	718,740	-2.2%	37,966		756,706	-1.8%
	2010	479,184	8.7%	28,539	1.0%	16,791	7.6%	87,401	6.8%	4,105	-0.5%	21.3	7.3%	186,428	1.7%	370	0.3%	503	1.4%	8,036	-6.5%	4,054	1.9%	765,105	6.5%	29,421		794,526	5.0%
	2011	456,496	-4.7%	28,326	-0.7%	16,116	-4.0%	86,639	-0.9%	4,075	-0.7%	21.3	-0.1%	185,575	-0.5%	364	-1.6%	509	1.2%	8,002	-0.4%	4,111	1.4%	740,822	-3.2%	33,428		774,250	-2.6%
	2012	421,686	-7.6%	28,621	1.0%	14,733	-8.6%	82,355	-4.9%	4,086	0.3%	20.2	-5.2%	183,493	-1.1%	368	1.0%	499	-2.1%	7,002	-12.5%	4,123	0.3%	698,659	-5.7%	19,508		718,167	-7.2%
	2013	417,337	-1.0%	28,775	0.5%	14,503	-1.6%	80,811	-1.9%	4,143	1.4%	19.5	-3.2%	174,397	-5.0%	359	-2.5%	486	-2.5%	7,912	13.0%	4,127	0.1%	684,584	-2.0%	31,749		716,333	-0.3%
	2014	431,884	3.5%	29,051	1.0%	14,866	2.5%	81,978	1.4%	4,187	1.1%	19.6	0.4%	176,532	1.2%	351	-2.1%	503	3.4%	7,922	0.1%	4,137	0.2%	702,453	2.6%	27,797		730,250	1.9%
2015	444,025	2.8%	29,537	1.7%	15,033	1.1%	86,263	5.2%	4,238	1.2%	20.4	4.0%	177,045	0.3%	333	-5.3%	532	5.9%	8,072	1.9%	4,142	0.1%	719,548	2.4%	19,410		738,958	1.2%	
Projected	2016	449,041	1.1%	29,749	0.7%	15,094	0.4%	87,085	1.0%	4,361	2.9%	20.0	-1.9%	180,430	1.9%	333	0.2%	541	1.7%	8,162	1.1%	4,142	0.0%	728,860	1.3%	24,734		753,594	2.0%
	2017	453,521	1.0%	29,859	0.4%	15,189	0.6%	88,527	1.7%	4,454	2.1%	19.9	-0.5%	183,562	1.7%	337	1.1%	545	0.7%	8,216	0.7%	4,142	0.0%	737,968	1.2%	24,809		762,776	1.2%
	2018	456,984	0.8%	29,964	0.4%	15,251	0.4%	90,420	2.1%	4,530	1.7%	20.0	0.4%	185,852	1.2%	340	0.9%	547	0.4%	8,258	0.5%	4,142	0.0%	745,657	1.0%	25,070		770,727	1.0%
	2019	460,479	0.8%	30,067	0.3%	15,315	0.4%	92,227	2.0%	4,594	1.4%	20.1	0.6%	187,929	1.1%	342	0.7%	549	0.4%	8,297	0.5%	4,142	0.0%	753,074	1.0%	25,323		778,397	1.0%
	2020	464,077	0.8%	30,174	0.4%	15,380	0.4%	93,887	1.8%	4,653	1.3%	20.2	0.5%	189,879	1.0%	344	0.6%	551	0.4%	8,333	0.4%	4,142	0.0%	760,318	1.0%	25,566		785,885	1.0%
	2021	467,560	0.8%	30,283	0.4%	15,440	0.4%	95,401	1.6%	4,710	1.2%	20.3	0.4%	191,813	1.0%	346	0.5%	554	0.5%	8,368	0.4%	4,142	0.0%	767,285	0.9%	25,801		793,086	0.9%
	2022	470,902	0.7%	30,386	0.3%	15,497	0.4%	96,843	1.5%	4,767	1.2%	20.3	0.3%	193,802	1.0%	348	0.4%	558	0.6%	8,405	0.4%	4,142	0.0%	774,094	0.9%	26,030		800,124	0.9%
	2023	474,098	0.7%	30,481	0.3%	15,554	0.4%	98,224	1.4%	4,818	1.1%	20.4	0.4%	195,606	0.9%	349	0.3%	561	0.6%	8,437	0.4%	4,142	0.0%	780,508	0.8%	26,245		806,753	0.8%
	2024	477,227	0.7%	30,571	0.3%	15,611	0.4%	99,546	1.3%	4,866	1.0%	20.5	0.3%	197,369	0.9%	350	0.3%	564	0.6%	8,469	0.4%	4,142	0.0%	786,753	0.8%	26,456		813,209	0.8%
	2025	480,198	0.6%	30,654	0.3%	15,665	0.3%	100,784	1.2%	4,913	1.0%	20.5	0.3%	199,100	0.9%	351	0.3%	568	0.6%	8,500	0.4%	4,142	0.0%	792,724	0.8%	26,656		819,380	0.8%
	2026	483,132	0.6%	30,735	0.3%	15,719	0.3%	101,966	1.2%	4,959	0.9%	20.6	0.2%	200,839	0.9%	351	0.2%	571	0.7%	8,531	0.4%	4,142	0.0%	798,610	0.7%	26,857		825,468	0.7%
	2027	486,147	0.6%	30,818	0.3%	15,775	0.4%	103,123	1.1%	5,005	0.9%	20.6	0.2%	202,628	0.9%	352	0.2%	575	0.7%	8,563	0.4%	4,142	0.0%	804,603	0.8%	27,064		831,667	0.8%
	2028	489,325	0.7%	30,908	0.3%	15,832	0.4%	104,277	1.1%	5,051	0.9%	20.6	0.2%	204,480	0.9%	353	0.2%	580	0.7%	8,596	0.4%	4,142	0.0%	810,819	0.8%	27,278		838,097	0.8%
	2029	492,663	0.7%	31,007	0.3%	15,889	0.4%	105,435	1.1%	5,097	0.9%	20.7	0.2%	206,343	0.9%	353	0.2%	584	0.8%	8,628	0.4%	4,142	0.0%	817,211	0.8%	27,498		844,709	0.8%
	2030	496,044	0.7%	31,110	0.3%	15,945	0.4%	106,590	1.1%	5,142	0.9%	20.7	0.2%	208,174	0.9%	354	0.1%	588	0.8%	8,660	0.4%	4,142	0.0%	823,610	0.8%	27,713		851,323	0.8%
	2031	499,310	0.7%	31,211	0.3%	15,998	0.3%	107,717	1.1%	5,186	0.8%	20.8	0.2%	210,029	0.9%	354	0.1%	593	0.8%	8,692	0.4%	4,142	0.0%	829,891	0.8%	27,928		857,819	0.8%
	2032	502,640	0.7%	31,311	0.3%	16,053	0.3%	108,852	1.1%	5,234	0.9%	20.8	0.1%	212,111	1.0%	355	0.1%	598	0.9%	8,728	0.4%	4,142	0.0%	836,473	0.8%	28,155		864,628	0.8%
	2033	506,107	0.7%	31,413	0.3%	16,112	0.4%	110,004	1.1%	5,280	0.9%	20.8	0.2%	214,164	1.0%	355	0.1%	603	0.9%	8,764	0.4%	4,142	0.0%	843,180	0.8%	28,385		871,565	0.8%
2034	509,734	0.7%	31,517	0.3%	16,173	0.4%	111,174	1.1%	5,324	0.8%	20.9	0.2%	216,185	0.9%	355	0.1%	608	0.8%	8,798	0.4%	4,142	0.0%	850,033	0.8%	28,619		878,652	0.8%	
2035	513,340	0.7%	31,620	0.3%	16,234	0.4%	112,318	1.0%	5,367	0.8%	20.9	0.2%	218,181	0.9%	356	0.1%	613	0.8%	8,832	0.4%	4,142	0.0%	856,813	0.8%	28,848		885,661	0.8%	
CAGR	2006-2015		-0.5%		1.4%		-1.9%		-3.3%		-3.1%		-0.1%		0.0%		0.3%		-0.2%		-0.9%		-3.1%		-0.8%				-0.7%
	2016-2025		0.7%		0.3%		0.4%		1.6%		1.3%		0.3%		1.1%		0.6%		0.5%		0.5%		0.0%		0.9%				0.9%
	2026-2035		0.7%		0.3%		0.4%		1.1%		0.9%		0.2%		0.9%		0.1%		0.8%		0.4%		0.0%		0.8%				0.8%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
 Jacksonville Beach (Duval/St. Johns County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	427.8	-	162.9	-	278.0	-	17.08	-	18,574	-	13,281	-	81,552	-
1996	439.7	2.8%	168.6	3.6%	290.6	4.5%	17.04	-0.2%	19,611	5.6%	13,931	4.9%	82,608	1.3%
1997	448.5	2.0%	172.7	2.4%	297.6	2.4%	17.69	3.8%	20,566	4.9%	14,565	4.5%	84,340	2.1%
1998	455.0	1.4%	176.4	2.1%	307.9	3.5%	18.11	2.4%	21,520	4.6%	15,737	8.0%	89,211	5.8%
1999	460.4	1.2%	179.9	2.0%	314.3	2.1%	18.05	-0.4%	21,607	0.4%	16,186	2.9%	89,996	0.9%
2000	466.6	1.3%	183.4	2.0%	327.4	4.2%	18.75	3.9%	22,423	3.8%	17,259	6.6%	94,096	4.6%
2001	474.7	1.7%	188.2	2.6%	325.7	-0.5%	17.34	-7.5%	22,709	1.3%	17,366	0.6%	92,258	-2.0%
2002	482.5	1.6%	193.0	2.5%	325.8	0.0%	16.43	-5.3%	23,314	2.7%	17,827	2.7%	92,377	0.1%
2003	491.0	1.8%	198.0	2.6%	334.6	2.7%	15.96	-2.9%	24,889	6.8%	18,576	4.2%	93,837	1.6%
2004	500.5	1.9%	202.7	2.4%	346.4	3.5%	15.93	-0.2%	25,808	3.7%	19,574	5.4%	96,573	2.9%
2005	509.9	1.9%	207.1	2.2%	356.4	2.9%	15.89	-0.2%	26,897	4.2%	20,800	6.3%	100,445	4.0%
2006	519.8	1.9%	210.6	1.7%	369.4	3.7%	15.66	-1.5%	28,286	5.2%	22,386	7.6%	106,302	5.8%
2007	527.3	1.4%	212.4	0.9%	376.5	1.9%	15.33	-2.1%	28,222	-0.2%	22,601	1.0%	106,402	0.1%
2008	532.6	1.0%	213.3	0.4%	368.9	-2.0%	15.02	-2.0%	26,772	-5.1%	22,250	-1.6%	104,322	-2.0%
2009	537.3	0.9%	213.5	0.1%	354.6	-3.9%	13.76	-8.4%	25,303	-5.5%	21,292	-4.3%	99,713	-4.4%
2010	542.8	1.0%	215.1	0.7%	352.7	-0.5%	12.99	-5.6%	25,488	0.7%	21,995	3.3%	102,267	2.6%
2011	548.7	1.1%	217.0	0.9%	361.6	2.5%	12.94	-0.4%	25,283	-0.8%	22,434	2.0%	103,400	1.1%
2012	555.9	1.3%	218.1	0.5%	366.5	1.4%	13.09	1.2%	25,715	1.7%	23,608	5.2%	108,243	4.7%
2013	563.3	1.3%	220.5	1.1%	373.3	1.9%	13.02	-0.6%	25,960	1.0%	23,579	-0.1%	106,929	-1.2%
2014	572.5	1.6%	224.1	1.6%	382.1	2.4%	13.08	0.5%	26,675	2.8%	24,289	3.0%	108,382	1.4%
2015	580.7	1.4%	228.2	1.8%	390.0	2.1%	13.19	0.8%	27,310	2.4%	25,099	3.3%	110,015	1.5%
2016	586.4	1.0%	231.4	1.4%	397.9	2.0%	13.22	0.2%	28,058	2.7%	25,934	3.3%	112,086	1.9%
2017	591.8	0.9%	234.3	1.2%	404.0	1.5%	13.33	0.8%	28,804	2.7%	26,764	3.2%	114,253	1.9%
2018	597.1	0.9%	237.0	1.2%	409.6	1.4%	13.43	0.7%	29,527	2.5%	27,514	2.8%	116,115	1.6%
2019	602.2	0.9%	239.7	1.2%	414.6	1.2%	13.45	0.2%	30,210	2.3%	28,234	2.6%	117,786	1.4%
2020	607.2	0.8%	242.4	1.1%	419.8	1.2%	13.45	0.0%	30,869	2.2%	28,913	2.4%	119,293	1.3%
2021	612.0	0.8%	245.0	1.1%	424.4	1.1%	13.43	-0.1%	31,508	2.1%	29,689	2.7%	121,220	1.6%
2022	616.6	0.8%	247.3	0.9%	429.1	1.1%	13.38	-0.4%	32,177	2.1%	30,371	2.3%	122,835	1.3%
2023	621.0	0.7%	249.5	0.9%	433.8	1.1%	13.31	-0.6%	32,871	2.2%	31,051	2.2%	124,486	1.3%
2024	625.4	0.7%	251.5	0.8%	437.9	1.0%	13.23	-0.6%	33,517	2.0%	31,721	2.2%	126,136	1.3%
2025	629.7	0.7%	253.4	0.8%	442.2	1.0%	13.10	-1.0%	34,153	1.9%	32,399	2.1%	127,862	1.4%
2026	633.9	0.7%	255.3	0.7%	446.6	1.0%	12.94	-1.2%	34,848	2.0%	33,097	2.2%	129,674	1.4%
2027	638.5	0.7%	257.3	0.8%	450.9	1.0%	12.82	-0.9%	35,592	2.1%	33,843	2.3%	131,563	1.5%
2028	643.3	0.8%	259.5	0.9%	455.3	1.0%	12.70	-0.9%	36,358	2.2%	34,598	2.2%	133,313	1.3%
2029	648.3	0.8%	261.9	0.9%	459.9	1.0%	12.59	-0.9%	37,182	2.3%	35,376	2.2%	135,090	1.3%
2030	653.4	0.8%	264.2	0.9%	464.6	1.0%	12.49	-0.8%	38,030	2.3%	36,097	2.0%	136,654	1.2%
2031	658.8	0.8%	266.5	0.9%	469.6	1.1%	12.40	-0.7%	38,946	2.4%	36,989	2.5%	138,806	1.6%
2032	664.3	0.8%	268.8	0.9%	475.2	1.2%	12.30	-0.8%	39,912	2.5%	37,874	2.4%	140,907	1.5%
2033	669.7	0.8%	271.2	0.9%	480.2	1.1%	12.21	-0.7%	40,858	2.4%	38,761	2.3%	142,959	1.5%
2034	675.0	0.8%	273.6	0.9%	484.7	0.9%	12.11	-0.8%	41,798	2.3%	39,639	2.3%	144,913	1.4%
2035	680.2	0.8%	276.0	0.9%	489.0	0.9%	12.01	-0.9%	42,755	2.3%	40,537	2.3%	146,912	1.4%
<b>Average Percent Change</b>														
<b>2005-2015</b>		1.3%		1.0%		0.9%		-1.8%		0.2%		1.9%		0.9%
<b>2016-2025</b>		0.8%		1.0%		1.2%		-0.1%		2.2%		2.5%		1.5%
<b>2026-2035</b>		0.8%		0.9%		1.0%		-0.9%		2.3%		2.3%		1.4%



Key West

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FMPA 2016 Load Forecast - Base Case

Keys Energy

Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	754,212	-	762,807	-	1.1%	89.7	-	85.7	-	-4.5%	131.6	-	131.2	-	-0.3%
	2007	766,179	1.6%	741,690	-2.8%	-3.2%	79.4	-11.5%	77.0	-10.1%	-3.0%	133.1	1.1%	134.1	2.2%	0.8%
	2008	774,530	1.1%	739,915	-0.2%	-4.5%	94.1	18.6%	89.9	16.7%	-4.5%	125.0	-6.1%	128.6	-4.1%	2.9%
	2009	732,928	-5.4%	733,273	-0.9%	0.0%	91.9	-2.3%	78.4	-12.8%	-14.7%	130.0	4.0%	122.3	-4.9%	-5.9%
	2010	747,958	2.1%	726,812	-0.9%	-2.8%	116.0	26.2%	100.4	28.0%	-13.5%	133.4	2.6%	131.4	7.5%	-1.5%
	2011	747,355	-0.1%	732,406	0.8%	-2.0%	76.9	-33.7%	90.3	-10.0%	17.4%	134.8	1.1%	134.4	2.3%	-0.3%
	2012	745,122	-0.3%	738,685	0.9%	-0.9%	80.6	4.7%	78.8	-12.8%	-2.2%	136.7	1.4%	140.5	4.6%	2.8%
	2013	738,003	-1.0%	739,015	0.0%	0.1%	70.6	-12.3%	81.3	3.2%	15.2%	129.6	-5.2%	130.6	-7.1%	0.8%
	2014	770,420	4.4%	738,241	-0.1%	-4.2%	75.0	6.2%	80.7	-0.7%	7.7%	132.7	2.4%	135.1	3.5%	1.8%
	2015	779,772	1.2%	752,343	1.9%	-3.5%	89.9	19.9%	83.8	3.8%	-6.8%	130.0	-2.1%	126.2	-6.6%	-2.9%
Projected	2016	768,761	-1.4%	768,761	2.2%		73.6	-18.2%	73.6	-12.2%		132.2	1.7%	132.2	4.7%	
	2017			779,410	1.4%				74.5	1.2%				133.8	1.2%	
	2018			782,656	0.4%				74.8	0.4%				134.4	0.4%	
	2019			787,611	0.6%				75.3	0.7%				135.2	0.7%	
	2020			793,499	0.7%				75.9	0.8%				136.3	0.8%	
	2021			799,568	0.8%				76.4	0.8%				137.3	0.8%	
	2022			805,125	0.7%				77.0	0.7%				138.2	0.7%	
	2023			810,002	0.6%				77.4	0.6%				139.0	0.6%	
	2024			814,622	0.6%				77.9	0.6%				139.8	0.6%	
	2025			819,252	0.6%				78.3	0.6%				140.6	0.6%	
	2026			824,033	0.6%				78.8	0.6%				141.5	0.6%	
	2027			829,187	0.6%				79.3	0.6%				142.4	0.6%	
	2028			834,539	0.6%				79.8	0.6%				143.3	0.6%	
	2029			839,498	0.6%				80.2	0.6%				144.1	0.6%	
	2030			843,857	0.5%				80.6	0.5%				144.8	0.5%	
	2031			847,689	0.5%				81.0	0.5%				145.5	0.5%	
	2032			851,435	0.4%				81.3	0.4%				146.1	0.4%	
	2033			854,976	0.4%				81.7	0.4%				146.7	0.4%	
	2034			858,374	0.4%				82.0	0.4%				147.3	0.4%	
	2035			861,754	0.4%				82.3	0.4%				147.9	0.4%	
CAGR <sup>[3]</sup>	2006-2015		0.4%		-0.2%			0.0%		-0.3%			-0.1%		-0.4%	
	2016-2025				0.7%					0.7%					0.7%	
	2026-2035				0.5%					0.5%					0.5%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Keys Energy**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	754,212	-	754,212	-	118.5	135.5	118.5	135.5	89.7	131.6	89.7	131.6
	2007	766,179	1.6%	766,179	1.6%	118.0	141.6	118.0	141.6	79.4	133.1	79.4	133.1
	2008	774,530	1.1%	774,530	1.1%	116.0	136.4	116.0	136.4	94.1	125.0	94.1	125.0
	2009	732,928	-5.4%	732,928	-5.4%	107.9	135.0	107.9	135.0	91.9	130.0	91.9	130.0
	2010	747,958	2.1%	747,958	2.1%	126.3	136.3	126.3	136.3	116.0	133.4	116.0	133.4
	2011	747,355	-0.1%	747,355	-0.1%	116.7	139.7	116.7	139.7	76.9	134.8	76.9	134.8
	2012	745,122	-0.3%	745,122	-0.3%	111.9	137.0	111.9	137.0	80.6	136.7	80.6	136.7
	2013	738,003	-1.0%	738,003	-1.0%	115.9	136.1	115.9	136.1	70.6	129.6	70.6	129.6
	2014	770,420	4.4%	770,420	4.4%	115.1	144.2	115.1	144.2	75.0	132.7	75.0	132.7
	2015	779,772	1.2%	743,606	-3.5%	124.0	146.7	114.1	135.8	89.9	130.0	76.4	129.9
Projected	2016	768,761	-1.4%	754,921	1.5%	117.8	141.6	115.4	137.4	73.6	132.2	77.3	131.4
	2017	779,410	1.4%	759,927	0.7%	119.2	143.3	116.1	138.3	74.5	133.8	77.8	132.3
	2018	782,656	0.4%	765,356	0.7%	119.8	143.9	117.0	139.3	74.8	134.4	78.4	133.2
	2019	787,611	0.6%	771,311	0.8%	120.6	144.9	117.9	140.4	75.3	135.2	79.0	134.3
	2020	793,499	0.7%	777,853	0.8%	121.5	146.0	118.9	141.6	75.9	136.3	79.7	135.4
	2021	799,568	0.8%	784,584	0.9%	122.4	147.1	119.9	142.8	76.4	137.3	80.4	136.6
	2022	805,125	0.7%	790,937	0.8%	123.2	148.1	120.9	143.9	77.0	138.2	81.0	137.7
	2023	810,002	0.6%	796,859	0.7%	123.9	149.0	121.8	145.0	77.4	139.0	81.6	138.7
	2024	814,622	0.6%	802,775	0.7%	124.6	149.8	122.7	146.1	77.9	139.8	82.2	139.7
	2025	819,252	0.6%	808,766	0.7%	125.4	150.7	123.6	147.2	78.3	140.6	82.8	140.8
	2026	824,033	0.6%	814,798	0.7%	126.1	151.5	124.5	148.3	78.8	141.5	83.4	141.8
	2027	829,187	0.6%	820,904	0.7%	126.9	152.5	125.5	149.4	79.3	142.4	84.1	142.9
	2028	834,539	0.6%	826,900	0.7%	127.7	153.5	126.4	150.5	79.8	143.3	84.7	143.9
	2029	839,498	0.6%	832,352	0.7%	128.5	154.4	127.2	151.4	80.2	144.1	85.2	144.8
	2030	843,857	0.5%	837,199	0.6%	129.1	155.1	127.9	152.3	80.6	144.8	85.7	145.7
	2031	847,689	0.5%	841,658	0.5%	129.7	155.8	128.6	153.1	81.0	145.5	86.1	146.4
	2032	851,435	0.4%	846,074	0.5%	130.2	156.5	129.2	153.9	81.3	146.1	86.6	147.2
	2033	854,976	0.4%	850,396	0.5%	130.8	157.2	129.9	154.7	81.7	146.7	87.0	147.9
	2034	858,374	0.4%	854,641	0.5%	131.3	157.8	130.5	155.4	82.0	147.3	87.5	148.7
	2035	861,754	0.4%			131.8	158.4			82.3	147.9		
CAGR <sup>[1]</sup>	Historical		0.4%		0.3%	0.5%	0.9%	-0.4%	0.8%	1.6%	-0.3%	-0.8%	0.0%
	1st 10 Prj Yrs		0.7%		0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.7%	0.8%	0.8%
	2nd 10 Prj Yrs		0.5%		0.6%	0.5%	0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Keys Energy**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	52,489	48,452	57,481	61,569	68,227	73,136	75,617	76,065	70,614	68,148	53,138	56,048	760,984	754,212
	2007	57,500	49,125	57,750	57,957	65,836	70,403	80,388	79,724	70,162	71,618	53,222	56,894	770,577	766,179
	2008	53,394	56,195	59,277	59,280	70,553	75,097	76,644	76,510	65,845	62,563	49,064	51,001	755,425	774,530
	2009	50,519	45,778	54,275	58,535	66,981	70,740	77,889	76,816	68,767	68,358	54,054	54,862	747,573	732,928
	2010	55,108	46,156	51,199	54,579	69,250	76,016	75,430	75,371	67,574	61,133	51,645	48,826	732,288	747,958
	2011	49,625	48,449	56,147	65,165	69,232	71,432	78,079	77,082	70,539	60,811	54,188	52,785	753,536	747,355
	2012	51,397	53,175	59,574	57,998	67,590	69,438	74,466	76,175	67,524	65,601	48,607	53,915	745,460	745,122
	2013	55,836	50,949	51,639	62,662	64,933	70,122	72,098	74,100	67,540	67,252	57,589	57,667	752,389	738,003
	2014	53,092	53,415	56,611	60,541	67,688	69,346	79,381	79,668	68,170	65,644	50,922	52,962	757,440	770,420
	2015	53,715	47,581	63,128	67,941	69,700	73,252	81,282	80,654	72,991	67,362	53,554	54,974	786,134	779,772
Projected	2016	55,415	50,442	55,767	61,750	64,778	73,745	79,670	79,452	71,853	66,425	54,969	56,624	770,889	768,761
	2017	56,820	51,565	56,865	62,778	65,721	74,665	80,491	80,129	72,358	66,822	55,241	56,846	780,301	779,410
	2018	57,006	51,702	57,028	62,973	65,950	74,950	80,845	80,529	72,764	67,205	55,567	57,194	783,714	782,656
	2019	57,354	52,023	57,392	63,376	66,377	75,434	81,372	81,061	73,257	67,671	55,965	57,620	788,902	787,611
	2020	57,777	52,411	57,827	63,856	66,882	76,004	81,989	81,677	73,819	68,196	56,407	58,083	794,928	793,499
	2021	58,233	52,821	58,279	64,347	67,391	76,573	82,600	82,278	74,360	68,692	56,815	58,501	800,890	799,568
	2022	58,650	53,195	58,691	64,794	67,856	77,096	83,160	82,827	74,849	69,134	57,173	58,863	806,287	805,125
	2023	59,012	53,518	59,049	65,183	68,261	77,554	83,654	83,315	75,288	69,536	57,503	59,203	811,075	810,002
	2024	59,352	53,823	59,387	65,552	68,647	77,992	84,128	83,785	75,713	69,927	57,826	59,537	815,670	814,622
	2025	59,688	54,127	59,725	65,923	69,038	78,437	84,611	84,266	76,147	70,326	58,156	59,876	820,321	819,252
Projected	2026	60,032	54,438	60,073	66,306	69,441	78,898	85,114	84,769	76,604	70,750	58,508	60,242	825,173	824,033
	2027	60,402	54,773	60,447	66,719	69,877	79,398	85,658	85,313	77,099	71,208	58,889	60,636	830,420	829,187
	2028	60,798	55,129	60,842	67,150	70,327	79,908	86,209	85,857	77,587	71,652	59,251	61,005	835,713	834,539
	2029	61,168	55,459	61,206	67,546	70,740	80,375	86,313	86,353	78,031	72,055	59,580	61,339	840,566	839,498
	2030	61,501	55,754	61,528	67,894	71,099	80,779	87,145	86,776	78,406	72,394	59,855	61,617	844,748	843,857
	2031	61,780	56,004	61,806	68,199	71,419	81,144	87,540	87,169	78,761	72,721	60,124	61,895	848,563	847,689
	2032	62,059	56,253	62,081	68,498	71,732	81,499	87,923	87,548	79,102	73,031	60,378	62,153	852,258	851,435
	2033	62,319	56,487	62,340	68,781	72,028	81,836	88,288	87,909	79,426	73,327	60,620	62,400	855,759	854,976
	2034	62,568	56,710	62,587	69,051	72,311	82,160	88,640	88,259	79,741	73,615	60,857	62,643	859,143	858,374
	2035	62,815	56,931	62,833	69,321	72,595	82,484	88,993	88,609	80,057	73,904	61,094	62,886	862,523	861,754

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	6.9%	6.4%	7.6%	8.1%	9.0%	9.6%	9.9%	10.0%	9.3%	9.0%	7.0%	7.4%	100.0%
	2007	7.5%	6.4%	7.5%	7.5%	8.5%	9.1%	10.4%	10.3%	9.1%	9.3%	6.9%	7.4%	100.0%
	2008	7.1%	7.4%	7.8%	7.8%	9.3%	9.9%	10.1%	10.1%	8.7%	8.3%	6.5%	6.8%	100.0%
	2009	6.8%	6.1%	7.3%	7.8%	9.0%	9.5%	10.4%	10.3%	9.2%	9.1%	7.2%	7.3%	100.0%
	2010	7.5%	6.3%	7.0%	7.5%	9.5%	10.4%	10.3%	10.3%	9.2%	8.3%	7.1%	6.7%	100.0%
	2011	6.6%	6.4%	7.5%	8.6%	9.2%	9.5%	10.4%	10.2%	9.4%	8.1%	7.2%	7.0%	100.0%
	2012	6.9%	7.1%	8.0%	7.8%	9.1%	9.3%	10.0%	10.2%	9.1%	8.8%	6.5%	7.2%	100.0%
	2013	7.4%	6.8%	6.9%	8.3%	8.6%	9.3%	9.6%	9.8%	9.0%	8.9%	7.7%	7.7%	100.0%
	2014	7.0%	7.1%	7.5%	8.0%	8.9%	9.2%	10.5%	10.5%	9.0%	8.7%	6.7%	7.0%	100.0%
	2015	6.8%	6.1%	8.0%	8.6%	8.9%	9.3%	10.3%	10.3%	9.3%	8.6%	6.8%	7.0%	100.0%
Projected	2016	7.2%	6.5%	7.2%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2017	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2018	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2019	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2020	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2021	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2022	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2023	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2024	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
	2025	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%
Avg.	2006-2015	7.0%	6.6%	7.5%	8.0%	9.0%	9.5%	10.2%	10.2%	9.1%	8.7%	7.0%	7.1%	100.0%
	2016-2025	7.3%	6.6%	7.3%	8.0%	8.4%	9.6%	10.3%	10.3%	9.3%	8.6%	7.1%	7.3%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Keys Energy**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	101.3	106.8	118.5	123.4	131.0	135.5	134.6	133.7	129.2	122.6	107.6	110.0	118.5	135.5
	2007	106.6	110.5	118.0	117.6	122.0	133.7	140.4	141.6	132.5	127.0	112.5	115.8	118.0	141.6
	2008	103.7	116.0	115.9	117.4	133.1	134.8	136.2	136.4	124.6	122.7	107.7	98.9	116.0	136.4
	2009	96.8	107.9	107.4	115.0	123.5	131.1	135.0	133.5	129.5	127.4	114.9	107.9	107.9	135.0
	2010	126.3	94.3	102.3	110.3	127.3	134.9	132.3	136.3	128.4	119.1	111.7	105.2	126.3	136.3
	2011	94.3	98.6	116.7	125.1	128.0	134.3	139.7	137.6	130.7	120.4	106.7	100.3	116.7	139.7
	2012	96.8	110.2	111.9	118.9	129.0	133.0	137.0	136.5	128.4	123.9	94.8	106.8	111.9	137.0
	2013	103.4	113.0	115.9	125.6	126.2	134.1	136.1	135.5	129.6	128.0	114.6	107.8	115.9	136.1
	2014	107.6	112.8	115.1	123.9	123.4	133.2	144.2	142.2	136.1	127.0	111.0	106.4	115.1	144.2
	2015	109.4	110.3	124.0	137.7	130.5	140.6	146.7	145.2	142.4	130.9	113.7	106.9	124.0	146.7
Projected	2016	101.7	113.9	117.8	122.1	130.6	136.9	141.6	140.3	134.1	126.3	109.7	108.2	117.8	141.6
	2017	103.0	115.3	119.2	123.6	132.2	138.6	143.3	142.1	135.7	127.8	111.0	108.7	119.2	143.3
	2018	103.4	115.8	119.8	124.2	132.8	139.2	143.9	142.7	136.3	128.4	111.5	109.4	119.8	143.9
	2019	104.1	116.6	120.6	125.0	133.6	140.1	144.9	143.6	137.2	129.2	112.3	110.2	120.6	144.9
	2020	104.9	117.5	121.5	125.9	134.7	141.2	146.0	144.7	138.3	130.2	113.1	111.1	121.5	146.0
	2021	105.7	118.3	122.4	126.9	135.7	142.3	147.1	145.8	139.3	131.2	114.0	111.8	122.4	147.1
	2022	106.4	119.1	123.2	127.7	136.6	143.2	148.1	146.8	140.2	132.1	114.7	112.5	123.2	148.1
	2023	107.0	119.8	123.9	128.5	137.4	144.1	149.0	147.7	141.1	132.9	115.4	113.1	123.9	149.0
	2024	107.6	120.5	124.6	129.2	138.2	144.9	149.8	148.5	141.9	133.6	116.1	113.8	124.6	149.8
	2025	108.3	121.2	125.4	130.0	139.0	145.7	150.7	149.3	142.7	134.4	116.7	114.4	125.4	150.7
Projected	2026	108.9	121.9	126.1	130.7	139.8	146.6	151.5	150.2	143.5	135.2	117.4	115.2	126.1	151.5
	2027	109.6	122.7	126.9	131.6	140.7	147.5	152.5	151.2	144.4	136.0	118.2	115.9	126.9	152.5
	2028	110.3	123.5	127.7	132.4	141.6	148.5	153.5	152.1	145.4	136.9	118.9	116.6	127.7	153.5
	2029	110.9	124.2	128.5	133.2	142.4	149.3	154.4	153.0	146.2	137.7	119.6	117.2	128.5	154.4
	2030	111.5	124.8	129.1	133.8	143.1	150.1	155.1	153.8	146.9	138.4	120.2	117.7	129.1	155.1
	2031	112.0	125.4	129.7	134.4	143.8	150.7	155.8	154.5	147.6	139.0	120.7	118.2	129.7	155.8
	2032	112.5	125.9	130.2	135.0	144.4	151.4	156.5	155.2	148.2	139.6	121.3	118.7	130.2	156.5
	2033	112.9	126.4	130.8	135.6	145.0	152.0	157.2	155.8	148.9	140.2	121.8	119.2	130.8	157.2
	2034	113.4	126.9	131.3	136.1	145.5	152.6	157.8	156.4	149.4	140.7	122.3	119.6	131.3	157.8
	2035	113.8	127.4	131.8	136.6	146.1	153.2	158.4	157.0	150.0	141.3	122.7	120.1	131.8	158.4

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										64.8%	71.8%	68.0%		
	2006	69.7%	67.5%	65.2%	67.1%	77.5%	72.5%	78.1%	76.5%	75.9%	74.7%	66.4%	70.8%	73.3%	64.1%
	2007	72.5%	66.2%	65.8%	66.2%	80.3%	70.8%	79.5%	75.7%	73.5%	75.8%	63.6%	68.3%	74.5%	62.1%
	2008	69.2%	69.6%	68.7%	67.8%	78.9%	74.9%	78.2%	75.4%	73.4%	68.5%	61.2%	71.6%	74.3%	63.2%
	2009	70.2%	63.1%	67.9%	68.4%	80.7%	72.5%	80.1%	77.3%	73.8%	72.1%	63.3%	70.6%	79.1%	63.2%
	2010	58.7%	72.8%	67.2%	66.5%	80.9%	75.7%	79.2%	74.3%	73.1%	69.0%	62.2%	64.5%	66.2%	61.3%
	2011	70.8%	73.1%	64.7%	70.0%	80.5%	71.5%	77.6%	75.3%	75.0%	67.9%	68.3%	73.1%	73.7%	61.6%
	2012	71.4%	69.3%	71.6%	65.6%	78.0%	70.2%	75.5%	75.0%	73.1%	71.2%	68.9%	70.1%	76.1%	62.1%
	2013	72.5%	67.1%	59.9%	67.1%	76.6%	70.3%	73.6%	73.5%	72.4%	70.6%	67.5%	74.3%	74.1%	63.1%
	2014	66.3%	70.4%	66.1%	65.7%	81.6%	70.0%	76.5%	75.3%	69.6%	69.5%	61.7%	69.1%	75.1%	60.0%
	2015	66.0%	64.2%	68.4%	66.3%	79.5%	70.0%	76.9%	74.6%	71.2%	69.2%	63.3%	71.4%	72.4%	61.2%
Projected	2016	73.2%	63.6%	63.6%	68.0%	73.8%	72.4%	78.2%	76.1%	74.4%	70.7%	67.4%	72.7%	74.7%	62.2%
	2017	74.2%	66.6%	64.1%	68.3%	74.0%	72.4%	78.0%	75.8%	74.0%	70.3%	66.9%	72.6%	74.7%	62.2%
	2018	74.1%	66.4%	64.0%	68.2%	73.9%	72.4%	78.0%	75.9%	74.1%	70.4%	67.0%	72.6%	74.7%	62.2%
	2019	74.0%	66.4%	64.0%	68.2%	73.9%	72.3%	78.0%	75.9%	74.1%	70.4%	67.0%	72.6%	74.7%	62.2%
	2020	74.0%	64.1%	64.0%	68.2%	73.9%	72.3%	78.0%	75.9%	74.1%	70.4%	67.0%	72.6%	74.7%	62.2%
	2021	74.0%	66.4%	64.0%	68.2%	73.9%	72.3%	78.0%	75.8%	74.1%	70.4%	67.0%	72.7%	74.7%	62.2%
	2022	74.1%	66.4%	64.0%	68.2%	73.9%	72.3%	78.0%	75.8%	74.1%	70.4%	67.0%	72.7%	74.7%	62.2%
	2023	74.1%	66.5%	64.0%	68.2%	73.9%	72.3%	78.0%	75.8%	74.1%	70.3%	67.0%	72.7%	74.7%	62.2%
	2024	74.1%	64.2%	64.0%	68.2%	73.9%	72.3%	78.0%	75.8%	74.1%	70.3%	67.0%	72.7%	74.7%	62.2%
	2025	74.1%	66.5%	64.0%	68.2%	73.9%	72.3%	78.0%	75.8%	74.1%	70.3%	67.0%	72.7%	74.7%	62.2%
Avg.	2006-2015	68.7%	68.3%	66.6%	67.1%	79.5%	71.8%	77.5%	75.3%	73.1%	70.8%	64.6%	70.4%	73.9%	62.2%
	2016-2025	74.0%	65.7%	64.0%	68.2%	73.9%	72.4%	78.0%	75.9%	74.2%	70.4%	67.0%	72.7%	74.7%	62.2%



FMPA 2016 Load Forecast - Base Case  
**Keys Energy**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	69.8	89.7	113.6	117.7	120.9	125.9	129.2	131.6	126.8	107.7	100.3	100.6	89.7	131.6
	2007	67.1	79.4	98.1	109.4	120.6	120.8	135.3	133.1	129.2	121.0	112.3	97.9	79.4	133.1
	2008	94.1	68.2	107.7	111.8	127.9	128.4	129.5	125.0	120.7	106.3	103.5	62.6	94.1	125.0
	2009	81.5	91.9	68.5	95.1	113.7	130.0	132.0	120.1	123.0	126.9	114.9	67.1	91.9	130.0
	2010	116.0	75.9	83.2	98.2	103.4	133.4	130.9	133.1	118.6	119.1	111.7	76.9	116.0	133.4
	2011	82.2	68.3	107.3	121.7	118.4	132.0	132.1	134.8	122.6	118.3	104.2	90.4	76.9	134.8
	2012	80.6	76.0	104.5	113.9	128.6	128.3	136.7	133.8	120.6	120.3	90.4	65.1	80.6	136.7
	2013	63.7	73.2	70.6	119.2	125.6	128.1	112.3	129.6	126.1	120.4	114.5	107.2	70.6	129.6
	2014	75.0	61.9	95.0	123.5	114.2	127.8	132.9	132.7	119.7	125.3	59.4	64.4	75.0	132.7
	2015	65.6	89.9	112.1	122.1	130.4	130.0	139.0	123.9	140.4	127.7	101.5	83.7	89.9	130.0
Projected	2016	73.6	77.3	98.8	117.2	126.5	131.1	132.2	132.2	126.5	123.2	97.9	84.7	73.6	132.2
	2017	74.5	78.3	100.0	118.6	128.0	132.7	133.8	133.8	128.0	124.8	99.1	85.1	74.5	133.8
	2018	74.8	78.6	100.4	119.1	128.6	133.3	134.4	134.4	128.6	125.3	99.6	85.6	74.8	134.4
	2019	75.3	79.1	101.1	119.9	129.4	134.2	135.3	135.2	129.4	126.1	100.2	86.3	75.3	135.2
	2020	75.9	79.7	101.9	120.8	130.4	135.2	136.3	136.3	130.4	127.1	101.0	86.9	75.9	136.3
	2021	76.4	80.3	102.6	121.8	131.4	136.2	137.4	137.3	131.4	128.0	101.7	87.5	76.4	137.3
	2022	77.0	80.9	103.3	122.6	132.3	137.1	138.3	138.2	132.3	128.9	102.4	88.1	77.0	138.2
	2023	77.4	81.4	103.9	123.3	133.1	138.0	139.1	139.0	133.1	129.7	103.0	88.6	77.4	139.0
	2024	77.9	81.8	104.5	124.0	133.8	138.7	139.9	139.8	133.8	130.4	103.6	89.1	77.9	139.8
Projected	2025	78.3	82.3	105.1	124.7	134.6	139.5	140.7	140.6	134.6	131.1	104.2	89.6	78.3	140.6
	2026	78.8	82.8	105.7	125.4	135.4	140.4	141.5	141.5	135.4	131.9	104.8	90.2	78.8	141.5
	2027	79.3	83.3	106.4	126.2	136.2	141.2	142.4	142.4	136.2	132.8	105.5	90.7	79.3	142.4
	2028	79.8	83.8	107.1	127.0	137.1	142.1	143.3	143.3	137.1	133.6	106.2	91.3	79.8	143.3
	2029	80.2	84.3	107.7	127.8	137.9	143.0	144.2	144.1	137.9	134.4	106.8	91.7	80.2	144.1
	2030	80.6	84.7	108.2	128.4	138.6	143.7	144.9	144.8	138.6	135.1	107.3	92.1	80.6	144.8
	2031	81.0	85.1	108.7	129.0	139.2	144.3	145.5	145.5	139.2	135.7	107.8	92.5	81.0	145.5
	2032	81.3	85.5	109.2	129.6	139.8	145.0	146.2	146.1	139.8	136.3	108.3	92.9	81.3	146.1
	2033	81.7	85.8	109.6	130.1	140.4	145.6	146.8	146.7	140.4	136.8	108.7	93.3	81.7	146.7
	2034	82.0	86.2	110.1	130.6	141.0	146.1	147.3	147.3	141.0	137.4	109.1	93.6	82.0	147.3
	2035	82.3	86.5	110.5	131.1	141.5	146.7	147.9	147.9	141.5	137.9	109.6	94.0	82.3	147.9

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.0%	98.8%	61.1%		
	2006	69.0%	84.0%	95.8%	95.4%	92.3%	92.9%	96.0%	98.4%	98.2%	87.9%	93.2%	91.5%	75.7%	97.1%
	2007	62.9%	71.9%	83.1%	93.0%	98.8%	90.3%	96.4%	94.0%	97.5%	95.2%	99.8%	84.5%	67.3%	94.0%
	2008	90.8%	58.8%	92.9%	95.2%	96.1%	95.2%	95.1%	91.6%	96.9%	86.6%	96.1%	63.2%	81.1%	91.6%
	2009	84.3%	85.2%	63.8%	82.7%	92.1%	99.2%	97.8%	90.0%	95.0%	99.6%	100.0%	62.2%	85.2%	96.3%
	2010	91.9%	80.5%	81.3%	89.0%	81.2%	98.8%	98.9%	97.7%	92.3%	100.0%	100.0%	73.1%	91.9%	97.9%
	2011	87.2%	69.3%	92.0%	97.3%	92.5%	98.3%	94.5%	97.9%	93.8%	98.2%	97.6%	90.2%	65.9%	96.5%
	2012	83.2%	68.9%	93.4%	95.8%	99.7%	96.5%	99.7%	98.1%	94.0%	97.1%	95.3%	61.0%	72.0%	99.7%
	2013	61.6%	64.8%	60.9%	94.9%	99.6%	95.5%	82.5%	95.6%	97.3%	94.1%	99.9%	99.4%	60.9%	95.2%
Projected	2014	69.7%	54.9%	82.5%	99.7%	92.5%	96.0%	92.1%	93.3%	87.9%	98.6%	53.5%	60.6%	65.2%	92.0%
	2015	60.0%	81.6%	90.4%	88.6%	100.0%	92.5%	94.7%	85.3%	98.6%	97.6%	89.3%	78.3%	72.5%	88.6%
	2016	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2017	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2018	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2019	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2020	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2021	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2022	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2023	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2024	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
	2025	72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%
2006-2015		76.0%	72.0%	83.6%	93.2%	94.5%	95.5%	94.8%	94.2%	95.1%	95.5%	92.5%	76.4%	73.8%	94.9%
2016-2025		72.3%	67.9%	83.8%	96.0%	96.8%	95.7%	93.4%	94.2%	94.3%	97.6%	89.3%	78.3%	62.5%	93.3%

# FMPA 2016 Load Forecast - Base Case - Keys

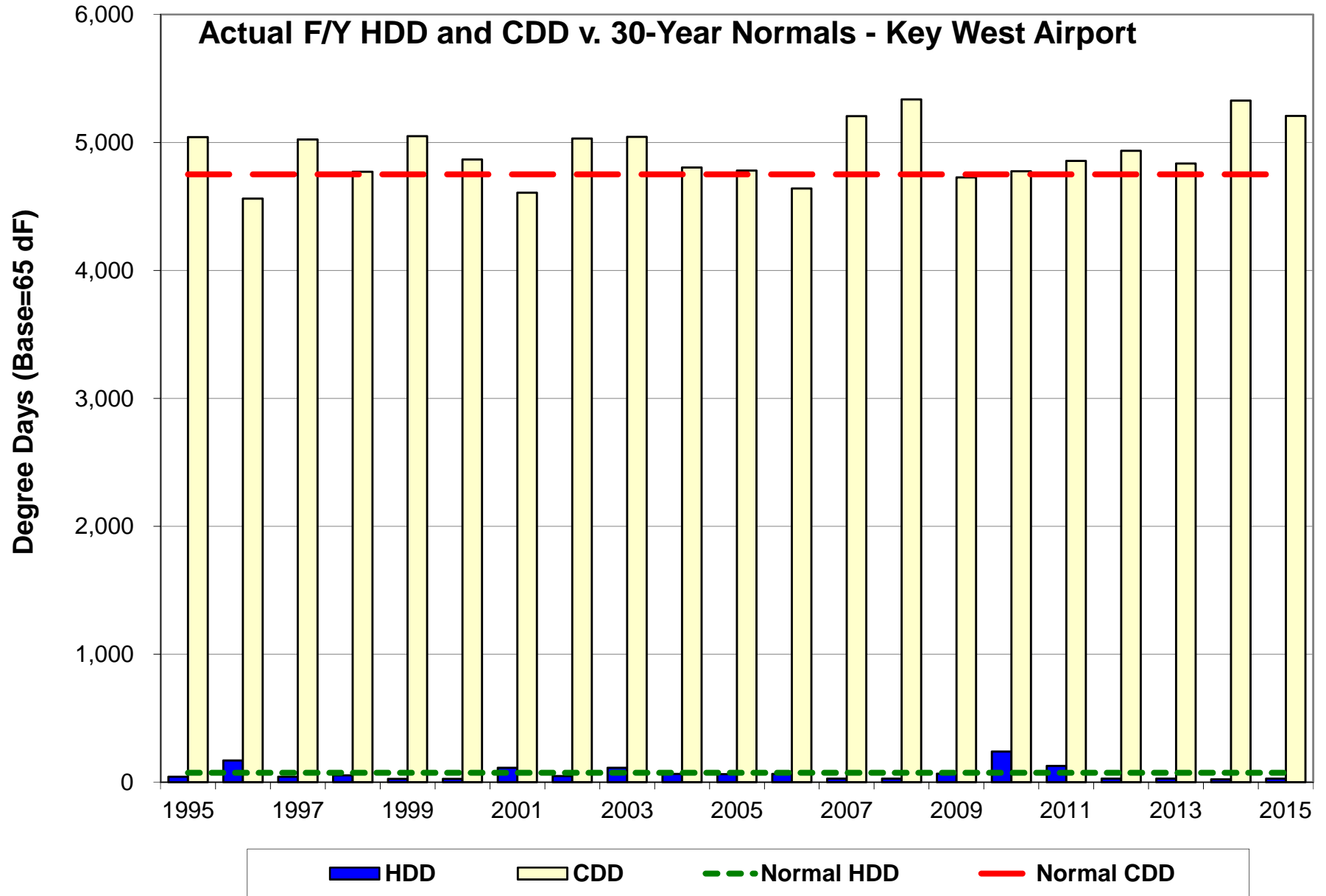
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

	Fiscal Year	Residential						General Service						Navy		Lights		TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg		(MWh)	% Chg
																				(MWh)	(MWh)	
Historical	2006	326,255		24,087		13,545		308,761		3,738		82.6		64,737		4,371		704,124		50,087	754,212	
	2007	326,085	-0.1%	24,057	-0.1%	13,555	0.1%	309,380	0.2%	3,789	1.4%	81.7	-1.2%	66,558	2.8%	4,323	-1.1%	706,346	0.3%	59,833	766,179	1.6%
	2008	342,058	4.9%	24,084	0.1%	14,203	4.8%	323,864	4.7%	3,905	3.1%	82.9	1.5%	69,585	4.5%	4,217	-2.4%	739,724	4.7%	34,806	774,530	1.1%
	2009	310,120	-9.3%	24,093	0.0%	12,872	-9.4%	300,227	-7.3%	3,945	1.0%	76.1	-8.2%	68,353	-1.8%	4,184	-0.8%	682,884	-7.7%	50,044	732,928	-5.4%
	2010	332,705	7.3%	24,279	0.8%	13,704	6.5%	306,775	2.2%	3,969	0.6%	77.3	1.6%	64,149	-6.2%	4,201	0.4%	707,831	3.7%	40,127	747,958	2.1%
	2011	327,810	-1.5%	24,480	0.8%	13,391	-2.3%	307,356	0.2%	4,043	1.9%	76.0	-1.6%	60,740	-5.3%	3,897	-7.3%	699,803	-1.1%	47,552	747,355	-0.1%
	2012	328,870	0.3%	24,669	0.8%	13,331	-0.4%	313,658	2.1%	4,149	2.6%	75.6	-0.6%	59,646	-1.8%	3,461	-11.2%	705,634	0.8%	39,488	745,122	-0.3%
	2013	326,921	-0.6%	24,821	0.6%	13,171	-1.2%	309,858	-1.2%	4,203	1.3%	73.7	-2.5%	55,799	-6.4%	2,934	-15.2%	695,513	-1.4%	42,490	738,003	-1.0%
	2014	355,491	8.7%	25,122	1.2%	14,150	7.4%	316,879	2.3%	4,206	0.1%	75.3	2.2%	51,776	-7.2%	2,850	-2.9%	726,995	4.5%	43,425	770,420	4.4%
	2015	358,733	0.9%	25,394	1.1%	14,127	-0.2%	316,208	-0.2%	4,250	1.0%	74.4	-1.2%	52,303	1.0%	2,832	-0.6%	730,075	0.4%	49,697	779,772	1.2%
Projected	2016	353,758	-1.4%	25,445	0.2%	13,903	-1.6%	318,563	0.7%	4,288	0.9%	74.3	-0.1%	49,425	-5.5%	2,841	0.3%	724,587	-0.8%	44,174	768,761	-1.4%
	2017	358,342	1.3%	25,479	0.1%	14,064	1.2%	325,028	2.0%	4,300	0.3%	75.6	1.8%	48,424	-2.0%	2,812	-1.0%	734,605	1.4%	44,805	779,410	1.4%
	2018	358,941	0.2%	25,562	0.3%	14,042	-0.2%	328,089	0.9%	4,313	0.3%	76.1	0.6%	47,873	-1.1%	2,784	-1.0%	737,688	0.4%	44,968	782,656	0.4%
	2019	360,252	0.4%	25,650	0.3%	14,045	0.0%	331,876	1.2%	4,328	0.3%	76.7	0.8%	47,469	-0.8%	2,757	-1.0%	742,354	0.6%	45,258	787,611	0.6%
	2020	362,044	0.5%	25,736	0.3%	14,067	0.2%	335,975	1.2%	4,344	0.4%	77.3	0.9%	47,151	-0.7%	2,729	-1.0%	747,898	0.7%	45,600	793,499	0.7%
	2021	364,289	0.6%	25,819	0.3%	14,109	0.3%	339,743	1.1%	4,359	0.4%	77.9	0.8%	46,887	-0.6%	2,702	-1.0%	753,620	0.8%	45,948	799,568	0.8%
	2022	366,830	0.7%	25,899	0.3%	14,164	0.4%	342,693	0.9%	4,375	0.4%	78.3	0.5%	46,662	-0.5%	2,675	-1.0%	758,860	0.7%	46,265	805,125	0.7%
	2023	369,158	0.6%	25,975	0.3%	14,212	0.3%	345,188	0.7%	4,390	0.3%	78.6	0.4%	46,466	-0.4%	2,648	-1.0%	763,460	0.6%	46,542	810,002	0.6%
	2024	371,292	0.6%	26,048	0.3%	14,254	0.3%	347,611	0.7%	4,405	0.3%	78.9	0.4%	46,292	-0.4%	2,621	-1.0%	767,816	0.6%	46,806	814,622	0.6%
	2025	373,488	0.6%	26,118	0.3%	14,300	0.3%	349,960	0.7%	4,419	0.3%	79.2	0.3%	46,135	-0.3%	2,595	-1.0%	772,179	0.6%	47,073	819,252	0.6%
	2026	375,750	0.6%	26,185	0.3%	14,350	0.3%	352,371	0.7%	4,433	0.3%	79.5	0.4%	45,994	-0.3%	2,569	-1.0%	776,684	0.6%	47,349	824,033	0.6%
	2027	378,184	0.6%	26,250	0.2%	14,407	0.4%	354,949	0.7%	4,446	0.3%	79.8	0.4%	45,864	-0.3%	2,544	-1.0%	781,540	0.6%	47,647	829,187	0.6%
	2028	380,827	0.7%	26,312	0.2%	14,473	0.5%	357,496	0.7%	4,459	0.3%	80.2	0.4%	45,744	-0.3%	2,518	-1.0%	786,585	0.6%	47,954	834,539	0.6%
	2029	383,360	0.7%	26,372	0.2%	14,536	0.4%	359,775	0.6%	4,471	0.3%	80.5	0.4%	45,633	-0.2%	2,493	-1.0%	791,261	0.6%	48,237	839,498	0.6%
	2030	385,572	0.6%	26,430	0.2%	14,588	0.4%	361,804	0.6%	4,483	0.3%	80.7	0.3%	45,530	-0.2%	2,468	-1.0%	795,374	0.5%	48,483	843,857	0.5%
	2031	387,519	0.5%	26,486	0.2%	14,631	0.3%	363,592	0.5%	4,495	0.3%	80.9	0.2%	45,433	-0.2%	2,443	-1.0%	798,987	0.5%	48,702	847,689	0.5%
	2032	389,388	0.5%	26,540	0.2%	14,672	0.3%	365,370	0.5%	4,505	0.2%	81.1	0.2%	45,342	-0.2%	2,419	-1.0%	802,519	0.4%	48,917	851,435	0.4%
	2033	391,242	0.5%	26,591	0.2%	14,713	0.3%	366,965	0.4%	4,516	0.2%	81.3	0.2%	45,256	-0.2%	2,395	-1.0%	805,857	0.4%	49,119	854,976	0.4%
	2034	393,042	0.5%	26,642	0.2%	14,753	0.3%	368,473	0.4%	4,526	0.2%	81.4	0.2%	45,174	-0.2%	2,371	-1.0%	809,060	0.4%	49,314	858,374	0.4%
	2035	394,842	0.5%	26,690	0.2%	14,794	0.3%	369,961	0.4%	4,536	0.2%	81.6	0.2%	45,097	-0.2%	2,347	-1.0%	812,246	0.4%	49,508	861,754	0.4%
CAGR	2006-2015		1.1%		0.6%		0.5%		0.3%		1.4%		-1.2%		-2.3%		-4.7%		0.4%			0.4%
	2016-2025		0.6%				0.3%		1.0%		0.3%		0.7%				-1.0%		0.7%			0.7%
	2026-2035		0.6%		0.2%		0.3%		0.5%		0.3%		0.3%		-0.2%		-1.0%		0.5%			0.5%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Key West (Monroe County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	81.7	-	35.0	-	47.5	-	0.40	-	2,112	-	2,967	-	84,824	-
1996	81.5	-0.2%	35.1	0.3%	48.7	2.7%	0.48	21.6%	2,206	4.4%	3,037	2.3%	86,519	2.0%
1997	81.1	-0.5%	35.1	-0.1%	50.5	3.7%	0.56	15.5%	2,279	3.3%	3,139	3.4%	89,508	3.5%
1998	81.0	-0.1%	35.1	0.2%	52.5	3.9%	0.52	-7.5%	2,344	2.8%	3,412	8.7%	97,127	8.5%
1999	80.1	-1.1%	35.3	0.6%	52.2	-0.5%	0.45	-12.3%	2,405	2.6%	3,411	0.0%	96,552	-0.6%
2000	79.5	-0.7%	35.3	0.0%	53.8	3.0%	0.44	-1.9%	2,391	-0.6%	3,655	7.2%	103,462	7.2%
2001	79.1	-0.5%	35.6	0.7%	54.6	1.5%	0.38	-14.3%	2,488	4.1%	3,604	-1.4%	101,309	-2.1%
2002	78.9	-0.3%	35.9	0.8%	54.4	-0.4%	0.37	-3.9%	2,416	-2.9%	3,527	-2.1%	98,347	-2.9%
2003	78.7	-0.3%	36.2	0.9%	55.6	2.2%	0.31	-14.0%	2,563	6.1%	3,634	3.0%	100,386	2.1%
2004	77.8	-1.2%	36.0	-0.7%	55.6	0.0%	0.32	2.7%	2,589	1.0%	3,927	8.1%	109,227	8.8%
2005	76.0	-2.3%	35.3	-1.8%	56.0	0.8%	0.31	-4.6%	2,607	0.7%	4,238	7.9%	120,084	9.9%
2006	73.9	-2.8%	34.3	-2.9%	56.6	0.9%	0.32	2.5%	2,595	-0.5%	4,564	7.7%	133,219	10.9%
2007	73.0	-1.2%	33.8	-1.5%	56.7	0.3%	0.32	0.4%	2,620	1.0%	4,623	1.3%	136,961	2.8%
2008	72.7	-0.4%	33.4	-1.0%	55.7	-1.9%	0.27	-13.8%	2,640	0.8%	4,361	-5.7%	130,449	-4.8%
2009	72.7	-0.1%	33.1	-1.1%	53.5	-3.8%	0.26	-6.3%	2,446	-7.4%	3,919	-10.1%	118,523	-9.1%
2010	73.2	0.8%	32.6	-1.4%	55.0	2.7%	0.21	-16.8%	2,515	2.8%	4,047	3.3%	124,157	4.8%
2011	74.1	1.2%	32.7	0.4%	55.3	0.6%	0.20	-5.6%	2,507	-0.3%	4,018	-0.7%	122,763	-1.1%
2012	75.0	1.2%	32.9	0.6%	57.0	3.0%	0.21	5.2%	2,542	1.4%	4,193	4.3%	127,371	3.8%
2013	76.6	2.1%	33.2	0.7%	58.2	2.1%	0.23	7.2%	2,588	1.8%	4,159	-0.8%	125,397	-1.5%
2014	77.2	0.8%	33.3	0.5%	59.2	1.7%	0.38	66.7%	2,639	1.9%	4,298	3.4%	128,993	2.9%
2015	77.9	0.9%	33.7	1.2%	60.5	2.2%	0.41	9.7%	3,170	20.2%	4,439	3.3%	131,661	2.1%
2016	78.7	1.0%	34.1	1.3%	62.2	2.8%	0.51	22.4%	3,510	10.7%	4,576	3.1%	134,051	1.8%
2017	79.5	1.1%	34.5	1.1%	63.3	1.9%	0.51	0.7%	3,680	4.9%	4,671	2.1%	135,341	1.0%
2018	80.3	0.9%	34.9	1.0%	64.5	1.8%	0.52	1.2%	3,851	4.6%	4,787	2.5%	137,330	1.5%
2019	81.0	0.9%	35.2	0.9%	65.6	1.7%	0.52	0.8%	4,014	4.2%	4,924	2.8%	139,909	1.9%
2020	81.6	0.8%	35.5	0.9%	66.8	1.8%	0.53	0.6%	4,174	4.0%	5,066	2.9%	142,669	2.0%
2021	82.2	0.7%	35.8	0.8%	67.8	1.6%	0.53	0.5%	4,318	3.4%	5,183	2.3%	144,791	1.5%
2022	82.8	0.7%	36.1	0.7%	68.8	1.5%	0.53	0.0%	4,456	3.2%	5,281	1.9%	146,486	1.2%
2023	83.3	0.6%	36.3	0.6%	69.8	1.4%	0.52	-0.7%	4,588	3.0%	5,381	1.9%	148,398	1.3%
2024	83.8	0.6%	36.4	0.5%	70.8	1.4%	0.52	-0.3%	4,714	2.7%	5,480	1.8%	150,362	1.3%
2025	84.3	0.6%	36.6	0.5%	71.7	1.3%	0.52	-0.6%	4,832	2.5%	5,582	1.9%	152,396	1.4%
2026	84.8	0.6%	36.8	0.5%	72.6	1.3%	0.52	-0.5%	4,960	2.6%	5,695	2.0%	154,753	1.5%
2027	85.2	0.6%	37.0	0.5%	73.5	1.2%	0.51	-0.5%	5,093	2.7%	5,817	2.1%	157,313	1.7%
2028	85.7	0.5%	37.2	0.6%	74.3	1.2%	0.51	-0.7%	5,219	2.5%	5,929	1.9%	159,337	1.3%
2029	86.1	0.5%	37.5	0.6%	75.2	1.1%	0.50	-1.0%	5,336	2.3%	6,038	1.8%	161,214	1.2%
2030	86.5	0.5%	37.7	0.6%	75.9	1.0%	0.50	-1.2%	5,451	2.1%	6,131	1.5%	162,759	1.0%
2031	86.9	0.4%	37.8	0.5%	76.6	1.0%	0.49	-1.4%	5,561	2.0%	6,232	1.6%	164,674	1.2%
2032	87.2	0.3%	38.0	0.5%	77.3	0.9%	0.48	-2.0%	5,656	1.7%	6,325	1.5%	166,295	1.0%
2033	87.4	0.3%	38.2	0.3%	78.0	0.9%	0.47	-1.6%	5,757	1.8%	6,415	1.4%	168,097	1.1%
2034	87.6	0.2%	38.3	0.4%	78.6	0.8%	0.47	-1.6%	5,857	1.7%	6,506	1.4%	169,876	1.1%
2035	87.8	0.2%	38.4	0.4%	79.3	0.8%	0.46	-1.7%	5,961	1.8%	6,599	1.4%	171,658	1.0%
<b>Average Percent Change</b>														
<b>2005-2015</b>				-0.5%		0.8%		3.0%		2.0%		0.5%		0.9%
<b>2016-2025</b>				0.8%		1.6%		0.2%		3.6%		2.2%		1.4%
<b>2026-2035</b>				0.5%		1.0%		-1.2%		2.1%		1.7%		1.2%



Kissimmee

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FMPA 2016 Load Forecast - Base Case  
**Kissimmee Utility Auth.**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	1,444,594	-	1,437,882	-	-0.5%	277.0	-	270.0	-	-2.5%	313.0	-	326.2		4.2%
	2007	1,453,502	0.6%	1,454,708	1.2%	0.1%	250.0	-9.7%	264.4	-2.0%	5.8%	321.0	2.6%	321.6	-1.4%	0.2%
	2008	1,448,820	-0.3%	1,458,955	0.3%	0.7%	264.0	5.6%	258.7	-2.2%	-2.0%	310.0	-3.4%	315.0	-2.0%	1.6%
	2009	1,390,670	-4.0%	1,384,450	-5.1%	-0.4%	275.7	4.4%	254.8	-1.5%	-7.6%	312.1	0.7%	315.1	0.0%	1.0%
	2010	1,430,141	2.8%	1,360,708	-1.7%	-4.9%	314.4	14.0%	277.8	9.0%	-11.6%	303.2	-2.9%	304.0	-3.5%	0.3%
	2011	1,410,602	-1.4%	1,361,279	0.0%	-3.5%	297.8	-5.3%	288.0	3.7%	-3.3%	316.0	4.2%	313.1	3.0%	-0.9%
	2012	1,384,319	-1.9%	1,393,962	2.4%	0.7%	245.8	-17.5%	248.7	-13.6%	1.1%	302.6	-4.2%	334.8	6.9%	10.6%
	2013	1,393,491	0.7%	1,397,613	0.3%	0.3%	242.8	-1.2%	231.3	-7.0%	-4.7%	306.8	1.4%	326.7	-2.4%	6.5%
	2014	1,442,316	3.5%	1,419,121	1.5%	-1.6%	241.4	-0.6%	289.9	25.4%	20.1%	326.9	6.5%	320.5	-1.9%	-2.0%
	2015	1,508,124	4.6%	1,460,526	2.9%	-3.2%	264.5	9.6%	239.7	-17.3%	-9.4%	330.5	1.1%	340.2	6.1%	2.9%
Projected	2016	1,511,679	0.2%	1,511,679	3.5%		271.3	2.6%	271.3	13.2%		336.1	1.7%	336.1	-1.2%	
	2017			1,537,992	1.7%				275.4	1.5%				341.2	1.5%	
	2018			1,562,830	1.6%				279.9	1.6%				346.8	1.6%	
	2019			1,590,271	1.8%				284.9	1.8%				353.0	1.8%	
	2020			1,624,721	2.2%				291.3	2.2%				360.9	2.2%	
	2021			1,657,473	2.0%				297.2	2.0%				368.2	2.0%	
	2022			1,693,268	2.2%				303.6	2.1%				376.1	2.1%	
	2023			1,727,578	2.0%				309.6	2.0%				383.6	2.0%	
	2024			1,763,897	2.1%				316.1	2.1%				391.6	2.1%	
	2025			1,794,606	1.7%				321.6	1.7%				398.4	1.7%	
	2026			1,827,854	1.9%				327.5	1.8%				405.7	1.8%	
	2027			1,860,628	1.8%				333.3	1.8%				412.9	1.8%	
	2028			1,895,677	1.9%				339.5	1.9%				420.6	1.9%	
	2029			1,923,867	1.5%				344.5	1.5%				426.8	1.5%	
	2030			1,954,526	1.6%				349.9	1.6%				433.5	1.6%	
	2031			1,983,111	1.5%				355.0	1.4%				439.8	1.4%	
	2032			2,015,675	1.6%				360.9	1.7%				447.1	1.7%	
	2033			2,043,708	1.4%				365.9	1.4%				453.4	1.4%	
	2034			2,075,312	1.5%				371.6	1.5%				460.3	1.5%	
	2035			2,106,860	1.5%				377.2	1.5%				467.3	1.5%	
CAGR <sup>[3]</sup>	2006-2015		0.5%		0.2%			-0.5%		-1.3%			0.6%		0.5%	
	2016-2025				1.9%					1.9%					1.9%	
	2026-2035				1.6%					1.6%					1.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Kissimmee Utility Auth.**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	1,444,594	-	1,444,594	-	278.0	320.0	278.0	320.0	277.0	313.0	277.0	313.0
	2007	1,453,502	0.6%	1,453,502	0.6%	250.0	326.0	250.0	326.0	250.0	321.0	250.0	321.0
	2008	1,448,820	-0.3%	1,448,820	-0.3%	264.0	316.0	264.0	316.0	264.0	310.0	264.0	310.0
	2009	1,390,670	-4.0%	1,390,670	-4.0%	277.1	316.5	277.1	316.5	275.7	312.1	275.7	312.1
	2010	1,430,141	2.8%	1,430,141	2.8%	315.4	311.6	315.4	311.6	314.4	303.2	314.4	303.2
	2011	1,410,602	-1.4%	1,410,602	-1.4%	297.8	316.0	297.8	316.0	297.8	316.0	297.8	316.0
	2012	1,384,319	-1.9%	1,384,319	-1.9%	246.5	310.4	246.5	310.4	245.8	302.6	245.8	302.6
	2013	1,393,491	0.7%	1,393,491	0.7%	242.8	314.1	242.8	314.1	242.8	306.8	242.8	306.8
	2014	1,442,316	3.5%	1,442,316	3.5%	250.2	326.9	250.2	326.9	241.4	326.9	241.4	326.9
	2015	1,508,124	4.6%	1,465,226	1.6%	264.5	334.8	294.4	329.3	264.5	330.5	285.4	325.7
Projected	2016	1,511,679	0.2%	1,501,390	2.5%	283.3	339.0	301.3	337.0	271.3	336.1	292.1	333.3
	2017	1,537,992	1.7%	1,527,982	1.8%	287.6	344.1	306.7	343.0	275.4	341.2	297.3	339.2
	2018	1,562,830	1.6%	1,560,607	2.1%	292.3	349.8	313.4	350.5	279.9	346.8	303.8	346.6
	2019	1,590,271	1.8%	1,596,808	2.3%	297.6	356.1	320.7	358.7	284.9	353.0	310.9	354.7
	2020	1,624,721	2.2%	1,635,027	2.4%	304.2	364.0	328.2	367.1	291.3	360.9	318.2	363.0
	2021	1,657,473	2.0%	1,665,420	1.9%	310.3	371.4	334.2	373.9	297.2	368.2	324.0	369.7
	2022	1,693,268	2.2%	1,698,551	2.0%	317.0	379.3	340.8	381.3	303.6	376.1	330.4	377.0
	2023	1,727,578	2.0%	1,732,183	2.0%	323.3	386.9	347.6	388.8	309.6	383.6	337.0	384.5
	2024	1,763,897	2.1%	1,769,230	2.1%	330.1	395.0	355.0	397.1	316.1	391.6	344.2	392.7
	2025	1,794,606	1.7%	1,800,712	1.8%	335.8	401.8	361.3	404.2	321.6	398.4	350.3	399.7
	2026	1,827,854	1.9%	1,835,626	1.9%	342.0	409.2	368.3	412.0	327.5	405.7	357.1	407.4
	2027	1,860,628	1.8%	1,869,913	1.9%	348.0	416.5	375.1	419.6	333.3	412.9	363.6	414.9
	2028	1,895,677	1.9%	1,906,660	2.0%	354.5	424.3	382.5	427.8	339.5	420.6	370.8	423.1
	2029	1,923,867	1.5%	1,937,879	1.6%	359.8	430.5	388.7	434.8	344.5	426.8	376.8	429.9
	2030	1,954,526	1.6%	1,972,269	1.8%	365.4	437.3	395.6	442.5	349.9	433.5	383.5	437.6
	2031	1,983,111	1.5%	2,007,108	1.8%	370.7	443.6	402.6	450.3	355.0	439.8	390.3	445.3
	2032	2,015,675	1.6%	2,045,451	1.9%	376.9	451.0	410.2	458.9	360.9	447.1	397.7	453.7
	2033	2,043,708	1.4%	2,076,633	1.5%	382.1	457.3	416.5	465.8	365.9	453.4	403.7	460.6
	2034	2,075,312	1.5%	2,111,852	1.7%	388.0	464.3	423.5	473.7	371.6	460.3	410.6	468.5
	2035	2,106,860	1.5%			393.9	471.3			377.2	467.3		
CAGR <sup>[1]</sup>	Historical		0.5%		0.0%	-0.6%	0.5%	-1.3%	0.3%	0.7%	0.4%	-0.5%	0.3%
	1st 10 Prj Yrs		1.9%		2.0%	1.9%	1.9%	2.1%	2.1%	1.9%	1.9%	2.1%	2.1%
	2nd 10 Prj Yrs		1.6%		1.8%	1.6%	1.6%	1.8%	1.8%	1.6%	1.6%	1.8%	1.8%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Kissimmee Utility Auth.**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	100,513	95,519	101,956	113,420	129,111	138,775	151,847	157,392	137,680	120,571	98,050	103,412	1,448,246	1,444,594
	2007	102,926	96,994	104,297	108,223	123,456	138,025	152,760	165,272	139,516	131,564	97,945	104,420	1,465,398	1,453,502
	2008	104,733	96,907	103,207	108,291	132,455	141,121	143,280	146,615	138,282	114,995	95,126	98,600	1,423,612	1,448,820
	2009	102,071	92,536	98,559	103,583	124,080	140,808	142,342	147,026	130,943	124,357	92,543	97,665	1,396,514	1,390,670
	2010	119,447	99,964	95,649	95,922	128,712	142,956	151,242	147,740	133,944	111,924	90,390	119,267	1,437,157	1,430,141
	2011	99,949	87,150	96,959	114,800	119,139	136,792	148,878	150,303	135,051	106,394	92,689	94,453	1,382,557	1,410,602
	2012	98,998	91,687	105,713	108,522	129,597	128,011	151,954	145,222	131,080	118,873	90,328	100,484	1,400,469	1,384,319
	2013	96,990	91,621	100,924	110,040	120,175	137,093	140,057	152,823	134,082	123,911	98,852	102,468	1,409,036	1,393,491
	2014	109,914	91,439	99,187	110,495	130,165	135,158	149,881	155,803	135,044	121,145	96,769	104,597	1,439,597	1,442,316
	2015	103,693	96,660	113,854	126,671	140,753	149,474	155,903	153,768	144,838	124,847	101,795	110,719	1,522,975	1,508,124
Projected	2016	114,169	101,246	107,240	110,336	133,351	144,797	159,517	160,962	142,700	128,606	104,632	113,014	1,520,570	1,511,679
	2017	115,829	101,079	109,322	112,288	135,686	147,262	161,866	163,550	144,856	130,573	106,261	114,826	1,543,399	1,537,992
	2018	117,638	102,721	111,082	114,095	137,889	149,673	164,533	166,270	147,269	132,769	108,060	116,804	1,568,803	1,562,830
	2019	119,646	104,490	113,013	116,085	140,320	152,336	167,490	169,291	149,967	135,228	110,069	119,018	1,596,954	1,590,271
	2020	121,943	109,282	115,224	118,370	143,135	155,454	170,978	172,864	153,155	138,125	112,417	121,596	1,632,544	1,624,721
	2021	124,615	108,861	117,726	120,929	146,260	158,889	174,785	176,718	156,552	141,174	114,854	124,240	1,665,602	1,657,473
	2022	127,341	111,232	120,252	123,500	149,387	162,311	178,559	180,525	159,895	144,165	117,240	126,821	1,701,227	1,693,268
	2023	129,983	113,518	122,680	125,962	152,368	165,556	182,126	184,114	163,046	146,988	119,502	129,274	1,735,115	1,727,578
	2024	132,496	118,705	125,026	128,356	155,281	168,742	185,647	187,682	166,199	149,830	121,791	131,772	1,771,527	1,763,897
	2025	135,061	117,941	127,412	130,787	158,233	171,966	189,199	191,265	169,349	152,653	124,052	134,221	1,802,138	1,794,606
Projected	2026	137,574	120,131	129,758	133,179	161,143	175,145	192,708	194,812	172,477	155,465	126,313	136,681	1,835,387	1,827,854
	2027	140,086	122,311	132,084	135,544	164,006	178,258	196,127	198,253	175,500	158,174	128,488	139,041	1,867,871	1,860,628
	2028	142,496	127,633	134,337	137,841	166,794	181,295	199,472	201,630	178,476	160,849	130,641	141,382	1,902,847	1,895,677
	2029	144,883	126,487	136,562	140,108	169,542	184,287	202,765	204,954	181,406	163,485	132,765	143,695	1,930,939	1,923,867
	2030	147,239	128,533	138,751	142,331	172,228	187,197	205,950	208,149	184,203	165,981	134,763	145,853	1,961,179	1,954,526
	2031	149,421	130,425	140,779	144,393	174,720	189,896	208,911	211,133	186,837	168,356	136,689	147,959	1,989,517	1,983,111
	2032	151,572	135,741	142,830	146,500	177,294	192,715	212,036	214,316	189,669	170,927	138,781	150,258	2,022,638	2,015,675
	2033	153,931	134,381	145,058	148,782	180,073	195,753	215,391	217,709	192,663	173,620	140,947	152,612	2,050,921	2,043,708
	2034	156,334	136,472	147,296	151,060	182,836	198,763	218,706	221,055	195,611	176,268	143,077	154,928	2,082,406	2,075,312
	2035	158,711	138,547	149,524	153,336	185,606	201,790	222,047	224,434	198,591	178,948	145,233	157,274	2,114,042	2,106,860

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	6.9%	6.6%	7.0%	7.8%	8.9%	9.6%	10.5%	10.9%	9.5%	8.3%	6.8%	7.1%	100.0%
	2007	7.0%	6.6%	7.1%	7.4%	8.4%	9.4%	10.4%	11.3%	9.5%	9.0%	6.7%	7.1%	100.0%
	2008	7.4%	6.8%	7.2%	7.6%	9.3%	9.9%	10.1%	10.3%	9.7%	8.1%	6.7%	6.9%	100.0%
	2009	7.3%	6.6%	7.1%	7.4%	8.9%	10.1%	10.2%	10.5%	9.4%	8.9%	6.6%	7.0%	100.0%
	2010	8.3%	7.0%	6.7%	6.7%	9.0%	9.9%	10.5%	10.3%	9.3%	7.8%	6.3%	8.3%	100.0%
	2011	7.2%	6.3%	7.0%	8.3%	8.6%	9.9%	10.8%	10.9%	9.8%	7.7%	6.7%	6.8%	100.0%
	2012	7.1%	6.5%	7.5%	7.7%	9.3%	9.1%	10.9%	10.4%	9.4%	8.5%	6.4%	7.2%	100.0%
	2013	6.9%	6.5%	7.2%	7.8%	8.5%	9.7%	9.9%	10.8%	9.5%	8.8%	7.0%	7.3%	100.0%
	2014	7.6%	6.4%	6.9%	7.7%	9.0%	9.4%	10.4%	10.8%	9.4%	8.4%	6.7%	7.3%	100.0%
	2015	6.8%	6.3%	7.5%	8.3%	9.2%	9.8%	10.2%	10.1%	9.5%	8.2%	6.7%	7.3%	100.0%
Projected	2016	7.5%	6.7%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2017	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2018	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2019	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.5%	100.0%
	2020	7.5%	6.7%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2021	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.5%	100.0%
	2022	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.5%	100.0%
	2023	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.5%	100.0%
	2024	7.5%	6.7%	7.1%	7.2%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2025	7.5%	6.5%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
Avg.	2006-2015	7.3%	6.6%	7.1%	7.7%	8.9%	9.7%	10.4%	10.6%	9.5%	8.4%	6.7%	7.2%	100.0%
	2016-2025	7.5%	6.6%	7.1%	7.3%	8.8%	9.5%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%

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**FMPA 2016 Load Forecast - Base Case**  
**Kissimmee Utility Auth.**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	217.0	278.0	213.0	271.0	287.0	298.0	315.0	320.0	289.0	275.0	197.0	207.0	278.0	320.0
	2007	222.0	250.0	213.0	314.0	265.0	290.0	310.0	326.0	309.0	281.0	215.0	203.0	250.0	326.0
	2008	264.0	207.0	222.0	238.0	278.0	303.0	300.0	316.0	289.0	248.7	216.4	194.0	264.0	316.0
	2009	277.1	275.7	196.5	227.0	277.7	316.5	298.5	302.2	277.8	288.7	227.3	192.4	277.1	316.5
	2010	315.4	242.4	228.8	201.9	267.5	311.6	310.2	310.0	299.5	263.3	215.3	297.8	315.4	311.6
	2011	266.3	201.6	205.5	271.0	275.6	308.9	309.0	316.0	285.0	244.7	209.1	187.5	297.8	316.0
	2012	246.5	229.6	218.8	256.8	280.1	292.7	306.5	310.4	295.6	281.7	179.0	194.4	246.5	310.4
	2013	186.6	237.7	242.8	247.5	274.7	298.6	300.5	314.1	294.5	275.6	234.7	209.0	242.8	314.1
	2014	250.2	202.2	206.5	279.5	292.2	304.8	309.7	326.9	304.5	282.4	216.3	218.6	250.2	326.9
	2015	200.8	264.5	254.2	270.1	312.0	334.8	325.3	330.4	325.5	287.5	218.3	206.2	264.5	334.8
Projected	2016	283.3	258.8	226.4	263.0	300.9	324.8	328.8	339.0	317.2	291.1	221.6	209.3	283.3	339.0
	2017	287.6	262.7	229.8	267.0	305.4	329.7	333.7	344.1	322.0	295.5	225.2	212.7	287.6	344.1
	2018	292.3	267.0	233.6	271.4	310.5	335.1	339.2	349.8	327.3	300.4	229.3	216.5	292.3	349.8
	2019	297.6	271.8	237.8	276.2	316.0	341.2	345.3	356.1	333.2	305.8	234.4	221.3	297.6	356.1
	2020	304.2	277.9	243.1	282.4	323.1	348.8	353.0	364.0	340.6	312.6	239.1	225.8	304.2	364.0
	2021	310.3	283.5	248.0	288.1	329.6	355.8	360.2	371.4	347.5	318.9	244.2	230.7	310.3	371.4
	2022	317.0	289.6	253.3	294.3	336.7	363.4	367.9	379.3	354.9	325.7	249.1	235.3	317.0	379.3
	2023	323.3	295.3	258.4	300.1	343.4	370.7	375.2	386.9	362.0	332.2	254.3	240.2	323.3	386.9
	2024	330.1	301.5	263.8	306.4	350.6	378.5	383.1	395.0	369.6	339.2	258.7	244.3	330.1	395.0
	2025	335.8	306.8	268.4	311.7	356.6	385.0	389.7	401.8	376.0	345.0	263.5	248.8	335.8	401.8
Projected	2026	342.0	312.4	273.3	317.5	363.2	392.1	396.9	409.2	382.9	351.4	268.2	253.3	342.0	409.2
	2027	348.0	317.9	278.1	323.1	369.6	399.0	403.9	416.5	389.7	357.6	273.2	258.0	348.0	416.5
	2028	354.5	323.9	283.4	329.1	376.6	406.5	411.5	424.3	397.0	364.3	277.2	261.8	354.5	424.3
	2029	359.8	328.7	287.5	334.0	382.1	412.5	417.5	430.5	402.8	369.7	281.6	265.9	359.8	430.5
	2030	365.4	333.8	292.0	339.2	388.1	419.0	424.1	437.3	409.1	375.5	285.6	269.7	365.4	437.3
	2031	370.7	338.6	296.3	344.1	393.7	425.0	430.2	443.6	415.0	380.9	290.4	274.2	370.7	443.6
	2032	376.9	344.3	301.2	349.9	400.3	432.1	437.4	451.0	422.0	387.3	294.4	278.1	376.9	451.0
	2033	382.1	349.1	305.4	354.8	405.9	438.1	443.5	457.3	427.9	392.7	299.0	282.3	382.1	457.3
	2034	388.0	354.5	310.1	360.2	412.1	444.9	450.3	464.3	434.4	398.7	303.5	286.6	388.0	464.3
	2035	393.9	359.8	314.8	365.7	418.4	451.6	457.1	471.3	441.0	404.8	308.5	291.4	393.9	471.3

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										59.0%	64.0%	73.9%		
	2006	62.3%	51.1%	64.3%	56.3%	66.9%	62.6%	67.0%	66.1%	66.2%	58.9%	66.9%	69.4%	59.5%	51.7%
	2007	62.3%	57.7%	65.8%	46.3%	69.3%	64.0%	68.4%	68.1%	62.7%	62.9%	61.2%	71.4%	66.9%	51.3%
	2008	53.3%	67.3%	62.5%	61.2%	70.9%	62.6%	66.3%	62.4%	66.5%	62.1%	59.1%	70.6%	61.6%	51.4%
	2009	49.5%	49.9%	67.4%	61.3%	66.5%	59.8%	66.2%	65.4%	65.5%	57.9%	54.7%	70.5%	57.5%	50.4%
	2010	50.9%	61.4%	56.2%	63.9%	71.6%	61.7%	67.7%	64.1%	62.1%	57.1%	56.4%	55.6%	52.0%	52.6%
	2011	50.4%	64.3%	63.4%	56.9%	64.3%	59.5%	66.9%	63.9%	65.8%	58.4%	59.6%	69.9%	53.0%	50.0%
	2012	54.0%	57.4%	64.9%	56.8%	68.9%	58.8%	68.9%	62.9%	61.6%	56.7%	67.8%	71.8%	64.9%	51.5%
	2013	69.9%	57.4%	55.9%	59.8%	65.1%	61.7%	64.7%	65.4%	63.2%	60.4%	56.6%	68.1%	66.3%	51.2%
	2014	59.1%	67.3%	64.6%	53.1%	66.3%	59.6%	67.2%	64.1%	61.6%	57.7%	60.1%	66.5%	65.7%	50.3%
	2015	69.4%	54.4%	60.2%	63.0%	67.1%	60.0%	66.6%	62.6%	61.8%	58.4%	62.7%	74.6%	65.7%	51.9%
Projected	2016	54.2%	56.2%	63.7%	56.4%	65.9%	67.4%	63.8%	62.5%	59.4%	63.5%	75.0%	61.3%	51.2%	
	2017	54.1%	57.3%	63.9%	56.5%	66.1%	60.0%	67.4%	63.9%	62.5%	59.4%	63.4%	75.0%	61.3%	51.2%
	2018	54.1%	57.2%	63.9%	56.5%	66.1%	60.0%	67.4%	63.9%	62.5%	59.4%	63.4%	74.9%	61.3%	51.2%
	2019	54.0%	57.2%	63.9%	56.5%	66.1%	60.0%	67.4%	63.9%	62.5%	59.4%	63.1%	74.7%	61.3%	51.2%
	2020	53.9%	56.5%	63.7%	56.3%	65.9%	59.9%	67.3%	63.8%	62.5%	59.4%	63.2%	74.8%	61.3%	51.2%
	2021	54.0%	57.1%	63.8%	56.4%	66.0%	60.0%	67.4%	64.0%	62.6%	59.5%	63.2%	74.8%	61.3%	51.2%
	2022	54.0%	57.2%	63.8%	56.4%	66.0%	60.0%	67.4%	64.0%	62.6%	59.5%	63.3%	74.9%	61.3%	51.2%
	2023	54.0%	57.2%	63.8%	56.4%	66.0%	60.0%	67.4%	64.0%	62.6%	59.5%	63.2%	74.8%	61.3%	51.2%
	2024	54.0%	56.6%	63.7%	56.3%	65.9%	59.9%	67.3%	63.9%	62.5%	59.4%	63.3%	74.9%	61.3%	51.2%
	2025	54.1%	57.2%	63.8%	56.4%	66.0%	60.0%	67.4%	64.0%	62.6%	59.5%	63.3%	74.9%	61.3%	51.2%
Avg.	2006-2015	58.1%	58.8%	62.5%	57.9%	67.7%	61.0%	67.0%	64.5%	63.7%	59.1%	60.5%	68.8%	61.3%	51.2%
	2016-2025	54.0%	57.0%	63.8%	56.4%	66.0%	60.0%	67.4%	63.9%	62.5%	59.4%	63.3%	74.9%	61.3%	51.2%

FMPA 2016 Load Forecast - Base Case  
Kissimmee Utility Auth.  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	217.0	277.0	210.0	267.0	254.0	288.0	315.0	313.0	288.0	275.0	190.0	185.0	277.0	313.0
	2007	222.0	250.0	210.0	233.0	265.0	283.0	304.0	321.0	303.0	277.0	200.0	203.0	250.0	321.0
	2008	264.0	207.0	212.0	236.0	269.0	295.0	300.0	310.0	277.0	246.1	216.4	194.0	264.0	310.0
	2009	277.1	275.7	193.4	227.0	277.7	312.1	286.6	294.9	271.5	287.2	221.4	186.4	275.7	312.1
	2010	314.4	232.0	228.8	199.9	266.7	303.2	300.7	299.2	275.3	255.8	198.7	297.8	314.4	303.2
	2011	266.3	201.6	205.5	266.9	275.6	308.9	298.6	316.0	282.2	243.1	208.8	175.6	297.8	316.0
	2012	245.8	229.6	211.6	249.9	275.5	291.1	302.6	300.1	290.4	277.8	177.1	192.0	245.8	302.6
	2013	165.7	237.7	242.8	235.6	274.7	298.6	298.9	306.8	285.5	268.8	233.0	206.2	242.8	306.8
	2014	241.4	190.5	189.9	278.5	291.0	304.8	295.4	326.9	290.5	280.1	174.1	183.4	241.4	326.9
	2015	188.3	264.5	234.5	264.5	290.7	330.5	306.4	327.5	317.8	282.9	205.6	197.3	264.5	330.5
Projected	2016	271.3	255.8	217.8	257.9	295.6	323.6	320.8	336.1	309.1	286.4	208.7	200.3	271.3	336.1
	2017	275.4	259.7	221.0	261.8	300.0	328.5	325.6	341.2	313.7	290.7	212.1	203.5	275.4	341.2
	2018	279.9	264.0	224.7	266.1	305.0	333.9	330.9	346.8	318.9	295.5	215.9	207.2	279.9	346.8
	2019	284.9	268.7	228.7	270.9	310.4	339.9	336.9	353.0	324.6	300.8	220.7	211.8	284.9	353.0
	2020	291.3	274.7	233.8	276.9	317.4	347.5	344.4	360.9	331.9	307.5	225.2	216.1	291.3	360.9
	2021	297.2	280.2	238.5	282.5	323.8	354.5	351.3	368.2	338.6	313.7	230.0	220.7	297.2	368.2
	2022	303.6	286.2	243.7	288.6	330.7	362.1	358.9	376.1	345.8	320.4	234.6	225.1	303.6	376.1
	2023	309.6	291.9	248.5	294.3	337.3	369.3	366.0	383.6	352.7	326.8	239.5	229.9	309.6	383.6
	2024	316.1	298.1	253.7	300.5	344.4	377.1	373.7	391.6	360.1	333.7	243.6	233.8	316.1	391.6
	2025	321.6	303.2	258.1	305.7	350.3	383.6	380.1	398.4	366.3	339.4	248.1	238.1	321.6	398.4
Projected	2026	327.5	308.8	262.9	311.3	356.8	390.6	387.2	405.7	373.1	345.7	252.5	242.4	327.5	405.7
	2027	333.3	314.3	267.5	316.8	363.1	397.6	394.0	412.9	379.7	351.8	257.3	246.9	333.3	412.9
	2028	339.5	320.2	272.5	322.8	369.9	405.0	401.4	420.6	386.8	358.4	261.1	250.5	339.5	420.6
	2029	344.5	324.9	276.6	327.5	375.4	411.0	407.3	426.8	392.5	363.7	265.2	254.5	344.5	426.8
	2030	349.9	330.0	280.9	332.6	381.2	417.4	413.7	433.5	398.7	369.4	269.0	258.1	349.9	433.5
	2031	355.0	334.7	284.9	337.5	386.7	423.5	419.7	439.8	404.4	374.7	273.5	262.4	355.0	439.8
	2032	360.9	340.3	289.7	343.1	393.2	430.5	426.7	447.1	411.2	381.0	277.3	266.1	360.9	447.1
	2033	365.9	345.1	293.7	347.9	398.7	436.5	432.6	453.4	416.9	386.3	281.5	270.2	365.9	453.4
	2034	371.6	350.4	298.2	353.2	404.8	443.2	439.3	460.3	423.3	392.2	285.8	274.3	371.6	460.3
	2035	377.2	355.7	302.8	358.6	411.0	450.0	445.9	467.3	429.8	398.2	290.6	278.8	377.2	467.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										95.6%	98.0%	98.9%		
	2006	100.0%	99.6%	98.6%	98.5%	88.5%	96.6%	100.0%	97.8%	99.7%	100.0%	96.4%	89.4%	99.6%	97.8%
	2007	100.0%	100.0%	98.6%	74.2%	100.0%	97.6%	98.1%	98.5%	98.1%	98.6%	93.0%	100.0%	100.0%	98.5%
	2008	100.0%	100.0%	95.5%	99.2%	96.8%	97.4%	100.0%	98.1%	95.8%	98.9%	100.0%	100.0%	100.0%	98.1%
	2009	100.0%	100.0%	98.4%	100.0%	100.0%	98.6%	96.0%	97.6%	97.7%	99.5%	97.4%	96.9%	99.5%	98.6%
	2010	99.7%	95.7%	100.0%	99.0%	99.7%	97.3%	97.0%	96.5%	91.9%	97.2%	92.3%	100.0%	99.7%	97.3%
	2011	100.0%	100.0%	100.0%	98.5%	100.0%	100.0%	96.6%	100.0%	99.0%	99.3%	99.9%	93.6%	100.0%	100.0%
	2012	99.7%	100.0%	96.7%	97.3%	98.4%	99.5%	98.7%	96.7%	98.2%	98.6%	98.9%	98.8%	99.7%	97.5%
	2013	88.8%	100.0%	100.0%	95.2%	100.0%	100.0%	98.5%	97.7%	96.9%	97.5%	99.3%	98.7%	100.0%	97.7%
	2014	96.5%	94.2%	91.9%	99.7%	99.6%	100.0%	95.4%	100.0%	95.4%	99.2%	80.5%	83.9%	96.5%	100.0%
	2015	93.8%	100.0%	92.3%	97.9%	93.2%	98.7%	94.2%	99.1%	97.6%	98.4%	94.2%	95.7%	100.0%	98.7%
Projected	2016	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2017	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2018	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2019	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2020	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2021	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2022	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2023	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2024	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2025	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%
	2006-2015	97.8%	99.0%	97.2%	95.9%	97.6%	98.6%	97.5%	98.2%	97.0%	98.7%	95.2%	95.7%	99.5%	98.4%
	2016-2025	95.8%	98.8%	96.2%	98.1%	98.2%	99.6%	97.6%	99.1%	97.4%	98.4%	94.2%	95.7%	95.8%	99.1%

# FMPA 2016 Load Forecast - Base Case - KUA

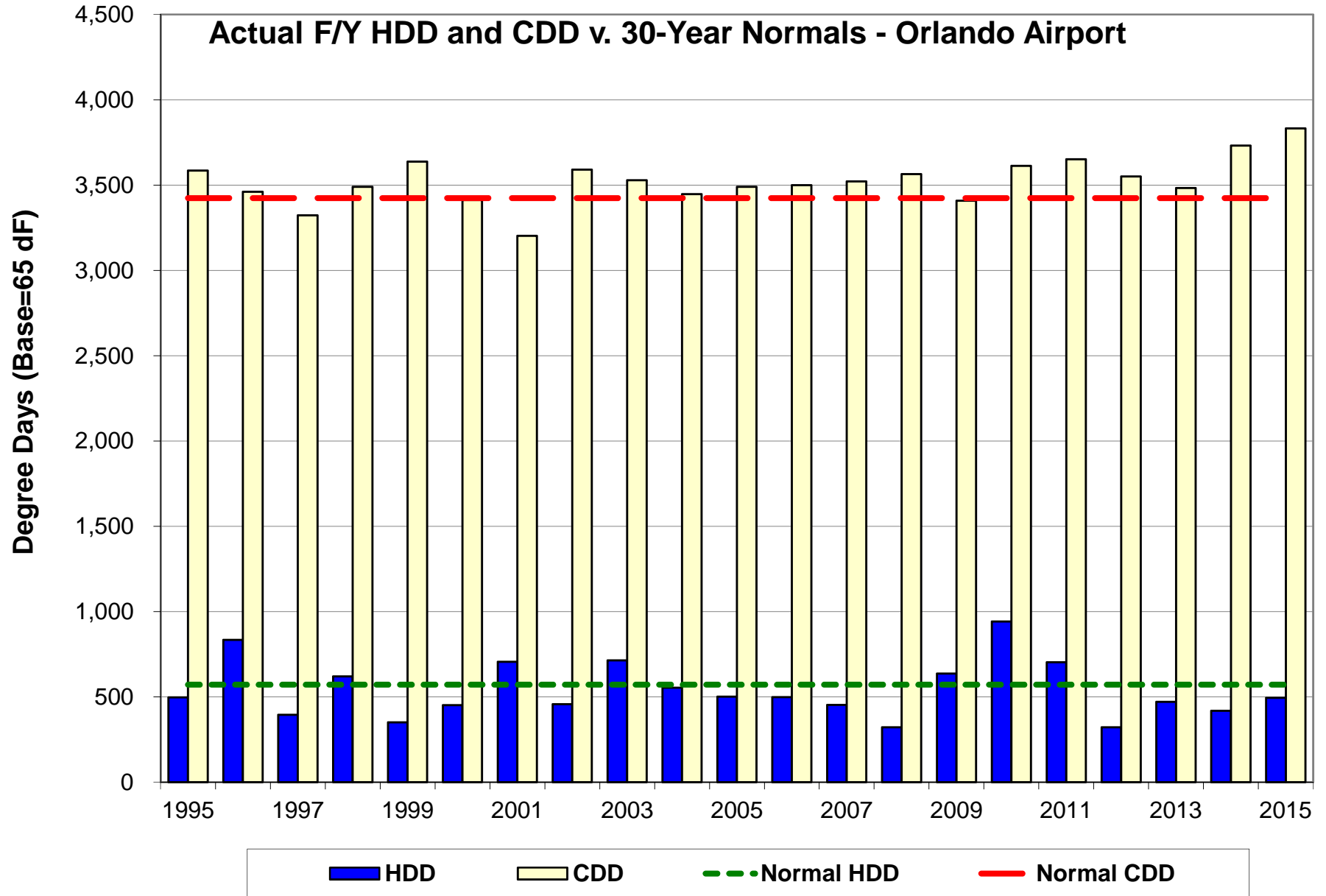
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

	Fiscal Year	Residential						General Service Non-Demand						General Service Demand						Lights		City		TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg		(MWh)	% Chg
Historical	2006	715,371		49,912		14,333		172,492		7,468		23.1		456,085		780		585		12,771		2,480		1,359,200			85,394	1,444,594
	2007	717,320	0.3%	51,782	3.7%	13,853	-3.3%	175,811	1.9%	7,787	4.3%	22.6	-2.2%	452,101	-0.9%	802	2.8%	564	-3.5%	13,108	2.6%	2,731	10.1%	1,361,071	0.1%	92,431	1,453,502	0.6%
	2008	706,732	-1.5%	52,512	1.4%	13,459	-2.8%	192,993	9.8%	8,996	15.5%	21.5	-5.0%	457,131	1.1%	859	7.1%	532	-5.6%	13,405	2.3%	3,023	10.7%	1,373,284	0.9%	75,536	1,448,820	-0.3%
	2009	695,330	-1.6%	52,218	-0.6%	13,316	-1.1%	173,887	-9.9%	8,913	-0.9%	19.5	-9.1%	448,540	-1.9%	902	5.1%	497	-6.6%	14,958	11.6%	3,262	7.9%	1,335,977	-2.7%	54,693	1,390,670	-4.0%
	2010	743,329	6.9%	52,517	0.6%	14,154	6.3%	176,793	1.7%	8,643	-3.0%	20.5	4.8%	432,259	-3.6%	828	-8.2%	522	4.9%	15,481	3.5%	3,446	5.6%	1,371,308	2.6%	58,832	1,430,141	2.8%
	2011	733,223	-1.4%	53,562	2.0%	13,689	-3.3%	170,573	-3.5%	8,465	-2.1%	20.2	-1.5%	435,830	0.8%	846	2.1%	515	-1.3%	16,149	4.3%	3,539	2.7%	1,359,313	-0.9%	51,289	1,410,602	-1.4%
	2012	702,353	-4.2%	54,675	2.1%	12,846	-6.2%	166,918	-2.1%	8,470	0.1%	19.7	-2.2%	437,819	0.5%	862	1.9%	508	-1.4%	16,326	1.1%	4,174	18.0%	1,327,589	-2.3%	56,730	1,384,319	-1.9%
	2013	709,471	1.0%	55,713	1.9%	12,734	-0.9%	165,185	-1.0%	8,506	0.4%	19.4	-1.5%	443,065	1.2%	856	-0.6%	517	1.8%	16,616	1.8%	3,414	-18.2%	1,337,750	0.8%	55,741	1,393,491	0.7%
	2014	741,059	4.5%	56,781	1.9%	13,051	2.5%	171,701	3.9%	8,634	1.5%	19.9	2.4%	448,067	1.1%	831	-3.0%	540	4.3%	16,769	0.9%	3,414	0.0%	1,381,011	3.2%	61,305	1,442,316	3.5%
	2015	785,853	6.0%	58,298	2.7%	13,480	3.3%	178,421	3.9%	8,746	1.3%	20.4	2.6%	457,858	2.2%	833	0.3%	549	1.8%	17,137	2.2%	3,450	1.1%	1,442,719	4.5%	65,406	1,508,124	4.6%
Projected	2016	794,941	1.2%	59,685	2.4%	13,319	-1.2%	175,417	-1.7%	8,862	1.3%	19.8	-3.0%	460,887	0.7%	856	2.7%	538	-2.0%	17,214	0.4%	3,552	2.9%	1,452,011	0.6%	59,667	1,511,679	0.2%
	2017	810,627	2.0%	60,919	2.1%	13,307	-0.1%	174,823	-0.3%	8,938	0.9%	19.6	-1.2%	470,534	2.1%	876	2.3%	537	-0.2%	17,298	0.5%	3,611	1.7%	1,476,892	1.7%	61,100	1,537,992	1.7%
	2018	823,864	1.6%	62,142	2.0%	13,258	-0.4%	175,550	0.4%	9,031	1.0%	19.4	-0.6%	480,263	2.1%	889	1.6%	540	0.5%	17,382	0.5%	3,671	1.7%	1,500,729	1.6%	62,101	1,562,830	1.6%
	2019	839,045	1.8%	63,357	2.0%	13,243	-0.1%	176,827	0.7%	9,131	1.1%	19.4	-0.4%	490,000	2.0%	903	1.5%	543	0.5%	17,465	0.5%	3,730	1.6%	1,527,068	1.8%	63,203	1,590,271	1.8%
	2020	858,484	2.3%	64,592	1.9%	13,291	0.4%	178,070	0.7%	9,235	1.1%	19.3	-0.4%	499,580	2.0%	916	1.5%	545	0.5%	17,549	0.5%	3,792	1.6%	1,557,474	2.0%	67,246	1,624,721	2.2%
	2021	881,384	2.7%	65,867	2.0%	13,381	0.7%	179,324	0.7%	9,341	1.2%	19.2	-0.4%	509,373	2.0%	930	1.5%	548	0.5%	17,633	0.5%	3,854	1.6%	1,591,567	2.2%	65,906	1,657,473	2.0%
	2022	904,450	2.6%	67,121	1.9%	13,475	0.7%	180,579	0.7%	9,447	1.1%	19.1	-0.4%	519,291	1.9%	943	1.5%	551	0.5%	17,716	0.5%	3,915	1.6%	1,625,951	2.2%	67,318	1,693,268	2.2%
	2023	926,079	2.4%	68,383	1.9%	13,542	0.5%	181,823	0.7%	9,553	1.1%	19.0	-0.4%	529,241	1.9%	957	1.4%	553	0.5%	17,800	0.5%	3,977	1.6%	1,658,919	2.0%	68,658	1,727,578	2.0%
	2024	946,631	2.2%	69,626	1.8%	13,596	0.4%	183,066	0.7%	9,660	1.1%	19.0	-0.4%	539,308	1.9%	970	1.4%	556	0.5%	17,884	0.5%	4,039	1.6%	1,690,927	1.9%	72,970	1,763,897	2.1%
	2025	967,632	2.2%	70,877	1.8%	13,652	0.4%	184,286	0.7%	9,766	1.1%	18.9	-0.4%	549,313	1.9%	984	1.4%	558	0.5%	17,967	0.5%	4,101	1.5%	1,723,299	1.9%	71,307	1,794,606	1.7%
	2026	988,179	2.1%	72,108	1.7%	13,704	0.4%	185,497	0.7%	9,873	1.1%	18.8	-0.4%	559,344	1.8%	997	1.4%	561	0.5%	18,051	0.5%	4,164	1.5%	1,755,234	1.9%	72,619	1,827,854	1.9%
	2027	1,008,159	2.0%	73,349	1.7%	13,745	0.3%	186,706	0.7%	9,980	1.1%	18.7	-0.4%	569,491	1.8%	1,011	1.4%	563	0.4%	18,135	0.5%	4,227	1.5%	1,786,718	1.8%	73,909	1,860,628	1.8%
	2028	1,027,308	1.9%	74,570	1.7%	13,776	0.2%	187,895	0.6%	10,086	1.1%	18.6	-0.4%	579,578	1.8%	1,024	1.3%	566	0.4%	18,218	0.5%	4,289	1.5%	1,817,289	1.7%	78,388	1,895,677	1.9%
	2029	1,046,147	1.8%	75,814	1.7%	13,799	0.2%	189,064	0.6%	10,190	1.0%	18.6	-0.4%	589,600	1.7%	1,037	1.3%	568	0.4%	18,302	0.5%	4,350	1.4%	1,847,463	1.7%	76,404	1,923,867	1.5%
	2030	1,064,447	1.7%	77,041	1.6%	13,817	0.1%	190,201	0.6%	10,291	1.0%	18.5	-0.4%	599,468	1.7%	1,050	1.3%	571	0.4%	18,386	0.5%	4,410	1.4%	1,876,913	1.6%	77,614	1,954,526	1.6%
	2031	1,080,940	1.5%	78,221	1.5%	13,819	0.0%	191,311	0.6%	10,390	1.0%	18.4	-0.4%	609,190	1.6%	1,063	1.2%	573	0.4%	18,469	0.5%	4,468	1.3%	1,904,380	1.5%	78,731	1,983,111	1.5%
	2032	1,097,725	1.6%	79,381	1.5%	13,829	0.1%	192,433	0.6%	10,484	0.9%	18.4	-0.3%	619,116	1.6%	1,076	1.2%	575	0.4%	18,553	0.5%	4,524	1.2%	1,932,351	1.5%	83,324	2,015,675	1.6%
	2033	1,116,614	1.7%	80,564	1.5%	13,860	0.2%	193,556	0.6%	10,576	0.9%	18.3	-0.3%	629,165	1.6%	1,089	1.2%	578	0.4%	18,637	0.5%	4,580	1.2%	1,962,552	1.6%	81,156	2,043,708	1.4%
	2034	1,135,831	1.7%	81,744	1.5%	13,895	0.3%	194,652	0.6%	10,668	0.9%	18.2	-0.3%	639,070	1.6%	1,102	1.2%	580	0.4%	18,720	0.4%	4,635	1.2%	1,992,910	1.5%	82,402	2,075,312	1.5%
	2035	1,155,152	1.7%	82,932	1.5%	13,929	0.2%	195,723	0.5%	10,761	0.9%	18.2	-0.3%	648,836	1.5%	1,115	1.1%	582	0.4%	18,804	0.4%	4,692	1.2%	2,023,207	1.5%	83,653	2,106,860	1.5%
CAGR	2006-2015		1.0%		1.7%		-0.7%		0.4%		1.8%		-1.4%		0.0%		0.7%		-0.7%		3.3%		3.7%		0.7%			0.5%
	2016-2025		2.2%		1.9%		0.3%		0.5%		1.1%		-0.5%		2.0%		1.6%		0.4%		0.5%		1.6%		1.9%			1.9%
	2026-2035		1.7%		1.6%		0.2%		0.6%		1.0%		-0.4%		1.7%		1.2%		0.4%		0.5%		1.3%		1.6%			1.6%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
 Kissimmee (Osceola County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	139.4	-	49.2	-	52.4	-	1.65	-	3,700	-	2,993	-	60,808	-
1996	146.6	5.2%	51.7	5.1%	54.6	4.4%	1.39	-15.9%	3,950	6.8%	3,203	7.0%	61,952	1.9%
1997	153.7	4.8%	54.2	4.8%	56.8	4.0%	1.51	8.5%	4,144	4.9%	3,437	7.3%	63,449	2.4%
1998	160.5	4.5%	56.6	4.4%	59.2	4.2%	1.58	5.2%	4,380	5.7%	3,756	9.3%	66,393	4.6%
1999	167.7	4.5%	59.0	4.3%	61.3	3.5%	1.68	6.0%	4,681	6.9%	4,046	7.7%	68,572	3.3%
2000	174.9	4.3%	61.6	4.5%	63.9	4.3%	1.60	-4.9%	4,951	5.8%	4,306	6.4%	69,853	1.9%
2001	182.3	4.3%	64.8	5.2%	69.6	8.8%	1.59	-0.5%	5,144	3.9%	4,621	7.3%	71,253	2.0%
2002	191.5	5.1%	68.6	5.7%	72.7	4.5%	1.73	8.9%	5,555	8.0%	4,662	0.9%	67,995	-4.6%
2003	203.7	6.4%	72.9	6.4%	76.1	4.6%	1.63	-6.1%	5,989	7.8%	4,967	6.5%	68,108	0.2%
2004	217.7	6.9%	77.7	6.5%	81.7	7.4%	1.63	0.4%	6,625	10.6%	5,334	7.4%	68,678	0.8%
2005	228.9	5.1%	81.2	4.6%	88.7	8.5%	1.71	4.7%	7,403	11.7%	5,874	10.1%	72,310	5.3%
2006	242.4	5.9%	85.2	4.9%	91.6	3.2%	1.69	-1.0%	7,773	5.0%	6,308	7.4%	74,040	2.4%
2007	254.1	4.8%	88.2	3.5%	93.7	2.3%	1.89	11.5%	8,230	5.9%	6,639	5.2%	75,305	1.7%
2008	262.1	3.1%	89.7	1.8%	96.3	2.8%	1.61	-14.4%	7,893	-4.1%	6,798	2.4%	75,766	0.6%
2009	265.8	1.4%	89.7	-0.1%	91.9	-4.6%	1.48	-8.6%	7,494	-5.1%	6,705	-1.4%	74,768	-1.3%
2010	270.5	1.8%	91.1	1.6%	93.2	1.4%	1.31	-11.2%	7,736	3.2%	7,089	5.7%	77,786	4.0%
2011	279.7	3.4%	94.2	3.4%	97.5	4.6%	1.13	-13.4%	7,786	0.6%	7,315	3.2%	77,645	-0.2%
2012	289.7	3.6%	96.8	2.7%	100.2	2.7%	1.21	6.3%	7,866	1.0%	7,465	2.0%	77,140	-0.7%
2013	300.4	3.7%	98.9	2.2%	103.3	3.1%	1.24	2.8%	8,138	3.5%	7,608	1.9%	76,907	-0.3%
2014	311.1	3.6%	102.1	3.3%	106.0	2.7%	1.30	4.8%	8,570	5.3%	8,074	6.1%	79,047	2.8%
2015	319.1	2.6%	104.8	2.6%	109.5	3.3%	1.34	2.9%	9,050	5.6%	8,450	4.7%	80,643	2.0%
2016	327.6	2.6%	107.5	2.6%	112.9	3.1%	1.37	2.3%	9,568	5.7%	8,822	4.4%	82,076	1.8%
2017	336.2	2.6%	110.2	2.5%	116.1	2.9%	1.41	2.9%	10,079	5.3%	9,209	4.4%	83,601	1.9%
2018	345.0	2.6%	112.9	2.5%	119.4	2.8%	1.45	2.8%	10,601	5.2%	9,604	4.3%	85,090	1.8%
2019	354.0	2.6%	115.6	2.5%	122.6	2.7%	1.48	2.4%	11,126	5.0%	10,018	4.3%	86,637	1.8%
2020	363.2	2.6%	118.5	2.4%	125.9	2.7%	1.52	2.5%	11,672	4.9%	10,457	4.4%	88,272	1.9%
2021	372.6	2.6%	121.3	2.4%	129.3	2.6%	1.56	2.5%	12,192	4.5%	10,894	4.2%	89,782	1.7%
2022	382.3	2.6%	124.2	2.3%	132.7	2.6%	1.60	2.6%	12,772	4.8%	11,350	4.2%	91,407	1.8%
2023	392.2	2.6%	127.0	2.3%	136.2	2.6%	1.64	2.5%	13,397	4.9%	11,821	4.1%	93,070	1.8%
2024	402.4	2.6%	129.9	2.2%	139.7	2.6%	1.68	2.4%	14,023	4.7%	12,302	4.1%	94,738	1.8%
2025	412.8	2.6%	132.7	2.2%	143.2	2.5%	1.71	1.9%	14,647	4.5%	12,799	4.0%	96,454	1.8%
2026	423.3	2.6%	135.6	2.2%	146.8	2.5%	1.74	1.7%	15,320	4.6%	13,319	4.1%	98,247	1.9%
2027	433.9	2.5%	138.4	2.1%	150.4	2.4%	1.76	1.4%	15,976	4.3%	13,842	3.9%	100,026	1.8%
2028	444.5	2.4%	141.3	2.1%	154.0	2.4%	1.78	1.1%	16,623	4.0%	14,365	3.8%	101,670	1.6%
2029	455.1	2.4%	144.2	2.0%	157.6	2.3%	1.80	0.9%	17,268	3.9%	14,890	3.7%	103,298	1.6%
2030	465.8	2.4%	147.0	2.0%	161.1	2.2%	1.81	0.8%	17,896	3.6%	15,420	3.6%	104,926	1.6%
2031	476.5	2.3%	149.7	1.9%	164.7	2.2%	1.82	0.6%	18,541	3.6%	15,926	3.3%	106,373	1.4%
2032	487.3	2.3%	152.5	1.8%	168.4	2.2%	1.83	0.5%	19,199	3.5%	16,444	3.3%	107,855	1.4%
2033	498.2	2.2%	155.3	1.8%	172.1	2.2%	1.84	0.5%	19,862	3.5%	16,973	3.2%	109,336	1.4%
2034	509.3	2.2%	158.1	1.8%	175.7	2.1%	1.85	0.4%	20,543	3.4%	17,517	3.2%	110,820	1.4%
2035	520.6	2.2%	161.0	1.8%	179.4	2.1%	1.85	0.4%	21,251	3.4%	18,084	3.2%	112,368	1.4%
<b>Average Percent Change</b>														
<b>2005-2015</b>			3.4%	2.6%	2.1%	-2.4%	2.0%	3.7%	1.1%					
<b>2016-2025</b>			2.6%	2.4%	2.7%	2.5%	4.8%	4.2%	1.8%					
<b>2026-2035</b>			2.3%	2.0%	2.3%	0.8%	3.8%	3.5%	1.5%					



Leesburg

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FMPA 2016 Load Forecast - Base Case  
**Leesburg**  
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	544,581	-	543,147	-	-0.3%	110.8	-	121.6	-	9.8%	112.8	-	117.3		4.0%
	2007	530,188	-2.6%	530,980	-2.2%	0.1%	93.7	-15.4%	108.4	-10.9%	15.7%	116.4	3.2%	115.8	-1.3%	-0.5%
	2008	519,190	-2.1%	523,497	-1.4%	0.8%	103.2	10.1%	106.7	-1.6%	3.4%	109.2	-6.2%	110.7	-4.4%	1.4%
	2009	522,907	0.7%	520,996	-0.5%	-0.4%	116.5	12.9%	109.7	2.8%	-5.8%	114.2	4.6%	112.5	1.7%	-1.5%
	2010	522,333	-0.1%	496,772	-4.6%	-4.9%	108.3	-7.0%	95.8	-12.6%	-11.5%	98.8	-13.5%	104.2	-7.4%	5.5%
	2011	499,570	-4.4%	482,050	-3.0%	-3.5%	105.3	-2.8%	105.7	10.3%	0.4%	100.0	1.2%	98.8	-5.2%	-1.2%
	2012	469,153	-6.1%	473,127	-1.9%	0.8%	90.6	-14.0%	93.2	-11.8%	2.9%	89.7	-10.3%	107.2	8.5%	19.5%
	2013	468,646	-0.1%	470,437	-0.6%	0.4%	80.8	-10.8%	89.7	-3.8%	10.9%	90.5	0.9%	95.3	-11.1%	5.3%
	2014	465,764	-0.6%	459,016	-2.4%	-1.4%	89.4	10.5%	102.4	14.2%	14.6%	95.8	5.9%	94.1	-1.2%	-1.8%
	2015	478,866	2.8%	465,456	1.4%	-2.8%	100.1	12.0%	111.7	9.1%	11.6%	105.6	10.2%	107.1	13.8%	1.4%
Projected	2016	470,214	-1.8%	470,214	1.0%		96.4	-3.7%	96.4	-13.7%		100.1	-5.2%	100.1	-6.5%	
	2017			475,482	1.1%				97.6	1.3%				101.4	1.3%	
	2018			482,633	1.5%				99.1	1.6%				103.0	1.6%	
	2019			491,165	1.8%				100.8	1.7%				104.8	1.7%	
	2020			499,431	1.7%				102.4	1.6%				106.4	1.6%	
	2021			504,359	1.0%				103.4	1.0%				107.5	1.0%	
	2022			510,352	1.2%				104.7	1.2%				108.7	1.2%	
	2023			516,327	1.2%				105.9	1.2%				110.0	1.2%	
	2024			523,473	1.4%				107.3	1.4%				111.5	1.4%	
	2025			528,181	0.9%				108.3	0.9%				112.5	0.9%	
	2026			534,153	1.1%				109.5	1.1%				113.8	1.1%	
	2027			540,211	1.1%				110.8	1.1%				115.1	1.1%	
	2028			547,438	1.3%				112.2	1.3%				116.6	1.3%	
	2029			551,886	0.8%				113.1	0.8%				117.5	0.8%	
	2030			557,435	1.0%				114.3	1.0%				118.7	1.0%	
	2031			562,760	1.0%				115.3	0.9%				119.8	0.9%	
	2032			569,127	1.1%				116.6	1.1%				121.2	1.1%	
	2033			572,796	0.6%				117.4	0.6%				122.0	0.6%	
	2034			577,744	0.9%				118.4	0.9%				123.0	0.9%	
	2035			582,735	0.9%				119.4	0.9%				124.1	0.9%	
CAGR <sup>[3]</sup>	2006-2015		-1.4%		-1.7%			-1.1%		-0.9%			-0.7%		-1.0%	
	2016-2025				1.3%					1.3%					1.3%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Leesburg**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	544,581	-	544,581	-	110.8	115.9	110.8	115.9	110.8	112.8	110.8	112.8
	2007	530,188	-2.6%	530,188	-2.6%	95.6	117.5	95.6	117.5	93.7	116.4	93.7	116.4
	2008	519,190	-2.1%	519,190	-2.1%	103.2	113.0	103.2	113.0	103.2	109.2	103.2	109.2
	2009	522,907	0.7%	522,907	0.7%	118.0	114.2	118.0	114.2	116.5	114.2	116.5	114.2
	2010	522,333	-0.1%	522,333	-0.1%	111.0	110.0	111.0	110.0	108.3	98.8	108.3	98.8
	2011	499,570	-4.4%	499,570	-4.4%	106.8	106.6	106.8	106.6	105.3	100.0	105.3	100.0
	2012	469,153	-6.1%	469,153	-6.1%	94.0	100.5	94.0	100.5	90.6	89.7	90.6	89.7
	2013	468,646	-0.1%	468,646	-0.1%	84.5	99.0	84.5	99.0	80.8	90.5	80.8	90.5
	2014	465,764	-0.6%	465,764	-0.6%	91.2	100.0	91.2	100.0	89.4	95.8	89.4	95.8
	2015	478,866	2.8%	459,790	-1.3%	100.1	107.1	94.7	99.8	100.1	105.6	91.5	97.4
Projected	2016	470,214	-1.8%	470,649	2.4%	96.8	102.6	96.7	101.9	96.4	100.1	93.4	99.5
	2017	475,482	1.1%	478,632	1.7%	98.0	103.9	98.4	103.7	97.6	101.4	95.1	101.2
	2018	482,633	1.5%	488,382	2.0%	99.5	105.6	100.3	105.8	99.1	103.0	97.0	103.3
	2019	491,165	1.8%	496,113	1.6%	101.3	107.4	101.8	107.3	100.8	104.8	98.4	104.7
	2020	499,431	1.7%	503,492	1.5%	102.9	109.1	103.3	108.9	102.4	106.4	99.9	106.3
	2021	504,359	1.0%	508,818	1.1%	103.9	110.2	104.4	110.1	103.4	107.5	100.9	107.4
	2022	510,352	1.2%	515,351	1.3%	105.1	111.5	105.7	111.5	104.7	108.7	102.2	108.8
	2023	516,327	1.2%	521,967	1.3%	106.3	112.8	107.1	112.9	105.9	110.0	103.5	110.2
	2024	523,473	1.4%	529,809	1.5%	107.8	114.3	108.7	114.6	107.3	111.5	105.1	111.9
	2025	528,181	0.9%	535,142	1.0%	108.8	115.4	109.8	115.8	108.3	112.5	106.1	113.0
	2026	534,153	1.1%	541,622	1.2%	110.0	116.7	111.1	117.2	109.5	113.8	107.4	114.3
	2027	540,211	1.1%	548,039	1.2%	111.2	118.0	112.4	118.5	110.8	115.1	108.7	115.7
	2028	547,438	1.3%	555,458	1.4%	112.7	119.6	113.9	120.1	112.2	116.6	110.1	117.2
	2029	551,886	0.8%	560,037	0.8%	113.6	120.5	114.8	121.1	113.1	117.5	111.0	118.2
	2030	557,435	1.0%	565,719	1.0%	114.7	121.7	116.0	122.3	114.3	118.7	112.1	119.4
	2031	562,760	1.0%	571,242	1.0%	115.8	122.9	117.1	123.5	115.3	119.8	113.2	120.5
	2032	569,127	1.1%	577,987	1.2%	117.1	124.2	118.5	124.9	116.6	121.2	114.5	122.0
	2033	572,796	0.6%	582,113	0.7%	117.9	125.0	119.3	125.8	117.4	122.0	115.4	122.8
	2034	577,744	0.9%	587,599	0.9%	118.9	126.1	120.5	127.0	118.4	123.0	116.4	124.0
	2035	582,735	0.9%			119.9	127.2			119.4	124.1		
CAGR <sup>[1]</sup>	Historical		-1.4%		-1.9%	-1.1%	-0.9%	-2.4%	-1.8%	0.8%	-1.2%	-0.7%	-2.7%
	1st 10 Prj Yrs		1.3%		1.4%	1.3%	1.3%	1.5%	1.5%	1.3%	1.3%	1.5%	1.5%
	2nd 10 Prj Yrs		1.0%		1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

[1] CAGR - Compound Annual Growth Rate



**FMPA 2016 Load Forecast - Base Case**

**Leesburg**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	42,506	39,744	38,657	41,591	47,307	50,829	55,476	56,048	49,538	43,418	37,073	38,689	540,875	544,581
	2007	39,737	37,207	38,593	38,744	44,815	49,948	53,483	58,617	49,865	46,506	35,619	38,351	531,484	530,188
	2008	38,374	36,305	37,381	40,138	47,208	49,439	50,334	50,170	49,366	42,179	36,586	40,602	518,081	519,190
	2009	43,992	39,102	37,991	37,199	45,145	50,872	50,598	50,815	47,826	44,477	32,941	37,987	518,944	522,907
	2010	45,946	38,902	34,292	35,684	48,541	50,682	52,099	52,653	48,130	39,357	33,974	45,970	526,229	522,333
	2011	39,682	32,663	33,687	38,735	44,344	46,667	48,594	50,910	44,987	34,549	31,244	34,502	480,565	499,570
	2012	36,917	32,660	36,771	37,974	43,926	41,252	48,781	46,816	43,761	38,605	31,462	35,792	474,717	469,153
	2013	35,889	32,673	34,655	37,719	41,300	44,024	44,244	47,680	44,602	38,608	31,863	34,244	467,502	468,646
	2014	41,539	30,866	32,171	36,124	41,397	42,647	46,322	48,247	41,736	36,913	32,055	36,278	466,295	465,764
	2015	37,418	34,461	36,655	37,934	43,607	46,636	46,042	47,761	43,105	38,317	32,641	35,673	480,250	478,866
Projected	2016	38,191	33,220	33,283	34,725	41,718	44,766	46,569	48,022	43,091	38,443	32,945	36,132	471,103	470,214
	2017	38,695	32,521	33,766	35,283	42,382	45,492	47,315	48,771	43,740	39,001	33,403	36,635	477,002	475,482
	2018	39,249	32,991	34,250	35,790	43,000	46,174	48,064	49,582	44,495	39,691	33,994	37,278	484,557	482,633
	2019	39,960	33,578	34,844	36,403	43,739	46,987	48,923	50,474	45,294	40,378	34,558	37,878	493,015	491,165
	2020	40,596	35,244	35,359	36,926	44,350	47,625	49,564	51,110	45,844	40,872	34,986	38,348	500,822	499,431
	2021	41,091	34,511	35,793	37,380	44,895	48,204	50,162	51,724	46,394	41,362	35,406	38,806	505,729	504,359
	2022	41,576	34,920	36,220	37,828	45,432	48,776	50,753	52,332	46,940	41,850	35,826	39,266	511,720	510,352
	2023	42,061	35,328	36,646	38,274	45,967	49,346	51,342	52,937	47,483	42,336	36,244	39,722	517,687	516,327
	2024	42,543	36,940	37,070	38,719	46,500	49,913	51,927	53,538	48,022	42,817	36,658	40,175	524,821	523,473
	2025	43,020	36,137	37,491	39,161	47,030	50,478	52,511	54,140	48,562	43,300	37,074	40,630	529,535	528,181
Projected	2026	43,502	36,543	37,916	39,607	47,567	51,050	53,103	54,749	49,111	43,791	37,498	41,095	535,533	534,153
	2027	43,991	36,957	38,349	40,061	48,111	51,630	53,701	55,364	49,663	44,286	37,924	41,560	541,597	540,211
	2028	44,480	38,628	38,776	40,508	48,645	52,195	54,282	55,959	50,194	44,759	38,330	42,002	548,759	547,438
	2029	44,945	37,758	39,184	40,935	49,156	52,737	54,840	56,531	50,707	45,217	38,724	42,432	553,167	551,886
	2030	45,396	38,138	39,581	41,350	49,653	53,265	55,383	57,088	51,207	45,663	39,107	42,850	558,682	557,435
	2031	45,834	38,506	39,963	41,749	50,129	53,768	55,899	57,616	51,678	46,081	39,465	43,238	563,925	562,760
	2032	46,244	40,162	40,323	42,127	50,581	54,249	56,396	58,126	52,135	46,489	39,817	43,623	570,272	569,127
	2033	46,648	39,192	40,679	42,500	51,028	54,723	56,884	58,627	52,585	46,892	40,164	44,002	573,924	572,796
	2034	47,047	39,529	41,032	42,870	51,473	55,196	57,373	59,130	53,037	47,296	40,513	44,383	578,879	577,744
	2035	47,449	39,868	41,388	43,244	51,922	55,674	57,866	59,638	53,493	47,705	40,866	44,770	583,884	582,735

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.9%	7.3%	7.1%	7.7%	8.7%	9.4%	10.3%	10.4%	9.2%	8.0%	6.9%	7.2%	100.0%
	2007	7.5%	7.0%	7.3%	7.3%	8.4%	9.4%	10.1%	11.0%	9.4%	8.8%	6.7%	7.2%	100.0%
	2008	7.4%	7.0%	7.2%	7.7%	9.1%	9.5%	9.7%	9.7%	9.5%	8.1%	7.1%	7.8%	100.0%
	2009	8.5%	7.5%	7.3%	7.2%	8.7%	9.8%	9.8%	9.8%	9.2%	8.6%	6.3%	7.3%	100.0%
	2010	8.7%	7.4%	6.5%	6.8%	9.2%	9.6%	9.9%	10.0%	9.1%	7.5%	6.5%	8.7%	100.0%
	2011	8.3%	6.8%	7.0%	8.1%	9.2%	9.7%	10.1%	10.6%	9.4%	7.2%	6.5%	7.2%	100.0%
	2012	7.8%	6.9%	7.7%	8.0%	9.3%	8.7%	10.3%	9.9%	9.2%	8.1%	6.6%	7.5%	100.0%
	2013	7.7%	7.0%	7.4%	8.1%	8.8%	9.4%	9.5%	10.2%	9.5%	8.3%	6.8%	7.3%	100.0%
	2014	8.9%	6.6%	6.9%	7.7%	8.9%	9.1%	9.9%	10.3%	9.0%	7.9%	6.9%	7.8%	100.0%
	2015	7.8%	7.2%	7.6%	7.9%	9.1%	9.7%	9.6%	9.9%	9.0%	8.0%	6.8%	7.4%	100.0%
Projected	2016	8.1%	7.1%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.1%	8.2%	7.0%	7.7%	100.0%
	2017	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2018	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2019	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2020	8.1%	7.0%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2021	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2022	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2023	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2024	8.1%	7.0%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
	2025	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%
Avg.	2006-2015	8.0%	7.1%	7.2%	7.6%	8.9%	9.4%	9.9%	10.2%	9.2%	8.0%	6.7%	7.6%	100.0%
	2016-2025	8.1%	6.9%	7.1%	7.4%	8.9%	9.5%	9.9%	10.2%	9.2%	8.2%	7.0%	7.7%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Leesburg**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	89.8	110.8	76.2	97.6	102.5	110.2	112.8	115.9	104.9	99.3	77.4	76.8	110.8	115.9
	2007	94.7	95.6	80.8	87.7	97.7	108.1	113.8	117.5	109.0	102.5	73.6	78.0	95.6	117.5
	2008	103.2	88.2	76.4	85.0	97.9	113.0	109.7	109.3	105.6	93.8	82.6	90.7	103.2	113.0
	2009	118.0	116.5	90.8	83.1	98.7	114.2	105.8	106.4	99.0	102.6	65.5	80.8	118.0	114.2
	2010	111.0	90.5	80.4	74.9	98.2	107.3	107.8	110.0	103.7	91.2	70.2	106.8	111.0	110.0
	2011	101.2	81.4	63.9	93.7	95.8	104.2	102.0	106.6	98.3	76.5	64.0	65.9	106.8	106.6
	2012	94.0	88.4	75.5	84.5	90.4	95.6	100.1	100.5	98.6	87.0	60.9	71.4	94.0	100.5
	2013	68.8	81.0	84.5	83.3	88.9	97.7	95.8	99.0	97.2	83.7	70.9	66.0	84.5	99.0
	2014	91.2	77.2	60.4	85.4	91.3	94.5	94.5	100.0	97.7	85.9	76.3	74.2	91.2	100.0
	2015	86.0	100.1	76.6	81.4	94.8	107.1	97.4	105.4	96.4	91.4	64.4	70.3	100.1	107.1
Projected	2016	96.8	88.0	75.8	78.8	91.9	99.8	97.3	102.6	95.7	87.6	65.2	71.2	96.8	102.6
	2017	98.0	89.1	76.7	79.8	93.0	101.1	98.5	103.9	96.9	88.7	66.3	72.3	98.0	103.9
	2018	99.5	90.5	77.9	81.0	94.5	102.7	100.1	105.6	98.4	90.1	67.4	73.6	99.5	105.6
	2019	101.3	92.0	79.3	82.4	96.1	104.5	101.8	107.4	100.2	91.6	68.5	74.7	101.3	107.4
	2020	102.9	93.5	80.6	83.7	97.7	106.1	103.4	109.1	101.8	93.1	69.2	75.5	102.9	109.1
	2021	103.9	94.4	81.4	84.6	98.6	107.2	104.5	110.2	102.7	94.0	70.0	76.4	103.9	110.2
	2022	105.1	95.5	82.3	85.6	99.8	108.4	105.7	111.5	104.0	95.1	70.8	77.3	105.1	111.5
	2023	106.3	96.7	83.3	86.6	100.9	109.7	106.9	112.8	105.2	96.2	71.8	78.3	106.3	112.8
	2024	107.8	98.0	84.4	87.8	102.3	111.2	108.4	114.3	106.6	97.6	72.4	79.0	107.8	114.3
	2025	108.8	98.9	85.2	88.6	103.3	112.2	109.4	115.4	107.6	98.4	73.2	79.9	108.8	115.4
Projected	2026	110.0	100.0	86.1	89.6	104.4	113.5	110.6	116.7	108.8	99.5	74.1	80.8	110.0	116.7
	2027	111.2	101.1	87.1	90.6	105.6	114.8	111.9	118.0	110.0	100.7	75.0	81.9	111.2	118.0
	2028	112.7	102.5	88.3	91.8	107.0	116.3	113.3	119.6	111.5	102.0	75.6	82.6	112.7	119.6
	2029	113.6	103.3	89.0	92.5	107.9	117.2	114.3	120.5	112.4	102.8	76.4	83.4	113.6	120.5
	2030	114.7	104.3	89.9	93.4	108.9	118.4	115.4	121.7	113.5	103.8	77.1	84.2	114.7	121.7
	2031	115.8	105.3	90.7	94.3	110.0	119.5	116.5	122.9	114.6	104.8	78.0	85.1	115.8	122.9
	2032	117.1	106.5	91.7	95.4	111.2	120.8	117.8	124.2	115.9	106.0	78.5	85.7	117.1	124.2
	2033	117.9	107.2	92.3	96.0	111.9	121.6	118.5	125.0	116.6	106.7	79.2	86.4	117.9	125.0
	2034	118.9	108.1	93.1	96.8	112.9	122.7	119.6	126.1	117.6	107.6	79.8	87.1	118.9	126.1
	2035	119.9	109.0	93.9	97.6	113.9	123.7	120.6	127.2	118.6	108.5	80.7	88.1	119.9	127.2

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.7%	63.9%	66.1%		
	2006	63.6%	53.4%	68.2%	57.3%	68.7%	62.0%	68.3%	65.0%	65.6%	58.8%	64.4%	69.9%	55.7%	53.3%
	2007	56.4%	57.9%	64.2%	59.4%	68.3%	62.1%	65.3%	67.1%	63.5%	61.0%	65.1%	68.3%	63.5%	51.7%
	2008	50.0%	59.1%	65.8%	63.5%	71.7%	58.8%	63.7%	61.7%	64.9%	60.4%	59.5%	62.2%	57.3%	52.3%
	2009	50.1%	50.0%	56.2%	60.1%	68.0%	59.9%	66.4%	64.2%	67.1%	58.2%	67.6%	65.3%	50.2%	51.9%
	2010	55.7%	64.0%	57.3%	64.0%	73.5%	63.5%	67.1%	64.3%	64.5%	58.0%	65.0%	59.8%	54.1%	54.6%
	2011	52.7%	59.7%	70.9%	55.6%	68.9%	60.2%	66.1%	64.2%	63.6%	60.7%	65.6%	72.7%	51.4%	51.4%
	2012	52.8%	53.1%	65.5%	60.4%	72.3%	58.0%	67.7%	62.6%	61.7%	59.6%	69.4%	69.6%	57.6%	53.9%
	2013	70.1%	60.1%	55.1%	60.9%	69.2%	60.5%	64.1%	64.7%	63.7%	62.0%	60.4%	72.1%	63.1%	53.9%
	2014	61.2%	59.5%	71.5%	56.8%	67.5%	60.6%	68.1%	64.9%	59.3%	57.8%	56.5%	67.9%	58.3%	53.2%
	2015	58.5%	51.2%	64.3%	62.6%	68.5%	58.5%	65.6%	60.9%	62.1%	56.4%	68.1%	70.5%	54.8%	51.2%
Projected	2016	53.1%	54.3%	59.0%	59.2%	67.6%	60.3%	66.5%	62.9%	62.5%	59.0%	67.9%	70.5%	55.6%	52.4%
	2017	53.1%	54.3%	59.1%	59.5%	67.8%	60.5%	66.7%	63.1%	62.7%	59.1%	67.8%	70.4%	55.6%	52.4%
	2018	53.0%	54.3%	59.1%	59.4%	67.7%	60.4%	66.7%	63.1%	62.8%	59.2%	67.8%	70.4%	55.6%	52.4%
	2019	53.0%	54.3%	59.1%	59.3%	67.7%	60.5%	66.7%	63.2%	62.8%	59.2%	67.8%	70.4%	55.6%	52.4%
	2020	53.0%	54.2%	59.0%	59.3%	67.6%	60.3%	66.5%	63.0%	62.6%	59.0%	68.0%	70.6%	55.6%	52.4%
	2021	53.2%	54.4%	59.1%	59.4%	67.7%	60.5%	66.7%	63.1%	62.7%	59.1%	68.0%	70.6%	55.6%	52.4%
	2022	53.2%	54.4%	59.1%	59.4%	67.8%	60.5%	66.7%	63.1%	62.7%	59.1%	68.0%	70.6%	55.6%	52.4%
	2023	53.2%	54.4%	59.1%	59.4%	67.8%	60.5%	66.7%	63.1%	62.7%	59.1%	67.9%	70.4%	55.6%	52.4%
	2024	53.0%	54.2%	59.0%	59.3%	67.6%	60.3%	66.5%	62.9%	62.6%	59.0%	68.0%	70.6%	55.6%	52.4%
	2025	53.2%	54.4%	59.2%	59.4%	67.8%	60.5%	66.7%	63.1%	62.7%	59.1%	68.1%	70.6%	55.6%	52.4%
Avg.	2006-2015	57.1%	56.8%	63.9%	60.1%	69.7%	60.4%	66.3%	64.0%	63.6%	59.3%	64.2%	67.8%	56.6%	52.7%
	2016-2025	53.1%	54.3%	59.1%	59.4%	67.7%	60.4%	66.6%	63.0%	62.7%	59.1%	67.9%	70.5%	55.6%	52.4%

FMPS 2016 Load Forecast - Base Case  
**Leesburg**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	88.6	110.8	73.9	97.6	102.2	110.2	112.8	112.8	103.5	99.3	70.9	67.8	110.8	112.8
	2007	94.7	93.7	77.0	87.4	97.7	108.1	113.7	116.4	109.0	100.9	73.6	70.3	93.7	116.4
	2008	103.2	88.2	76.4	81.6	92.8	113.0	109.7	109.2	105.6	90.0	76.7	90.7	103.2	109.2
	2009	118.0	116.5	90.8	83.1	98.7	114.2	101.7	105.5	96.3	100.7	59.9	80.8	116.5	114.2
	2010	108.3	88.9	78.9	69.1	91.1	98.8	100.4	102.8	94.2	83.8	65.4	105.3	108.3	98.8
	2011	100.9	81.4	56.5	86.9	95.8	100.3	97.2	100.0	94.6	76.5	59.4	61.6	105.3	100.0
	2012	90.6	88.4	68.0	78.5	83.8	81.4	89.7	98.0	98.5	86.4	56.2	71.1	90.6	89.7
	2013	65.9	79.5	80.8	81.8	84.1	81.6	89.3	90.5	87.6	79.0	64.0	58.2	80.8	90.5
	2014	89.4	77.2	50.5	85.4	84.9	91.1	87.8	95.8	96.5	85.9	72.9	72.3	89.4	95.8
	2015	86.0	100.1	72.5	81.4	94.6	105.6	96.9	101.1	93.9	89.6	61.9	68.7	100.1	105.6
Projected	2016	96.4	88.0	71.6	78.1	89.4	96.2	94.6	100.1	94.7	85.9	62.7	69.6	96.4	100.1
	2017	97.6	89.1	72.5	79.1	90.5	97.4	95.7	101.4	95.8	87.0	63.7	70.7	97.6	101.4
	2018	99.1	90.5	73.6	80.4	92.0	98.9	97.3	103.0	97.4	88.4	64.8	71.9	99.1	103.0
	2019	100.8	92.0	74.9	81.8	93.6	100.7	99.0	104.8	99.1	89.9	65.9	73.0	100.8	104.8
	2020	102.4	93.5	76.1	83.1	95.0	102.3	100.5	106.4	100.6	91.3	66.5	73.8	102.4	106.4
	2021	103.4	94.4	76.8	83.9	96.0	103.3	101.5	107.5	101.6	92.2	67.3	74.6	103.4	107.5
	2022	104.7	95.5	77.8	84.9	97.1	104.5	102.7	108.7	102.8	93.3	68.1	75.5	104.7	108.7
	2023	105.9	96.7	78.7	85.9	98.2	105.7	103.9	110.0	104.0	94.4	69.0	76.5	105.9	110.0
	2024	107.3	98.0	79.7	87.1	99.6	107.2	105.3	111.5	105.5	95.7	69.6	77.2	107.3	111.5
	2025	108.3	98.9	80.5	87.8	100.5	108.1	106.3	112.5	106.4	96.6	70.4	78.1	108.3	112.5
Projected	2026	109.5	100.0	81.4	88.8	101.6	109.3	107.5	113.8	107.6	97.7	71.2	79.0	109.5	113.8
	2027	110.8	101.1	82.3	89.8	102.8	110.6	108.7	115.1	108.8	98.8	72.2	80.0	110.8	115.1
	2028	112.2	102.5	83.4	91.0	104.1	112.0	110.1	116.6	110.3	100.1	72.7	80.7	112.2	116.6
	2029	113.1	103.3	84.1	91.8	105.0	112.9	111.0	117.5	111.2	100.9	73.5	81.5	113.1	117.5
	2030	114.3	104.3	84.9	92.7	106.0	114.1	112.1	118.7	112.3	101.9	74.2	82.2	114.3	118.7
	2031	115.3	105.3	85.7	93.5	107.0	115.1	113.2	119.8	113.3	102.9	75.0	83.2	115.3	119.8
	2032	116.6	106.5	86.7	94.6	108.2	116.4	114.5	121.2	114.6	104.0	75.5	83.7	116.6	121.2
	2033	117.4	107.2	87.2	95.2	108.9	117.2	115.2	122.0	115.3	104.7	76.1	84.4	117.4	122.0
	2034	118.4	108.1	88.0	96.0	109.9	118.2	116.2	123.0	116.3	105.6	76.8	85.2	118.4	123.0
	2035	119.4	109.0	88.7	96.8	110.8	119.2	117.2	124.1	117.3	106.5	77.6	86.1	119.4	124.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										95.9%	100.0%	100.0%		
	2006	98.6%	100.0%	97.0%	100.0%	99.7%	100.0%	100.0%	97.4%	98.7%	100.0%	91.6%	88.2%	100.0%	97.4%
	2007	100.0%	98.0%	95.4%	99.7%	100.0%	100.0%	99.9%	99.1%	100.0%	98.4%	100.0%	90.1%	98.0%	99.1%
	2008	100.0%	100.0%	100.0%	96.0%	94.8%	100.0%	100.0%	99.9%	100.0%	95.9%	92.8%	100.0%	100.0%	96.6%
	2009	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	96.1%	99.2%	97.3%	98.1%	91.4%	100.0%	98.7%	100.0%
	2010	97.6%	98.2%	98.1%	92.3%	92.7%	92.0%	93.2%	93.5%	90.9%	91.8%	93.2%	98.6%	97.6%	89.8%
	2011	99.7%	100.0%	88.4%	92.7%	100.0%	96.2%	95.2%	93.8%	96.3%	100.0%	92.8%	93.5%	98.6%	93.8%
	2012	96.3%	100.0%	90.1%	93.0%	92.8%	85.2%	89.5%	97.5%	99.9%	99.3%	92.2%	99.6%	96.3%	89.2%
	2013	95.7%	98.2%	95.6%	98.2%	94.6%	83.5%	93.1%	91.3%	90.1%	94.4%	90.3%	88.2%	95.6%	91.3%
	2014	97.9%	100.0%	83.5%	100.0%	93.0%	96.3%	92.9%	95.8%	98.8%	100.0%	95.5%	97.4%	97.9%	95.8%
	2015	100.0%	100.0%	94.6%	100.0%	99.8%	98.6%	99.4%	96.0%	97.3%	98.1%	96.2%	97.7%	100.0%	98.6%
Projected	2016	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2017	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2018	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2019	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2020	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2021	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2022	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2023	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2024	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2025	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%
	2006-2015	98.6%	99.4%	94.3%	97.2%	96.7%	95.2%	95.9%	96.4%	96.9%	97.6%	93.6%	95.3%	98.3%	95.2%
	2016-2025	99.6%	100.0%	94.5%	99.2%	97.3%	96.4%	97.2%	97.5%	98.9%	98.1%	96.2%	97.7%	99.6%	97.5%

# FMPA 2016 Load Forecast - Base Case - Leesburg

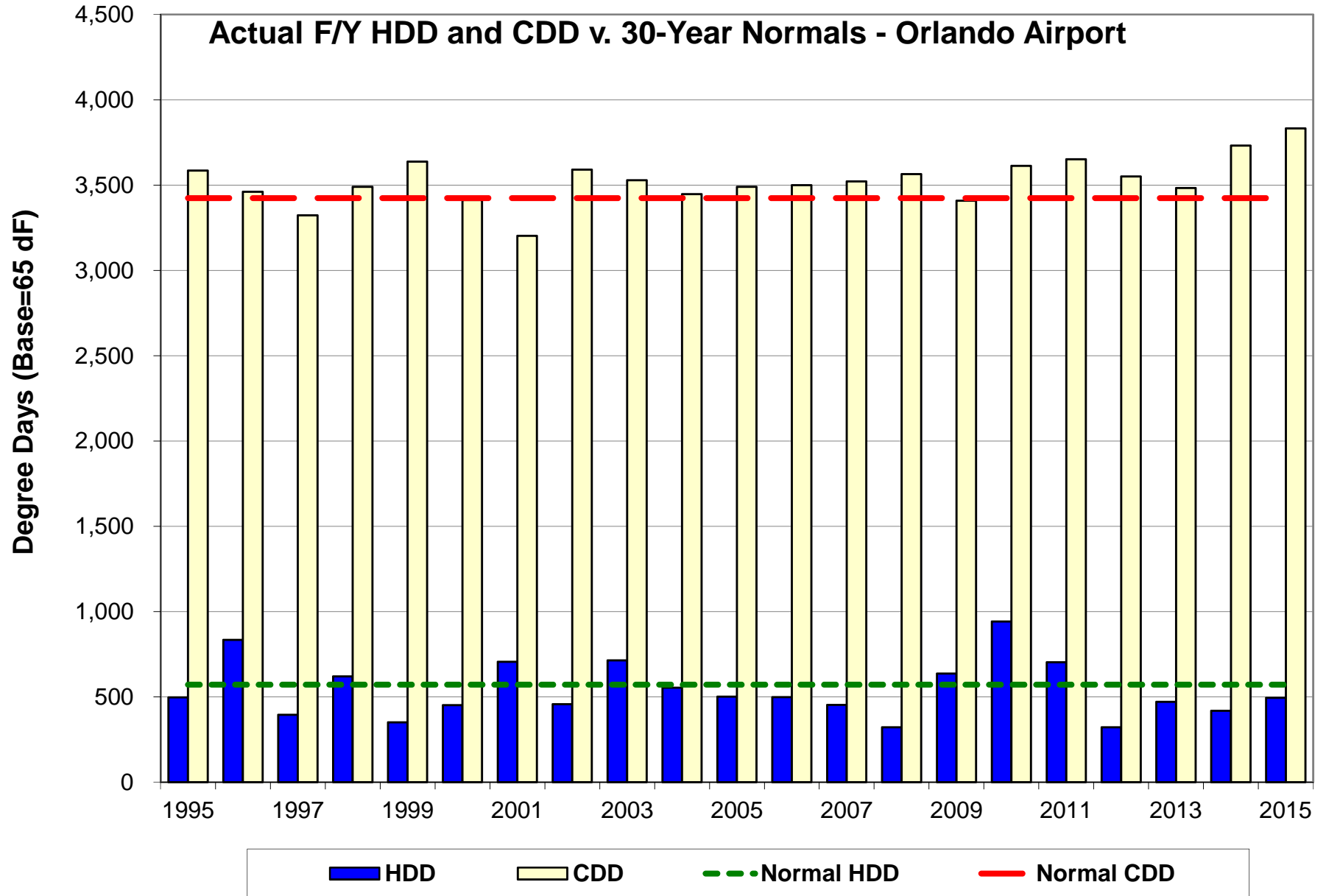
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

	Fiscal Year	Residential						General Service						City		Lights		TOTAL SALES		DISTR. LOSSES	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg		(MWh)	% Chg
Historical	2006	226,475		17,407		13,010		275,546		3,026		91.1		14,684		7,357		524,063		20,518	544,581	
	2007	220,486	-2.6%	17,841	2.5%	12,358	-5.0%	265,367	-3.7%	3,095	2.3%	85.7	-5.8%	14,827	1.0%	7,804	6.1%	508,484	-3.0%	21,704	530,188	-2.6%
	2008	211,043	-4.3%	17,733	-0.6%	11,901	-3.7%	265,971	0.2%	3,207	3.6%	82.9	-3.3%	15,354	3.6%	8,092	3.7%	500,460	-1.6%	18,730	519,190	-2.1%
	2009	210,507	-0.3%	17,666	-0.4%	11,916	0.1%	269,245	1.2%	3,127	-2.5%	86.1	3.8%	14,883	-3.1%	8,005	-1.1%	502,640	0.4%	20,267	522,907	0.7%
	2010	227,653	8.1%	17,719	0.3%	12,848	7.8%	253,879	-5.7%	3,066	-1.9%	82.8	-3.8%	15,186	2.0%	7,681	-4.0%	504,399	0.4%	17,933	522,333	-0.1%
	2011	218,688	-3.9%	17,795	0.4%	12,289	-4.4%	239,294	-5.7%	3,011	-1.8%	79.5	-1.8%	15,695	3.4%	7,623	-0.8%	481,300	-4.6%	18,270	499,570	-4.4%
	2012	197,704	-9.6%	17,739	-0.3%	11,145	-9.3%	230,966	-3.5%	2,974	-1.2%	77.7	-2.3%	15,239	-2.9%	7,260	-4.8%	451,169	-6.3%	17,984	469,153	-6.1%
	2013	201,419	1.9%	17,967	1.3%	11,211	0.6%	231,802	0.4%	3,028	1.8%	76.5	-1.4%	14,931	-2.0%	7,423	2.2%	455,575	1.0%	13,071	468,646	-0.1%
	2014	206,760	2.7%	18,534	3.2%	11,156	-0.5%	215,062	-7.2%	3,051	0.8%	70.5	-7.9%	15,439	3.4%	7,536	1.5%	444,797	-2.4%	20,967	465,764	-0.6%
	2015	214,577	3.8%	18,791	1.4%	11,419	2.4%	220,826	2.7%	3,189	4.5%	69.2	-1.7%	15,352	-0.6%	7,610	1.0%	458,366	3.1%	20,500	478,866	2.8%
Projected	2016	209,205	-2.5%	19,183	2.1%	10,906	-4.5%	218,426	-1.1%	3,444	8.0%	63.4	-8.4%	15,430	0.5%	7,610	0.0%	450,672	-1.7%	19,543	470,214	-1.8%
	2017	212,222	1.4%	19,589	2.1%	10,833	-0.7%	220,476	0.9%	3,473	0.8%	63.5	0.1%	15,957	3.4%	7,610	0.0%	456,265	1.2%	19,217	475,482	1.1%
	2018	216,202	1.9%	19,994	2.1%	10,813	-0.2%	223,110	1.2%	3,504	0.9%	63.7	0.3%	16,208	1.6%	7,610	0.0%	463,130	1.5%	19,502	482,633	1.5%
	2019	221,224	2.3%	20,400	2.0%	10,844	0.3%	226,048	1.3%	3,535	0.9%	63.9	0.4%	16,441	1.4%	7,610	0.0%	471,322	1.8%	19,842	491,165	1.8%
	2020	224,650	1.5%	20,672	1.3%	10,867	0.2%	229,222	1.4%	3,568	0.9%	64.2	0.5%	16,685	1.5%	7,610	0.0%	478,167	1.5%	21,265	499,431	1.7%
	2021	227,011	1.1%	20,835	0.8%	10,896	0.3%	232,445	1.4%	3,601	0.9%	64.5	0.5%	16,933	1.5%	7,610	0.0%	483,999	1.2%	20,360	504,359	1.0%
	2022	229,373	1.0%	20,999	0.8%	10,923	0.3%	235,592	1.4%	3,634	0.9%	64.8	0.4%	17,175	1.4%	7,610	0.0%	489,750	1.2%	20,602	510,352	1.2%
	2023	231,682	1.0%	21,161	0.8%	10,949	0.2%	238,771	1.3%	3,666	0.9%	65.1	0.4%	17,420	1.4%	7,610	0.0%	495,483	1.2%	20,844	516,327	1.2%
	2024	233,967	1.0%	21,320	0.8%	10,974	0.2%	241,941	1.3%	3,699	0.9%	65.4	0.4%	17,665	1.4%	7,610	0.0%	501,183	1.2%	22,290	523,473	1.4%
	2025	236,241	1.0%	21,479	0.7%	10,999	0.2%	245,099	1.3%	3,731	0.9%	65.7	0.4%	17,908	1.4%	7,610	0.0%	506,858	1.1%	21,323	528,181	0.9%
	2026	238,523	1.0%	21,639	0.7%	11,023	0.2%	248,299	1.3%	3,763	0.9%	66.0	0.4%	18,155	1.4%	7,610	0.0%	512,588	1.1%	21,565	534,153	1.1%
	2027	240,812	1.0%	21,796	0.7%	11,048	0.2%	251,570	1.3%	3,796	0.9%	66.3	0.4%	18,408	1.4%	7,610	0.0%	518,400	1.1%	21,811	540,211	1.1%
	2028	243,065	0.9%	21,948	0.7%	11,075	0.2%	254,794	1.3%	3,829	0.9%	66.5	0.4%	18,657	1.4%	7,610	0.0%	524,126	1.1%	23,312	547,438	1.3%
	2029	245,205	0.9%	22,087	0.6%	11,102	0.2%	257,892	1.2%	3,860	0.8%	66.8	0.4%	18,898	1.3%	7,610	0.0%	529,605	1.0%	22,281	551,886	0.8%
	2030	247,291	0.9%	22,222	0.6%	11,128	0.2%	260,898	1.2%	3,890	0.8%	67.1	0.4%	19,130	1.2%	7,610	0.0%	534,930	1.0%	22,505	557,435	1.0%
	2031	249,319	0.8%	22,354	0.6%	11,153	0.2%	263,761	1.1%	3,919	0.7%	67.3	0.4%	19,352	1.2%	7,610	0.0%	540,042	1.0%	22,718	562,760	1.0%
	2032	251,245	0.8%	22,481	0.6%	11,176	0.2%	266,476	1.0%	3,946	0.7%	67.5	0.3%	19,563	1.1%	7,610	0.0%	544,894	0.9%	24,233	569,127	1.1%
	2033	253,106	0.7%	22,608	0.6%	11,196	0.2%	269,184	1.0%	3,974	0.7%	67.7	0.3%	19,773	1.1%	7,610	0.0%	549,673	0.9%	23,123	572,796	0.6%
	2034	254,951	0.7%	22,734	0.6%	11,215	0.2%	271,878	1.0%	4,001	0.7%	68.0	0.3%	19,982	1.1%	7,610	0.0%	554,421	0.9%	23,323	577,744	0.9%
	2035	256,800	0.7%	22,862	0.6%	11,233	0.2%	274,605	1.0%	4,028	0.7%	68.2	0.3%	20,194	1.1%	7,610	0.0%	559,209	0.9%	23,526	582,735	0.9%
CAGR	2006-2015		-0.6%		0.9%		-1.4%		-2.4%		0.6%		-3.0%		0.5%		0.4%		-1.5%			-1.4%
	2016-2025		1.4%		1.3%		0.1%		1.3%		0.9%		0.4%		1.7%		0.0%		1.3%			1.3%
	2026-2035		0.8%		0.6%		0.2%		1.1%		0.8%		0.4%		1.2%		0.0%		1.0%			1.0%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Leesburg (Lake County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	178.7	-	73.5	-	68.8	-	4.15	-	5,104	-	4,854	-	66,010	-
1996	185.5	3.8%	76.7	4.3%	73.4	6.7%	4.61	11.0%	5,482	7.4%	5,197	7.1%	67,720	2.6%
1997	192.6	3.8%	80.2	4.4%	77.6	5.8%	4.42	-4.0%	5,653	3.1%	5,552	6.8%	69,269	2.3%
1998	199.5	3.6%	83.4	4.1%	82.4	6.1%	4.50	1.9%	6,134	8.5%	6,053	9.0%	72,533	4.7%
1999	206.0	3.2%	86.3	3.4%	84.1	2.1%	4.24	-5.9%	6,404	4.4%	6,381	5.4%	73,958	2.0%
2000	213.2	3.5%	89.4	3.6%	86.7	3.1%	4.51	6.5%	6,639	3.7%	6,767	6.1%	75,713	2.4%
2001	223.1	4.6%	93.6	4.7%	89.6	3.3%	4.55	0.8%	7,017	5.7%	7,192	6.3%	76,839	1.5%
2002	232.4	4.2%	97.8	4.5%	92.8	3.6%	4.11	-9.6%	7,531	7.3%	7,332	2.0%	74,992	-2.4%
2003	242.7	4.5%	102.5	4.8%	97.2	4.8%	4.02	-2.2%	8,188	8.7%	7,782	6.1%	75,937	1.3%
2004	256.0	5.5%	108.0	5.4%	105.6	8.6%	4.39	9.1%	9,071	10.8%	8,297	6.6%	76,828	1.2%
2005	268.6	4.9%	113.0	4.7%	111.3	5.5%	4.68	6.7%	9,728	7.2%	8,792	6.0%	77,783	1.2%
2006	281.8	4.9%	117.8	4.3%	119.0	6.9%	4.67	-0.3%	10,272	5.6%	9,462	7.6%	80,292	3.2%
2007	290.4	3.1%	120.4	2.2%	122.1	2.6%	4.32	-7.4%	10,218	-0.5%	9,886	4.5%	82,083	2.2%
2008	294.0	1.3%	120.9	0.4%	121.4	-0.6%	3.97	-8.3%	10,003	-2.1%	9,826	-0.6%	81,263	-1.0%
2009	296.1	0.7%	120.6	-0.3%	117.3	-3.4%	3.22	-18.8%	9,530	-4.7%	9,452	-3.8%	78,378	-3.6%
2010	298.7	0.9%	122.0	1.2%	117.1	-0.1%	3.05	-5.4%	9,458	-0.8%	9,741	3.1%	79,842	1.9%
2011	300.9	0.7%	123.5	1.2%	120.5	2.9%	3.34	9.6%	9,339	-1.3%	9,875	1.4%	79,972	0.2%
2012	304.2	1.1%	124.6	0.9%	123.4	2.4%	3.54	5.9%	9,371	0.3%	10,059	1.9%	80,751	1.0%
2013	309.0	1.6%	125.6	0.8%	125.4	1.6%	3.27	-7.5%	9,550	1.9%	10,107	0.5%	80,494	-0.3%
2014	316.6	2.4%	128.9	2.7%	128.5	2.4%	3.38	3.4%	9,816	2.8%	10,532	4.2%	81,685	1.5%
2015	322.7	2.0%	131.7	2.1%	132.0	2.7%	3.40	0.6%	10,151	3.4%	10,951	4.0%	83,157	1.8%
2016	329.3	2.0%	134.6	2.2%	135.3	2.5%	3.42	0.4%	10,521	3.6%	11,350	3.6%	84,327	1.4%
2017	336.1	2.1%	137.5	2.2%	138.5	2.4%	3.46	1.3%	10,923	3.8%	11,778	3.8%	85,656	1.6%
2018	343.2	2.1%	140.5	2.2%	141.7	2.3%	3.50	1.3%	11,344	3.9%	12,222	3.8%	86,994	1.6%
2019	350.5	2.1%	143.6	2.2%	144.9	2.3%	3.54	1.0%	11,773	3.8%	12,704	3.9%	88,454	1.7%
2020	358.0	2.2%	146.9	2.3%	148.1	2.2%	3.58	1.2%	12,221	3.8%	13,221	4.1%	90,000	1.7%
2021	365.8	2.2%	150.3	2.3%	151.4	2.2%	3.63	1.4%	12,643	3.5%	13,728	3.8%	91,359	1.5%
2022	373.9	2.2%	153.7	2.3%	154.9	2.3%	3.69	1.4%	13,131	3.9%	14,257	3.9%	92,798	1.6%
2023	382.2	2.2%	157.1	2.2%	158.4	2.2%	3.73	1.3%	13,663	4.1%	14,799	3.8%	94,227	1.5%
2024	390.8	2.2%	160.5	2.2%	161.8	2.2%	3.78	1.2%	14,190	3.9%	15,350	3.7%	95,634	1.5%
2025	399.4	2.2%	164.0	2.2%	165.3	2.1%	3.80	0.7%	14,713	3.7%	15,917	3.7%	97,083	1.5%
2026	408.3	2.2%	167.5	2.1%	168.8	2.2%	3.82	0.6%	15,284	3.9%	16,516	3.8%	98,634	1.6%
2027	417.0	2.1%	171.0	2.1%	172.3	2.1%	3.85	0.6%	15,853	3.7%	17,130	3.7%	100,224	1.6%
2028	425.7	2.1%	174.2	1.9%	175.8	2.0%	3.86	0.3%	16,388	3.4%	17,733	3.5%	101,839	1.6%
2029	434.3	2.0%	177.3	1.8%	179.2	1.9%	3.86	0.1%	16,919	3.2%	18,333	3.4%	103,425	1.6%
2030	443.0	2.0%	180.4	1.7%	182.5	1.8%	3.86	0.0%	17,430	3.0%	18,928	3.2%	104,977	1.5%
2031	451.6	1.9%	183.4	1.7%	185.9	1.9%	3.86	0.0%	17,973	3.1%	19,491	3.0%	106,343	1.3%
2032	460.3	1.9%	186.4	1.6%	189.5	1.9%	3.86	0.0%	18,535	3.1%	20,068	3.0%	107,736	1.3%
2033	469.1	1.9%	189.4	1.6%	192.9	1.8%	3.86	0.0%	19,102	3.1%	20,650	2.9%	109,100	1.3%
2034	478.0	1.9%	192.5	1.6%	196.3	1.7%	3.86	-0.1%	19,686	3.1%	21,247	2.9%	110,451	1.2%
2035	487.0	1.9%	195.6	1.6%	199.6	1.7%	3.85	-0.1%	20,294	3.1%	21,870	2.9%	111,867	1.3%
Average Percent Change														
2005-2015	1.9%		1.5%		1.7%		-3.1%		0.4%		2.2%		0.7%	
2016-2025	2.2%		2.2%		2.2%		1.2%		3.8%		3.8%		1.6%	
2026-2035	2.0%		1.8%		1.9%		0.1%		3.3%		3.2%		1.4%	



Newberry

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FMPA 2016 Load Forecast - Base Case  
**Newberry**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	31,088	-	30,745	-	-1.1%	7.3	-	6.8	-	-6.5%	6.7	-	7.3		8.3%
	2007	31,722	2.0%	32,157	4.6%	1.4%	6.4	-11.8%	6.6	-3.0%	2.8%	7.5	12.1%	7.3	0.6%	-2.9%
	2008	31,835	0.4%	32,149	0.0%	1.0%	6.7	3.7%	7.1	6.7%	5.8%	7.2	-4.5%	7.2	-1.8%	-0.2%
	2009	33,043	3.8%	32,891	2.3%	-0.5%	8.0	19.9%	7.4	4.4%	-7.9%	7.7	6.9%	7.7	7.1%	0.0%
	2010	34,567	4.6%	32,540	-1.1%	-5.9%	9.5	18.0%	7.5	2.0%	-20.5%	7.6	-1.4%	6.9	-9.7%	-8.4%
	2011	33,524	-3.0%	31,876	-2.0%	-4.9%	8.1	-14.7%	7.7	2.7%	-4.2%	7.2	-5.2%	6.4	-7.4%	-10.6%
	2012	31,688	-5.5%	32,010	0.4%	1.0%	7.8	-3.3%	7.8	0.6%	-0.3%	6.3	-12.3%	7.0	9.5%	11.7%
	2013	32,137	1.4%	32,209	0.6%	0.2%	7.4	-5.2%	6.8	-11.9%	-7.4%	7.3	16.3%	7.6	8.2%	3.8%
	2014	34,298	6.7%	34,337	6.6%	0.1%	7.6	2.6%	7.7	12.7%	1.7%	7.8	7.3%	8.2	7.6%	4.1%
	2015	36,047	5.1%	35,103	2.2%	-2.6%	8.7	14.2%	7.4	-4.0%	-14.5%	7.8	-0.2%	8.8	7.9%	12.6%
Projected	2016	36,630	1.6%	36,630	4.4%		8.6	-1.1%	8.6	15.6%		8.1	3.2%	8.1	-8.4%	
	2017			37,340	1.9%				8.7	1.6%				8.2	1.6%	
	2018			37,936	1.6%				8.8	1.7%				8.3	1.7%	
	2019			38,685	2.0%				9.0	2.0%				8.5	2.0%	
	2020			39,550	2.2%				9.2	2.2%				8.7	2.2%	
	2021			40,266	1.8%				9.4	1.8%				8.9	1.8%	
	2022			41,058	2.0%				9.6	2.0%				9.0	2.0%	
	2023			41,839	1.9%				9.8	1.9%				9.2	1.9%	
	2024			42,690	2.0%				10.0	2.0%				9.4	2.0%	
	2025			43,359	1.6%				10.1	1.6%				9.5	1.6%	
	2026			44,105	1.7%				10.3	1.7%				9.7	1.7%	
	2027			44,867	1.7%				10.5	1.7%				9.9	1.7%	
	2028			45,747	2.0%				10.7	2.0%				10.1	2.0%	
	2029			46,459	1.6%				10.8	1.5%				10.2	1.5%	
	2030			47,252	1.7%				11.0	1.7%				10.4	1.7%	
	2031			48,024	1.6%				11.2	1.6%				10.6	1.6%	
	2032			48,877	1.8%				11.4	1.8%				10.7	1.8%	
	2033			49,539	1.4%				11.5	1.4%				10.9	1.4%	
	2034			50,311	1.6%				11.7	1.6%				11.1	1.6%	
	2035			51,096	1.6%				11.9	1.6%				11.2	1.6%	
CAGR <sup>[3]</sup>	2006-2015		1.7%		1.5%			1.9%		0.9%			1.7%		2.2%	
	2016-2025				1.9%					1.9%					1.9%	
	2026-2035				1.6%					1.6%					1.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate



**FMPA 2016 Load Forecast - Base Case**  
**Newberry**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	31,088	-	31,088	-	7.3	6.8	7.3	6.8	7.3	6.7	7.3	6.7
	2007	31,722	2.0%	31,722	2.0%	6.7	7.6	6.7	7.6	6.4	7.5	6.4	7.5
	2008	31,835	0.4%	31,835	0.4%	6.8	7.2	6.8	7.2	6.7	7.2	6.7	7.2
	2009	33,043	3.8%	33,043	3.8%	8.6	7.7	8.6	7.7	8.0	7.7	8.0	7.7
	2010	34,567	4.6%	34,567	4.6%	9.5	7.6	9.5	7.6	9.5	7.6	9.5	7.6
	2011	33,524	-3.0%	33,524	-3.0%	8.7	7.5	8.7	7.5	8.1	7.2	8.1	7.2
	2012	31,688	-5.5%	31,688	-5.5%	7.8	7.5	7.8	7.5	7.8	6.3	7.8	6.3
	2013	32,137	1.4%	32,137	1.4%	7.4	7.5	7.4	7.5	7.4	7.3	7.4	7.3
	2014	34,298	6.7%	34,298	6.7%	7.7	7.8	7.7	7.8	7.6	7.8	7.6	7.8
	2015	36,047	5.1%	35,183	2.6%	8.8	8.5	8.5	7.9	8.7	7.8	8.3	7.6
Projected	2016	36,630	1.6%	35,980	2.3%	8.8	8.4	8.6	8.0	8.6	8.1	8.5	7.7
	2017	37,340	1.9%	36,437	1.3%	8.9	8.5	8.8	8.2	8.7	8.2	8.6	7.8
	2018	37,936	1.6%	37,227	2.2%	9.0	8.7	9.0	8.3	8.8	8.3	8.8	8.0
	2019	38,685	2.0%	38,100	2.3%	9.2	8.9	9.2	8.5	9.0	8.5	9.0	8.2
	2020	39,550	2.2%	39,062	2.5%	9.4	9.1	9.4	8.8	9.2	8.7	9.2	8.4
	2021	40,266	1.8%	39,860	2.0%	9.6	9.2	9.6	8.9	9.4	8.9	9.4	8.6
	2022	41,058	2.0%	40,735	2.2%	9.8	9.4	9.8	9.1	9.6	9.0	9.6	8.7
	2023	41,839	1.9%	41,608	2.1%	10.0	9.6	10.0	9.3	9.8	9.2	9.8	8.9
	2024	42,690	2.0%	42,570	2.3%	10.2	9.8	10.2	9.5	10.0	9.4	10.1	9.1
	2025	43,359	1.6%	43,354	1.8%	10.3	9.9	10.4	9.7	10.1	9.5	10.2	9.3
	2026	44,105	1.7%	44,235	2.0%	10.5	10.1	10.6	9.9	10.3	9.7	10.5	9.5
	2027	44,867	1.7%	45,132	2.0%	10.7	10.3	10.9	10.1	10.5	9.9	10.7	9.7
	2028	45,747	2.0%	46,138	2.2%	10.9	10.5	11.1	10.3	10.7	10.1	10.9	9.9
	2029	46,459	1.6%	46,944	1.7%	11.1	10.6	11.3	10.5	10.8	10.2	11.1	10.1
	2030	47,252	1.7%	47,832	1.9%	11.3	10.8	11.5	10.7	11.0	10.4	11.3	10.3
	2031	48,024	1.6%	48,708	1.8%	11.4	11.0	11.7	10.9	11.2	10.6	11.5	10.4
	2032	48,877	1.8%	49,687	2.0%	11.6	11.2	12.0	11.1	11.4	10.7	11.7	10.7
	2033	49,539	1.4%	50,471	1.6%	11.8	11.3	12.1	11.3	11.5	10.9	11.9	10.8
	2034	50,311	1.6%	51,379	1.8%	12.0	11.5	12.4	11.5	11.7	11.1	12.1	11.0
	2035	51,096	1.6%			12.2	11.7			11.9	11.2		
CAGR <sup>[1]</sup>	Historical		1.7%		1.2%	2.1%	2.5%	0.6%	1.9%	3.8%	0.5%	2.4%	0.6%
	1st 10 Prj Yrs		1.9%		2.1%	1.9%	1.9%	2.1%	2.1%	1.9%	1.9%	2.1%	2.1%
	2nd 10 Prj Yrs		1.6%		1.9%	1.6%	1.6%	1.9%	1.9%	1.6%	1.6%	1.9%	1.9%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**

**Newberry**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	2,378	2,293	2,200	2,248	2,665	2,857	3,109	3,354	2,875	2,423	2,181	2,327	30,911	31,088
	2007	2,460	2,311	2,282	2,181	2,641	2,959	3,237	3,643	3,076	2,690	2,203	2,344	32,029	31,722
	2008	2,601	2,251	2,301	2,321	2,846	3,016	3,120	3,120	3,021	2,516	2,470	2,535	32,120	31,835
	2009	2,837	2,542	2,367	2,235	2,708	3,284	3,257	3,231	3,061	2,735	2,159	2,614	33,029	33,043
	2010	3,321	2,813	2,492	2,199	2,999	3,321	3,420	3,417	3,077	2,405	2,231	3,326	35,021	34,567
	2011	2,960	2,245	2,176	2,413	2,857	3,181	3,271	3,504	2,955	2,340	2,175	2,329	32,406	33,524
	2012	2,569	2,171	2,332	2,332	2,953	2,962	3,353	3,189	2,984	2,572	2,265	2,493	32,174	31,688
	2013	2,407	2,262	2,495	2,376	2,679	3,081	3,095	3,356	3,058	2,657	2,320	2,522	32,307	32,137
	2014	3,221	2,382	2,417	2,405	2,886	3,194	3,481	3,610	3,202	2,712	2,623	2,707	34,842	34,298
	2015	2,928	2,754	2,516	2,685	3,204	3,500	3,625	3,597	3,195	2,730	2,584	2,982	36,300	36,047
Projected	2016	3,170	2,789	2,731	2,589	3,037	3,466	3,592	3,686	3,273	2,871	2,644	3,030	36,879	36,630
	2017	3,257	2,781	2,786	2,640	3,091	3,521	3,648	3,746	3,326	2,920	2,685	3,073	37,474	37,340
	2018	3,305	2,823	2,827	2,679	3,140	3,577	3,709	3,811	3,386	2,973	2,736	3,132	38,099	37,936
	2019	3,370	2,878	2,883	2,733	3,202	3,649	3,785	3,889	3,455	3,034	2,791	3,196	38,865	38,685
	2020	3,439	3,016	2,942	2,788	3,267	3,723	3,862	3,968	3,525	3,095	2,847	3,261	39,732	39,550
	2021	3,510	2,998	3,001	2,843	3,331	3,798	3,939	4,047	3,595	3,156	2,903	3,326	40,448	40,266
	2022	3,581	3,058	3,060	2,899	3,396	3,872	4,017	4,126	3,665	3,216	2,959	3,391	41,239	41,058
	2023	3,651	3,117	3,119	2,953	3,460	3,945	4,093	4,203	3,733	3,276	3,013	3,454	42,016	41,839
	2024	3,719	3,260	3,176	3,007	3,522	4,017	4,167	4,279	3,800	3,334	3,067	3,516	42,865	42,690
	2025	3,787	3,232	3,232	3,060	3,584	4,087	4,240	4,354	3,866	3,392	3,120	3,577	43,530	43,359
Projected	2026	3,853	3,289	3,288	3,112	3,644	4,157	4,313	4,428	3,932	3,449	3,173	3,639	44,278	44,105
	2027	3,921	3,346	3,344	3,165	3,707	4,229	4,388	4,505	4,000	3,509	3,228	3,703	45,045	44,867
	2028	3,990	3,497	3,403	3,221	3,772	4,303	4,466	4,584	4,071	3,571	3,285	3,769	45,931	45,747
	2029	4,062	3,466	3,463	3,277	3,837	4,378	4,544	4,664	4,141	3,632	3,342	3,834	46,842	46,459
	2030	4,133	3,527	3,522	3,333	3,902	4,452	4,622	4,743	4,211	3,693	3,397	3,898	47,432	47,252
	2031	4,202	3,585	3,580	3,387	3,965	4,524	4,696	4,819	4,278	3,751	3,451	3,960	48,198	48,024
	2032	4,269	3,740	3,636	3,440	4,027	4,595	4,770	4,894	4,344	3,809	3,504	4,022	49,051	48,877
	2033	4,337	3,700	3,693	3,493	4,089	4,666	4,844	4,970	4,412	3,868	3,559	4,085	49,715	49,539
	2034	4,405	3,758	3,751	3,547	4,152	4,739	4,920	5,047	4,480	3,928	3,614	4,149	50,490	50,311
	2035	4,475	3,817	3,809	3,602	4,216	4,813	4,997	5,126	4,550	3,989	3,670	4,215	51,279	51,096

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.4%	7.4%	7.1%	7.3%	8.6%	9.2%	10.1%	10.9%	9.3%	7.8%	7.1%	7.5%	100.0%
	2007	7.7%	7.2%	7.1%	6.8%	8.2%	9.2%	10.1%	11.4%	9.6%	8.4%	6.9%	7.3%	100.0%
	2008	8.1%	7.0%	7.2%	7.2%	8.9%	9.4%	9.7%	9.7%	9.4%	7.8%	7.7%	7.9%	100.0%
	2009	8.6%	7.7%	7.2%	6.8%	8.2%	9.9%	9.9%	9.8%	9.3%	8.3%	6.5%	7.9%	100.0%
	2010	9.5%	8.0%	7.1%	6.3%	8.6%	9.5%	9.8%	9.8%	8.8%	6.9%	6.4%	9.5%	100.0%
	2011	9.1%	6.9%	6.7%	7.4%	8.8%	9.8%	10.1%	10.8%	9.1%	7.2%	6.7%	7.2%	100.0%
	2012	8.0%	6.7%	7.2%	7.2%	9.2%	9.2%	10.4%	9.9%	9.3%	8.0%	7.0%	7.7%	100.0%
	2013	7.5%	7.0%	7.7%	7.4%	8.3%	9.5%	9.6%	10.4%	9.5%	8.2%	7.2%	7.8%	100.0%
	2014	9.2%	6.8%	6.9%	6.9%	8.3%	9.2%	10.0%	10.4%	9.2%	7.8%	7.5%	7.8%	100.0%
	2015	8.1%	7.6%	6.9%	7.4%	8.8%	9.6%	10.0%	9.9%	8.8%	7.5%	7.1%	8.2%	100.0%
Projected	2016	8.6%	7.6%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2017	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2018	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2019	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2020	8.7%	7.6%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2021	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2022	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2023	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2024	8.7%	7.6%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
	2025	8.7%	7.4%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%
Avg.	2006-2015	8.3%	7.2%	7.1%	7.1%	8.6%	9.5%	10.0%	10.3%	9.2%	7.8%	7.0%	7.9%	100.0%
	2016-2025	8.7%	7.5%	7.4%	7.0%	8.2%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.2%	100.0%

1      2      3      4      5      6      7      8      9      10      11      12

FMPA 2016 Load Forecast - Base Case  
**Newberry**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	6.5	7.3	5.1	5.8	5.9	6.4	6.6	6.8	6.5	5.4	4.8	5.5	7.3	6.8
	2007	6.7	6.7	5.7	4.8	5.6	6.7	7.1	7.6	6.8	6.0	5.2	5.8	6.7	7.6
	2008	6.8	6.2	5.1	5.0	6.4	7.1	6.8	7.2	7.0	5.7	6.6	6.9	6.8	7.2
	2009	8.6	8.2	6.5	5.1	6.2	7.7	7.0	7.2	6.9	7.0	4.4	6.2	8.6	7.7
	2010	9.5	7.8	6.9	4.9	6.4	7.6	7.5	7.5	7.2	5.7	5.3	8.2	9.5	7.6
	2011	8.7	6.7	4.4	6.1	6.9	7.4	7.2	7.5	6.7	5.2	5.0	5.6	8.7	7.5
	2012	7.8	7.7	5.3	6.2	6.8	7.0	7.5	7.1	6.7	6.2	6.2	6.4	7.8	7.5
	2013	6.0	7.3	7.4	5.6	6.5	7.1	7.1	7.5	7.2	6.3	6.2	6.4	7.4	7.5
	2014	7.7	7.1	5.8	5.9	6.7	7.4	7.5	7.8	7.4	6.4	8.4	6.7	7.7	7.8
Projected	2015	7.3	8.8	5.4	6.2	7.4	8.5	8.1	7.8	7.5	6.8	6.5	7.0	8.8	8.5
	2016	8.8	8.2	5.8	6.0	7.3	8.1	7.9	8.4	7.8	6.7	6.6	7.1	8.8	8.4
	2017	8.9	8.3	5.9	6.1	7.4	8.2	8.1	8.5	7.9	6.8	6.7	7.2	8.9	8.5
	2018	9.0	8.5	6.0	6.2	7.5	8.4	8.2	8.7	8.0	6.9	6.8	7.4	9.0	8.7
	2019	9.2	8.7	6.1	6.3	7.7	8.5	8.4	8.9	8.2	7.1	7.0	7.5	9.2	8.9
	2020	9.4	8.8	6.3	6.4	7.9	8.7	8.5	9.1	8.4	7.2	7.1	7.7	9.4	9.1
	2021	9.6	9.0	6.4	6.6	8.0	8.9	8.7	9.2	8.5	7.4	7.2	7.8	9.6	9.2
	2022	9.8	9.2	6.5	6.7	8.2	9.1	8.9	9.4	8.7	7.5	7.4	8.0	9.8	9.4
	2023	10.0	9.4	6.6	6.8	8.3	9.2	9.0	9.6	8.8	7.7	7.5	8.1	10.0	9.6
Projected	2024	10.2	9.5	6.8	6.9	8.5	9.4	9.2	9.8	9.0	7.8	7.6	8.3	10.2	9.8
	2025	10.3	9.7	6.9	7.0	8.6	9.6	9.4	9.9	9.2	7.9	7.7	8.4	10.3	9.9
	2026	10.5	9.9	7.0	7.2	8.8	9.7	9.5	10.1	9.3	8.1	7.9	8.5	10.5	10.1
	2027	10.7	10.0	7.1	7.3	8.9	9.9	9.7	10.3	9.5	8.2	8.0	8.7	10.7	10.3
	2028	10.9	10.2	7.2	7.4	9.1	10.1	9.9	10.5	9.7	8.4	8.2	8.8	10.9	10.5
	2029	11.1	10.4	7.4	7.6	9.2	10.2	10.0	10.6	9.8	8.5	8.3	9.0	11.1	10.6
	2030	11.3	10.6	7.5	7.7	9.4	10.4	10.2	10.8	10.0	8.6	8.4	9.1	11.3	10.8
	2031	11.4	10.7	7.6	7.8	9.5	10.6	10.4	11.0	10.1	8.8	8.6	9.3	11.4	11.0
	2032	11.6	10.9	7.7	7.9	9.7	10.8	10.6	11.2	10.3	8.9	8.7	9.4	11.6	11.2
Projected	2033	11.8	11.1	7.8	8.1	9.8	10.9	10.7	11.3	10.5	9.1	8.8	9.6	11.8	11.3
	2034	12.0	11.2	8.0	8.2	10.0	11.1	10.9	11.5	10.6	9.2	9.0	9.7	12.0	11.5
	2035	12.2	11.4	8.1	8.3	10.1	11.3	11.0	11.7	10.8	9.3	9.1	9.9	12.2	11.7

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.4%	62.1%	56.7%		
	2006	48.9%	46.7%	57.6%	51.7%	66.9%	59.8%	65.2%	66.6%	61.7%	60.5%	61.0%	58.9%	48.3%	52.1%
	2007	49.1%	51.5%	53.5%	61.7%	70.5%	59.2%	63.5%	64.5%	62.4%	60.2%	56.5%	55.8%	54.3%	48.2%
	2008	51.8%	52.3%	61.1%	62.0%	66.6%	57.1%	63.3%	58.4%	60.3%	59.3%	50.2%	51.0%	54.3%	51.1%
	2009	44.3%	45.9%	48.6%	59.3%	64.9%	57.5%	64.4%	59.9%	61.6%	52.8%	65.4%	58.5%	43.8%	49.1%
	2010	47.2%	53.4%	48.3%	60.6%	69.7%	59.0%	63.5%	61.0%	59.5%	56.8%	56.2%	56.6%	42.2%	52.9%
	2011	45.8%	50.1%	66.0%	53.0%	61.7%	58.0%	63.2%	63.0%	61.4%	60.9%	58.8%	58.0%	42.6%	49.5%
	2012	44.3%	40.6%	59.3%	50.9%	64.6%	56.9%	62.4%	60.4%	61.5%	55.6%	49.3%	54.4%	47.1%	49.2%
	2013	53.6%	45.9%	45.3%	56.8%	61.6%	58.0%	60.8%	59.9%	59.1%	56.5%	50.1%	55.0%	49.9%	49.0%
Projected	2014	56.4%	49.6%	55.5%	54.5%	64.5%	57.7%	64.1%	61.9%	59.9%	57.2%	41.8%	56.0%	51.8%	50.7%
	2015	54.1%	46.4%	62.6%	57.8%	64.6%	55.6%	62.4%	62.2%	59.3%	54.3%	53.8%	59.2%	46.9%	49.0%
	2016	48.7%	48.8%	63.1%	58.3%	62.0%	57.5%	62.9%	58.9%	58.6%	57.4%	54.2%	59.2%	48.1%	50.1%
	2017	49.2%	49.6%	63.4%	58.5%	62.1%	57.5%	62.8%	58.9%	58.6%	57.4%	54.1%	59.0%	48.1%	50.1%
	2018	49.1%	49.5%	63.2%	58.4%	62.0%	57.5%	62.8%	59.0%	58.7%	57.5%	54.1%	59.0%	48.1%	50.1%
	2019	49.1%	49.5%	63.2%	58.4%	62.0%	57.5%	62.9%	59.0%	58.7%	57.6%	54.0%	58.9%	48.1%	50.1%
	2020	49.0%	49.0%	63.1%	58.2%	61.9%	57.3%	62.7%	58.8%	58.6%	57.4%	54.1%	59.0%	48.1%	50.1%
	2021	49.1%	49.5%	63.2%	58.3%	62.0%	57.5%	62.9%	59.0%	58.7%	57.5%	54.1%	59.0%	48.1%	50.1%
	2022	49.2%	49.6%	63.2%	58.3%	62.0%	57.4%	62.9%	59.0%	58.7%	57.5%	54.1%	59.1%	48.1%	50.1%
Avg.	2023	49.2%	49.6%	63.3%	58.3%	62.0%	57.4%	62.9%	59.0%	58.7%	57.5%	54.0%	59.0%	48.1%	50.1%
	2024	49.1%	49.1%	63.1%	58.2%	61.9%	57.3%	62.8%	58.8%	58.6%	57.4%	54.1%	59.1%	48.1%	50.1%
	2025	49.3%	49.6%	63.3%	58.3%	62.0%	57.4%	62.9%	58.9%	58.7%	57.4%	54.1%	59.1%	48.1%	50.1%
Avg.	2006-2015	49.5%	48.2%	55.8%	56.8%	65.6%	57.9%	63.3%	61.8%	60.7%	57.4%	54.3%	56.3%	48.1%	50.1%
	2016-2025	49.1%	49.4%	63.2%	58.3%	62.0%	57.4%	62.8%	58.9%	58.7%	57.5%	54.1%	59.1%	48.1%	50.1%

FMPA 2016 Load Forecast - Base Case  
**Newberry**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	5.7	7.3	3.9	5.8	5.9	6.2	6.4	6.7	5.9	5.2	3.9	3.8	7.3	6.7
	2007	6.6	6.4	4.5	4.8	5.6	6.4	7.1	7.5	6.8	5.9	4.5	4.1	6.4	7.5
	2008	6.7	6.0	4.3	5.0	5.7	7.0	6.8	7.2	6.7	5.5	4.5	6.8	6.7	7.2
	2009	8.5	8.0	6.4	4.9	6.1	7.7	6.6	7.1	6.8	6.5	3.3	6.2	8.0	7.7
	2010	9.5	7.7	6.9	4.9	6.2	7.6	7.1	7.1	7.1	5.1	4.0	8.1	9.5	7.6
	2011	8.0	6.6	3.8	6.1	6.6	7.2	6.5	7.2	6.5	5.1	4.3	4.1	8.1	7.2
	2012	7.8	7.7	5.0	4.7	6.8	6.9	6.3	6.1	6.5	5.8	4.2	6.4	7.8	6.3
	2013	6.0	7.3	7.4	5.6	6.2	6.7	6.9	7.3	7.2	6.1	4.3	4.2	7.4	7.3
	2014	7.6	7.1	4.2	5.9	6.7	6.7	7.3	7.8	6.1	6.1	8.3	6.5	7.6	7.8
	2015	7.1	8.7	5.0	6.0	7.2	7.8	7.2	7.7	7.2	6.4	5.1	6.0	8.7	7.8
Projected	2016	8.6	8.2	5.2	5.6	7.1	7.7	7.4	8.1	7.3	6.4	5.2	6.0	8.6	8.1
	2017	8.7	8.3	5.3	5.7	7.3	7.8	7.5	8.2	7.4	6.5	5.3	6.1	8.7	8.2
	2018	8.8	8.4	5.3	5.8	7.4	7.9	7.6	8.3	7.6	6.6	5.4	6.3	8.8	8.3
	2019	9.0	8.6	5.4	5.9	7.5	8.1	7.8	8.5	7.7	6.7	5.5	6.4	9.0	8.5
	2020	9.2	8.8	5.6	6.1	7.7	8.2	8.0	8.7	7.9	6.9	5.6	6.5	9.2	8.7
	2021	9.4	8.9	5.7	6.2	7.8	8.4	8.1	8.9	8.0	7.0	5.7	6.7	9.4	8.9
	2022	9.6	9.1	5.8	6.3	8.0	8.6	8.3	9.0	8.2	7.1	5.8	6.8	9.6	9.0
	2023	9.8	9.3	5.9	6.4	8.1	8.7	8.4	9.2	8.3	7.3	5.9	6.9	9.8	9.2
	2024	10.0	9.5	6.0	6.5	8.3	8.9	8.6	9.4	8.5	7.4	6.0	7.0	10.0	9.4
	2025	10.1	9.6	6.1	6.7	8.4	9.0	8.7	9.5	8.6	7.5	6.1	7.1	10.1	9.5
Projected	2026	10.3	9.8	6.2	6.8	8.6	9.2	8.9	9.7	8.8	7.7	6.2	7.3	10.3	9.7
	2027	10.5	10.0	6.3	6.9	8.7	9.3	9.0	9.9	8.9	7.8	6.4	7.4	10.5	9.9
	2028	10.7	10.2	6.4	7.0	8.9	9.5	9.2	10.1	9.1	8.0	6.5	7.5	10.7	10.1
	2029	10.8	10.3	6.5	7.1	9.0	9.7	9.4	10.2	9.3	8.1	6.6	7.7	10.8	10.2
	2030	11.0	10.5	6.6	7.2	9.2	9.8	9.5	10.4	9.4	8.2	6.7	7.8	11.0	10.4
	2031	11.2	10.7	6.8	7.4	9.3	10.0	9.7	10.6	9.6	8.4	6.8	7.9	11.2	10.6
	2032	11.4	10.8	6.9	7.5	9.5	10.2	9.8	10.7	9.7	8.5	6.9	8.0	11.4	10.7
	2033	11.5	11.0	7.0	7.6	9.6	10.3	10.0	10.9	9.9	8.6	7.0	8.1	11.5	10.9
	2034	11.7	11.2	7.1	7.7	9.8	10.5	10.1	11.1	10.0	8.8	7.1	8.3	11.7	11.1
	2035	11.9	11.3	7.2	7.8	9.9	10.6	10.3	11.2	10.2	8.9	7.2	8.4	11.9	11.2

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										99.3%	92.2%	91.2%		
	2006	87.5%	100.0%	76.1%	100.0%	98.9%	95.8%	97.3%	99.0%	91.9%	96.3%	80.9%	68.3%	100.0%	99.0%
	2007	98.3%	96.6%	78.9%	100.0%	100.0%	95.7%	100.0%	99.0%	99.0%	98.4%	85.7%	70.6%	95.7%	99.0%
	2008	99.0%	96.6%	85.2%	100.0%	90.4%	99.2%	100.0%	100.0%	96.5%	97.2%	68.1%	97.8%	99.0%	100.0%
	2009	98.4%	97.2%	97.2%	97.3%	97.8%	100.0%	93.4%	97.9%	99.0%	92.7%	74.1%	100.0%	93.2%	100.0%
	2010	100.0%	98.2%	99.4%	100.0%	96.5%	100.0%	94.3%	94.8%	99.1%	90.3%	74.6%	98.8%	100.0%	100.0%
	2011	92.1%	99.4%	85.5%	100.0%	96.1%	97.0%	90.8%	95.9%	97.0%	99.5%	86.6%	74.2%	92.9%	95.9%
	2012	100.0%	100.0%	94.4%	76.9%	99.5%	99.2%	84.3%	86.5%	96.3%	93.7%	67.8%	100.0%	100.0%	84.3%
	2013	100.0%	100.0%	100.0%	99.0%	96.3%	93.7%	98.1%	97.1%	99.8%	95.7%	69.1%	65.5%	100.0%	97.1%
	2014	98.8%	99.2%	71.5%	99.3%	100.0%	89.9%	96.9%	100.0%	82.3%	96.2%	97.9%	97.4%	98.8%	100.0%
	2015	98.2%	98.0%	93.1%	96.4%	97.9%	92.5%	89.3%	98.9%	96.4%	95.1%	79.2%	85.1%	98.0%	92.5%
Projected	2016	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2017	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2018	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2019	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2020	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2021	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2022	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2023	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2024	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2025	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%
	2006-2015	97.2%	98.5%	88.1%	96.9%	97.3%	96.3%	94.4%	96.9%	95.7%	95.5%	78.4%	85.8%	97.8%	96.8%
	2016-2025	97.8%	99.3%	88.9%	94.3%	98.0%	94.5%	93.2%	96.1%	94.3%	95.1%	79.2%	85.1%	97.8%	96.1%

# FMPA 2016 Load Forecast - Base Case - Newberry

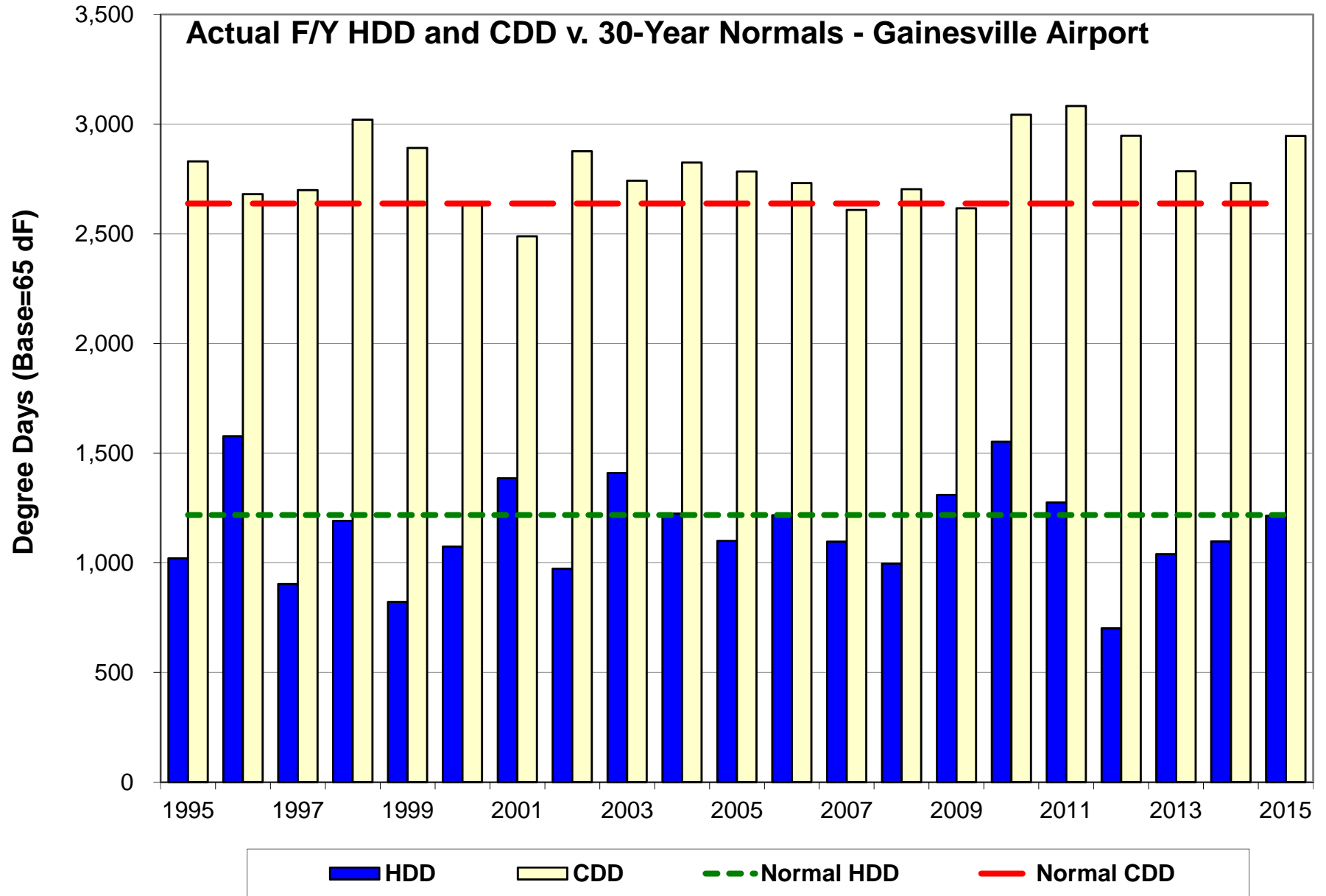
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

		Residential						General Service						City		TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	LOSSES (MWh)	(MWh)	% Chg
Historical	Fiscal Year																			
	2006	14,539		1,069		13,603		12,778		208		61.6		1,556		28,873		2,215	31,088	
	2007	14,942	2.8%	1,140	6.7%	13,107	-3.6%	13,080	2.4%	232	11.5%	56.5	-8.2%	1,617	3.9%	29,639	2.7%	2,083	31,722	2.0%
	2008	14,217	-4.9%	1,176	3.1%	12,094	-7.7%	13,493	3.2%	230	-0.6%	58.6	3.8%	1,583	-2.1%	29,293	-1.2%	2,542	31,835	0.4%
	2009	15,262	7.4%	1,190	1.2%	12,824	6.0%	13,916	3.1%	234	1.6%	59.5	1.5%	1,657	4.7%	30,835	5.3%	2,208	33,043	3.8%
	2010	17,011	11.5%	1,220	2.5%	13,944	8.7%	13,947	0.2%	233	-0.3%	59.8	0.5%	1,914	15.5%	32,872	6.6%	1,695	34,567	4.6%
	2011	16,499	-3.0%	1,232	1.0%	13,394	-3.9%	13,820	-0.9%	233	-0.1%	59.3	-0.8%	1,977	3.3%	32,296	-1.8%	1,228	33,524	-3.0%
	2012	15,357	-6.9%	1,257	2.1%	12,216	-8.8%	13,223	-4.3%	240	2.8%	55.2	-6.9%	2,129	7.7%	30,709	-4.9%	979	31,688	-5.5%
	2013	16,052	4.5%	1,319	4.9%	12,170	-0.4%	12,539	-5.2%	244	1.9%	51.4	-7.0%	1,995	-6.3%	30,586	-0.4%	1,551	32,137	1.4%
Projected	2014	17,133	6.7%	1,375	4.3%	12,459	2.4%	13,314	6.2%	242	-1.1%	55.1	7.3%	1,867	-6.4%	32,314	5.6%	1,984	34,298	6.7%
	2015	18,341	7.1%	1,405	2.2%	13,056	4.8%	13,804	3.7%	240	-0.7%	57.5	4.4%	1,868	0.1%	34,013	5.3%	2,034	36,047	5.1%
	2016	19,218	4.8%	1,437	2.3%	13,371	2.4%	13,837	0.2%	244	1.6%	56.8	-1.4%	1,918	2.7%	34,973	2.8%	1,658	36,630	1.6%
	2017	19,592	2.0%	1,469	2.2%	13,340	-0.2%	14,051	1.5%	248	1.6%	56.7	0.0%	1,975	3.0%	35,618	1.8%	1,722	37,340	1.9%
	2018	19,879	1.5%	1,500	2.1%	13,255	-0.6%	14,275	1.6%	251	1.4%	56.9	0.2%	2,033	3.0%	36,187	1.6%	1,748	37,936	1.6%
	2019	20,299	2.1%	1,531	2.1%	13,261	0.0%	14,512	1.7%	255	1.4%	57.0	0.3%	2,090	2.8%	36,901	2.0%	1,783	38,685	2.0%
	2020	20,756	2.2%	1,562	2.1%	13,285	0.2%	14,750	1.6%	258	1.3%	57.2	0.3%	2,147	2.7%	37,652	2.0%	1,898	39,550	2.2%
	2021	21,221	2.2%	1,595	2.1%	13,306	0.2%	14,984	1.6%	261	1.3%	57.3	0.3%	2,205	2.7%	38,410	2.0%	1,856	40,266	1.8%
	2022	21,686	2.2%	1,627	2.0%	13,327	0.2%	15,218	1.6%	265	1.3%	57.5	0.3%	2,262	2.6%	39,166	2.0%	1,892	41,058	2.0%
	2023	22,146	2.1%	1,659	2.0%	13,346	0.1%	15,447	1.5%	268	1.2%	57.6	0.3%	2,318	2.5%	39,911	1.9%	1,928	41,839	1.9%
	2024	22,595	2.0%	1,691	1.9%	13,365	0.1%	15,672	1.5%	271	1.2%	57.8	0.3%	2,374	2.4%	40,642	1.8%	2,048	42,690	2.0%
	2025	23,035	1.9%	1,721	1.8%	13,384	0.1%	15,895	1.4%	274	1.2%	57.9	0.3%	2,431	2.4%	41,360	1.8%	1,998	43,359	1.6%
	2026	23,468	1.9%	1,751	1.7%	13,402	0.1%	16,116	1.4%	278	1.1%	58.1	0.2%	2,489	2.4%	42,072	1.7%	2,032	44,105	1.7%
	2027	23,908	1.9%	1,781	1.7%	13,421	0.1%	16,342	1.4%	281	1.1%	58.2	0.2%	2,550	2.5%	42,799	1.7%	2,068	44,867	1.7%
	2028	24,363	1.9%	1,813	1.7%	13,441	0.2%	16,576	1.4%	284	1.2%	58.4	0.3%	2,613	2.5%	43,552	1.8%	2,195	45,747	2.0%
	2029	24,828	1.9%	1,844	1.8%	13,463	0.2%	16,814	1.4%	287	1.2%	58.5	0.3%	2,676	2.4%	44,318	1.8%	2,141	46,459	1.6%
	2030	25,288	1.8%	1,875	1.7%	13,483	0.2%	17,049	1.4%	291	1.2%	58.7	0.2%	2,738	2.3%	45,075	1.7%	2,177	47,252	1.7%
	2031	25,732	1.8%	1,906	1.6%	13,503	0.1%	17,280	1.4%	294	1.1%	58.8	0.2%	2,800	2.2%	45,812	1.6%	2,213	48,024	1.6%
	2032	26,163	1.7%	1,935	1.5%	13,521	0.1%	17,507	1.3%	297	1.1%	58.9	0.2%	2,861	2.2%	46,532	1.6%	2,345	48,877	1.8%
	2033	26,599	1.7%	1,964	1.5%	13,540	0.1%	17,734	1.3%	300	1.1%	59.1	0.2%	2,924	2.2%	47,257	1.6%	2,282	49,539	1.4%
	2034	27,044	1.7%	1,995	1.5%	13,558	0.1%	17,961	1.3%	303	1.1%	59.2	0.2%	2,987	2.1%	47,993	1.6%	2,318	50,311	1.6%
	2035	27,506	1.7%	2,026	1.6%	13,576	0.1%	18,187	1.3%	307	1.0%	59.3	0.2%	3,050	2.1%	48,742	1.6%	2,354	51,096	1.6%
CAGR	2006-2015		2.6%		3.1%		-0.5%		0.9%		1.6%		-0.7%		2.1%		1.8%			1.7%
	2016-2025		2.0%		2.0%		0.0%		1.6%		1.3%		0.2%		2.7%		1.9%			1.9%
	2026-2035		1.8%		1.6%		0.1%		1.4%		1.1%		0.2%		2.3%		1.6%			1.6%

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Newberry (Alachua County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	204.0	-	80.6	-	127.2	-	6.11	-	7,006	-	5,438	-	67,436	-
1996	207.1	1.5%	82.3	2.0%	130.5	2.6%	6.17	1.0%	7,227	3.2%	5,571	2.4%	67,691	0.4%
1997	210.4	1.6%	83.7	1.7%	131.7	0.9%	6.18	0.0%	7,409	2.5%	5,800	4.1%	69,328	2.4%
1998	213.1	1.3%	85.0	1.6%	136.8	3.8%	6.05	-2.1%	7,759	4.7%	6,115	5.4%	71,951	3.8%
1999	216.2	1.5%	86.6	1.9%	140.4	2.7%	5.90	-2.5%	7,920	2.1%	6,281	2.7%	72,537	0.8%
2000	219.0	1.3%	88.7	2.4%	144.6	3.0%	6.18	4.9%	8,069	1.9%	6,530	4.0%	73,655	1.5%
2001	222.1	1.4%	90.6	2.2%	147.7	2.1%	5.38	-13.0%	8,277	2.6%	6,759	3.5%	74,606	1.3%
2002	224.9	1.3%	92.4	2.0%	146.9	-0.5%	5.33	-1.0%	8,408	1.6%	6,868	1.6%	74,322	-0.4%
2003	227.4	1.1%	94.1	1.8%	147.7	0.5%	5.07	-4.7%	8,573	2.0%	6,999	1.9%	74,371	0.1%
2004	230.5	1.3%	95.7	1.7%	156.1	5.7%	4.99	-1.7%	9,370	9.3%	7,723	10.4%	80,702	8.5%
2005	234.6	1.8%	97.6	2.0%	158.9	1.8%	5.01	0.4%	9,530	1.7%	8,139	5.4%	83,376	3.3%
2006	239.8	2.2%	99.5	1.9%	161.8	1.8%	5.56	11.0%	9,814	3.0%	8,563	5.2%	86,062	3.2%
2007	242.9	1.3%	100.2	0.7%	164.1	1.5%	5.53	-0.5%	10,265	4.6%	8,777	2.5%	87,583	1.8%
2008	245.1	0.9%	100.5	0.3%	162.0	-1.3%	5.34	-3.4%	10,234	-0.3%	8,873	1.1%	88,321	0.8%
2009	246.7	0.7%	100.3	-0.1%	155.7	-3.9%	4.47	-16.3%	10,030	-2.0%	8,592	-3.2%	85,626	-3.1%
2010	248.0	0.5%	101.4	1.0%	153.4	-1.5%	4.25	-4.9%	10,160	1.3%	8,909	3.7%	87,900	2.7%
2011	249.9	0.8%	103.0	1.6%	154.1	0.5%	4.23	-0.4%	9,992	-1.7%	9,173	3.0%	89,083	1.3%
2012	251.9	0.8%	102.4	-0.6%	155.8	1.1%	4.25	0.4%	9,963	-0.3%	9,103	-0.8%	88,910	-0.2%
2013	253.8	0.7%	104.7	2.3%	157.0	0.8%	4.26	0.3%	10,107	1.4%	9,125	0.2%	87,161	-2.0%
2014	256.7	1.1%	106.1	1.4%	159.7	1.8%	4.05	-4.8%	10,255	1.5%	9,391	2.9%	88,471	1.5%
2015	259.2	1.0%	107.7	1.4%	163.0	2.1%	4.06	0.2%	10,583	3.2%	9,718	3.5%	90,269	2.0%
2016	261.7	0.9%	109.2	1.4%	165.7	1.6%	4.09	0.7%	10,907	3.1%	10,008	3.0%	91,672	1.6%
2017	264.0	0.9%	110.6	1.3%	167.8	1.3%	4.15	1.5%	11,198	2.7%	10,307	3.0%	93,226	1.7%
2018	266.4	0.9%	111.9	1.2%	169.8	1.2%	4.20	1.3%	11,483	2.5%	10,593	2.8%	94,682	1.6%
2019	268.8	0.9%	113.2	1.2%	171.7	1.1%	4.23	0.7%	11,756	2.4%	10,878	2.7%	96,075	1.5%
2020	271.1	0.9%	114.5	1.2%	173.7	1.2%	4.25	0.6%	12,030	2.3%	11,169	2.7%	97,506	1.5%
2021	273.4	0.8%	115.8	1.1%	175.4	1.0%	4.28	0.7%	12,278	2.1%	11,459	2.6%	98,940	1.5%
2022	275.6	0.8%	117.0	1.0%	177.3	1.1%	4.30	0.4%	12,554	2.2%	11,741	2.5%	100,352	1.4%
2023	277.8	0.8%	118.2	1.0%	179.1	1.0%	4.31	0.2%	12,843	2.3%	12,026	2.4%	101,781	1.4%
2024	280.0	0.8%	119.3	0.9%	180.8	0.9%	4.31	0.1%	13,113	2.1%	12,309	2.4%	103,201	1.4%
2025	282.2	0.8%	120.4	0.9%	182.5	0.9%	4.31	-0.1%	13,384	2.1%	12,595	2.3%	104,647	1.4%
2026	284.5	0.8%	121.4	0.9%	184.2	0.9%	4.29	-0.4%	13,674	2.2%	12,897	2.4%	106,206	1.5%
2027	286.7	0.8%	122.5	0.9%	185.9	0.9%	4.28	-0.3%	13,985	2.3%	13,217	2.5%	107,855	1.6%
2028	289.0	0.8%	123.6	0.9%	187.6	0.9%	4.27	-0.3%	14,297	2.2%	13,533	2.4%	109,446	1.5%
2029	291.3	0.8%	124.7	0.9%	189.3	0.9%	4.25	-0.3%	14,624	2.3%	13,846	2.3%	111,018	1.4%
2030	293.5	0.8%	125.7	0.8%	191.1	1.0%	4.24	-0.3%	14,969	2.4%	14,157	2.2%	112,585	1.4%
2031	295.7	0.8%	126.7	0.8%	192.8	0.9%	4.23	-0.3%	15,305	2.2%	14,462	2.2%	114,142	1.4%
2032	297.9	0.7%	127.6	0.7%	194.7	1.0%	4.22	-0.3%	15,670	2.4%	14,781	2.2%	115,802	1.5%
2033	300.1	0.7%	128.6	0.7%	196.4	0.9%	4.20	-0.3%	16,030	2.3%	15,097	2.1%	117,399	1.4%
2034	302.3	0.7%	129.6	0.8%	197.9	0.8%	4.19	-0.4%	16,387	2.2%	15,410	2.1%	118,906	1.3%
2035	304.5	0.7%	130.6	0.8%	199.4	0.7%	4.17	-0.5%	16,752	2.2%	15,729	2.1%	120,393	1.3%
Average Percent Change														
2005-2015	1.0%		1.0%		0.3%		-2.1%		1.1%		1.8%		0.8%	
2016-2025	0.8%		1.1%		1.1%		0.6%		2.3%		2.6%		1.5%	
2026-2035	0.8%		0.8%		0.9%		-0.3%		2.3%		2.2%		1.4%	







# FMPA 2016 Load Forecast - Base Case

## Ocala

### Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	1,435,605	-	1,419,820	-	-1.1%	287.1	-	271.8	-	-5.3%	303.4	-	322.8		6.4%
	2007	1,422,669	-0.9%	1,434,944	1.1%	0.9%	253.6	-11.7%	260.8	-4.1%	2.9%	313.9	3.5%	304.3	-5.7%	-3.1%
	2008	1,359,556	-4.4%	1,363,184	-5.0%	0.3%	274.2	8.1%	256.4	-1.7%	-6.5%	293.6	-6.5%	291.0	-4.4%	-0.9%
	2009	1,299,969	-4.4%	1,296,606	-4.9%	-0.3%	283.1	3.3%	266.0	3.7%	-6.0%	295.2	0.5%	298.9	2.7%	1.3%
	2010	1,337,900	2.9%	1,270,308	-2.0%	-5.1%	320.3	13.1%	269.6	1.3%	-15.8%	289.0	-2.1%	273.8	-8.4%	-5.3%
	2011	1,302,274	-2.7%	1,244,699	-2.0%	-4.4%	277.2	-13.5%	267.5	-0.7%	-3.5%	280.7	-2.9%	254.7	-7.0%	-9.3%
	2012	1,230,559	-5.5%	1,226,120	-1.5%	-0.4%	260.9	-5.9%	238.8	-10.7%	-8.5%	260.1	-7.3%	293.4	15.2%	12.8%
	2013	1,238,467	0.6%	1,232,678	0.5%	-0.5%	234.4	-10.1%	236.5	-0.9%	0.9%	275.8	6.0%	284.6	-3.0%	3.2%
	2014	1,263,334	2.0%	1,258,423	2.1%	-0.4%	253.2	8.0%	258.7	9.4%	2.2%	285.1	3.4%	291.3	2.4%	2.2%
	2015	1,294,771	2.5%	1,261,972	0.3%	-2.5%	275.5	8.8%	262.8	1.6%	-4.6%	286.6	0.5%	306.2	5.1%	6.9%
Projected	2016	1,289,015	-0.4%	1,289,015	2.1%		267.6	-2.8%	267.6	1.8%		282.9	-1.3%	282.9	-7.6%	
	2017			1,307,573	1.4%				271.8	1.6%				287.3	1.6%	
	2018			1,326,324	1.4%				275.6	1.4%				291.3	1.4%	
	2019			1,342,771	1.2%				278.9	1.2%				294.8	1.2%	
	2020			1,358,949	1.2%				282.3	1.2%				298.4	1.2%	
	2021			1,375,875	1.2%				285.8	1.2%				302.1	1.2%	
	2022			1,392,191	1.2%				289.2	1.2%				305.6	1.2%	
	2023			1,408,346	1.2%				292.5	1.2%				309.2	1.2%	
	2024			1,424,466	1.1%				295.9	1.1%				312.7	1.1%	
	2025			1,440,425	1.1%				299.2	1.1%				316.2	1.1%	
	2026			1,456,130	1.1%				302.4	1.1%				319.6	1.1%	
	2027			1,471,859	1.1%				305.7	1.1%				323.1	1.1%	
	2028			1,487,507	1.1%				308.9	1.1%				326.5	1.1%	
	2029			1,503,029	1.0%				312.1	1.0%				329.9	1.0%	
	2030			1,518,270	1.0%				315.2	1.0%				333.2	1.0%	
	2031			1,533,191	1.0%				318.3	1.0%				336.5	1.0%	
	2032			1,547,977	1.0%				321.4	1.0%				339.7	1.0%	
	2033			1,562,570	0.9%				324.4	0.9%				342.9	0.9%	
	2034			1,576,908	0.9%				327.4	0.9%				346.0	0.9%	
	2035			1,591,189	0.9%				330.3	0.9%				349.1	0.9%	
CAGR <sup>[3]</sup>	2006-2015		-1.1%		-1.3%			-0.5%		-0.4%			-0.6%		-0.6%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Ocala**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	1,435,605	-	1,435,605	-	287.1	306.6	287.1	306.6	287.1	303.4	287.1	303.4
	2007	1,422,669	-0.9%	1,422,669	-0.9%	255.6	315.2	255.6	315.2	253.6	313.9	253.6	313.9
	2008	1,359,556	-4.4%	1,359,556	-4.4%	274.4	294.1	274.4	294.1	274.2	293.6	274.2	293.6
	2009	1,299,969	-4.4%	1,299,969	-4.4%	297.3	295.2	297.3	295.2	283.1	295.2	283.1	295.2
	2010	1,337,900	2.9%	1,337,900	2.9%	320.3	289.0	320.3	289.0	320.3	289.0	320.3	289.0
	2011	1,302,274	-2.7%	1,302,274	-2.7%	279.6	282.8	279.6	282.8	277.2	280.7	277.2	280.7
	2012	1,230,559	-5.5%	1,230,559	-5.5%	260.9	264.6	260.9	264.6	260.9	260.1	260.9	260.1
	2013	1,238,467	0.6%	1,238,467	0.6%	236.1	275.8	236.1	275.8	234.4	275.8	234.4	275.8
	2014	1,263,334	2.0%	1,263,334	2.0%	253.2	285.1	253.2	285.1	253.2	285.1	253.2	285.1
	2015	1,294,771	2.5%	1,273,186	0.8%	275.5	286.6	261.9	277.4	275.5	286.6	261.8	275.7
Projected	2016	1,289,015	-0.4%	1,294,909	1.7%	267.8	284.4	266.5	282.2	267.6	282.9	266.3	280.5
	2017	1,307,573	1.4%	1,317,557	1.7%	272.0	288.9	271.2	287.2	271.8	287.3	271.0	285.5
	2018	1,326,324	1.4%	1,341,721	1.8%	275.8	292.9	276.1	292.4	275.6	291.3	276.0	290.7
	2019	1,342,771	1.2%	1,365,504	1.8%	279.1	296.4	281.0	297.5	278.9	294.8	280.8	295.8
	2020	1,358,949	1.2%	1,388,467	1.7%	282.5	300.1	285.7	302.5	282.3	298.4	285.5	300.8
	2021	1,375,875	1.2%	1,411,802	1.7%	286.0	303.8	290.5	307.6	285.8	302.1	290.3	305.8
	2022	1,392,191	1.2%	1,434,695	1.6%	289.3	307.3	295.1	312.6	289.2	305.6	295.0	310.7
	2023	1,408,346	1.2%	1,457,641	1.6%	292.7	310.9	299.9	317.6	292.5	309.2	299.7	315.7
	2024	1,424,466	1.1%	1,481,041	1.6%	296.0	314.4	304.7	322.7	295.9	312.7	304.5	320.8
	2025	1,440,425	1.1%	1,504,557	1.6%	299.3	317.9	309.5	327.7	299.2	316.2	309.3	325.8
	2026	1,456,130	1.1%	1,527,684	1.5%	302.6	321.4	314.2	332.8	302.4	319.6	314.0	330.8
	2027	1,471,859	1.1%	1,550,664	1.5%	305.8	324.9	318.9	337.7	305.7	323.1	318.7	335.7
	2028	1,487,507	1.1%	1,573,315	1.5%	309.1	328.3	323.5	342.6	308.9	326.5	323.4	340.6
	2029	1,503,029	1.0%	1,595,567	1.4%	312.3	331.7	328.1	347.4	312.1	329.9	327.9	345.4
	2030	1,518,270	1.0%	1,617,420	1.4%	315.4	335.0	332.5	352.2	315.2	333.2	332.4	350.1
	2031	1,533,191	1.0%	1,638,905	1.3%	318.5	338.3	336.9	356.8	318.3	336.5	336.7	354.7
	2032	1,547,977	1.0%	1,660,422	1.3%	321.6	341.6	341.4	361.5	321.4	339.7	341.2	359.4
	2033	1,562,570	0.9%	1,682,198	1.3%	324.6	344.8	345.8	366.2	324.4	342.9	345.6	364.1
	2034	1,576,908	0.9%	1,704,133	1.3%	327.5	347.9	350.3	371.0	327.4	346.0	350.1	368.8
	2035	1,591,189	0.9%			330.5	351.1			330.3	349.1		
CAGR <sup>[1]</sup>	Historical		-1.1%		-1.6%	-0.5%	-0.7%	-1.6%	-0.9%	1.0%	-1.1%	0.0%	-1.4%
	1st 10 Prj Yrs		1.2%		1.7%	1.2%	1.2%	1.7%	1.7%	1.2%	1.2%	1.7%	1.7%
	2nd 10 Prj Yrs		1.0%		1.4%	1.0%	1.0%	1.4%	1.4%	1.0%	1.0%	1.4%	1.4%

[1] CAGR - Compound Annual Growth Rate

# FMPA 2016 Load Forecast - Base Case

## Ocala

### Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	106,959	100,366	101,988	109,771	127,130	133,364	143,258	152,091	132,572	117,072	100,137	103,807	1,428,515	1,435,605
	2007	107,455	100,389	104,232	104,173	120,556	132,999	143,315	155,385	133,150	122,682	96,619	100,044	1,420,999	1,422,669
	2008	107,773	95,111	97,871	101,235	122,613	127,774	132,178	131,317	124,339	106,335	94,393	96,560	1,337,499	1,359,556
	2009	104,698	93,243	94,823	93,855	111,100	129,116	126,841	127,880	121,124	112,551	87,286	97,362	1,299,880	1,299,969
	2010	117,159	98,914	93,085	90,457	118,666	131,862	135,600	133,919	121,041	99,022	87,205	117,645	1,344,574	1,337,900
	2011	101,650	84,973	89,206	99,395	114,074	124,948	127,576	137,207	119,373	94,319	85,733	88,775	1,267,229	1,302,274
	2012	95,461	84,678	93,163	95,804	114,125	112,824	125,112	124,750	115,815	103,591	86,570	92,171	1,244,063	1,230,559
	2013	90,870	85,099	92,695	94,643	104,963	119,187	120,302	129,736	118,642	105,212	87,251	91,987	1,240,586	1,238,467
	2014	108,373	85,568	88,538	93,357	111,294	117,805	127,191	132,108	114,650	102,524	90,178	94,636	1,266,221	1,263,334
	2015	98,616	91,270	96,214	103,169	116,897	126,544	126,971	129,549	118,204	103,908	87,880	104,872	1,304,093	1,294,771
Projected	2016	101,764	87,836	94,634	99,207	107,353	122,926	129,390	133,783	115,461	103,214	90,201	106,125	1,291,895	1,289,015
	2017	103,578	89,515	96,616	100,344	109,359	124,527	131,205	135,966	116,921	104,764	91,558	107,686	1,312,041	1,307,573
	2018	105,039	90,882	97,958	101,773	110,970	126,212	133,073	137,879	118,529	106,192	92,799	109,083	1,330,389	1,326,324
	2019	106,388	92,038	99,165	103,039	112,322	127,708	134,641	139,492	119,904	107,438	93,897	110,357	1,346,390	1,342,771
	2020	107,628	93,125	100,350	104,290	113,690	129,266	136,294	141,218	121,395	108,785	95,079	111,743	1,362,863	1,358,949
	2021	108,977	94,293	101,608	105,598	115,111	130,871	137,976	142,954	122,880	110,111	96,235	113,086	1,379,700	1,375,875
	2022	110,274	95,414	102,814	106,853	116,473	132,408	139,589	144,623	124,312	111,397	97,361	114,399	1,395,916	1,392,191
	2023	111,545	96,519	104,008	108,099	117,829	133,942	141,202	146,296	125,749	112,687	98,491	115,717	1,412,084	1,408,346
	2024	112,820	97,624	105,200	109,341	119,180	135,469	142,805	147,957	127,175	113,966	99,610	117,021	1,428,167	1,424,466
	2025	114,085	98,721	106,383	110,573	120,518	136,981	144,391	149,598	128,581	115,225	100,711	118,302	1,444,067	1,440,425
Projected	2026	115,322	99,794	107,542	111,782	121,834	138,469	145,954	151,220	129,974	116,478	101,809	119,584	1,459,762	1,456,130
	2027	116,565	100,873	108,705	112,995	123,154	139,961	147,521	152,844	131,369	117,729	102,905	120,861	1,475,482	1,471,859
	2028	117,802	101,946	109,862	114,201	124,465	141,445	149,079	154,459	132,754	118,972	103,992	122,128	1,491,105	1,487,507
	2029	119,030	103,010	111,011	115,398	125,766	142,915	150,623	156,058	134,126	120,201	105,067	123,381	1,506,585	1,503,029
	2030	120,242	104,059	112,139	116,572	127,041	144,355	152,132	157,619	135,464	121,400	106,115	124,600	1,521,737	1,518,270
	2031	121,422	105,082	113,242	117,722	128,291	145,767	153,615	159,155	136,782	122,582	107,150	125,807	1,536,615	1,533,191
	2032	122,589	106,095	114,337	118,863	129,531	147,168	155,086	160,680	138,090	123,757	108,179	127,004	1,551,378	1,547,977
	2033	123,745	107,098	115,418	119,989	130,755	148,546	156,531	162,175	139,372	124,906	109,185	128,173	1,565,894	1,562,570
	2034	124,874	108,079	116,479	121,096	131,958	149,905	157,958	163,654	140,643	126,048	110,185	129,338	1,580,215	1,576,908
	2035	126,001	109,058	117,535	122,197	133,155	151,258	159,379	165,128	141,907	127,182	111,179	130,496	1,594,476	1,591,189

### Monthly NEL Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.5%	7.0%	7.1%	7.7%	8.9%	9.3%	10.0%	10.6%	9.3%	8.2%	7.0%	7.3%	100.0%
	2007	7.6%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	10.9%	9.4%	8.6%	6.8%	7.0%	100.0%
	2008	8.1%	7.1%	7.3%	7.6%	9.2%	9.6%	9.9%	9.8%	9.3%	8.0%	7.1%	7.2%	100.0%
	2009	8.1%	7.2%	7.3%	7.2%	8.5%	9.9%	9.8%	9.8%	9.3%	8.7%	6.7%	7.5%	100.0%
	2010	8.7%	7.4%	6.9%	6.7%	8.8%	9.8%	10.1%	10.0%	9.0%	7.4%	6.5%	8.7%	100.0%
	2011	8.0%	6.7%	7.0%	7.8%	9.0%	9.9%	10.1%	10.8%	9.4%	7.4%	6.8%	7.0%	100.0%
	2012	7.7%	6.8%	7.5%	7.7%	9.2%	9.1%	10.1%	10.0%	9.3%	8.3%	7.0%	7.4%	100.0%
	2013	7.3%	6.9%	7.5%	7.6%	8.5%	9.6%	9.7%	10.5%	9.6%	8.5%	7.0%	7.4%	100.0%
	2014	8.6%	6.8%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.1%	8.1%	7.1%	7.5%	100.0%
	2015	7.6%	7.0%	7.4%	7.9%	9.0%	9.7%	9.7%	9.9%	9.1%	8.0%	6.7%	8.0%	100.0%
Projected	2016	7.9%	6.8%	7.3%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2017	7.9%	6.8%	7.4%	7.6%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2018	7.9%	6.8%	7.4%	7.6%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2019	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2020	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2021	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2022	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2023	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2024	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
	2025	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%
Avg.	2006-2015	7.9%	7.0%	7.2%	7.5%	8.8%	9.6%	9.9%	10.3%	9.3%	8.1%	6.9%	7.5%	100.0%
	2016-2025	7.9%	6.8%	7.4%	7.7%	8.3%	9.5%	10.0%	10.4%	8.9%	8.0%	7.0%	8.2%	100.0%

1 2 3 4 5 6 7 8 9 10 11 12

FMPA 2016 Load Forecast - Base Case  
**Ocala**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	250.3	287.1	198.3	260.8	278.4	290.9	295.5	306.6	281.9	264.7	202.6	208.7	287.1	306.6
	2007	255.6	253.6	219.9	236.6	254.5	296.7	303.3	315.2	294.2	268.9	199.1	212.2	255.6	315.2
	2008	274.4	231.9	198.3	218.4	259.8	294.1	286.8	293.6	272.1	232.5	219.0	234.1	274.4	294.1
	2009	290.2	297.3	226.0	203.6	254.4	295.2	268.9	282.0	255.7	260.5	178.1	213.4	297.3	295.2
	2010	320.3	254.6	228.5	189.3	250.4	289.0	282.9	282.5	266.7	230.6	185.7	279.6	320.3	289.0
	2011	269.1	227.1	178.4	238.0	258.1	282.8	274.5	281.3	252.3	210.6	183.5	179.7	279.6	282.8
	2012	260.9	250.8	192.0	221.9	251.7	261.7	264.6	263.9	256.7	235.7	195.2	194.0	260.9	264.6
	2013	197.8	236.1	234.4	210.5	233.3	265.3	265.2	275.8	264.5	232.3	189.7	192.7	236.1	275.8
	2014	253.2	224.1	181.3	234.0	248.0	262.5	274.3	285.1	270.2	237.2	232.5	207.3	253.2	285.1
	2015	230.5	275.5	198.5	224.6	259.4	286.6	270.8	281.4	266.4	238.7	187.5	209.5	275.5	286.6
Projected	2016	267.8	243.1	195.8	214.6	250.7	277.9	272.4	284.4	264.1	237.0	190.4	212.7	267.8	284.4
	2017	272.0	246.9	198.8	217.9	254.6	282.2	276.7	288.9	268.2	240.7	193.0	215.7	272.0	288.9
	2018	275.8	250.3	201.6	221.0	258.2	286.2	280.5	292.9	272.0	244.0	195.4	218.3	275.8	292.9
	2019	279.1	253.3	204.0	223.6	261.3	289.6	283.9	296.4	275.2	247.0	197.8	221.0	279.1	296.4
	2020	282.5	256.4	206.5	226.4	264.5	293.2	287.4	300.1	278.6	250.0	200.2	223.7	282.5	300.1
	2021	286.0	259.6	209.1	229.2	267.8	296.8	290.9	303.8	282.1	253.1	202.6	226.3	286.0	303.8
	2022	289.3	262.6	211.5	231.9	270.9	300.3	294.3	307.3	285.4	256.0	204.9	229.0	289.3	307.3
	2023	292.7	265.7	214.0	234.5	274.1	303.7	297.8	310.9	288.7	259.0	207.2	231.6	292.7	310.9
	2024	296.0	268.7	216.4	237.2	277.2	307.2	301.1	314.4	292.0	262.0	209.5	234.2	296.0	314.4
	2025	299.3	271.7	218.8	239.9	280.3	310.6	304.5	317.9	295.2	264.9	211.8	236.7	299.3	317.9
Projected	2026	302.6	274.7	221.2	242.5	283.3	314.0	307.8	321.4	298.4	267.7	214.1	239.3	302.6	321.4
	2027	305.8	277.6	223.6	245.1	286.4	317.4	311.1	324.9	301.6	270.6	216.4	241.8	305.8	324.9
	2028	309.1	280.6	225.9	247.7	289.4	320.7	314.4	328.3	304.8	273.5	218.6	244.3	309.1	328.3
	2029	312.3	283.5	228.3	250.2	292.4	324.1	317.7	331.7	308.0	276.3	220.8	246.8	312.3	331.7
	2030	315.4	286.3	230.6	252.8	295.3	327.3	320.9	335.0	311.1	279.1	223.0	249.2	315.4	335.0
	2031	318.5	289.1	232.8	255.2	298.2	330.5	324.0	338.3	314.1	281.8	225.1	251.6	318.5	338.3
	2032	321.6	291.9	235.1	257.7	301.1	333.7	327.1	341.6	317.1	284.6	227.2	253.9	321.6	341.6
	2033	324.6	294.6	237.3	260.1	303.9	336.8	330.2	344.8	320.1	287.2	229.3	256.2	324.6	344.8
	2034	327.5	297.3	239.4	262.5	306.7	339.9	333.2	347.9	323.0	289.8	231.4	258.5	327.5	347.9
	2035	330.5	300.0	241.6	264.8	309.5	343.0	336.2	351.1	326.0	292.5	233.4	260.9	330.5	351.1

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.8%	65.3%	64.2%		
	2006	57.4%	52.0%	69.1%	56.6%	67.9%	61.6%	67.3%	66.7%	65.3%	59.4%	66.4%	69.1%	56.8%	53.2%
	2007	56.5%	58.9%	63.7%	59.2%	70.5%	60.2%	65.6%	66.3%	62.9%	61.3%	65.2%	65.5%	63.5%	51.5%
	2008	52.8%	58.9%	66.3%	62.3%	70.2%	58.4%	64.0%	60.1%	63.5%	61.5%	57.9%	57.3%	55.6%	51.9%
	2009	48.5%	46.7%	56.4%	62.0%	65.0%	58.8%	65.5%	61.0%	65.8%	58.1%	65.9%	63.4%	49.9%	50.3%
	2010	49.2%	57.8%	54.7%	64.2%	70.5%	61.3%	66.6%	63.7%	63.0%	57.7%	63.1%	58.4%	47.9%	53.1%
	2011	50.8%	55.7%	67.2%	56.1%	65.8%	59.4%	64.5%	65.6%	65.7%	60.2%	62.8%	68.6%	51.7%	51.2%
	2012	49.2%	48.5%	65.2%	58.0%	67.5%	57.9%	65.7%	63.5%	62.7%	59.1%	59.6%	66.0%	54.4%	53.7%
	2013	61.7%	53.6%	53.1%	60.4%	67.0%	60.4%	63.0%	63.2%	62.3%	60.9%	61.8%	66.3%	60.0%	51.3%
	2014	57.5%	56.8%	65.7%	53.6%	66.8%	60.3%	64.4%	62.3%	58.9%	58.1%	52.1%	63.4%	57.1%	50.7%
	2015	57.5%	49.3%	65.2%	61.7%	67.1%	59.4%	65.1%	61.9%	61.6%	58.5%	63.0%	69.5%	54.0%	52.0%
Projected	2016	51.1%	51.9%	65.0%	62.1%	63.7%	59.5%	60.7%	63.2%	60.7%	58.5%	63.7%	69.3%	55.1%	51.8%
	2017	51.2%	54.0%	65.3%	61.9%	63.9%	59.3%	65.9%	63.3%	60.5%	58.5%	63.7%	69.3%	55.1%	51.8%
	2018	51.2%	54.0%	65.3%	61.9%	64.0%	59.3%	65.9%	63.3%	60.5%	58.5%	63.8%	69.4%	55.1%	51.8%
	2019	51.2%	54.1%	65.3%	61.9%	64.0%	59.3%	65.9%	63.2%	60.5%	58.5%	63.8%	69.4%	55.1%	51.8%
	2020	51.2%	52.2%	65.3%	61.9%	64.0%	59.3%	65.9%	63.3%	60.5%	58.5%	63.8%	69.4%	55.1%	51.8%
	2021	51.2%	54.1%	65.3%	61.9%	64.0%	59.3%	65.9%	63.3%	60.5%	58.5%	63.9%	69.4%	55.1%	51.8%
	2022	51.2%	54.1%	65.3%	61.9%	64.0%	59.3%	65.9%	63.2%	60.5%	58.5%	63.9%	69.4%	55.1%	51.8%
	2023	51.2%	54.1%	65.3%	61.9%	64.0%	59.3%	65.9%	63.2%	60.5%	58.5%	63.9%	69.4%	55.1%	51.8%
	2024	51.2%	52.2%	65.3%	62.0%	64.0%	59.3%	65.9%	63.2%	60.5%	58.5%	63.9%	69.4%	55.1%	51.8%
	2025	51.2%	54.1%	65.3%	62.0%	64.0%	59.3%	65.9%	63.2%	60.5%	58.5%	63.9%	69.4%	55.1%	51.8%
Avg.	2006-2015	54.1%	53.8%	62.7%	59.4%	67.8%	59.8%	65.2%	63.4%	63.2%	59.5%	61.8%	64.8%	55.1%	51.9%
	2016-2025	51.2%	53.5%	65.3%	62.0%	63.9%	59.3%	65.9%	63.2%	60.5%	58.5%	63.8%	69.4%	55.1%	51.8%

FMPA 2016 Load Forecast - Base Case  
**Ocala**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	217.3	287.1	186.6	260.8	265.4	290.9	293.6	303.4	268.4	260.2	195.0	189.3	287.1	303.4
	2007	255.6	253.6	203.7	236.6	249.0	296.7	300.9	313.9	289.8	265.6	199.1	182.5	253.6	313.9
	2008	274.2	231.9	198.3	211.7	248.6	294.1	285.9	293.6	267.9	230.5	191.8	234.1	274.2	293.6
	2009	290.2	283.1	226.0	203.6	254.4	295.2	261.6	279.7	255.7	253.0	148.0	213.4	283.1	295.2
	2010	320.3	254.6	228.5	189.3	249.8	289.0	280.3	282.5	266.7	226.3	177.5	277.2	320.3	289.0
	2011	268.3	227.1	154.5	232.8	251.3	282.3	269.8	280.7	251.4	208.5	181.4	156.9	277.2	280.7
	2012	260.9	250.8	192.0	214.5	236.8	261.7	260.1	263.9	256.7	234.5	155.9	194.0	260.9	260.1
	2013	197.8	236.1	234.4	198.3	226.1	256.8	265.2	275.8	262.7	232.3	183.6	168.7	234.4	275.8
	2014	253.2	224.1	142.2	234.0	248.0	261.2	264.7	285.1	269.3	234.7	232.5	207.3	253.2	285.1
	2015	230.5	275.5	197.0	218.1	256.0	286.6	264.6	278.2	253.9	236.6	176.6	196.9	275.5	286.6
Projected	2016	267.6	243.1	181.8	210.2	244.2	275.7	265.6	282.9	260.9	234.9	179.3	200.0	267.6	282.9
	2017	271.8	246.9	184.6	213.5	248.1	280.0	269.8	287.3	265.0	238.5	181.9	202.8	271.8	287.3
	2018	275.6	250.3	187.2	216.5	251.5	284.0	273.5	291.3	268.7	241.9	184.0	205.2	275.6	291.3
	2019	278.9	253.3	189.4	219.1	254.5	287.4	276.8	294.8	271.9	244.8	186.3	207.7	278.9	294.8
	2020	282.3	256.4	191.8	221.8	257.7	290.9	280.2	298.4	275.2	247.8	188.6	210.3	282.3	298.4
	2021	285.8	259.6	194.1	224.5	260.8	294.5	283.7	302.1	278.6	250.8	190.8	212.8	285.8	302.1
	2022	289.2	262.6	196.4	227.1	263.9	297.9	287.0	305.6	281.9	253.8	193.0	215.3	289.2	305.6
	2023	292.5	265.7	198.7	229.8	267.0	301.4	290.3	309.2	285.2	256.7	195.2	217.7	292.5	309.2
	2024	295.9	268.7	200.9	232.4	270.0	304.8	293.6	312.7	288.4	259.6	197.4	220.1	295.9	312.7
	2025	299.2	271.7	203.2	235.0	273.0	308.2	296.9	316.2	291.6	262.5	199.5	222.5	299.2	316.2
Projected	2026	302.4	274.7	205.4	237.5	276.0	311.6	300.1	319.6	294.8	265.4	201.7	224.9	302.4	319.6
	2027	305.7	277.6	207.6	240.1	279.0	314.9	303.4	323.1	298.0	268.3	203.8	227.3	305.7	323.1
	2028	308.9	280.6	209.8	242.6	281.9	318.3	306.6	326.5	301.1	271.1	205.9	229.7	308.9	326.5
	2029	312.1	283.5	212.0	245.2	284.8	321.6	309.8	329.9	304.3	273.9	208.0	232.0	312.1	329.9
	2030	315.2	286.3	214.1	247.6	287.7	324.8	312.9	333.2	307.3	276.7	210.0	234.2	315.2	333.2
	2031	318.3	289.1	216.2	250.0	290.5	328.0	315.9	336.5	310.3	279.4	212.1	236.5	318.3	336.5
	2032	321.4	291.9	218.3	252.4	293.3	331.1	319.0	339.7	313.3	282.1	214.0	238.7	321.4	339.7
	2033	324.4	294.6	220.3	254.8	296.0	334.2	321.9	342.9	316.2	284.7	216.0	240.9	324.4	342.9
	2034	327.4	297.3	222.3	257.1	298.8	337.3	324.9	346.0	319.1	287.3	218.0	243.1	327.4	346.0
	2035	330.3	300.0	224.3	259.5	301.5	340.3	327.8	349.1	322.0	289.9	219.9	245.2	330.3	349.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										100.0%	99.5%	100.0%		
	2006	86.8%	100.0%	94.1%	100.0%	95.3%	100.0%	99.4%	99.0%	95.2%	98.3%	96.3%	90.7%	100.0%	99.0%
	2007	100.0%	100.0%	92.6%	100.0%	97.9%	100.0%	99.2%	99.6%	98.5%	98.8%	100.0%	86.0%	99.2%	99.6%
	2008	99.9%	100.0%	100.0%	96.9%	95.7%	100.0%	99.7%	100.0%	98.4%	99.1%	87.6%	100.0%	99.9%	99.8%
	2009	100.0%	95.2%	100.0%	100.0%	100.0%	100.0%	97.3%	99.2%	100.0%	97.1%	83.1%	100.0%	95.2%	100.0%
	2010	100.0%	100.0%	100.0%	100.0%	99.8%	100.0%	99.1%	100.0%	100.0%	98.1%	95.6%	99.1%	100.0%	100.0%
	2011	99.7%	100.0%	86.6%	97.8%	97.4%	99.8%	98.3%	99.8%	99.6%	99.0%	98.8%	87.3%	99.1%	99.3%
	2012	100.0%	100.0%	100.0%	96.6%	94.1%	100.0%	98.3%	100.0%	100.0%	99.5%	79.9%	100.0%	100.0%	98.3%
	2013	100.0%	100.0%	100.0%	94.2%	96.9%	96.8%	100.0%	100.0%	99.3%	100.0%	96.8%	87.6%	99.3%	100.0%
	2014	100.0%	100.0%	78.5%	100.0%	100.0%	99.5%	96.5%	100.0%	99.7%	98.9%	100.0%	100.0%	100.0%	100.0%
	2015	100.0%	100.0%	99.3%	97.1%	98.7%	100.0%	97.7%	98.8%	95.3%	99.1%	94.2%	94.0%	100.0%	100.0%
Projected	2016	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2017	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2018	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2019	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2020	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2021	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2022	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2023	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2024	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2025	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%
	2006-2015	98.6%	99.5%	95.1%	98.3%	97.6%	99.6%	98.5%	99.6%	98.6%	98.8%	93.2%	94.5%	99.3%	99.6%
	2016-2025	99.9%	100.0%	92.9%	98.0%	97.4%	99.2%	97.5%	99.4%	98.8%	99.1%	94.2%	94.0%	99.9%	99.4%

# FMPA 2016 Load Forecast - Base Case - Ocala

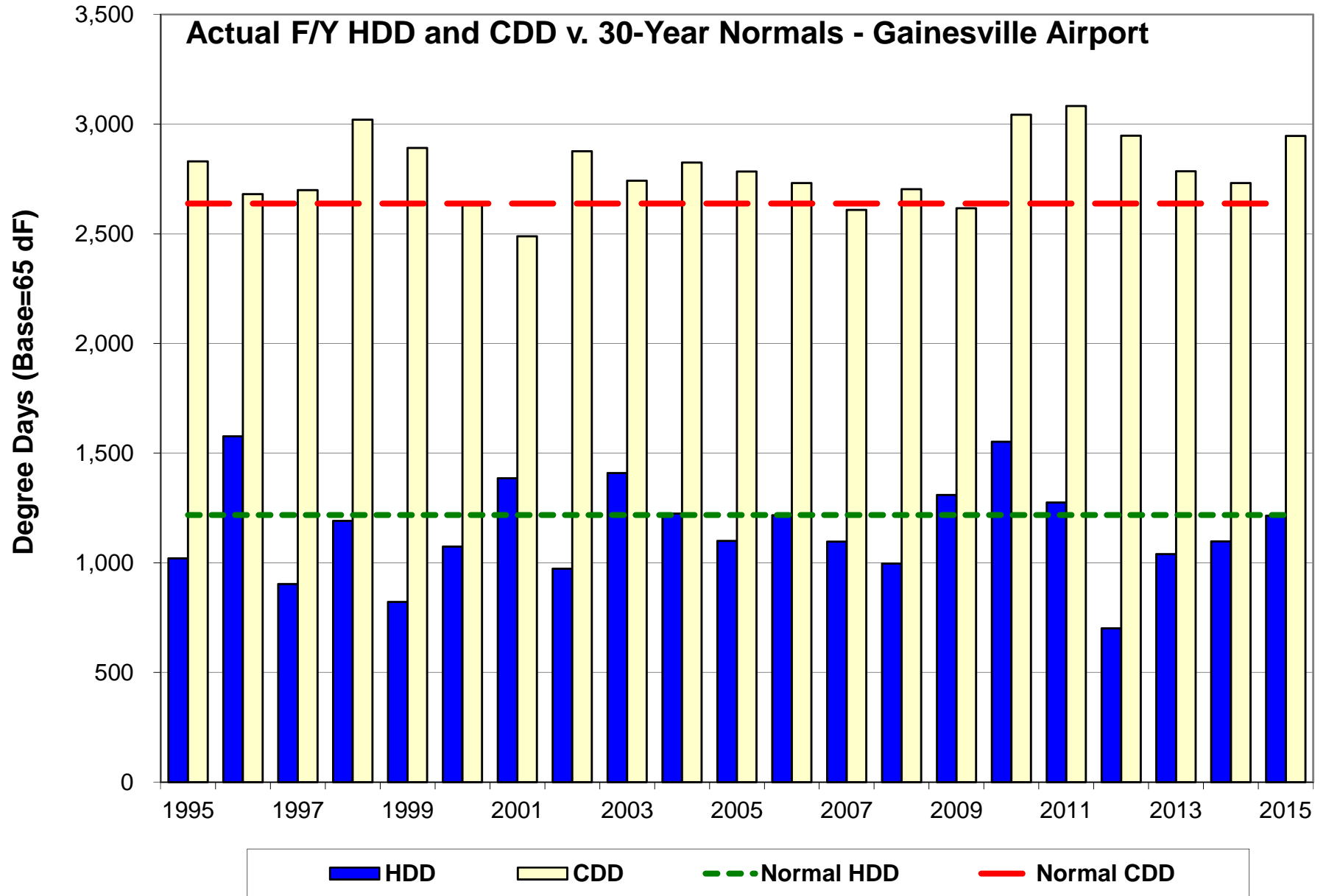
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

Fiscal Year		Residential						General Service Non-Demand						Industrial						Lights		City		TOTAL SALES		DISTR.	TOTAL NEL		
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	(MWh)	% Chg
Historical	2006	550,124		41,555		13,239		151,796		6,997		21.7		645,303		1,195		540		11,429		15,653		1,374,305		61,300	1,435,605		-0.9%
	2007	539,639	-1.9%	42,234	1.6%	12,777	-3.5%	150,413	-0.9%	7,242	3.5%	20.8	-4.3%	658,620	2.1%	1,214	1.6%	542	0.5%	11,972	4.8%	15,483	-1.1%	1,376,127	0.1%	46,542	1,422,669		-4.4%
	2008	505,811	-6.3%	41,372	-2.0%	12,226	-4.3%	167,480	11.3%	7,393	2.1%	22.7	9.1%	606,072	-8.0%	1,060	-12.7%	572	5.4%	12,454	4.0%	14,342	-7.4%	1,306,159	-5.1%	53,397	1,359,556		-4.4%
	2009	505,880	0.0%	40,119	-3.0%	12,609	3.1%	169,056	0.9%	7,188	-2.8%	23.5	3.8%	549,768	-9.3%	971	-8.4%	566	-0.9%	12,525	0.6%	14,641	2.1%	1,251,870	-4.2%	48,099	1,299,969		-4.4%
	2010	535,768	5.9%	39,082	-2.6%	13,709	8.7%	170,158	0.7%	7,043	-2.0%	24.2	2.7%	546,838	-0.5%	964	-0.7%	567	0.2%	12,628	0.8%	14,923	1.9%	1,280,315	2.3%	57,585	1,337,900		2.9%
	2011	523,603	-2.3%	39,663	1.5%	13,201	-3.7%	167,759	-1.4%	7,242	2.8%	23.2	-4.1%	554,408	1.4%	1,009	4.7%	549	-3.2%	12,460	-1.3%	13,122	-12.1%	1,271,352	-0.7%	30,922	1,302,274		-2.7%
	2012	471,445	-10.0%	40,083	1.1%	11,762	-10.9%	158,200	-5.7%	6,984	-3.6%	22.7	-2.2%	529,949	-4.4%	1,008	-0.1%	526	-4.3%	12,541	0.6%	13,024	-0.7%	1,185,159	-6.8%	45,400	1,230,559		-5.5%
	2013	478,340	1.5%	40,173	0.2%	11,907	1.2%	158,730	0.3%	7,165	2.6%	22.2	-2.2%	533,600	0.7%	1,000	-0.8%	534	1.5%	12,775	1.9%	13,192	1.3%	1,196,637	1.0%	41,830	1,238,467		0.6%
	2014	490,714	2.6%	40,231	0.1%	12,197	2.4%	165,155	4.0%	7,249	1.2%	22.8	2.9%	523,308	-1.9%	963	-3.7%	543	1.8%	11,874	-7.1%	23,046	74.7%	1,214,097	1.5%	49,237	1,263,334		2.0%
2015	510,914	4.1%	40,906	1.7%	12,490	2.4%	169,061	2.4%	7,365	1.6%	23.0	0.8%	528,839	1.1%	990	2.8%	534	-1.7%	12,150	2.3%	23,894	3.7%	1,244,858	2.5%	49,913	1,294,771		2.5%	
Projected	2016	510,637	-0.1%	41,343	1.1%	12,351	-1.1%	168,111	-0.6%	7,416	0.7%	22.7	-1.2%	530,399	0.3%	1,000	1.0%	530	-0.7%	12,220	0.6%	23,777	-0.5%	1,245,144	0.0%	43,870	1,289,015		-0.4%
	2017	518,657	1.6%	42,001	1.6%	12,349	0.0%	170,270	1.3%	7,504	1.2%	22.7	0.1%	537,904	1.4%	1,017	1.7%	529	-0.3%	12,306	0.7%	23,834	0.2%	1,262,972	1.4%	44,601	1,307,573		1.4%
	2018	526,138	1.4%	42,622	1.5%	12,344	0.0%	173,085	1.7%	7,614	1.5%	22.7	0.2%	545,459	1.4%	1,034	1.6%	528	-0.2%	12,445	1.1%	23,967	0.6%	1,281,093	1.4%	45,231	1,326,324		1.4%
	2019	531,839	1.1%	43,060	1.0%	12,351	0.1%	175,945	1.7%	7,730	1.5%	22.8	0.1%	552,512	1.3%	1,050	1.6%	526	-0.3%	12,601	1.3%	24,099	0.6%	1,296,995	1.2%	45,776	1,342,771		1.2%
	2020	537,306	1.0%	43,432	0.9%	12,371	0.2%	178,869	1.7%	7,849	1.5%	22.8	0.1%	559,446	1.3%	1,066	1.5%	525	-0.3%	12,765	1.3%	24,233	0.6%	1,312,618	1.2%	46,331	1,358,949		1.2%
	2021	543,523	1.2%	43,843	0.9%	12,397	0.2%	181,826	1.7%	7,969	1.5%	22.8	0.1%	566,319	1.2%	1,082	1.5%	523	-0.3%	12,932	1.3%	24,366	0.6%	1,328,966	1.2%	46,909	1,375,875		1.2%
	2022	549,293	1.1%	44,213	0.8%	12,424	0.2%	184,776	1.6%	8,090	1.5%	22.8	0.1%	573,064	1.2%	1,097	1.4%	522	-0.2%	13,099	1.3%	24,497	0.5%	1,344,729	1.2%	47,462	1,392,191		1.2%
	2023	554,957	1.0%	44,570	0.8%	12,451	0.2%	187,747	1.6%	8,210	1.5%	22.9	0.1%	579,734	1.2%	1,113	1.4%	521	-0.2%	13,266	1.3%	24,628	0.5%	1,360,333	1.2%	48,013	1,408,346		1.2%
	2024	560,648	1.0%	44,927	0.8%	12,479	0.2%	190,717	1.6%	8,331	1.5%	22.9	0.1%	586,349	1.1%	1,128	1.4%	520	-0.2%	13,434	1.3%	24,756	0.5%	1,375,903	1.1%	48,562	1,424,466		1.1%
	2025	566,302	1.0%	45,279	0.8%	12,507	0.2%	193,692	1.6%	8,452	1.5%	22.9	0.1%	592,841	1.1%	1,142	1.3%	519	-0.2%	13,601	1.2%	24,883	0.5%	1,391,319	1.1%	49,106	1,440,425		1.1%
	2026	571,755	1.0%	45,611	0.7%	12,536	0.2%	196,695	1.6%	8,574	1.4%	22.9	0.1%	599,263	1.1%	1,157	1.3%	518	-0.2%	13,769	1.2%	25,008	0.5%	1,406,490	1.1%	49,640	1,456,130		1.1%
	2027	577,288	1.0%	45,948	0.7%	12,564	0.2%	199,680	1.5%	8,695	1.4%	23.0	0.1%	605,647	1.1%	1,172	1.3%	517	-0.2%	13,935	1.2%	25,131	0.5%	1,421,682	1.1%	50,177	1,471,859		1.1%
	2028	582,814	1.0%	46,283	0.7%	12,592	0.2%	202,639	1.5%	8,815	1.4%	23.0	0.1%	611,993	1.0%	1,186	1.2%	516	-0.2%	14,100	1.2%	25,251	0.5%	1,436,797	1.1%	50,710	1,487,507		1.1%
	2029	588,310	0.9%	46,617	0.7%	12,620	0.2%	205,561	1.4%	8,934	1.3%	23.0	0.1%	618,290	1.0%	1,200	1.2%	515	-0.1%	14,263	1.2%	25,366	0.5%	1,451,790	1.0%	51,239	1,503,029		1.0%
	2030	593,706	0.9%	46,945	0.7%	12,647	0.2%	208,437	1.4%	9,051	1.3%	23.0	0.1%	624,470	1.0%	1,214	1.1%	515	-0.1%	14,422	1.1%	25,477	0.4%	1,466,514	1.0%	51,757	1,518,270		1.0%
	2031	598,941	0.9%	47,262	0.7%	12,673	0.2%	211,228	1.3%	9,164	1.3%	23.0	0.1%	630,599	1.0%	1,227	1.1%	514	-0.1%	14,577	1.1%	25,582	0.4%	1,480,927	1.0%	52,264	1,533,191		1.0%
	2032	604,107	0.9%	47,577	0.7%	12,698	0.2%	213,923	1.3%	9,274	1.2%	23.1	0.1%	636,772	1.0%	1,240	1.0%	514	-0.1%	14,727	1.0%	25,680	0.4%	1,495,209	1.0%	52,768	1,547,977		1.0%
	2033	609,149	0.8%	47,886	0.6%	12,721	0.2%	216,579	1.2%	9,382	1.2%	23.1	0.1%	642,930	1.0%	1,252	1.0%	514	0.0%	14,874	1.0%	25,774	0.4%	1,509,305	0.9%	53,265	1,562,570		0.9%
	2034	614,078	0.8%	48,189	0.6%	12,743	0.2%	219,228	1.2%	9,490	1.1%	23.1	0.1%	648,963	0.9%	1,264	1.0%	513	0.0%	15,020	1.0%	25,866	0.4%	1,523,155	0.9%	53,753	1,576,908		0.9%
	2035	619,062	0.8%	48,499	0.6%	12,764	0.2%	221,917	1.2%	9,599	1.2%	23.1	0.1%	654,843	0.9%	1,276	1.0%	513	-0.1%	15,168	1.0%	25,959	0.4%	1,536,949	0.9%	54,240	1,591,189		0.9%
CAGR	2006-2015		-0.8%		-0.2%		-0.6%		1.2%		0.6%		0.6%		-2.2%		-2.1%		-0.1%		0.7%		4.8%		-1.1%			-1.1%	
	2016-2025		1.2%		1.0%		0.1%		1.6%		1.5%		0.1%		1.2%		1.5%		-0.2%		1.2%		0.5%		1.2%			1.2%	
	2026-2035		0.9%		0.7%		0.2%		1.3%		1.3%		0.1%		1.0%		1.1%		-0.1%		1.1%		0.4%		1.0%			1.0%	

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
Ocala (Marion County)

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	231.3	-	92.5	-	92.8	-	10.14	-	4,764	-	5,586	-	60,416	-
1996	237.5	2.7%	95.3	3.1%	98.4	6.0%	10.45	3.0%	5,048	6.0%	5,910	5.8%	62,018	2.7%
1997	244.1	2.8%	98.3	3.2%	102.4	4.1%	10.97	5.0%	5,222	3.4%	6,199	4.9%	63,044	1.7%
1998	250.6	2.6%	101.4	3.1%	107.4	4.9%	11.20	2.1%	5,503	5.4%	6,728	8.5%	66,375	5.3%
1999	255.6	2.0%	104.5	3.1%	110.7	3.1%	11.25	0.5%	5,704	3.6%	7,018	4.3%	67,160	1.2%
2000	260.7	2.0%	108.0	3.4%	114.0	3.0%	11.06	-1.8%	5,762	1.0%	7,355	4.8%	68,093	1.4%
2001	265.6	1.9%	111.0	2.8%	112.5	-1.3%	9.87	-10.7%	5,883	2.1%	7,547	2.6%	67,968	-0.2%
2002	272.8	2.7%	114.9	3.5%	115.7	2.8%	9.33	-5.5%	6,094	3.6%	7,621	1.0%	66,330	-2.4%
2003	281.6	3.2%	119.5	4.0%	121.4	5.0%	9.23	-1.0%	6,583	8.0%	8,038	5.5%	67,283	1.4%
2004	292.8	4.0%	124.6	4.3%	128.8	6.0%	9.60	4.0%	7,100	7.9%	8,712	8.4%	69,915	3.9%
2005	305.2	4.2%	130.1	4.4%	135.9	5.5%	9.95	3.6%	7,715	8.7%	9,511	9.2%	73,103	4.6%
2006	317.3	4.0%	134.8	3.6%	144.7	6.5%	9.89	-0.7%	8,326	7.9%	10,350	8.8%	76,780	5.0%
2007	325.9	2.7%	137.6	2.1%	147.8	2.1%	9.59	-3.0%	8,286	-0.5%	10,668	3.1%	77,523	1.0%
2008	329.9	1.2%	138.4	0.6%	143.3	-3.0%	8.25	-13.9%	7,835	-5.4%	10,596	-0.7%	76,579	-1.2%
2009	330.9	0.3%	137.7	-0.5%	133.9	-6.6%	6.66	-19.3%	7,017	-10.4%	10,334	-2.5%	75,052	-2.0%
2010	331.7	0.2%	138.1	0.3%	130.2	-2.7%	6.41	-3.7%	6,964	-0.8%	10,728	3.8%	77,710	3.5%
2011	332.8	0.3%	138.8	0.6%	131.6	1.1%	6.44	0.4%	6,861	-1.5%	11,331	5.6%	81,616	5.0%
2012	334.7	0.6%	139.1	0.2%	133.7	1.6%	6.73	4.5%	6,779	-1.2%	10,973	-3.2%	78,906	-3.3%
2013	336.6	0.6%	138.5	-0.4%	135.6	1.5%	6.93	3.0%	6,883	1.5%	10,930	-0.4%	78,942	0.0%
2014	339.6	0.9%	138.9	0.3%	138.4	2.0%	7.25	4.7%	7,128	3.6%	11,307	3.4%	81,414	3.1%
2015	344.0	1.3%	140.8	1.4%	141.6	2.3%	7.60	4.7%	7,431	4.3%	11,751	3.9%	83,325	2.3%
2016	349.4	1.6%	143.3	1.7%	144.5	2.0%	7.68	1.1%	7,730	4.0%	12,163	3.5%	84,764	1.7%
2017	354.9	1.6%	145.8	1.7%	147.3	1.9%	7.76	1.0%	8,046	4.1%	12,592	3.5%	86,243	1.7%
2018	360.5	1.6%	148.3	1.7%	150.0	1.9%	7.83	0.9%	8,352	3.8%	13,032	3.5%	87,765	1.8%
2019	366.2	1.6%	150.8	1.7%	152.8	1.8%	7.86	0.3%	8,645	3.5%	13,490	3.5%	89,340	1.8%
2020	372.0	1.6%	153.3	1.7%	155.5	1.8%	7.88	0.2%	8,947	3.5%	13,967	3.5%	90,968	1.8%
2021	377.8	1.6%	155.8	1.7%	158.2	1.7%	7.89	0.2%	9,214	3.0%	14,448	3.4%	92,571	1.8%
2022	383.7	1.6%	158.2	1.5%	160.9	1.7%	7.89	0.0%	9,506	3.2%	14,943	3.4%	94,285	1.9%
2023	389.7	1.6%	160.6	1.5%	163.6	1.7%	7.89	-0.1%	9,808	3.2%	15,448	3.4%	96,041	1.9%
2024	395.7	1.5%	162.9	1.4%	166.2	1.6%	7.87	-0.2%	10,094	2.9%	15,959	3.3%	97,805	1.8%
2025	401.8	1.5%	165.2	1.4%	168.9	1.6%	7.82	-0.6%	10,376	2.8%	16,488	3.3%	99,632	1.9%
2026	407.9	1.5%	167.5	1.4%	171.5	1.6%	7.76	-0.8%	10,677	2.9%	17,023	3.2%	101,460	1.8%
2027	414.1	1.5%	169.8	1.4%	174.2	1.5%	7.70	-0.7%	10,995	3.0%	17,564	3.2%	103,266	1.8%
2028	420.3	1.5%	172.1	1.4%	176.8	1.5%	7.64	-0.8%	11,314	2.9%	18,107	3.1%	105,035	1.7%
2029	426.6	1.5%	174.4	1.3%	179.4	1.5%	7.59	-0.7%	11,647	2.9%	18,653	3.0%	106,800	1.7%
2030	433.0	1.5%	176.6	1.3%	182.0	1.5%	7.53	-0.7%	11,976	2.8%	19,195	2.9%	108,521	1.6%
2031	439.3	1.5%	178.8	1.2%	184.7	1.4%	7.48	-0.7%	12,341	3.0%	19,723	2.7%	110,130	1.5%
2032	445.7	1.4%	181.0	1.2%	187.3	1.4%	7.42	-0.8%	12,709	3.0%	20,249	2.7%	111,717	1.4%
2033	452.0	1.4%	183.1	1.2%	189.9	1.4%	7.36	-0.7%	13,078	2.9%	20,780	2.6%	113,297	1.4%
2034	458.4	1.4%	185.3	1.2%	192.4	1.3%	7.30	-0.8%	13,450	2.8%	21,321	2.6%	114,884	1.4%
2035	464.8	1.4%	187.5	1.2%	194.9	1.3%	7.24	-0.9%	13,832	2.8%	21,888	2.7%	116,543	1.4%
Average Percent Change														
2005-2015		1.2%		0.8%		0.4%		-2.7%		-0.4%		2.1%		1.3%
2016-2025		1.6%		1.6%		1.7%		0.2%		3.3%		3.4%		1.8%
2026-2035		1.5%		1.3%		1.4%		-0.8%		2.9%		2.9%		1.6%





Starke

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# FMPA 2016 Load Forecast - Base Case

## Starke

### Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	79,685	-	78,723	-	-1.2%	15.5	-	14.6	-	-5.7%	16.1	-	17.2	-	6.6%
	2007	79,065	-0.8%	79,905	1.5%	1.1%	13.6	-12.3%	15.1	3.0%	10.7%	17.2	7.0%	16.8	-2.1%	-2.4%
	2008	76,955	-2.7%	77,313	-3.2%	0.5%	15.7	15.1%	14.6	-3.3%	-6.9%	16.8	-2.7%	16.7	-0.5%	-0.2%
	2009	75,961	-1.3%	75,740	-2.0%	-0.3%	16.4	4.6%	15.2	4.0%	-7.5%	16.1	-3.8%	16.9	0.9%	4.6%
	2010	78,225	3.0%	73,860	-2.5%	-5.6%	18.3	11.6%	15.4	1.4%	-16.0%	16.0	-1.1%	15.5	-8.4%	-3.1%
	2011	75,725	-3.2%	71,949	-2.6%	-5.0%	16.1	-12.1%	15.8	2.7%	-1.9%	13.0	-18.7%	11.8	-23.4%	-8.7%
	2012	69,269	-8.5%	69,069	-4.0%	-0.3%	15.1	-5.9%	13.7	-13.4%	-9.7%	14.7	13.1%	13.7	15.3%	-6.9%
	2013	68,678	-0.9%	68,399	-1.0%	-0.4%	12.7	-16.2%	13.0	-5.0%	2.3%	15.1	2.7%	15.5	13.7%	3.1%
	2014	69,954	1.9%	69,652	1.8%	-0.4%	13.7	7.9%	14.1	8.8%	3.2%	15.2	1.1%	15.7	1.3%	3.2%
	2015	71,692	2.5%	69,695	0.1%	-2.8%	15.2	10.7%	15.2	7.8%	0.5%	15.6	2.0%	16.8	6.8%	8.1%
Projected	2016	71,519	-0.2%	71,519	2.6%		14.7	-3.3%	14.7	-3.8%		15.2	-2.2%	15.2	-9.5%	
	2017			71,547	0.0%				14.6	-0.1%				15.2	-0.1%	
	2018			71,418	-0.2%				14.6	-0.1%				15.2	-0.1%	
	2019			71,641	0.3%				14.7	0.4%				15.3	0.4%	
	2020			72,139	0.7%				14.8	0.8%				15.4	0.8%	
	2021			72,730	0.8%				14.9	0.8%				15.5	0.8%	
	2022			73,227	0.7%				15.0	0.6%				15.6	0.6%	
	2023			73,601	0.5%				15.1	0.5%				15.7	0.5%	
	2024			73,988	0.5%				15.2	0.5%				15.8	0.5%	
	2025			74,392	0.5%				15.3	0.5%				15.8	0.5%	
	2026			74,747	0.5%				15.3	0.5%				15.9	0.5%	
	2027			75,088	0.5%				15.4	0.5%				16.0	0.5%	
	2028			75,398	0.4%				15.5	0.4%				16.0	0.4%	
	2029			75,678	0.4%				15.5	0.4%				16.1	0.4%	
	2030			75,940	0.3%				15.6	0.3%				16.2	0.3%	
	2031			76,090	0.2%				15.6	0.2%				16.2	0.2%	
	2032			76,396	0.4%				15.7	0.4%				16.3	0.4%	
	2033			76,717	0.4%				15.7	0.4%				16.3	0.4%	
	2034			77,055	0.4%				15.8	0.4%				16.4	0.4%	
	2035			77,365	0.4%				15.9	0.4%				16.5	0.4%	
CAGR <sup>[3]</sup>	2006-2015		-1.2%		-1.3%			-0.3%		0.4%			-0.4%		-0.2%	
	2016-2025				0.4%					0.4%					0.4%	
	2026-2035				0.4%					0.4%					0.4%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2016 Load Forecast - Base Case**  
**Starke**  
**2016 v. 2015 (Base Case) Forecast Results Comparison**

		Net Energy for Load (FY)				NCP Demand				CP w/ARP Seasonal CP			
		Current		Previous		Current		Previous		Current		Previous	
		(MWh)	Yearly % Change	(MWh)	Yearly % Change	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)	Winter (MW)	Summer (MW)
Historical	2006	79,685	-	79,685	-	15.5	16.9	15.5	16.9	15.5	16.1	15.5	16.1
	2007	79,065	-0.8%	79,065	-0.8%	14.8	17.4	14.8	17.4	13.6	17.2	13.6	17.2
	2008	76,955	-2.7%	76,955	-2.7%	15.7	16.8	15.7	16.8	15.7	16.8	15.7	16.8
	2009	75,961	-1.3%	75,961	-1.3%	16.8	16.3	16.8	16.3	16.4	16.1	16.4	16.1
	2010	78,225	3.0%	78,225	3.0%	18.6	16.4	18.6	16.4	18.3	16.0	18.3	16.0
	2011	75,725	-3.2%	75,725	-3.2%	16.8	16.0	16.8	16.0	16.1	13.0	16.1	13.0
	2012	69,269	-8.5%	69,269	-8.5%	15.1	14.9	15.1	14.9	15.1	14.7	15.1	14.7
	2013	68,678	-0.9%	68,678	-0.9%	13.5	15.2	13.5	15.2	12.7	15.1	12.7	15.1
	2014	69,954	1.9%	69,954	1.9%	15.0	15.3	15.0	15.3	13.7	15.2	13.7	15.2
	2015	71,692	2.5%	70,311	0.5%	15.2	15.7	14.7	15.4	15.2	15.6	14.3	14.6
Projected	2016	71,519	-0.2%	70,544	0.3%	15.1	16.2	14.7	15.5	14.7	15.2	14.3	14.6
	2017	71,547	0.0%	70,638	0.1%	15.0	16.1	14.8	15.5	14.6	15.2	14.3	14.6
	2018	71,418	-0.2%	71,017	0.5%	15.0	16.1	14.9	15.6	14.6	15.2	14.4	14.7
	2019	71,641	0.3%	71,518	0.7%	15.1	16.2	15.0	15.7	14.7	15.3	14.5	14.8
	2020	72,139	0.7%	71,903	0.5%	15.2	16.3	15.0	15.8	14.8	15.4	14.6	14.9
	2021	72,730	0.8%	72,149	0.3%	15.3	16.4	15.1	15.9	14.9	15.5	14.6	14.9
	2022	73,227	0.7%	72,476	0.5%	15.4	16.5	15.2	15.9	15.0	15.6	14.7	15.0
	2023	73,601	0.5%	72,805	0.5%	15.5	16.6	15.2	16.0	15.1	15.7	14.8	15.1
	2024	73,988	0.5%	73,160	0.5%	15.6	16.7	15.3	16.1	15.2	15.8	14.9	15.1
	2025	74,392	0.5%	73,549	0.5%	15.7	16.8	15.4	16.2	15.3	15.8	14.9	15.2
	2026	74,747	0.5%	73,900	0.5%	15.7	16.9	15.5	16.2	15.3	15.9	15.0	15.3
	2027	75,088	0.5%	74,213	0.4%	15.8	17.0	15.5	16.3	15.4	16.0	15.1	15.4
	2028	75,398	0.4%	74,540	0.4%	15.9	17.0	15.6	16.4	15.5	16.0	15.1	15.4
	2029	75,678	0.4%	74,866	0.4%	15.9	17.1	15.7	16.5	15.5	16.1	15.2	15.5
	2030	75,940	0.3%	75,213	0.5%	16.0	17.2	15.7	16.5	15.6	16.2	15.3	15.6
	2031	76,090	0.2%	75,576	0.5%	16.0	17.2	15.8	16.6	15.6	16.2	15.3	15.6
	2032	76,396	0.4%	75,923	0.5%	16.1	17.3	15.9	16.7	15.7	16.3	15.4	15.7
	2033	76,717	0.4%	76,285	0.5%	16.2	17.3	16.0	16.8	15.7	16.3	15.5	15.8
	2034	77,055	0.4%	76,657	0.5%	16.2	17.4	16.0	16.8	15.8	16.4	15.6	15.9
	2035	77,365	0.4%			16.3	17.5			15.9	16.5		
CAGR <sup>[1]</sup>	Historical		-1.2%		-1.6%	-0.3%	-0.8%	-0.4%	-1.3%	1.4%	-1.3%	0.1%	-1.7%
	1st 10 Prj Yrs		0.4%		0.5%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
	2nd 10 Prj Yrs		0.4%		0.5%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate

FMPA 2016 Load Forecast - Base Case

**Starke**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2006	5,970	5,558	5,618	5,819	6,921	7,391	8,028	8,660	7,346	6,248	5,514	5,780	78,852	79,685
	2007	6,021	5,576	5,767	5,711	6,621	7,436	8,146	8,757	7,489	6,679	5,356	5,775	79,334	79,065
	2008	6,289	5,400	5,510	5,677	6,652	7,323	7,452	7,723	7,120	5,940	5,544	5,760	76,390	76,955
	2009	6,290	5,545	5,473	5,288	6,450	7,548	7,556	7,546	7,021	6,425	5,072	5,829	76,043	75,961
	2010	7,048	6,013	5,541	5,122	6,812	7,557	7,843	7,935	7,027	5,584	5,036	7,065	78,583	78,225
	2011	6,378	5,077	5,152	5,612	6,503	7,214	7,448	7,965	6,690	5,335	4,917	5,188	73,481	75,725
	2012	5,543	4,782	5,162	5,262	6,236	6,296	7,226	6,868	6,454	5,647	4,927	5,288	69,690	69,269
	2013	5,104	4,768	5,291	5,058	5,657	6,574	6,705	7,159	6,501	5,654	4,878	5,181	68,528	68,678
	2014	6,373	4,827	5,084	5,043	5,941	6,516	7,006	7,176	6,275	5,474	5,154	5,360	70,229	69,954
	2015	5,736	5,304	5,191	5,407	6,308	6,955	7,191	7,160	6,452	5,706	5,189	5,663	72,262	71,692
Projected	2016	5,808	4,980	5,200	5,161	6,155	6,650	7,254	7,191	6,563	5,685	5,253	5,665	71,564	71,519
	2017	5,843	4,981	5,202	5,162	6,151	6,640	7,239	7,174	6,553	5,675	5,242	5,654	71,516	71,547
	2018	5,829	4,969	5,191	5,151	6,137	6,624	7,226	7,165	6,556	5,681	5,250	5,663	71,440	71,418
	2019	5,839	4,981	5,206	5,168	6,159	6,650	7,257	7,198	6,589	5,711	5,280	5,697	71,736	71,641
	2020	5,877	5,014	5,241	5,204	6,204	6,700	7,313	7,256	6,642	5,757	5,322	5,745	72,275	72,139
	2021	5,928	5,057	5,284	5,246	6,254	6,754	7,373	7,315	6,694	5,800	5,361	5,789	72,856	72,730
	2022	5,974	5,094	5,321	5,281	6,295	6,798	7,420	7,360	6,734	5,833	5,391	5,820	73,321	73,227
	2023	6,005	5,120	5,348	5,307	6,326	6,831	7,456	7,396	6,767	5,862	5,418	5,850	73,687	73,601
	2024	6,036	5,147	5,376	5,335	6,360	6,868	7,497	7,436	6,804	5,894	5,447	5,882	74,082	73,988
	2025	6,070	5,176	5,405	5,364	6,394	6,905	7,537	7,476	6,840	5,925	5,475	5,911	74,480	74,392
Projected	2026	6,100	5,201	5,431	5,389	6,424	6,937	7,510	7,451	6,871	5,952	5,500	5,938	74,825	74,747
	2027	6,127	5,224	5,456	5,415	6,454	6,969	7,606	7,544	6,902	5,979	5,525	5,964	75,166	75,088
	2028	6,153	5,246	5,479	5,437	6,481	6,997	7,635	7,573	6,929	6,002	5,547	5,986	75,464	75,398
	2029	6,174	5,265	5,500	5,458	6,505	7,023	7,663	7,600	6,954	6,025	5,568	6,008	75,744	75,678
	2030	6,196	5,284	5,520	5,478	6,528	7,047	7,688	7,623	6,974	6,042	5,583	6,020	75,984	75,940
	2031	6,206	5,292	5,530	5,489	6,541	7,060	7,701	7,637	6,990	6,058	5,600	6,039	76,141	76,090
	2032	6,226	5,312	5,553	5,513	6,570	7,092	7,737	7,673	7,023	6,086	5,625	6,066	76,476	76,396
	2033	6,253	5,334	5,576	5,536	6,597	7,121	7,768	7,704	7,052	6,112	5,649	6,091	76,792	76,717
	2034	6,280	5,358	5,601	5,560	6,626	7,153	7,803	7,738	7,083	6,138	5,673	6,117	77,132	77,055
	2035	6,306	5,379	5,624	5,583	6,653	7,181	7,833	7,768	7,110	6,162	5,695	6,140	77,434	77,365

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.0%	7.1%	7.4%	8.8%	9.4%	10.2%	11.0%	9.3%	7.9%	7.0%	7.3%	100.0%
	2007	7.6%	7.0%	7.3%	7.2%	8.3%	9.4%	10.3%	11.0%	9.4%	8.4%	6.8%	7.3%	100.0%
	2008	8.2%	7.1%	7.2%	7.4%	8.7%	9.6%	9.8%	10.1%	9.3%	7.8%	7.3%	7.5%	100.0%
	2009	8.3%	7.3%	7.2%	7.0%	8.5%	9.9%	9.9%	9.9%	9.2%	8.4%	6.7%	7.7%	100.0%
	2010	9.0%	7.7%	7.1%	6.5%	8.7%	9.6%	10.0%	10.1%	8.9%	7.1%	6.4%	9.0%	100.0%
	2011	8.7%	6.9%	7.0%	7.6%	8.9%	9.8%	10.1%	10.8%	9.1%	7.3%	6.7%	7.1%	100.0%
	2012	8.0%	6.9%	7.4%	7.5%	8.9%	9.0%	10.4%	9.9%	9.3%	8.1%	7.1%	7.6%	100.0%
	2013	7.4%	7.0%	7.7%	7.4%	8.3%	9.6%	9.8%	10.4%	9.5%	8.3%	7.1%	7.6%	100.0%
	2014	9.1%	6.9%	7.2%	7.2%	8.5%	9.3%	10.0%	10.2%	8.9%	7.8%	7.3%	7.6%	100.0%
	2015	7.9%	7.3%	7.2%	7.5%	8.7%	9.6%	10.0%	9.9%	8.9%	7.9%	7.2%	7.8%	100.0%
Projected	2016	8.1%	7.0%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	7.9%	7.3%	7.9%	100.0%
	2017	8.2%	7.0%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	7.9%	7.3%	7.9%	100.0%
	2018	8.2%	7.0%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.3%	7.9%	100.0%
	2019	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2020	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2021	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2022	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2023	8.2%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2024	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
	2025	8.2%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%
Avg.	2006-2015	8.2%	7.1%	7.2%	7.3%	8.6%	9.5%	10.0%	10.3%	9.2%	7.9%	6.9%	7.6%	100.0%
	2016-2025	8.1%	6.9%	7.3%	7.2%	8.6%	9.3%	10.1%	10.0%	9.2%	8.0%	7.4%	7.9%	100.0%

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FMPA 2016 Load Forecast - Base Case  
**Starke**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	13.7	15.5	11.3	13.6	15.1	15.9	16.3	16.9	16.0	13.8	10.8	12.4	15.5	16.9
	2007	14.8	14.2	12.4	12.5	13.4	16.3	16.8	17.4	15.8	14.8	11.0	12.4	14.8	17.4
	2008	15.7	13.3	11.3	11.7	13.7	16.2	15.6	16.8	15.6	13.1	13.2	13.5	15.7	16.8
	2009	16.7	16.8	13.3	11.4	14.4	16.3	15.2	15.9	14.6	14.8	10.1	12.7	16.8	16.3
	2010	18.6	14.3	12.9	10.6	14.2	16.4	16.4	16.0	15.3	13.2	10.8	16.3	18.6	16.4
	2011	16.8	13.2	9.7	13.1	14.4	15.7	15.5	16.0	14.0	11.8	10.1	10.8	16.8	16.0
	2012	15.1	14.8	10.4	11.9	13.7	13.9	14.9	14.2	14.0	13.0	11.2	11.7	15.1	14.9
	2013	11.3	13.5	12.7	11.2	12.5	14.6	14.3	15.2	14.8	12.3	10.9	11.4	13.5	15.2
	2014	15.0	12.5	10.3	12.3	13.2	14.4	14.4	15.3	14.2	12.4	14.4	12.0	15.0	15.3
	2015	14.0	15.2	10.1	11.9	14.0	15.7	15.1	15.1	14.1	13.0	10.7	12.3	15.2	15.7
Projected	2016	15.1	14.0	11.1	12.4	14.1	15.4	15.5	16.2	14.9	13.3	10.7	12.3	15.1	16.2
	2017	15.0	14.0	11.1	12.4	14.1	15.4	15.5	16.1	14.8	13.3	10.7	12.2	15.0	16.1
	2018	15.0	14.0	11.1	12.4	14.1	15.4	15.5	16.1	14.8	13.3	10.8	12.3	15.0	16.1
	2019	15.1	14.1	11.1	12.4	14.1	15.4	15.6	16.2	14.9	13.4	10.8	12.4	15.1	16.2
	2020	15.2	14.2	11.2	12.5	14.2	15.6	15.7	16.3	15.0	13.5	10.9	12.5	15.2	16.3
	2021	15.3	14.3	11.3	12.6	14.4	15.7	15.8	16.4	15.1	13.6	11.0	12.6	15.3	16.4
	2022	15.4	14.4	11.4	12.7	14.4	15.8	15.9	16.5	15.2	13.7	11.1	12.6	15.4	16.5
	2023	15.5	14.5	11.4	12.7	14.5	15.9	16.0	16.6	15.3	13.7	11.1	12.7	15.5	16.6
	2024	15.6	14.5	11.5	12.8	14.6	15.9	16.1	16.7	15.4	13.8	11.2	12.8	15.6	16.7
Projected	2025	15.7	14.6	11.5	12.9	14.7	16.0	16.2	16.8	15.5	13.9	11.2	12.8	15.7	16.8
	2026	15.7	14.7	11.6	12.9	14.7	16.1	16.3	16.9	15.5	14.0	11.3	12.9	15.7	16.9
	2027	15.8	14.7	11.7	13.0	14.8	16.2	16.3	17.0	15.6	14.0	11.3	12.9	15.8	17.0
	2028	15.9	14.8	11.7	13.1	14.9	16.2	16.4	17.0	15.7	14.1	11.4	13.0	15.9	17.0
	2029	15.9	14.9	11.7	13.1	14.9	16.3	16.5	17.1	15.7	14.1	11.4	13.0	15.9	17.1
	2030	16.0	14.9	11.8	13.1	15.0	16.4	16.5	17.2	15.8	14.2	11.4	13.0	16.0	17.2
	2031	16.0	14.9	11.8	13.2	15.0	16.4	16.5	17.2	15.8	14.2	11.5	13.1	16.0	17.2
	2032	16.1	15.0	11.9	13.2	15.1	16.5	16.6	17.3	15.9	14.3	11.5	13.2	16.1	17.3
	2033	16.2	15.1	11.9	13.3	15.1	16.5	16.7	17.3	15.9	14.3	11.6	13.2	16.2	17.3
	2034	16.2	15.1	12.0	13.3	15.2	16.6	16.8	17.4	16.0	14.4	11.6	13.3	16.2	17.4
	2035	16.3	15.2	12.0	13.4	15.3	16.7	16.8	17.5	16.1	14.4	11.7	13.3	16.3	17.5

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.6%	65.3%	66.8%		
	2006	58.4%	53.3%	66.7%	57.4%	68.2%	62.6%	68.3%	68.8%	63.8%	60.7%	68.7%	64.8%	58.0%	53.2%
	2007	54.8%	58.1%	62.4%	61.2%	73.6%	61.5%	67.4%	67.7%	65.7%	60.9%	65.6%	64.9%	61.3%	52.1%
	2008	53.9%	58.1%	65.4%	65.1%	72.4%	60.8%	66.2%	61.9%	63.4%	61.1%	56.6%	59.4%	55.7%	52.0%
	2009	50.5%	49.1%	55.4%	62.3%	66.8%	62.2%	69.1%	64.0%	67.0%	58.5%	67.3%	63.6%	51.7%	53.2%
	2010	51.0%	62.5%	57.7%	64.8%	71.2%	62.1%	66.5%	66.8%	63.7%	56.9%	62.8%	60.2%	48.3%	54.8%
	2011	50.9%	57.3%	71.7%	57.5%	67.1%	61.6%	66.7%	66.8%	66.3%	60.8%	65.2%	67.0%	49.8%	52.3%
	2012	49.2%	46.4%	66.5%	59.3%	68.0%	61.0%	67.2%	65.1%	63.8%	58.5%	59.1%	62.6%	52.5%	53.3%
	2013	60.8%	52.5%	56.0%	61.0%	67.2%	60.3%	65.1%	63.2%	60.9%	61.9%	60.0%	63.2%	57.9%	51.4%
Projected	2014	57.1%	57.6%	66.1%	54.9%	67.0%	60.9%	67.4%	63.0%	61.2%	59.2%	48.2%	62.0%	53.5%	52.4%
	2015	55.2%	52.1%	69.1%	61.1%	67.1%	59.6%	66.1%	63.9%	63.5%	59.1%	64.9%	64.1%	54.4%	52.6%
	2016	51.9%	51.0%	63.0%	56.0%	64.9%	58.0%	64.8%	59.8%	61.4%	57.2%	65.8%	64.2%	54.3%	50.6%
	2017	52.2%	52.8%	63.1%	56.1%	64.9%	58.0%	64.7%	59.7%	61.3%	57.2%	65.7%	64.2%	54.3%	50.6%
	2018	52.1%	52.8%	63.0%	56.0%	64.9%	57.9%	64.7%	59.7%	61.4%	57.3%	65.5%	64.0%	54.3%	50.6%
	2019	52.0%	52.7%	62.9%	56.0%	64.8%	57.9%	64.7%	59.8%	61.5%	57.4%	65.4%	63.9%	54.3%	50.6%
	2020	52.0%	50.8%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.4%	65.4%	63.9%	54.3%	50.6%
	2021	52.0%	52.6%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.4%	65.5%	64.0%	54.3%	50.6%
	2022	52.1%	52.7%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.3%	65.5%	64.0%	54.3%	50.6%
Avg.	2023	52.1%	52.7%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.3%	65.5%	64.0%	54.3%	50.6%
	2024	52.1%	50.9%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.3%	65.5%	64.0%	54.3%	50.6%
	2025	52.1%	52.7%	62.9%	55.9%	64.8%	57.9%	64.7%	59.8%	61.5%	57.3%	65.5%	64.0%	54.3%	50.6%
	2006-2015	54.2%	54.7%	63.7%	60.4%	68.9%	61.3%	67.0%	65.1%	63.9%	59.7%	61.8%	63.2%	54.3%	52.7%
	2016-2025	52.1%	52.2%	62.9%	56.0%	64.9%	57.9%	64.7%	59.8%	61.4%	57.3%	65.5%	64.0%	54.3%	50.6%

FMPA 2016 Load Forecast - Base Case  
**Starke**  
Monthly Coincident-Peak Demand with ARP (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	12.6	15.5	10.2	13.6	13.8	15.5	15.6	16.1	15.0	13.5	10.0	10.2	15.5	16.1
	2007	14.8	13.6	11.0	12.4	13.3	15.8	16.5	17.2	15.8	14.8	11.0	9.7	13.6	17.2
	2008	15.7	13.3	10.0	11.2	13.0	16.2	15.6	16.8	15.6	13.1	10.4	13.5	15.7	16.8
	2009	16.6	16.4	12.5	11.4	14.3	16.1	14.8	15.9	14.2	14.5	7.9	12.7	16.4	16.1
	2010	18.3	14.2	12.9	10.6	13.9	16.0	15.7	15.9	15.3	13.1	9.4	16.1	18.3	16.0
	2011	16.1	12.4	9.2	13.1	14.2	15.3	14.9	13.0	13.6	11.8	10.1	8.6	16.1	13.0
	2012	15.1	14.5	9.6	11.7	13.1	13.7	14.7	12.3	12.5	13.0	8.7	11.7	15.1	14.7
	2013	11.3	13.2	12.7	11.1	12.0	13.9	14.1	15.1	14.8	12.3	9.4	8.8	12.7	15.1
	2014	13.7	12.5	8.9	12.3	13.0	13.8	13.3	15.2	13.8	11.5	14.4	11.7	13.7	15.2
	2015	14.0	15.2	10.0	11.7	13.8	15.6	14.1	15.1	13.7	12.7	9.7	11.1	15.2	15.6
Projected	2016	14.7	13.7	10.5	12.2	13.8	15.0	14.9	15.2	14.3	13.1	9.7	11.1	14.7	15.2
	2017	14.6	13.7	10.5	12.2	13.8	15.0	14.9	15.2	14.3	13.1	9.7	11.1	14.6	15.2
	2018	14.6	13.7	10.4	12.2	13.7	14.9	14.9	15.2	14.3	13.1	9.7	11.1	14.6	15.2
	2019	14.7	13.8	10.5	12.2	13.8	15.0	14.9	15.3	14.3	13.1	9.8	11.2	14.7	15.3
	2020	14.8	13.9	10.6	12.3	13.9	15.1	15.0	15.4	14.4	13.2	9.9	11.3	14.8	15.4
	2021	14.9	14.0	10.7	12.4	14.0	15.2	15.2	15.5	14.5	13.4	9.9	11.4	14.9	15.5
	2022	15.0	14.1	10.7	12.5	14.1	15.3	15.3	15.6	14.6	13.4	10.0	11.4	15.0	15.6
	2023	15.1	14.1	10.8	12.6	14.2	15.4	15.3	15.7	14.7	13.5	10.0	11.5	15.1	15.7
	2024	15.2	14.2	10.8	12.6	14.2	15.5	15.4	15.8	14.8	13.6	10.1	11.5	15.2	15.8
	2025	15.3	14.3	10.9	12.7	14.3	15.6	15.5	15.8	14.9	13.6	10.1	11.6	15.3	15.8
Projected	2026	15.3	14.4	10.9	12.8	14.4	15.7	15.6	15.9	14.9	13.7	10.2	11.6	15.3	15.9
	2027	15.4	14.4	11.0	12.8	14.5	15.7	15.6	16.0	15.0	13.8	10.2	11.7	15.4	16.0
	2028	15.5	14.5	11.0	12.9	14.5	15.8	15.7	16.0	15.1	13.8	10.2	11.7	15.5	16.0
	2029	15.5	14.5	11.1	12.9	14.6	15.8	15.8	16.1	15.1	13.9	10.3	11.8	15.5	16.1
	2030	15.6	14.6	11.1	13.0	14.6	15.9	15.8	16.2	15.2	13.9	10.3	11.8	15.6	16.2
	2031	15.6	14.6	11.1	13.0	14.6	15.9	15.8	16.2	15.2	14.0	10.3	11.8	15.6	16.2
	2032	15.7	14.7	11.2	13.0	14.7	16.0	15.9	16.3	15.3	14.0	10.4	11.9	15.7	16.3
	2033	15.7	14.7	11.2	13.1	14.8	16.1	16.0	16.3	15.3	14.1	10.4	11.9	15.7	16.3
	2034	15.8	14.8	11.3	13.1	14.8	16.1	16.0	16.4	15.4	14.1	10.5	12.0	15.8	16.4
	2035	15.9	14.9	11.3	13.2	14.9	16.2	16.1	16.5	15.4	14.2	10.5	12.0	15.9	16.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										99.0%	97.8%	100.0%		
	2006	91.8%	100.0%	89.7%	100.0%	91.5%	97.4%	95.5%	95.2%	94.0%	97.2%	92.4%	82.5%	100.0%	95.2%
	2007	100.0%	96.2%	88.7%	99.2%	99.2%	97.2%	98.3%	99.3%	99.5%	100.0%	100.0%	78.6%	92.2%	99.3%
	2008	100.0%	100.0%	88.0%	95.4%	95.3%	100.0%	100.0%	100.0%	100.0%	100.0%	79.4%	100.0%	100.0%	100.0%
	2009	99.3%	97.6%	94.0%	100.0%	99.3%	99.0%	97.6%	100.0%	97.3%	98.3%	78.0%	100.0%	97.6%	99.0%
	2010	98.5%	98.8%	100.0%	100.0%	97.5%	97.5%	95.8%	99.3%	100.0%	99.0%	86.9%	98.7%	98.5%	97.5%
	2011	95.6%	93.9%	95.5%	100.0%	98.7%	97.1%	96.0%	80.9%	97.0%	100.0%	100.0%	80.4%	95.5%	80.9%
	2012	100.0%	98.0%	91.6%	98.5%	95.9%	98.6%	98.3%	86.4%	89.3%	100.0%	77.8%	100.0%	100.0%	98.3%
	2013	100.0%	97.4%	100.0%	99.5%	96.1%	95.2%	98.7%	99.0%	99.7%	100.0%	86.1%	77.4%	94.0%	99.0%
	2014	91.3%	100.0%	86.0%	100.0%	98.8%	96.0%	92.3%	99.7%	97.3%	92.2%	100.0%	97.7%	91.3%	99.7%
	2015	100.0%	100.0%	98.8%	98.3%	98.4%	99.1%	93.4%	100.0%	97.3%	98.2%	90.2%	90.4%	100.0%	99.1%
Projected	2016	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2017	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2018	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2019	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2020	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2021	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2022	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2023	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2024	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2025	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%
	2006-2015	97.7%	98.2%	93.2%	99.1%	97.1%	97.7%	96.6%	96.0%	97.1%	98.5%	89.1%	90.6%	96.9%	96.8%
	2016-2025	97.4%	97.9%	94.4%	98.5%	97.6%	97.2%	95.8%	94.2%	96.1%	98.2%	90.2%	90.4%	97.4%	94.2%

# FMPA 2016 Load Forecast - Base Case - Starke

## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2006-2035)

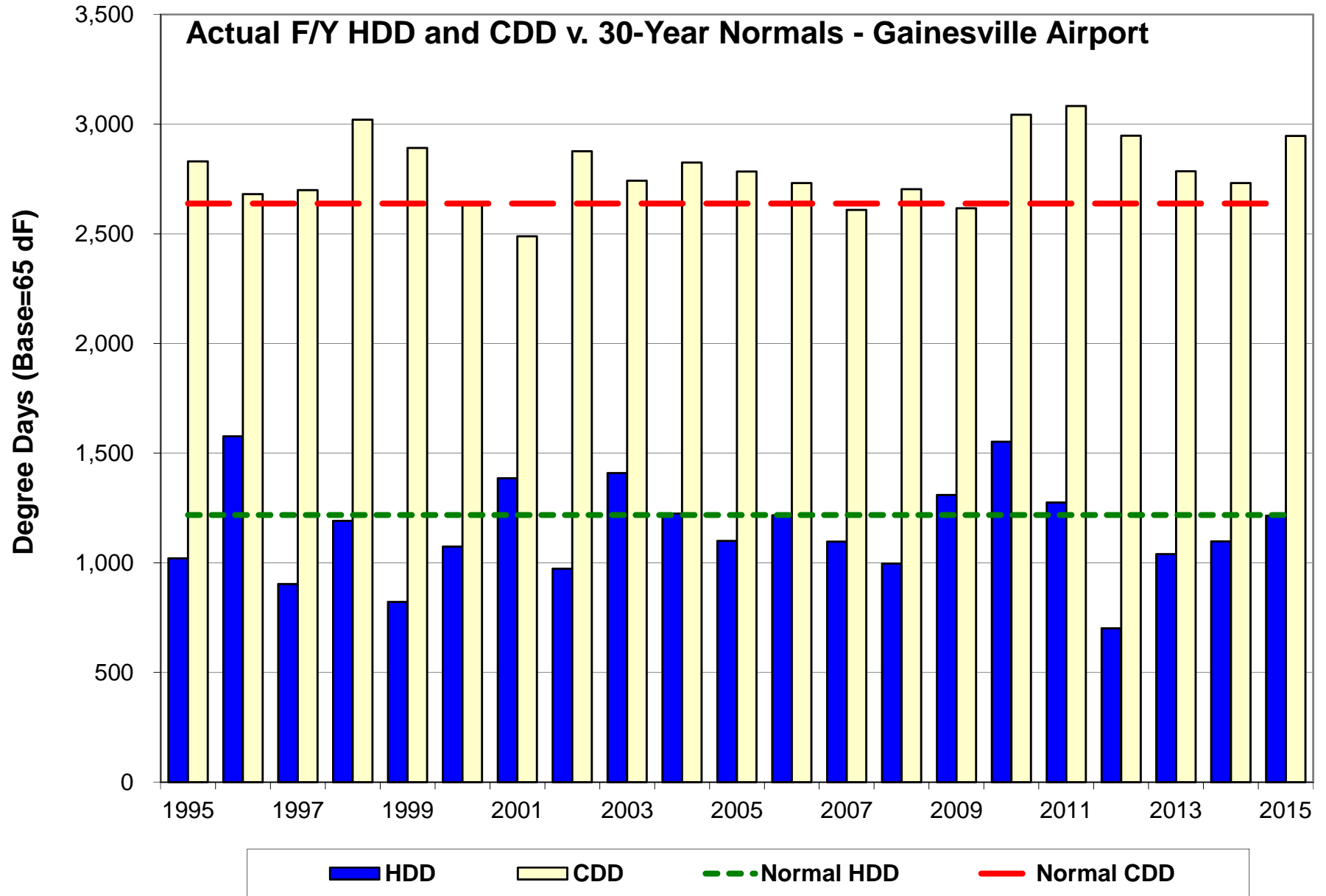
Fiscal Year		Residential						General Service						TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	% Chg
																(MWh)		
Historical	2006	25,351		2,053		12,351		43,566		696		62.6		68,917		10,768	79,685	
	2007	24,971	-1.5%	2,061	0.4%	12,117	-1.9%	43,805	0.5%	712	2.4%	61.5	-1.8%	68,776	-0.2%	10,289	79,065	-0.8%
	2008	24,341	-2.5%	2,041	-0.9%	11,924	-1.6%	43,787	0.0%	748	5.0%	58.5	-4.8%	68,128	-0.9%	8,827	76,955	-2.7%
	2009	24,125	-0.9%	2,024	-0.8%	11,918	-0.1%	41,452	-5.3%	741	-0.9%	55.9	-4.5%	65,577	-3.7%	10,384	75,961	-1.3%
	2010	25,702	6.5%	1,968	-2.8%	13,057	9.6%	46,163	11.4%	746	0.7%	61.9	10.6%	71,865	9.6%	6,360	78,225	3.0%
	2011	25,428	-1.1%	1,969	0.0%	12,915	-1.1%	45,518	-1.4%	735	-1.5%	62.0	0.1%	70,946	-1.3%	4,779	75,725	-3.2%
	2012	21,911	-13.8%	1,948	-1.1%	11,251	-12.9%	43,294	-4.9%	741	0.8%	58.5	-5.6%	65,205	-8.1%	4,064	69,269	-8.5%
	2013	21,836	-0.3%	1,945	-0.1%	11,227	-0.2%	42,904	-0.9%	740	0.0%	58.0	-0.9%	64,740	-0.7%	3,938	68,678	-0.9%
	2014	22,560	3.3%	1,953	0.4%	11,550	2.9%	43,628	1.7%	762	3.0%	57.2	-1.2%	66,188	2.2%	3,766	69,954	1.9%
2015	23,291	3.2%	1,997	2.3%	11,661	1.0%	44,007	0.9%	760	-0.3%	57.9	1.1%	67,298	1.7%	4,394	71,692	2.5%	
Projected	2016	23,265	-0.1%	2,008	0.6%	11,584	-0.7%	44,175	0.4%	754	-0.8%	58.6	1.2%	67,440	0.2%	4,079	71,519	-0.2%
	2017	22,916	-1.5%	2,005	-0.2%	11,429	-1.3%	44,481	0.7%	766	1.5%	58.1	-0.8%	67,397	-0.1%	4,150	71,547	0.0%
	2018	22,769	-0.6%	2,005	0.0%	11,358	-0.6%	44,508	0.1%	774	1.0%	57.5	-1.0%	67,277	-0.2%	4,141	71,418	-0.2%
	2019	22,781	0.0%	2,005	0.0%	11,364	0.1%	44,706	0.4%	781	1.0%	57.2	-0.5%	67,486	0.3%	4,155	71,641	0.3%
	2020	23,007	1.0%	2,005	0.0%	11,476	1.0%	44,948	0.5%	789	1.0%	57.0	-0.5%	67,955	0.7%	4,184	72,139	0.7%
	2021	23,316	1.3%	2,005	0.0%	11,630	1.3%	45,196	0.6%	797	1.0%	56.7	-0.5%	68,511	0.8%	4,218	72,730	0.8%
	2022	23,553	1.0%	2,005	0.0%	11,749	1.0%	45,427	0.5%	805	1.0%	56.4	-0.4%	68,980	0.7%	4,247	73,227	0.7%
	2023	23,680	0.5%	2,005	0.0%	11,812	0.5%	45,653	0.5%	812	0.9%	56.2	-0.4%	69,333	0.5%	4,268	73,601	0.5%
	2024	23,811	0.6%	2,005	0.0%	11,878	0.6%	45,886	0.5%	820	1.0%	56.0	-0.4%	69,697	0.5%	4,291	73,988	0.5%
	2025	23,961	0.6%	2,005	0.0%	11,952	0.6%	46,117	0.5%	828	0.9%	55.7	-0.4%	70,078	0.5%	4,314	74,392	0.5%
	2026	24,060	0.4%	2,005	0.0%	12,002	0.4%	46,352	0.5%	836	1.0%	55.5	-0.4%	70,412	0.5%	4,335	74,747	0.5%
	2027	24,137	0.3%	2,005	0.0%	12,040	0.3%	46,597	0.5%	844	1.0%	55.2	-0.4%	70,733	0.5%	4,355	75,088	0.5%
	2028	24,175	0.2%	2,005	0.0%	12,059	0.2%	46,850	0.5%	852	1.0%	55.0	-0.5%	71,025	0.4%	4,373	75,398	0.4%
	2029	24,197	0.1%	2,005	0.0%	12,070	0.1%	47,092	0.5%	861	1.0%	54.7	-0.4%	71,289	0.4%	4,389	75,678	0.4%
	2030	24,211	0.1%	2,005	0.0%	12,077	0.1%	47,325	0.5%	868	0.9%	54.5	-0.4%	71,536	0.3%	4,404	75,940	0.3%
	2031	24,131	-0.3%	2,005	0.0%	12,037	-0.3%	47,547	0.5%	876	0.9%	54.3	-0.4%	71,677	0.2%	4,413	76,090	0.2%
	2032	24,199	0.3%	2,005	0.0%	12,071	0.3%	47,766	0.5%	884	0.9%	54.0	-0.4%	71,965	0.4%	4,431	76,396	0.4%
	2033	24,282	0.3%	2,005	0.0%	12,113	0.3%	47,986	0.5%	892	0.9%	53.8	-0.4%	72,268	0.4%	4,449	76,717	0.4%
	2034	24,385	0.4%	2,005	0.0%	12,164	0.4%	48,201	0.4%	899	0.9%	53.6	-0.4%	72,586	0.4%	4,469	77,055	0.4%
	2035	24,465	0.3%	2,005	0.0%	12,204	0.3%	48,414	0.4%	907	0.8%	53.4	-0.4%	72,878	0.4%	4,487	77,365	0.4%
CAGR	2006-2015		-0.9%		-0.3%		-0.6%		0.1%		1.0%		-0.9%	-0.3%			-1.2%	
	2016-2025		0.3%		0.0%		0.3%		0.5%		1.0%		-0.6%	0.4%			0.4%	
	2026-2035		0.2%		0.0%		0.2%		0.5%		0.9%		-0.4%	0.4%			0.4%	

CAGR - Compound Average Growth Rate.

**FMPA 2016 Load Forecast**  
**Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside**  
*(Sources: Woods and Poole Economics, inc.; IHS Global Insight)*  
**Starke (Bradford County)**

Mid-range Economic Case	Total Population, (Ths.)		Total Households, (Ths.)		Employment: Total (Ths.)		Employment: Manufacturing, (Ths.)		Gross Domestic Product, (\$M \$2009)		Income: Total Personal, (Mil. \$2009)		Personal Income per Household (\$2009)	
Year	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg	Value	% Chg
1995	24.6	-	7.8	-	8.0	-	0.37	-	417	-	486	-	62,330	-
1996	25.1	2.0%	8.0	2.6%	8.3	2.7%	0.51	39.2%	433	3.9%	524	7.8%	65,507	5.1%
1997	25.6	2.0%	8.2	2.2%	8.6	3.6%	0.76	47.9%	436	0.6%	560	7.0%	68,608	4.7%
1998	25.9	1.4%	8.3	1.6%	9.2	7.4%	0.61	-19.1%	451	3.5%	607	8.3%	73,172	6.7%
1999	25.9	0.0%	8.4	1.8%	9.5	3.2%	0.66	7.4%	470	4.1%	580	-4.5%	68,641	-6.2%
2000	26.1	0.6%	8.6	1.3%	9.5	0.3%	0.80	21.8%	473	0.8%	606	4.5%	70,832	3.2%
2001	26.1	0.1%	8.6	0.7%	9.6	1.4%	0.70	-13.2%	475	0.4%	633	4.4%	73,454	3.7%
2002	26.3	0.9%	8.7	1.5%	9.6	-0.8%	0.65	-6.7%	459	-3.4%	641	1.4%	73,326	-0.2%
2003	27.1	2.8%	9.1	3.6%	10.0	4.7%	0.51	-22.2%	506	10.3%	671	4.7%	74,080	1.0%
2004	27.8	2.4%	9.3	2.9%	10.4	3.5%	0.52	3.6%	543	7.2%	715	6.6%	76,715	3.6%
2005	28.1	1.4%	9.5	1.6%	10.6	2.4%	0.51	-3.5%	545	0.5%	743	3.9%	78,419	2.2%
2006	28.5	1.4%	9.6	1.0%	11.1	4.7%	0.48	-5.0%	573	5.1%	768	3.4%	80,259	2.3%
2007	28.9	1.2%	9.6	0.6%	11.3	1.5%	0.45	-6.7%	590	3.0%	793	3.3%	82,395	2.7%
2008	28.9	0.3%	9.6	-0.3%	11.0	-2.2%	0.47	4.4%	579	-1.9%	804	1.4%	83,837	1.7%
2009	29.0	0.1%	9.5	-0.8%	10.8	-2.0%	0.40	-15.2%	554	-4.4%	814	1.2%	85,518	2.0%
2010	28.5	-1.5%	9.5	-0.5%	10.5	-3.2%	0.30	-24.7%	553	-0.2%	830	2.0%	87,695	2.5%
2011	28.5	-0.3%	9.4	-0.7%	10.5	0.3%	0.25	-18.0%	541	-2.2%	846	1.8%	89,915	2.5%
2012	27.1	-4.7%	8.9	-4.8%	10.1	-3.6%	0.26	7.1%	512	-5.3%	828	-2.1%	92,481	2.9%
2013	26.9	-0.8%	8.8	-1.6%	10.1	-0.5%	0.24	-8.5%	512	-0.1%	812	-1.9%	92,236	-0.3%
2014	26.7	-0.7%	8.7	-0.6%	10.3	1.9%	0.25	3.5%	494	-3.4%	821	1.1%	93,831	1.7%
2015	26.9	0.5%	8.8	1.0%	10.7	4.3%	0.26	2.8%	560	13.3%	852	3.8%	96,516	2.9%
2016	27.1	0.9%	9.0	1.4%	11.0	2.7%	0.29	14.4%	595	6.4%	880	3.3%	98,285	1.8%
2017	27.4	1.0%	9.1	1.5%	11.1	1.3%	0.29	-0.3%	614	3.1%	902	2.5%	99,296	1.0%
2018	27.7	1.1%	9.2	1.4%	11.3	1.2%	0.29	-0.3%	632	2.9%	925	2.5%	100,334	1.0%
2019	28.0	1.2%	9.4	1.5%	11.4	1.1%	0.29	-0.8%	649	2.7%	950	2.7%	101,538	1.2%
2020	28.3	1.3%	9.5	1.6%	11.5	1.1%	0.29	-0.6%	665	2.5%	977	2.8%	102,711	1.2%
2021	28.7	1.4%	9.7	1.7%	11.7	1.2%	0.28	-0.8%	681	2.4%	1,003	2.7%	103,648	0.9%
2022	29.1	1.4%	9.8	1.7%	11.8	1.2%	0.28	-0.9%	698	2.5%	1,028	2.5%	104,516	0.8%
2023	29.6	1.4%	10.0	1.7%	12.0	1.3%	0.28	-0.9%	718	2.8%	1,055	2.6%	105,462	0.9%
2024	30.0	1.4%	10.2	1.7%	12.1	1.3%	0.28	-1.0%	736	2.5%	1,082	2.6%	106,394	0.9%
2025	30.4	1.4%	10.3	1.6%	12.3	1.3%	0.27	-1.4%	754	2.5%	1,110	2.5%	107,343	0.9%
2026	30.8	1.4%	10.5	1.6%	12.4	1.3%	0.27	-1.4%	774	2.7%	1,139	2.7%	108,481	1.1%
2027	31.2	1.4%	10.7	1.6%	12.6	1.4%	0.27	-1.5%	795	2.7%	1,171	2.8%	109,724	1.1%
2028	31.7	1.4%	10.8	1.5%	12.8	1.4%	0.26	-1.5%	816	2.6%	1,202	2.6%	110,923	1.1%
2029	32.1	1.4%	11.0	1.5%	13.0	1.4%	0.26	-1.4%	837	2.6%	1,233	2.6%	112,089	1.1%
2030	32.5	1.3%	11.2	1.4%	13.1	1.4%	0.25	-1.4%	859	2.5%	1,263	2.5%	113,228	1.0%
2031	32.9	1.2%	11.3	1.3%	13.3	1.4%	0.25	-1.5%	881	2.6%	1,293	2.4%	114,420	1.1%
2032	33.3	1.2%	11.4	1.2%	13.5	1.4%	0.25	-1.4%	904	2.6%	1,324	2.4%	115,721	1.1%
2033	33.7	1.1%	11.6	1.2%	13.7	1.3%	0.24	-1.5%	925	2.4%	1,355	2.3%	117,008	1.1%
2034	34.1	1.1%	11.7	1.2%	13.8	1.2%	0.24	-1.5%	946	2.2%	1,386	2.3%	118,249	1.1%
2035	34.5	1.1%	11.9	1.3%	14.0	1.2%	0.24	-1.6%	967	2.3%	1,418	2.3%	119,507	1.1%
Average Percent Change														
2005-2015		-0.5%		-0.7%		0.1%		-6.6%		0.3%		1.4%		2.1%
2016-2025		1.3%		1.6%		1.2%		-0.8%		2.7%		2.6%		1.0%
2026-2035		1.3%		1.4%		1.3%		-1.5%		2.5%		2.5%		1.1%





## Appendix E

### HIGH/LOW ECONOMIC SCENARIOS

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FMPA 2016 Load Forecast - High Economic Case  
**Total Agency - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	7,203,740	-	7,156,396	-	-0.7%	1,401.3	-	1,319.2	-	-5.9%	1,477.7	-	1,535.6		3.9%
	2007	7,209,394	0.1%	7,187,165	0.4%	-0.3%	1,202.3	-14.2%	1,294.3	-1.9%	7.7%	1,521.2	2.9%	1,506.5	-1.9%	-1.0%
	2008	7,091,611	-1.6%	7,066,648	-1.7%	-0.4%	1,330.2	10.6%	1,326.6	2.5%	-0.3%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,815,289	-3.6%	-0.5%	1,418.5	6.6%	1,305.0	-1.6%	-8.0%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,166,608	-9.5%	-4.7%	1,412.0	-0.5%	1,188.1	-9.0%	-15.9%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,915,358	-4.1%	-3.8%	1,258.3	-10.9%	1,237.6	4.2%	-1.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,937,619	0.4%	0.4%	1,096.7	-12.8%	1,089.3	-12.0%	-0.7%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,930,152	-0.1%	0.3%	1,009.9	-7.9%	1,029.5	-5.5%	1.9%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,149	-4.6%	-1.4%	996.9	-1.3%	1,113.4	8.1%	11.7%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,634,802	-0.4%	-2.5%	1,128.5	13.2%	1,050.8	-5.6%	-6.9%	1,194.4	0.8%	1,250.8	4.9%	4.7%
Projected	2016	5,809,561	0.6%	5,809,561	3.1%		1,078.0	-4.5%	1,078.0	2.6%		1,215.4	1.8%	1,215.4	-2.8%	
	2017			5,966,190	2.7%				1,105.6	2.6%				1,246.7	2.6%	
	2018			6,097,051	2.2%				1,130.2	2.2%				1,274.2	2.2%	
	2019			6,222,643	2.1%				1,153.7	2.1%				1,300.5	2.1%	
	2020			6,337,496	1.8%				1,175.8	1.9%				1,324.9	1.9%	
	2021			6,447,378	1.7%				1,196.7	1.8%				1,348.9	1.8%	
	2022			6,560,758	1.8%				1,217.7	1.8%				1,372.8	1.8%	
	2023			6,668,827	1.6%				1,237.8	1.7%				1,395.7	1.7%	
	2024			6,778,826	1.6%				1,258.4	1.7%				1,419.1	1.7%	
	2025			6,878,116	1.5%				1,276.9	1.5%				1,440.3	1.5%	
	2026			6,981,054	1.5%				1,296.2	1.5%				1,462.3	1.5%	
	2027			7,083,220	1.5%				1,315.2	1.5%				1,484.0	1.5%	
	2028			7,188,755	1.5%				1,335.0	1.5%				1,506.5	1.5%	
	2029			7,282,514	1.3%				1,352.5	1.3%				1,526.5	1.3%	
	2030			7,378,874	1.3%				1,370.5	1.3%				1,546.9	1.3%	
	2031			7,471,132	1.3%				1,387.8	1.3%				1,566.5	1.3%	
	2032			7,568,987	1.3%				1,406.4	1.3%				1,587.7	1.3%	
	2033			7,657,904	1.2%				1,423.3	1.2%				1,606.8	1.2%	
	2034			7,752,299	1.2%				1,441.2	1.3%				1,627.0	1.3%	
	2035			7,846,567	1.2%				1,459.0	1.2%				1,647.3	1.2%	
CAGR <sup>[3]</sup>	2006-2015		-2.4%		-2.6%			-2.4%		-2.5%			-2.3%		-2.3%	
	2016-2025				1.9%					1.9%					1.9%	
	2026-2035				1.3%					1.3%					1.3%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.87 MW beginning Jan-20

**FMPA 2016 Load Forecast - High Economic Case**

**Total Agency - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										597,704	497,864	525,727	1,621,295	0
	2006	523,642	491,437	514,859	560,031	636,340	683,902	737,848	759,636	674,751	603,361	502,247	522,974	7,211,027	7,203,740
	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,907	7,245,590	7,209,394
	2008	529,762	492,675	514,392	530,459	640,853	675,912	686,935	695,491	660,355	566,772	477,857	494,091	6,965,553	7,091,611
	2009	528,264	473,740	494,601	506,423	600,300	673,873	686,248	700,872	644,244	610,589	471,274	503,282	6,893,710	6,847,285
	2010	535,543	445,540	426,447	423,972	563,025	623,703	645,916	637,838	581,933	481,779	408,321	524,963	6,298,980	6,469,062
	2011	461,335	393,793	424,620	488,193	537,767	588,106	623,766	644,115	570,519	460,766	410,067	418,993	6,022,040	6,147,277
	2012	438,988	405,060	451,583	458,392	543,656	545,599	623,149	603,756	554,351	504,602	398,605	435,593	5,963,334	5,914,360
	2013	428,865	400,438	432,242	463,445	507,457	573,259	581,975	626,296	562,210	516,187	427,182	440,420	5,959,977	5,914,988
	2014	458,798	376,082	396,665	423,785	497,285	521,770	571,164	591,892	512,362	461,946	387,082	412,653	5,611,484	5,733,592
	2015	423,859	391,814	433,884	469,172	526,875	564,009	585,493	583,880	536,385	475,654	399,814	438,665	5,829,503	5,777,052
Projected	2016	448,476	394,995	415,313	437,380	498,859	554,022	598,243	607,734	540,406	486,006	413,920	452,708	5,848,062	5,809,561
	2017	462,110	403,667	428,225	449,392	512,946	568,459	613,015	622,866	552,877	497,281	423,400	462,888	5,997,126	5,966,190
	2018	472,317	412,531	437,449	459,048	524,059	580,590	626,221	636,433	564,835	507,963	432,430	472,699	6,126,572	6,097,051
	2019	482,239	421,095	446,425	468,358	534,738	592,358	638,884	649,294	576,160	518,068	440,941	482,018	6,250,579	6,222,643
	2020	490,698	432,800	453,806	476,143	543,846	602,594	649,976	660,587	586,019	526,772	448,085	489,938	6,361,263	6,337,496
	2021	499,844	436,319	462,218	484,861	553,931	613,770	662,037	672,828	596,776	536,369	456,097	498,703	6,473,754	6,447,378
	2022	508,767	444,022	470,330	493,248	563,625	624,483	673,575	684,514	607,024	545,499	463,709	507,018	6,585,815	6,560,758
	2023	517,222	451,334	478,052	501,240	572,875	634,710	684,599	695,706	616,863	554,290	471,068	515,086	6,693,045	6,668,827
	2024	525,431	463,280	485,558	509,016	581,887	644,688	695,367	706,656	626,501	562,912	478,289	523,018	6,802,603	6,778,826
	2025	533,518	465,461	493,013	516,741	590,848	654,614	706,080	717,544	636,077	571,470	485,444	530,860	6,901,670	6,878,116
Projected	2026	541,515	472,394	500,346	524,349	599,688	664,413	716,669	728,327	645,580	579,985	492,581	538,701	7,004,546	6,981,054
	2027	549,492	479,304	507,657	531,922	608,462	674,118	727,126	738,950	654,922	588,335	499,572	546,366	7,106,226	7,083,220
	2028	557,297	491,305	514,818	539,350	617,074	683,659	737,422	749,421	664,137	596,577	506,475	553,940	7,211,475	7,188,755
	2029	565,000	492,745	521,909	546,690	625,581	693,076	747,574	759,737	673,208	604,681	513,262	561,385	7,304,849	7,282,514
	2030	572,573	499,289	528,810	553,824	633,842	702,202	757,390	769,688	681,930	612,448	519,749	568,484	7,400,227	7,378,874
	2031	579,774	505,514	535,400	560,644	641,745	710,944	766,806	779,265	690,359	619,991	526,096	575,473	7,492,012	7,471,132
	2032	586,895	517,299	541,963	567,467	649,693	719,771	776,356	789,015	698,966	627,716	532,598	582,639	7,590,378	7,568,987
	2033	594,204	518,048	548,721	574,472	657,856	728,821	786,136	798,970	707,724	635,541	539,148	589,828	7,679,468	7,657,904
	2034	601,541	524,401	555,436	581,428	665,964	737,817	795,865	808,881	716,448	643,344	545,682	597,010	7,773,819	7,752,299
	2035	608,876	530,755	562,155	588,383	674,071	746,807	805,579	818,765	725,138	644,693	546,247	597,758	7,849,229	7,846,567

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.1%	7.8%	8.8%	9.5%	10.2%	10.5%	9.4%	8.4%	7.0%	7.3%	100.0%
	2007	7.4%	6.8%	7.2%	7.3%	8.4%	9.3%	10.2%	10.9%	9.4%	8.0%	6.8%	7.2%	100.0%
	2008	7.6%	7.1%	7.4%	7.6%	9.2%	9.7%	9.9%	10.0%	9.5%	8.1%	6.9%	7.1%	100.0%
	2009	7.7%	6.9%	7.2%	7.3%	8.7%	9.8%	10.0%	10.2%	9.3%	8.9%	6.8%	7.3%	100.0%
	2010	8.5%	7.1%	6.8%	6.7%	8.9%	9.9%	10.3%	10.1%	9.2%	7.6%	6.5%	8.3%	100.0%
	2011	7.7%	6.5%	7.1%	8.1%	8.9%	9.8%	10.4%	10.7%	9.5%	7.7%	6.8%	7.0%	100.0%
	2012	7.4%	6.8%	7.6%	7.7%	9.1%	9.1%	10.4%	10.1%	9.3%	8.5%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.3%	7.8%	8.5%	9.6%	9.8%	10.5%	9.4%	8.7%	7.2%	7.4%	100.0%
	2014	8.2%	6.7%	7.1%	7.6%	8.9%	9.3%	10.2%	10.5%	9.1%	8.2%	6.9%	7.4%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	9.0%	9.7%	10.0%	10.0%	9.2%	8.2%	6.9%	7.5%	100.0%
Projected	2016	7.7%	6.8%	7.1%	7.5%	8.5%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.7%	100.0%
	2017	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.7%	100.0%
	2018	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.7%	100.0%
	2019	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.7%	100.0%
	2020	7.7%	6.8%	7.1%	7.5%	8.5%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2021	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2022	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2023	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2024	7.7%	6.8%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2025	7.7%	6.7%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.9%	9.6%	10.1%	10.4%	9.3%	8.3%	6.8%	7.4%	100.0%
	2016-2025	7.7%	6.8%	7.1%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - High Economic Case**

**Total Agency - Supplied**

**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										1,327.6	1,036.5	1,086.2	0.0	0.0
	2006	1,175.3	1,421.0	1,072.5	1,285.4	1,358.6	1,425.0	1,477.0	1,505.3	1,408.3	1,307.7	1,084.7	1,081.7	1,421.0	1,505.3
	2007	1,223.5	1,315.1	1,117.2	1,245.1	1,262.8	1,416.5	1,498.9	1,546.9	1,443.1	1,348.5	1,067.5	1,072.9	1,315.1	1,546.9
	2008	1,353.3	1,137.6	1,063.8	1,124.1	1,329.8	1,443.8	1,431.4	1,474.9	1,377.9	1,206.7	1,107.4	1,079.2	1,353.3	1,474.9
	2009	1,422.6	1,462.1	1,116.5	1,090.0	1,291.3	1,495.8	1,410.4	1,417.7	1,329.3	1,350.2	1,067.5	1,063.0	1,462.1	1,495.8
	2010	1,426.5	1,090.8	1,020.7	884.5	1,146.9	1,304.9	1,290.8	1,290.7	1,235.1	1,078.0	913.8	1,293.0	1,426.5	1,304.9
	2011	1,186.7	959.1	878.6	1,100.6	1,154.6	1,267.6	1,263.5	1,300.2	1,185.3	1,007.2	881.6	829.5	1,293.0	1,300.2
	2012	1,119.9	1,086.3	905.9	1,036.2	1,147.8	1,221.4	1,250.8	1,236.0	1,189.0	1,114.0	846.1	913.6	1,119.9	1,250.8
	2013	886.9	1,072.3	1,069.8	1,006.7	1,099.7	1,228.1	1,212.8	1,258.0	1,208.7	1,107.3	953.6	903.5	1,072.3	1,258.0
	2014	1,071.5	922.0	817.8	1,005.3	1,075.0	1,134.0	1,176.1	1,216.5	1,157.3	1,034.7	961.8	879.0	1,071.5	1,216.5
	2015	927.9	1,149.5	907.0	1,016.2	1,131.0	1,229.4	1,199.5	1,215.3	1,170.4	1,047.4	859.4	881.9	1,149.5	1,229.4
	2016	1,135.6	1,088.5	894.8	964.1	1,109.7	1,207.8	1,216.0	1,245.6	1,164.4	1,056.8	875.5	904.4	1,135.6	1,245.6
	2017	1,164.5	1,116.2	917.6	988.7	1,138.2	1,238.8	1,247.1	1,277.6	1,194.3	1,083.9	895.6	924.1	1,164.5	1,277.6
	2018	1,190.2	1,140.5	937.5	1,010.2	1,163.0	1,266.0	1,274.4	1,305.6	1,220.4	1,107.6	913.7	942.8	1,190.2	1,305.6
Projected	2019	1,214.6	1,163.8	956.5	1,030.8	1,186.8	1,292.0	1,300.5	1,332.4	1,245.5	1,130.3	932.1	961.6	1,214.6	1,332.4
	2020	1,237.7	1,184.4	973.5	1,049.7	1,208.8	1,316.1	1,324.7	1,357.4	1,268.7	1,151.2	946.9	976.7	1,237.7	1,357.4
	2021	1,259.5	1,205.1	990.6	1,068.5	1,230.5	1,339.7	1,348.4	1,381.8	1,291.4	1,171.9	963.4	993.3	1,259.5	1,381.8
	2022	1,281.3	1,225.6	1,007.6	1,087.3	1,252.1	1,363.2	1,372.1	1,406.1	1,314.2	1,192.6	979.1	1,009.2	1,281.3	1,406.1
	2023	1,302.3	1,245.3	1,024.0	1,105.2	1,272.8	1,385.7	1,394.8	1,429.4	1,335.9	1,212.3	995.1	1,025.4	1,302.3	1,429.4
	2024	1,323.7	1,265.4	1,040.6	1,123.5	1,294.0	1,408.8	1,417.9	1,453.2	1,358.2	1,232.5	1,009.5	1,040.0	1,323.7	1,453.2
	2025	1,342.9	1,283.6	1,055.7	1,140.1	1,313.1	1,429.6	1,438.9	1,474.7	1,378.3	1,250.8	1,024.6	1,055.3	1,342.9	1,474.7
	2026	1,363.0	1,302.4	1,071.3	1,157.4	1,332.9	1,451.2	1,460.6	1,497.1	1,399.2	1,269.8	1,039.3	1,070.4	1,363.0	1,497.1
	2027	1,382.8	1,321.0	1,086.8	1,174.4	1,352.6	1,472.6	1,482.1	1,519.2	1,419.8	1,288.6	1,054.7	1,086.0	1,382.8	1,519.2
	2028	1,403.4	1,340.3	1,102.8	1,192.0	1,372.9	1,494.8	1,504.3	1,542.1	1,441.2	1,308.0	1,068.3	1,099.8	1,403.4	1,542.1
Projected	2029	1,421.6	1,357.5	1,117.1	1,207.6	1,390.9	1,514.4	1,524.1	1,562.4	1,460.2	1,325.2	1,082.4	1,114.0	1,421.6	1,562.4
	2030	1,440.3	1,375.1	1,131.6	1,223.6	1,409.3	1,534.5	1,544.2	1,583.2	1,479.6	1,342.8	1,095.8	1,127.6	1,440.3	1,583.2
	2031	1,458.3	1,392.0	1,145.5	1,239.0	1,427.1	1,553.9	1,563.7	1,603.2	1,498.3	1,359.8	1,110.2	1,142.3	1,458.3	1,603.2
	2032	1,477.6	1,410.1	1,160.5	1,255.5	1,446.1	1,574.6	1,584.5	1,624.6	1,518.3	1,378.0	1,123.2	1,155.5	1,477.6	1,624.6
	2033	1,495.1	1,426.6	1,174.1	1,270.4	1,463.4	1,593.5	1,603.4	1,644.1	1,536.5	1,394.5	1,137.0	1,169.5	1,495.1	1,644.1
	2034	1,513.6	1,444.1	1,188.5	1,286.2	1,481.7	1,613.4	1,623.5	1,664.7	1,555.7	1,411.9	1,150.8	1,183.5	1,513.6	1,664.7
	2035	1,532.1	1,461.4	1,202.8	1,302.0	1,499.9	1,633.3	1,643.4	1,685.2	1,574.9	1,414.3	1,153.2	1,184.4	1,532.1	1,685.2

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.5%	64.6%	67.2%		
	2006	59.9%	51.5%	64.5%	58.6%	69.7%	64.5%	69.4%	67.8%	66.5%	62.0%	62.2%	67.1%	57.9%	54.7%
	2007	58.9%	55.5%	63.1%	57.4%	72.1%	63.7%	68.3%	68.9%	65.9%	65.0%	62.0%	67.3%	62.9%	53.5%
	2008	52.6%	62.2%	65.0%	63.4%	71.7%	62.9%	66.7%	63.4%	66.6%	63.1%	58.0%	63.6%	58.8%	53.9%
	2009	49.9%	48.2%	59.5%	62.4%	69.2%	60.6%	67.6%	66.4%	67.3%	60.8%	59.3%	65.8%	53.8%	52.6%
	2010	50.5%	60.8%	56.2%	64.4%	73.0%	64.2%	69.5%	66.4%	65.4%	60.1%	60.1%	56.4%	50.4%	55.1%
	2011	52.3%	61.1%	65.0%	59.6%	69.3%	62.4%	68.6%	66.6%	66.8%	61.5%	62.5%	70.2%	53.2%	52.9%
	2012	52.7%	53.6%	67.0%	59.5%	70.5%	60.0%	69.2%	65.7%	64.8%	60.9%	63.3%	66.2%	60.8%	54.4%
	2013	65.0%	55.6%	54.3%	61.9%	68.7%	62.7%	66.6%	66.9%	64.6%	62.7%	60.2%	67.7%	63.4%	54.1%
	2014	57.6%	60.7%	65.2%	56.7%	68.8%	61.8%	67.4%	65.4%	61.5%	60.0%	54.1%	65.2%	59.8%	52.7%
	2015	61.4%	50.7%	64.3%	62.1%	69.3%	61.7%	67.8%	64.6%	63.7%	61.0%	62.5%	69.1%	57.9%	54.1%
	2016	53.1%	52.1%	62.4%	61.0%	66.9%	61.7%	68.3%	65.6%	64.5%	61.8%	63.5%	69.5%	58.8%	53.6%
	2017	53.3%	53.8%	62.7%	61.1%	67.1%	61.7%	68.3%	65.5%	64.3%	61.7%	63.5%	69.6%	58.8%	53.6%
	2018	53.3%	53.8%	62.7%	61.1%	67.1%	61.6%	68.2%	65.5%	64.3%	61.6%	63.6%	69.6%	58.8%	53.6%
Projected	2019	53.4%	53.8%	62.7%	61.1%	67.0%	61.6%	68.2%	65.5%	64.3%	61.6%	63.6%	69.6%	58.7%	53.6%
	2020	53.3%	52.5%	62.7%	61.0%	66.9%	61.5%	68.1%	65.4%	64.2%	61.5%	63.6%	69.7%	58.7%	53.5%
	2021	53.3%	53.9%	62.7%	61.0%	67.0%	61.6%	68.2%	65.4%	64.2%	61.5%	63.6%	69.7%	58.7%	53.5%
	2022	53.4%	53.9%	62.7%	61.0%	67.0%	61.6%	68.2%	65.4%	64.2%	61.5%	63.7%	69.8%	58.7%	53.5%
	2023	53.4%	53.9%	62.8%	61.0%	67.0%	61.6%	68.2%	65.4%	64.1%	61.5%	63.6%	69.8%	58.7%	53.5%
	2024	53.4%	52.6%	62.7%	60.9%	66.9%	61.5%	68.1%	65.4%	64.1%	61.4%	63.7%	69.8%	58.7%	53.4%
	2025	53.4%	54.0%	62.8%	60.9%	67.0%	61.5%	68.2%	65.4%	64.1%	61.4%	63.7%	69.9%	58.7%	53.4%
	2026	53.4%	54.0%	62.8%	60.9%	67.0%	61.5%	68.2%	65.4%	64.1%	61.4%	63.7%	69.9%	58.7%	53.4%
Avg.	2006-2015	56.1%	56.0%	62.4%	60.6%	70.2%	62.5%	68.1%	66.2%	65.3%	61.7%	60.4%	65.9%	57.9%	53.8%
	2016-2025	53.3%	53.4%	62.7%	61.0%	67.0%	61.6%	68.2%	65.5%	64.2%	61.5%	63.6%	69.7%	58.7%	53.5%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - High Economic Case**

**Total Agency - Supplied**

**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,070.1	1,401.3	1,020.5	1,231.8	1,286.3	1,396.7	1,447.4	1,477.7	1,341.8	1,266.6	998.3	962.0	1,401.3	1,477.7
	2007	1,164.9	1,202.3	996.2	1,127.3	1,245.0	1,365.4	1,465.0	1,521.2	1,415.8	1,295.5	1,026.4	958.1	1,202.3	1,521.2
	2008	1,330.2	1,051.7	1,012.3	1,078.2	1,285.9	1,405.8	1,405.4	1,450.1	1,318.5	1,147.4	1,008.6	1,021.9	1,330.2	1,450.1
	2009	1,406.3	1,418.5	1,059.2	1,030.3	1,270.9	1,481.7	1,350.6	1,380.7	1,292.9	1,324.9	952.9	974.0	1,418.5	1,481.7
	2010	1,412.0	1,053.7	999.7	839.7	1,087.3	1,272.1	1,255.1	1,263.0	1,170.9	1,048.7	844.1	1,258.3	1,412.0	1,272.1
	2011	1,168.7	900.6	807.1	1,067.7	1,112.3	1,239.2	1,214.4	1,258.2	1,124.9	990.4	852.3	750.1	1,258.3	1,258.2
	2012	1,096.7	1,038.9	871.7	993.3	1,091.1	1,146.8	1,203.3	1,188.3	1,143.4	1,087.3	747.0	830.0	1,096.7	1,203.3
	2013	772.0	1,003.2	1,009.9	958.2	1,073.6	1,176.8	1,156.6	1,222.0	1,164.9	1,067.9	906.6	820.2	1,009.9	1,222.0
	2014	996.9	847.6	703.0	998.1	1,051.7	1,106.0	1,125.7	1,185.1	1,092.9	1,015.0	827.7	795.4	996.9	1,185.1
	2015	850.7	1,128.5	856.5	953.8	1,102.4	1,194.4	1,144.2	1,172.3	1,136.9	1,022.3	786.1	818.3	1,128.5	1,194.4
Projected	2016	1,078.0	1,039.5	830.5	930.3	1,078.2	1,175.8	1,171.2	1,215.4	1,124.9	1,031.4	801.0	839.2	1,078.0	1,215.4
	2017	1,105.6	1,066.0	851.7	954.2	1,105.8	1,206.0	1,201.2	1,246.7	1,153.8	1,057.9	819.5	857.6	1,105.6	1,246.7
	2018	1,130.2	1,089.6	870.3	975.0	1,130.0	1,232.6	1,227.6	1,274.2	1,179.1	1,081.1	836.2	875.2	1,130.2	1,274.2
	2019	1,153.7	1,112.2	888.0	994.9	1,153.2	1,258.0	1,252.8	1,300.5	1,203.4	1,103.3	853.1	892.8	1,153.7	1,300.5
	2020	1,175.8	1,132.4	903.9	1,013.2	1,174.6	1,281.5	1,276.2	1,324.9	1,225.9	1,123.8	866.7	906.9	1,175.8	1,324.9
	2021	1,196.7	1,152.5	919.9	1,031.4	1,195.7	1,304.7	1,299.2	1,348.9	1,248.0	1,144.0	881.9	922.5	1,196.7	1,348.9
	2022	1,217.7	1,172.5	935.9	1,049.6	1,216.7	1,327.7	1,322.1	1,372.8	1,270.0	1,164.2	896.5	937.4	1,217.7	1,372.8
	2023	1,237.8	1,191.6	951.3	1,067.0	1,236.9	1,349.8	1,344.0	1,395.7	1,291.1	1,183.6	911.4	952.7	1,237.8	1,395.7
	2024	1,258.4	1,211.1	966.9	1,084.9	1,257.5	1,372.4	1,366.5	1,419.1	1,312.8	1,203.4	924.7	966.5	1,258.4	1,419.1
	2025	1,276.9	1,228.8	981.1	1,101.0	1,276.2	1,392.9	1,386.8	1,440.3	1,332.3	1,221.3	938.6	980.8	1,276.9	1,440.3
Projected	2026	1,296.2	1,247.2	995.8	1,117.7	1,295.6	1,414.1	1,407.8	1,462.3	1,352.6	1,239.9	952.3	995.0	1,296.2	1,462.3
	2027	1,315.2	1,265.3	1,010.3	1,134.2	1,314.7	1,435.1	1,428.6	1,484.0	1,372.6	1,258.2	966.5	1,009.7	1,315.2	1,484.0
	2028	1,335.0	1,284.0	1,025.3	1,151.4	1,334.5	1,456.8	1,450.1	1,506.5	1,393.4	1,277.3	979.1	1,022.6	1,335.0	1,506.5
	2029	1,352.5	1,300.8	1,038.7	1,166.5	1,352.1	1,476.1	1,469.3	1,526.5	1,411.8	1,294.1	992.1	1,036.0	1,352.5	1,526.5
	2030	1,370.5	1,317.9	1,052.3	1,182.0	1,370.1	1,495.8	1,488.8	1,546.9	1,430.6	1,311.4	1,004.5	1,048.9	1,370.5	1,546.9
	2031	1,387.8	1,334.4	1,065.5	1,197.0	1,387.4	1,514.8	1,507.7	1,566.5	1,448.7	1,328.0	1,017.9	1,062.7	1,387.8	1,566.5
	2032	1,406.4	1,352.1	1,079.6	1,213.0	1,405.9	1,535.1	1,527.9	1,587.7	1,468.2	1,345.8	1,029.9	1,075.1	1,406.4	1,587.7
	2033	1,423.3	1,368.2	1,092.3	1,227.5	1,422.7	1,553.6	1,546.2	1,606.8	1,485.8	1,361.9	1,042.7	1,088.4	1,423.3	1,606.8
	2034	1,441.2	1,385.2	1,105.9	1,242.8	1,440.6	1,573.1	1,565.6	1,627.0	1,504.5	1,379.0	1,055.4	1,101.5	1,441.2	1,627.0
	2035	1,459.0	1,402.2	1,119.3	1,258.2	1,458.3	1,592.6	1,585.0	1,647.3	1,523.1	1,381.3	1,058.0	1,103.0	1,459.0	1,647.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.7%	97.6%	93.1%		
	2006	91.0%	98.6%	95.1%	95.8%	94.7%	98.0%	98.0%	98.2%	95.3%	96.9%	92.0%	88.9%	98.6%	98.2%
	2007	95.2%	91.4%	89.2%	90.5%	98.6%	96.4%	97.7%	98.3%	98.1%	96.1%	96.1%	89.3%	91.4%	98.3%
	2008	98.3%	92.4%	95.2%	95.9%	96.7%	97.4%	98.2%	98.3%	95.7%	95.1%	91.1%	94.7%	98.3%	98.3%
	2009	98.9%	97.0%	94.9%	94.5%	98.4%	99.1%	95.8%	97.4%	97.3%	98.1%	89.3%	91.6%	97.0%	99.1%
	2010	99.0%	96.6%	97.9%	94.9%	94.8%	97.5%	97.2%	97.8%	94.8%	97.3%	92.4%	97.3%	99.0%	97.5%
	2011	98.5%	93.9%	91.9%	97.0%	96.3%	97.8%	96.1%	96.8%	94.9%	98.3%	96.7%	90.4%	97.3%	96.8%
	2012	97.9%	95.6%	96.2%	95.9%	95.1%	93.9%	96.2%	96.1%	96.2%	97.6%	88.3%	90.8%	97.9%	96.2%
	2013	87.0%	93.6%	94.4%	95.2%	97.6%	95.8%	95.4%	97.1%	96.4%	96.4%	95.1%	90.8%	94.2%	97.1%
	2014	93.0%	91.9%	86.0%	99.3%	97.8%	97.5%	95.7%	97.4%	94.4%	98.1%	86.1%	90.5%	93.0%	97.4%
	2015	91.7%	98.2%	94.4%	93.9%	97.5%	97.2%	95.4%	96.5%	97.1%	97.6%	91.5%	92.8%	98.2%	97.2%
Projected	2016	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2017	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2018	95.0%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2019	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2020	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2021	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2022	95.0%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2023	95.0%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2024	95.1%	95.7%	92.9%	96.6%	97.2%	97.4%	96.4%	97.7%	96.7%	97.6%	91.6%	92.9%	95.1%	97.7%
	2025	95.1%	95.7%	92.9%	96.6%	97.2%	97.4%	96.4%	97.7%	96.7%	97.6%	91.6%	92.9%	95.1%	97.7%
	2006-2015	95.1%	94.9%	93.5%	95.3%	96.8%	97.0%	96.6%	97.4%	96.0%	97.2%	91.8%	91.7%	96.5%	97.6%
	2016-2025	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - High Economic Case  
**FP&L Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	3,703,464	-	3,680,394	-	-0.6%	707.5	-	637.1	-	-9.9%	730.4	-	749.7		2.6%
	2007	3,720,003	0.4%	3,683,027	0.1%	-1.0%	588.1	-16.9%	643.2	1.0%	9.4%	750.9	2.8%	746.3	-0.4%	-0.6%
	2008	3,682,412	-1.0%	3,638,648	-1.2%	-1.2%	670.8	14.1%	686.5	6.7%	2.3%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,497,283	-3.9%	-0.6%	709.9	5.8%	645.6	-6.0%	-9.1%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,913,810	-16.7%	-4.3%	631.0	-11.1%	513.0	-20.5%	-18.7%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,705,162	-7.2%	-3.6%	544.4	-13.7%	543.7	6.0%	-0.1%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,722,708	0.6%	0.5%	469.7	-13.7%	479.3	-11.8%	2.1%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,707,919	-0.5%	0.5%	425.0	-9.5%	444.9	-7.2%	4.7%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,104	-11.6%	-1.7%	384.4	-9.5%	431.1	-3.1%	12.1%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,321,378	-3.1%	-1.9%	456.4	18.7%	405.2	-6.0%	-11.2%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,394,678	1.2%	2,394,678	3.2%		405.9	-11.1%	405.9	0.2%		463.4	4.3%	463.4	-0.7%	
	2017			2,449,809	2.3%				414.5	2.1%				473.2	2.1%	
	2018			2,488,286	1.6%				421.3	1.6%				480.6	1.6%	
	2019			2,525,529	1.5%				427.9	1.6%				487.8	1.5%	
	2020			2,549,420	0.9%				432.5	1.1%				492.2	0.9%	
	2021			2,575,514	1.0%				437.4	1.1%				497.8	1.1%	
	2022			2,602,780	1.1%				442.0	1.1%				503.0	1.0%	
	2023			2,627,815	1.0%				446.4	1.0%				507.8	1.0%	
	2024			2,651,902	0.9%				450.6	0.9%				512.4	0.9%	
	2025			2,674,854	0.9%				454.5	0.9%				516.8	0.9%	
	2026			2,697,540	0.8%				458.5	0.9%				521.2	0.8%	
	2027			2,720,320	0.8%				462.5	0.9%				525.7	0.8%	
	2028			2,743,213	0.8%				466.4	0.9%				530.1	0.8%	
	2029			2,765,203	0.8%				470.2	0.8%				534.3	0.8%	
	2030			2,786,300	0.8%				473.9	0.8%				538.4	0.8%	
	2031			2,806,126	0.7%				477.5	0.8%				542.2	0.7%	
	2032			2,826,246	0.7%				481.2	0.8%				546.2	0.7%	
	2033			2,846,057	0.7%				484.8	0.7%				550.1	0.7%	
	2034			2,865,879	0.7%				488.5	0.8%				554.0	0.7%	
	2035			2,885,420	0.7%				492.1	0.7%				557.8	0.7%	
CAGR <sup>[3]</sup>	2006-2015		-4.9%		-5.0%			-4.8%		-4.9%			-5.4%		-5.1%	
	2016-2025				1.2%					1.3%					1.2%	
	2026-2035				0.8%					0.8%					0.8%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.87 MW beginning Jan-20

**FMPA 2016 Load Forecast - High Economic Case**

**FP&L Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										309,339	262,335	268,296	839,971	0
	2006	267,425	249,766	266,501	289,289	325,785	353,245	378,834	385,156	347,493	315,940	261,151	270,907	3,711,492	3,703,464
	2007	279,391	249,892	271,428	275,189	315,689	343,085	378,864	404,181	354,285	344,599	256,791	270,984	3,744,378	3,720,003
	2008	272,016	258,524	270,108	275,057	331,465	349,761	353,078	359,363	340,667	296,956	245,657	251,982	3,604,633	3,682,412
	2009	266,814	239,310	254,063	262,868	309,211	340,526	354,152	362,606	332,572	318,362	249,900	260,088	3,550,472	3,516,717
	2010	239,936	196,901	193,987	193,429	255,495	285,396	294,077	290,396	266,902	222,076	188,245	229,044	2,855,884	3,044,869
	2011	209,012	180,449	196,232	225,664	249,124	267,493	286,323	292,471	259,771	216,575	192,071	192,271	2,767,453	2,805,902
	2012	197,794	187,479	206,843	206,993	244,678	252,612	284,965	274,837	252,594	233,692	181,737	197,699	2,721,923	2,709,712
	2013	196,118	182,394	194,421	211,947	230,928	261,547	266,045	283,574	253,653	238,380	200,557	202,386	2,721,950	2,693,753
	2014	187,229	159,573	167,998	174,913	203,678	214,694	235,507	242,749	209,660	191,583	158,846	167,343	2,313,772	2,437,324
	2015	173,824	159,676	177,850	191,364	213,975	229,122	243,920	240,108	218,819	198,887	168,455	177,384	2,393,384	2,366,430
Projected	2016	183,238	162,886	170,115	182,891	203,778	227,322	247,177	248,506	224,039	202,096	173,455	182,972	2,408,474	2,394,678
	2017	188,451	167,163	174,549	187,289	208,356	232,184	252,068	253,180	228,047	205,625	176,448	186,000	2,459,360	2,449,809
	2018	191,581	169,702	177,136	190,063	211,448	235,653	255,872	257,133	231,626	208,782	179,142	188,841	2,496,978	2,488,286
	2019	194,540	172,264	179,759	192,842	214,570	239,162	259,663	260,942	235,022	211,770	181,691	191,535	2,533,760	2,525,529
	2020	196,290	173,898	180,922	194,216	216,177	241,125	261,819	263,103	236,874	213,261	182,799	192,717	2,553,201	2,549,420
	2021	198,603	175,733	182,999	196,423	218,636	243,895	264,804	266,097	239,546	215,619	184,801	194,820	2,581,977	2,575,514
	2022	200,786	177,615	184,921	198,464	220,908	246,453	267,556	268,847	241,990	217,764	186,612	196,709	2,608,625	2,602,780
	2023	202,759	179,320	186,673	200,331	222,998	248,820	270,115	271,422	244,293	219,798	188,341	198,527	2,633,396	2,627,815
	2024	204,657	181,127	188,347	202,114	224,994	251,080	272,555	273,877	246,486	221,733	189,981	200,247	2,657,198	2,651,902
	2025	206,458	182,522	189,973	203,848	226,938	253,288	274,944	276,284	248,638	223,635	191,595	201,943	2,680,065	2,674,854
Projected	2026	208,237	184,067	191,550	205,536	228,835	255,447	277,284	278,650	250,761	225,518	193,198	203,628	2,702,711	2,697,540
	2027	210,007	185,607	193,139	207,237	230,747	257,630	279,650	281,046	252,912	227,427	194,822	205,337	2,725,562	2,720,320
	2028	211,798	187,324	194,727	208,933	232,646	259,792	281,989	283,402	255,016	229,282	196,391	206,979	2,748,280	2,743,213
	2029	213,521	188,650	196,282	210,591	234,508	261,914	284,285	285,718	257,082	231,100	197,933	208,596	2,770,178	2,765,203
	2030	215,214	190,105	197,754	212,152	236,257	263,902	286,426	287,869	258,991	232,771	199,342	210,065	2,790,849	2,786,300
	2031	216,763	191,442	199,125	213,617	237,913	265,798	288,482	289,952	260,857	234,418	200,752	211,553	2,810,671	2,806,126
	2032	218,332	192,961	200,505	215,093	239,585	267,712	290,554	292,051	262,731	236,067	202,158	213,032	2,830,781	2,826,246
	2033	219,891	194,140	201,896	216,574	241,264	269,634	292,634	294,156	264,610	237,716	203,564	214,513	2,850,593	2,846,057
	2034	221,460	195,490	203,263	218,030	242,918	271,530	294,689	296,239	266,467	239,346	204,952	215,973	2,870,357	2,865,879
	2035	223,003	196,819	204,613	219,468	244,549	273,400	296,713	298,289	268,294	234,535	200,388	211,026	2,871,097	2,885,420

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.7%	7.2%	7.8%	8.8%	9.5%	10.2%	10.4%	9.4%	8.5%	7.0%	7.3%	100.0%
	2007	7.5%	6.7%	7.2%	7.3%	8.4%	9.2%	10.1%	10.8%	9.5%	9.2%	6.9%	7.2%	100.0%
	2008	7.5%	7.2%	7.5%	7.6%	9.2%	9.7%	9.8%	10.0%	9.5%	8.2%	6.8%	7.0%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.7%	9.6%	10.0%	10.2%	9.4%	9.0%	7.3%	7.0%	100.0%
	2010	8.4%	6.9%	6.8%	6.8%	8.9%	10.0%	10.3%	10.2%	9.3%	7.8%	6.6%	8.0%	100.0%
	2011	7.6%	6.5%	7.1%	8.2%	9.0%	9.7%	10.3%	10.6%	9.4%	7.8%	6.9%	6.9%	100.0%
	2012	7.3%	6.9%	7.6%	7.6%	9.0%	9.3%	10.5%	10.1%	9.3%	8.6%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.1%	7.8%	8.5%	9.6%	9.8%	10.4%	9.3%	8.8%	7.4%	7.4%	100.0%
	2014	8.1%	6.9%	7.3%	7.6%	8.8%	9.3%	10.2%	10.5%	9.1%	8.3%	6.9%	7.2%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	8.9%	9.6%	10.2%	10.0%	9.1%	8.3%	7.0%	7.4%	100.0%
Projected	2016	7.6%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%
	2017	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%
	2018	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%
	2019	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%
	2020	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.4%	7.2%	7.5%	100.0%
	2021	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.4%	7.2%	7.5%	100.0%
	2022	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%
	2023	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.2%	7.5%	100.0%
	2024	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.5%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.1%	10.3%	9.3%	8.4%	6.9%	7.3%	100.0%
	2016-2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.4%	7.2%	7.6%	100.0%

1                      2                      3                      4                      5                      6                      7                      8                      9                      10                      11                      12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



**FMPA 2016 Load Forecast - High Economic Case**  
**FP&L Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										689.5	545.0	559.3	0.0	0.0
	2006	601.1	725.9	571.7	640.3	674.3	708.1	735.5	744.2	715.2	653.6	593.7	574.1	725.9	744.2
	2007	633.8	698.1	588.9	593.6	630.4	704.1	753.0	768.2	713.0	679.8	566.5	564.4	698.1	768.2
	2008	693.7	593.6	553.4	569.5	677.4	715.3	716.9	737.2	693.0	617.0	572.8	543.2	693.7	737.2
	2009	704.7	738.4	576.7	555.4	635.5	740.9	710.2	699.4	670.4	671.7	576.8	552.5	738.4	740.9
	2010	641.5	472.7	455.6	399.4	505.1	567.8	561.2	559.5	537.6	469.9	422.4	574.7	641.5	567.8
	2011	517.1	423.2	411.9	473.5	498.9	542.9	550.9	568.1	523.7	455.1	404.6	375.4	574.7	568.1
	2012	487.9	487.6	399.4	449.5	500.1	545.1	552.6	534.3	512.8	485.9	390.0	430.0	487.9	552.6
	2013	411.5	490.6	480.3	444.2	478.7	540.0	525.0	541.5	525.7	492.0	435.7	413.3	490.6	541.5
	2014	446.5	394.1	349.8	383.9	418.3	445.4	470.8	475.7	458.0	405.6	409.8	354.2	446.5	475.7
Projected	2015	384.0	476.8	356.4	417.3	437.7	471.5	478.3	469.9	455.3	405.7	363.9	367.1	476.8	478.3
	2016	450.3	465.0	370.6	381.3	434.8	470.8	483.9	484.1	454.5	411.7	365.8	374.9	465.0	484.1
	2017	459.8	474.9	378.5	389.4	444.0	480.8	494.1	494.3	464.1	420.4	372.6	380.8	474.9	494.3
	2018	467.2	482.6	384.4	395.3	450.8	488.2	501.8	502.0	471.3	426.9	378.2	386.6	482.6	502.0
	2019	474.4	490.2	390.1	401.1	457.5	495.5	509.3	509.5	478.3	433.2	383.4	392.1	490.2	509.5
	2020	479.5	494.5	393.3	404.5	461.6	500.1	514.0	514.3	482.7	437.0	386.2	394.9	494.5	514.3
	2021	485.0	500.2	397.8	409.1	466.8	505.8	519.9	520.1	488.1	441.9	390.4	399.0	500.2	520.1
	2022	490.1	505.5	401.9	413.3	471.6	511.0	525.3	525.4	493.2	446.5	394.2	402.8	505.5	525.4
	2023	494.8	510.5	405.7	417.2	476.1	515.9	530.3	530.5	497.9	450.7	397.9	406.5	510.5	530.5
	2024	499.4	515.2	409.4	421.0	480.4	520.6	535.2	535.3	502.4	454.8	401.3	410.0	515.2	535.3
Projected	2025	503.8	519.8	413.0	424.6	484.6	525.1	539.8	539.9	506.7	458.7	404.8	413.5	519.8	539.9
	2026	508.1	524.3	416.5	428.2	488.7	529.6	544.4	544.5	511.0	462.6	408.2	417.0	524.3	544.5
	2027	512.5	528.8	420.0	431.8	492.8	534.1	549.1	549.1	515.4	466.5	411.7	420.5	528.8	549.1
	2028	516.9	533.3	423.5	435.4	496.9	538.6	553.7	553.7	519.7	470.4	415.0	423.9	533.3	553.7
	2029	521.1	537.8	427.0	438.9	500.9	542.9	558.1	558.1	523.8	474.2	418.3	427.1	537.8	558.1
	2030	525.1	542.0	430.2	442.1	504.7	547.0	562.4	562.3	527.8	477.7	421.4	430.2	542.0	562.4
	2031	529.0	546.1	433.3	445.3	508.3	550.9	566.4	566.4	531.6	481.1	424.5	433.4	546.1	566.4
	2032	533.0	550.2	436.4	448.4	511.9	555.0	570.6	570.5	535.4	484.6	427.5	436.5	550.2	570.6
	2033	536.9	554.3	439.5	451.6	515.6	558.9	574.7	574.6	539.2	488.0	430.6	439.6	554.3	574.7
	2034	540.9	558.5	442.6	454.7	519.2	562.9	578.7	578.6	543.0	491.4	433.6	442.7	558.5	578.7
	2035	544.8	562.5	445.6	457.8	522.7	566.8	582.8	582.6	546.8	479.8	424.4	431.9	562.5	582.8

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.3%	64.7%	66.6%		
	2006	59.8%	51.2%	62.7%	60.7%	71.9%	67.0%	71.5%	69.6%	67.5%	65.0%	59.1%	65.5%	58.4%	56.9%
	2007	59.3%	53.3%	61.9%	62.3%	74.5%	65.5%	69.9%	70.7%	69.0%	68.1%	60.9%	66.7%	61.2%	55.6%
	2008	52.7%	62.6%	65.6%	64.9%	72.8%	65.7%	68.4%	65.5%	68.3%	64.7%	57.6%	64.4%	59.3%	55.8%
	2009	50.9%	48.2%	59.2%	63.6%	72.4%	61.8%	69.3%	69.7%	68.9%	63.7%	58.2%	65.4%	54.9%	54.7%
	2010	50.3%	62.0%	57.2%	65.1%	75.3%	67.6%	72.8%	69.8%	69.0%	63.5%	59.9%	55.4%	50.8%	57.4%
	2011	54.3%	63.5%	64.0%	64.1%	74.3%	66.2%	72.2%	69.2%	68.9%	64.0%	63.8%	71.1%	55.0%	55.6%
	2012	54.5%	55.2%	69.6%	61.9%	72.8%	62.3%	71.6%	69.1%	68.4%	64.6%	62.6%	63.9%	63.7%	56.2%
	2013	64.1%	55.3%	54.4%	64.1%	71.8%	65.1%	70.4%	70.4%	67.0%	65.1%	61.9%	68.0%	63.3%	57.4%
	2014	56.4%	60.2%	64.6%	61.2%	72.5%	64.8%	69.5%	68.6%	63.6%	63.5%	52.1%	65.6%	59.1%	55.5%
	2015	60.8%	49.8%	67.1%	61.6%	72.7%	65.3%	70.8%	68.7%	66.8%	65.9%	62.2%	67.1%	57.3%	57.1%
Projected	2016	54.7%	50.3%	61.7%	64.5%	69.7%	64.9%	70.9%	69.0%	68.5%	66.0%	63.7%	67.8%	59.1%	56.8%
	2017	55.1%	52.4%	62.0%	64.6%	69.8%	64.9%	70.9%	68.8%	68.2%	65.7%	63.6%	67.8%	59.1%	56.8%
	2018	55.1%	52.3%	61.9%	64.6%	69.8%	64.9%	70.8%	68.8%	68.3%	65.7%	63.7%	67.8%	59.1%	56.8%
	2019	55.1%	52.3%	61.9%	64.6%	69.8%	64.9%	70.8%	68.8%	68.2%	65.7%	63.7%	67.8%	59.0%	56.8%
	2020	55.0%	50.5%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.2%	65.6%	63.6%	67.8%	58.9%	56.7%
	2021	55.0%	52.3%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.2%	65.6%	63.6%	67.8%	58.9%	56.7%
	2022	55.1%	52.3%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.2%	65.6%	63.6%	67.8%	58.9%	56.7%
	2023	55.1%	52.3%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.2%	65.5%	63.6%	67.8%	58.9%	56.7%
	2024	55.1%	50.5%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.1%	65.5%	63.6%	67.8%	58.9%	56.7%
	2025	55.1%	52.3%	61.8%	64.5%	69.7%	64.8%	70.7%	68.8%	68.1%	65.5%	63.6%	67.8%	58.9%	56.7%
Avg.	2006-2015	56.3%	56.1%	62.6%	63.0%	73.1%	65.1%	70.6%	69.1%	67.7%	64.8%	59.8%	65.3%	58.3%	56.2%
	2016-2025	55.0%	51.7%	61.9%	64.6%	69.7%	64.8%	70.8%	68.8%	68.2%	65.6%	63.6%	67.8%	59.0%	56.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - High Economic Case  
**FP&L Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	532.2	707.5	539.6	590.8	649.4	690.5	708.8	730.4	666.9	618.4	532.4	509.7	707.5	730.4
	2007	575.4	588.1	493.9	557.4	619.2	661.7	728.0	750.9	697.5	636.2	542.6	492.1	588.1	750.9
	2008	670.8	508.5	515.3	537.1	660.7	686.2	692.0	719.7	650.8	567.0	512.5	486.3	670.8	719.7
	2009	689.0	709.9	523.0	497.1	616.7	731.3	676.0	673.7	643.7	658.7	507.7	469.9	709.9	731.3
	2010	631.0	449.9	436.3	363.4	455.8	553.1	547.2	552.7	507.9	461.0	385.5	544.4	631.0	553.1
	2011	500.8	365.5	374.8	458.0	465.0	519.7	523.8	534.8	472.2	443.3	385.4	340.4	544.4	534.8
	2012	469.7	440.5	381.5	430.4	470.5	487.5	527.2	502.8	475.1	467.8	343.0	349.1	469.7	527.2
	2013	321.0	423.2	425.0	423.2	466.1	515.3	478.7	524.0	503.5	465.1	408.2	370.8	425.0	524.0
	2014	384.4	331.5	304.0	378.9	404.1	424.2	452.6	452.1	412.6	392.8	322.8	308.9	384.4	452.1
	2015	319.7	456.4	333.9	368.4	434.7	444.3	450.7	438.2	446.2	390.9	320.6	329.9	456.4	444.3
Projected	2016	405.9	419.4	335.9	359.3	418.9	447.5	459.0	463.4	429.5	396.7	322.1	336.9	405.9	463.4
	2017	414.5	428.3	343.0	366.9	427.8	456.9	468.7	473.2	438.5	405.0	328.2	342.3	414.5	473.2
	2018	421.3	435.4	348.4	372.5	434.3	464.0	476.0	480.6	445.3	411.3	333.1	347.6	421.3	480.6
	2019	427.9	442.4	353.6	377.9	440.8	470.9	483.1	487.8	451.9	417.3	337.7	352.5	427.9	487.8
	2020	432.5	446.4	356.4	381.0	444.7	475.2	487.5	492.2	455.9	420.9	339.9	354.9	432.5	492.2
	2021	437.4	451.6	360.5	385.2	449.7	480.5	493.1	497.8	461.1	425.6	343.6	358.7	437.4	497.8
	2022	442.0	456.4	364.2	389.2	454.3	485.5	498.2	503.0	465.8	430.0	347.0	362.1	442.0	503.0
	2023	446.4	460.9	367.7	392.9	458.6	490.1	503.0	507.8	470.3	434.1	350.2	365.5	446.4	507.8
	2024	450.6	465.2	371.1	396.4	462.8	494.5	507.6	512.4	474.5	438.0	353.3	368.7	450.6	512.4
	2025	454.5	469.4	374.3	399.8	466.8	498.8	512.0	516.8	478.6	441.8	356.3	371.9	454.5	516.8
Projected	2026	458.5	473.5	377.5	403.1	470.7	503.0	516.4	521.2	482.7	445.5	359.3	375.1	458.5	521.2
	2027	462.5	477.6	380.7	406.5	474.7	507.3	520.8	525.7	486.7	449.2	362.4	378.3	462.5	525.7
	2028	466.4	481.7	383.9	409.9	478.7	511.5	525.2	530.1	490.8	453.0	365.3	381.3	466.4	530.1
	2029	470.2	485.8	387.0	413.2	482.5	515.6	529.4	534.3	494.7	456.6	368.2	384.3	470.2	534.3
	2030	473.9	489.6	390.0	416.2	486.1	519.5	533.4	538.4	498.4	460.0	370.9	387.1	473.9	538.4
	2031	477.5	493.3	392.8	419.1	489.6	523.2	537.3	542.2	502.0	463.2	373.7	390.0	477.5	542.2
	2032	481.2	497.2	395.7	422.1	493.1	527.0	541.2	546.2	505.6	466.5	376.3	392.9	481.2	546.2
	2033	484.8	501.0	398.5	425.0	496.6	530.7	545.1	550.1	509.2	469.8	379.0	395.8	484.8	550.1
	2034	488.5	504.8	401.4	428.0	500.0	534.4	549.0	554.0	512.7	473.1	381.7	398.6	488.5	554.0
	2035	492.1	508.5	404.2	430.8	503.5	538.1	552.8	557.8	516.2	461.5	373.3	388.9	492.1	557.8

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.1%	96.6%	87.1%		
	2006	88.5%	97.5%	94.4%	92.3%	96.3%	97.5%	96.4%	98.1%	93.2%	94.6%	89.7%	88.8%	97.5%	98.1%
	2007	90.8%	84.2%	83.9%	93.9%	98.2%	94.0%	96.7%	97.8%	97.8%	93.6%	95.8%	87.2%	84.2%	97.8%
	2008	96.7%	85.7%	93.1%	94.3%	97.5%	95.9%	96.5%	97.6%	93.9%	91.9%	89.5%	89.5%	96.7%	97.6%
	2009	97.8%	96.1%	90.7%	89.5%	97.0%	98.7%	95.2%	96.3%	96.0%	98.1%	88.0%	85.0%	96.1%	98.7%
	2010	98.4%	95.2%	95.7%	91.0%	90.2%	97.4%	97.5%	98.8%	94.5%	98.1%	91.3%	94.7%	98.4%	97.4%
	2011	96.9%	86.4%	91.0%	96.7%	93.2%	95.7%	95.1%	94.1%	90.2%	97.4%	95.2%	90.7%	94.7%	94.1%
	2012	96.3%	90.3%	95.5%	95.7%	94.1%	89.4%	95.4%	94.1%	92.7%	96.3%	88.0%	81.2%	96.3%	95.4%
	2013	78.0%	86.3%	88.5%	95.3%	97.4%	95.4%	91.2%	96.8%	95.8%	94.5%	93.7%	89.7%	86.6%	96.8%
	2014	86.1%	84.1%	86.9%	98.7%	96.6%	95.2%	96.1%	95.0%	90.1%	96.8%	78.8%	87.2%	86.1%	95.0%
	2015	83.3%	95.7%	93.7%	88.3%	99.3%	94.2%	93.3%	93.3%	98.0%	96.3%	88.1%	89.9%	95.7%	92.9%
Projected	2016	90.2%	90.2%	90.6%	94.2%	96.4%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2017	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2018	90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2019	90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2020	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2021	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2022	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2023	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2024	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2025	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
2006-2015		91.3%	90.2%	91.3%	93.6%	96.0%	95.4%	95.4%	96.2%	94.2%	95.8%	89.8%	88.4%	93.2%	96.4%
2016-2025		90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - High Economic Case  
**Duke Energy Florida Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	2,055,682	-	2,038,120	-	-0.9%	416.8	-	412.1	-	-1.1%	434.3	-	459.7		5.9%
	2007	2,035,888	-1.0%	2,049,430	0.6%	0.7%	364.2	-12.6%	386.7	-6.2%	6.2%	449.2	3.4%	438.6	-4.6%	-2.4%
	2008	1,960,379	-3.7%	1,969,045	-3.9%	0.4%	395.4	8.6%	381.5	-1.4%	-3.5%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,556	-1.8%	-0.3%	432.9	9.5%	404.6	6.1%	-6.5%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,090	-2.1%	-5.1%	466.6	7.8%	397.3	-1.8%	-14.9%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,916	-2.3%	-4.2%	416.1	-10.8%	406.0	2.2%	-2.4%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,948	-1.5%	0.0%	381.2	-8.4%	361.3	-11.0%	-5.2%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,620	0.2%	-0.2%	342.2	-10.2%	353.3	-2.2%	3.3%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,924	0.9%	-0.6%	371.1	8.5%	392.4	11.1%	5.7%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,898	0.6%	-2.6%	407.6	9.8%	405.9	3.4%	-0.4%	419.6	3.3%	443.8	7.9%	5.8%
Projected	2016	1,892,183	-0.5%	1,892,183	2.1%		397.6	-2.4%	397.6	-2.0%		411.9	-1.8%	411.9	-7.2%	
	2017			1,940,945	2.6%				408.3	2.7%				423.1	2.7%	
	2018			1,991,037	2.6%				418.6	2.5%				433.8	2.5%	
	2019			2,035,991	2.3%				427.6	2.2%				443.2	2.2%	
	2020			2,077,518	2.0%				436.1	2.0%				452.1	2.0%	
	2021			2,114,550	1.8%				443.7	1.8%				460.1	1.8%	
	2022			2,151,118	1.7%				451.3	1.7%				468.0	1.7%	
	2023			2,186,610	1.6%				458.6	1.6%				475.6	1.6%	
	2024			2,223,045	1.7%				466.2	1.6%				483.5	1.7%	
	2025			2,256,275	1.5%				473.1	1.5%				490.7	1.5%	
	2026			2,290,315	1.5%				480.2	1.5%				498.1	1.5%	
	2027			2,324,264	1.5%				487.2	1.5%				505.5	1.5%	
	2028			2,359,310	1.5%				494.5	1.5%				513.0	1.5%	
	2029			2,390,703	1.3%				501.0	1.3%				519.8	1.3%	
	2030			2,423,009	1.4%				507.7	1.3%				526.8	1.3%	
	2031			2,454,611	1.3%				514.3	1.3%				533.7	1.3%	
	2032			2,487,081	1.3%				521.0	1.3%				540.7	1.3%	
	2033			2,516,055	1.2%				527.0	1.2%				547.0	1.2%	
	2034			2,546,422	1.2%				533.4	1.2%				553.6	1.2%	
	2035			2,576,726	1.2%				539.7	1.2%				560.1	1.2%	
CAGR <sup>[3]</sup>	2006-2015		-0.9%		-1.1%			-0.2%		-0.2%			-0.4%		-0.4%	
	2016-2025				2.0%					2.0%					2.0%	
	2026-2035				1.3%					1.3%					1.3%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.87 MW beginning Jan-20

**FMPA 2016 Load Forecast - High Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										167,643	137,892	157,409	462,943	0
	2006	155,704	146,152	146,401	157,322	181,445	191,882	207,167	217,089	189,577	166,850	143,045	148,655	2,051,289	2,055,682
	2007	153,684	143,790	148,751	148,736	172,340	190,674	205,149	223,342	190,872	176,047	137,924	144,504	2,035,813	2,035,888
	2008	153,013	137,244	141,076	147,111	176,933	185,030	190,577	189,513	181,407	154,821	137,073	143,509	1,937,308	1,960,379
	2009	159,379	141,894	141,979	139,972	167,009	192,539	189,754	191,240	180,729	167,870	128,831	145,529	1,946,724	1,939,898
	2010	176,160	148,675	136,810	134,621	178,818	195,352	200,598	199,701	181,087	147,779	129,686	176,651	2,005,939	1,994,053
	2011	152,375	126,194	131,429	147,730	169,503	183,822	188,565	201,342	175,698	137,798	125,307	132,269	1,872,030	1,930,773
	2012	142,196	125,894	139,027	142,877	169,382	164,976	186,229	183,698	170,677	152,038	126,540	137,410	1,840,943	1,820,328
	2013	135,758	126,422	136,897	141,458	156,355	174,618	175,873	189,899	174,475	153,896	127,773	135,566	1,828,991	1,827,744
	2014	161,655	125,071	129,480	138,377	163,443	171,918	185,775	193,339	167,658	149,219	131,467	140,713	1,858,115	1,853,952
	2015	146,342	135,477	142,180	151,137	172,147	185,413	185,670	190,005	172,729	151,919	129,564	150,562	1,913,144	1,902,497
Projected	2016	150,869	130,505	137,384	143,364	160,545	180,380	189,609	196,039	171,443	153,067	133,805	154,325	1,901,335	1,892,183
	2017	155,309	133,126	141,738	147,015	165,407	185,124	194,687	201,561	175,781	157,167	137,368	158,351	1,952,634	1,940,945
	2018	159,257	136,662	145,382	150,832	169,717	189,758	199,660	206,689	180,194	161,104	140,781	162,136	2,002,171	1,991,037
	2019	162,986	139,830	148,667	154,215	173,449	193,850	203,929	211,070	183,974	164,461	143,687	165,420	2,045,537	2,035,991
	2020	166,249	143,974	151,617	157,264	176,839	197,607	207,851	215,100	187,450	167,576	146,409	168,544	2,086,479	2,077,518
	2021	169,345	145,291	154,450	160,191	180,096	201,223	211,628	218,986	190,810	170,573	149,022	171,529	2,123,144	2,114,550
	2022	172,299	147,823	157,137	162,971	183,192	204,658	215,216	222,685	194,014	173,439	151,529	174,394	2,159,356	2,151,118
	2023	175,138	150,272	159,743	165,675	186,210	208,011	218,727	226,311	197,161	176,258	153,996	177,218	2,194,721	2,186,610
	2024	177,939	154,125	162,310	168,339	189,184	211,320	222,192	229,893	200,270	179,044	156,434	180,013	2,231,064	2,223,045
	2025	180,714	155,083	164,863	170,985	192,137	214,602	225,625	233,434	203,340	181,790	158,835	182,757	2,264,166	2,256,275
Projected	2026	183,436	157,425	167,357	173,575	195,031	217,820	228,997	236,920	206,371	184,509	161,218	185,489	2,298,149	2,290,315
	2027	186,150	159,766	169,851	176,163	197,924	221,037	232,364	240,400	209,393	187,217	163,589	188,204	2,332,058	2,324,264
	2028	188,844	163,609	172,312	178,714	200,772	224,202	235,675	243,816	212,356	189,869	165,908	190,859	2,366,935	2,359,310
	2029	191,478	164,359	174,734	181,224	203,574	227,315	238,932	247,179	215,273	192,480	168,192	193,473	2,398,213	2,390,703
	2030	194,072	166,589	177,107	183,684	206,319	230,366	242,123	250,473	218,131	195,037	170,430	196,035	2,430,366	2,423,009
	2031	196,611	168,775	179,430	186,091	209,002	233,348	245,242	253,690	220,919	197,532	172,611	198,532	2,461,784	2,454,611
	2032	199,088	172,512	181,696	188,440	211,622	236,262	248,292	256,841	223,652	199,981	174,757	200,990	2,494,134	2,487,081
	2033	201,524	173,018	183,947	190,775	214,229	239,160	251,326	259,975	226,373	202,419	176,894	203,437	2,523,076	2,516,055
	2034	203,951	175,109	186,175	193,088	216,811	242,034	254,338	263,089	229,078	204,844	179,020	205,875	2,553,412	2,546,422
	2035	206,372	177,198	188,400	195,396	219,389	244,905	257,346	266,199	231,780	207,266	181,143	208,310	2,583,706	2,576,726

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.1%	7.1%	7.7%	8.8%	9.4%	10.1%	10.6%	9.2%	8.1%	7.0%	7.2%	100.0%
	2007	7.5%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	11.0%	9.4%	8.6%	6.8%	7.1%	100.0%
	2008	7.9%	7.1%	7.3%	7.6%	9.1%	9.6%	9.8%	9.8%	9.4%	8.0%	7.1%	7.4%	100.0%
	2009	8.2%	7.3%	7.3%	7.2%	8.6%	9.9%	9.7%	9.8%	9.3%	8.6%	6.6%	7.5%	100.0%
	2010	8.8%	7.4%	6.8%	6.7%	8.9%	9.7%	10.0%	10.0%	9.0%	7.4%	6.5%	8.8%	100.0%
	2011	8.1%	6.7%	7.0%	7.9%	9.1%	9.8%	10.1%	10.8%	9.4%	7.4%	6.7%	7.1%	100.0%
	2012	7.7%	6.8%	7.6%	7.8%	9.2%	9.0%	10.1%	10.0%	9.3%	8.3%	6.9%	7.5%	100.0%
	2013	7.4%	6.9%	7.5%	7.7%	8.5%	9.5%	9.6%	10.4%	9.5%	8.4%	7.0%	7.4%	100.0%
	2014	8.7%	6.7%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.0%	8.0%	7.1%	7.6%	100.0%
	2015	7.6%	7.1%	7.4%	7.9%	9.0%	9.7%	9.9%	9.9%	9.0%	7.9%	6.8%	7.9%	100.0%
Projected	2016	7.9%	6.9%	7.2%	7.5%	8.4%	9.5%	10.0%	10.3%	9.0%	8.1%	7.0%	8.1%	100.0%
	2017	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2018	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2019	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2020	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2021	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2022	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2023	8.0%	6.8%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2024	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
	2025	8.0%	6.8%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%
Avg.	2006-2015	8.0%	7.0%	7.2%	7.5%	8.9%	9.5%	9.9%	10.3%	9.3%	8.1%	6.8%	7.5%	100.0%
	2016-2025	8.0%	6.9%	7.3%	7.5%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.1%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - High Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										363.1	286.5	338.9	0.0	0.0
	2006	357.3	417.1	287.8	374.1	397.2	418.8	426.6	441.2	404.1	379.1	294.0	300.7	417.1	441.2
	2007	367.8	367.0	315.3	337.6	367.4	422.4	435.9	452.7	421.1	387.7	286.1	305.5	367.8	452.7
	2008	395.6	337.0	288.3	316.6	374.4	425.5	414.5	421.7	395.8	341.0	318.2	342.0	395.6	425.5
	2009	440.9	448.0	343.4	307.7	378.1	438.4	401.7	416.1	381.1	389.8	263.4	318.1	448.0	438.4
	2010	469.5	375.8	336.2	283.3	374.4	425.4	419.3	421.2	398.0	344.9	276.1	420.5	469.5	425.4
	2011	403.3	334.3	261.1	356.0	380.1	415.7	403.6	416.2	376.6	307.4	267.9	266.6	420.5	416.2
	2012	385.4	369.1	287.6	329.8	367.7	383.7	391.7	391.4	380.7	346.5	277.1	289.2	385.4	391.7
	2013	288.9	344.0	346.7	315.0	346.3	389.5	387.3	402.4	388.4	339.6	283.2	281.1	346.7	402.4
	2014	374.8	325.7	261.6	341.9	364.5	383.8	395.6	413.9	394.8	346.7	335.6	306.2	374.8	413.9
Projected	2015	343.1	408.2	296.5	328.9	381.3	423.0	396.0	415.0	389.6	354.1	274.7	306.3	408.2	423.0
	2016	398.7	361.7	295.2	316.6	370.5	408.4	399.5	418.6	389.0	350.6	282.2	314.6	398.7	418.6
	2017	409.4	371.5	303.1	325.2	380.5	419.4	410.3	429.8	399.5	360.0	289.3	322.6	409.4	429.8
	2018	419.7	380.9	310.7	333.4	390.1	430.1	420.7	440.7	409.6	369.1	295.6	329.5	419.7	440.7
	2019	428.8	389.1	317.5	340.6	398.6	439.4	429.8	450.3	418.5	377.1	301.5	336.1	428.8	450.3
	2020	437.3	396.9	323.8	347.4	406.5	448.2	438.4	459.3	426.9	384.6	306.8	342.0	437.3	459.3
	2021	445.0	403.8	329.4	353.5	413.7	456.1	446.1	467.4	434.4	391.4	312.0	347.8	445.0	467.4
	2022	452.6	410.7	335.0	359.5	420.7	463.8	453.7	475.3	441.8	398.0	317.2	353.5	452.6	475.3
	2023	459.9	417.4	340.5	365.4	427.6	471.4	461.2	483.1	449.0	404.5	322.4	359.4	459.9	483.1
	2024	467.5	424.3	346.1	371.4	434.7	479.2	468.8	491.1	456.4	411.2	327.2	364.7	467.5	491.1
Projected	2025	474.4	430.6	351.2	376.9	441.1	486.3	475.8	498.4	463.2	417.3	332.1	370.2	474.4	498.4
	2026	481.5	437.1	356.5	382.6	447.7	493.6	482.9	505.9	470.2	423.6	337.0	375.6	481.5	505.9
	2027	488.6	443.5	361.7	388.2	454.3	500.9	490.0	513.4	477.1	429.8	342.1	381.2	488.6	513.4
	2028	495.9	450.1	367.1	394.0	461.1	508.4	497.3	521.0	484.2	436.2	346.6	386.3	495.9	521.0
	2029	502.4	456.1	371.9	399.2	467.2	515.1	503.9	527.9	490.6	442.0	351.3	391.4	502.4	527.9
	2030	509.2	462.2	376.9	404.6	473.5	522.0	510.7	535.0	497.2	447.9	355.8	396.5	509.2	535.0
	2031	515.7	468.2	381.8	409.8	479.6	528.8	517.3	541.9	503.7	453.7	360.5	401.7	515.7	541.9
	2032	522.5	474.3	386.8	415.2	485.9	535.7	524.1	549.0	510.3	459.6	364.7	406.4	522.5	549.0
	2033	528.5	479.8	391.2	420.0	491.5	541.9	530.2	555.4	516.2	465.0	369.1	411.3	528.5	555.4
	2034	534.9	485.6	395.9	425.0	497.4	548.5	536.5	562.1	522.4	470.6	373.5	416.2	534.9	562.1
	2035	541.2	491.3	400.6	430.1	503.3	555.0	542.9	568.8	528.6	476.1	378.1	421.3	541.2	568.8

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.1%	64.7%	64.5%		
	2006	58.6%	52.1%	68.4%	56.5%	68.0%	61.6%	67.5%	66.1%	65.2%	59.2%	65.4%	68.7%	56.1%	53.1%
	2007	56.2%	58.3%	63.4%	59.2%	69.8%	60.7%	65.4%	66.3%	63.0%	61.0%	64.8%	65.7%	63.2%	51.3%
	2008	52.0%	58.5%	65.8%	62.5%	70.3%	58.4%	63.9%	60.4%	63.7%	61.0%	57.9%	58.3%	55.9%	52.0%
	2009	48.6%	47.1%	55.6%	61.1%	65.7%	59.0%	65.6%	61.8%	65.9%	57.9%	65.7%	63.5%	49.6%	50.7%
	2010	50.4%	58.9%	54.7%	63.9%	71.1%	61.7%	66.4%	63.7%	63.2%	57.6%	63.1%	58.4%	48.8%	53.8%
	2011	50.8%	56.2%	67.7%	55.8%	66.4%	59.4%	64.9%	65.0%	64.8%	60.3%	62.9%	68.9%	50.8%	51.3%
	2012	49.6%	49.0%	65.0%	58.2%	68.6%	57.8%	66.0%	63.1%	62.3%	59.0%	61.4%	66.0%	54.5%	53.6%
	2013	63.2%	54.7%	53.1%	60.4%	67.2%	60.3%	63.1%	63.4%	62.4%	60.9%	60.6%	67.0%	60.2%	51.9%
	2014	58.0%	57.1%	66.5%	54.4%	66.7%	60.2%	65.2%	62.8%	59.0%	57.9%	52.7%	63.8%	56.6%	51.2%
Projected	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	57.7%	63.4%	68.3%	53.5%	51.6%
	2016	50.9%	51.8%	62.6%	60.9%	64.5%	59.4%	65.9%	63.0%	61.2%	58.7%	63.7%	68.1%	54.4%	51.9%
	2017	51.0%	53.3%	62.9%	60.8%	64.7%	59.3%	65.9%	63.0%	61.1%	58.7%	63.8%	68.2%	54.4%	51.9%
	2018	51.0%	53.4%	62.9%	60.8%	64.7%	59.3%	65.9%	63.0%	61.1%	58.7%	64.0%	68.3%	54.5%	51.9%
	2019	51.1%	53.5%	62.9%	60.9%	64.8%	59.3%	65.9%	63.0%	61.1%	58.6%	64.1%	68.4%	54.5%	51.9%
	2020	51.1%	52.1%	62.9%	60.8%	64.7%	59.3%	65.8%	62.9%	61.0%	58.6%	64.1%	68.4%	54.5%	51.9%
	2021	51.1%	53.5%	63.0%	60.9%	64.8%	59.3%	65.9%	63.0%	61.0%	58.6%	64.2%	68.5%	54.5%	51.9%
	2022	51.2%	53.6%	63.0%	60.9%	64.8%	59.3%	65.9%	63.0%	61.0%	58.6%	64.2%	68.5%	54.5%	51.9%
	2023	51.2%	53.6%	63.1%	60.9%	64.8%	59.3%	65.9%	63.0%	61.0%	58.6%	64.2%	68.5%	54.5%	51.9%
	2024	51.2%	52.2%	63.0%	60.9%	64.8%	59.3%	65.8%	62.9%	60.9%	58.5%	64.3%	68.6%	54.5%	51.9%
Avg.	2006-2015	54.5%	54.1%	62.4%	59.4%	68.1%	59.8%	65.3%	63.4%	63.1%	59.2%	61.8%	64.8%	54.9%	52.1%
	2016-2025	51.1%	53.1%	62.9%	60.9%	64.7%	59.3%	65.9%	63.0%	61.0%	58.6%	64.1%	68.4%	54.5%	51.9%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - High Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	320.8	416.8	270.9	373.9	382.9	418.3	423.6	434.3	386.9	373.2	275.9	267.3	416.8	434.3
	2007	367.5	364.2	292.3	337.0	360.8	420.7	433.0	449.2	415.3	382.3	283.8	263.0	364.2	449.2
	2008	395.4	336.2	285.0	305.1	356.2	424.7	413.4	420.5	390.7	334.4	279.8	341.6	395.4	420.5
	2009	440.2	432.9	342.8	306.2	376.5	438.2	388.0	412.2	377.7	379.0	223.8	317.7	432.9	438.2
	2010	466.6	371.9	334.6	276.5	364.8	415.8	407.1	411.2	387.8	331.9	259.9	416.1	466.6	415.8
	2011	401.6	333.5	226.8	342.8	371.8	410.6	391.9	407.5	370.5	304.0	258.2	234.1	416.1	407.5
	2012	381.2	368.7	278.6	313.0	345.0	368.2	373.5	385.4	377.9	341.7	227.0	288.9	381.2	373.5
	2013	285.3	342.3	342.2	299.4	332.8	362.9	379.0	391.2	375.9	333.9	265.3	243.1	342.2	391.2
	2014	371.1	325.5	209.1	340.6	356.6	377.0	377.7	406.2	389.8	342.2	330.7	303.1	371.1	406.2
	2015	342.6	407.6	288.1	320.9	376.9	419.6	387.0	406.6	372.9	348.5	257.6	288.9	407.6	419.6
Projected	2016	397.6	361.3	274.3	310.1	360.2	400.9	387.7	411.9	382.7	345.0	264.6	296.7	397.6	411.9
	2017	408.3	371.0	281.7	318.4	369.9	411.7	398.2	423.1	393.0	354.3	271.3	304.2	408.3	423.1
	2018	418.6	380.4	288.8	326.5	379.3	422.2	408.3	433.8	403.0	363.3	277.2	310.7	418.6	433.8
	2019	427.6	388.6	295.0	333.5	387.5	431.3	417.2	443.2	411.7	371.2	282.7	316.9	427.6	443.2
	2020	436.1	396.4	300.9	340.2	395.3	440.0	425.5	452.1	420.0	378.6	287.7	322.5	436.1	452.1
	2021	443.7	403.3	306.2	346.2	402.2	447.7	433.0	460.1	427.3	385.3	292.6	328.0	443.7	460.1
	2022	451.3	410.2	311.4	352.1	409.1	455.4	440.4	468.0	434.6	391.8	297.4	333.3	451.3	468.0
	2023	458.6	416.9	316.4	357.8	415.8	462.8	447.6	475.6	441.8	398.2	302.3	338.8	458.6	475.6
	2024	466.2	423.8	321.7	363.8	422.6	470.5	455.0	483.5	449.1	404.8	306.8	343.8	466.2	483.5
	2025	473.1	430.1	326.4	369.2	428.9	477.5	461.8	490.7	455.8	410.9	311.4	349.0	473.1	490.7
Projected	2026	480.2	436.5	331.3	374.7	435.3	484.6	468.8	498.1	462.6	417.0	316.0	354.1	480.2	498.1
	2027	487.2	443.0	336.2	380.2	441.8	491.8	475.7	505.5	469.4	423.2	320.7	359.4	487.2	505.5
	2028	494.5	449.6	341.2	385.9	448.4	499.1	482.8	513.0	476.5	429.5	324.9	364.1	494.5	513.0
	2029	501.0	455.5	345.7	391.0	454.3	505.8	489.2	519.8	482.8	435.2	329.3	369.0	501.0	519.8
	2030	507.7	461.6	350.3	396.2	460.4	512.5	495.8	526.8	489.2	441.0	333.5	373.8	507.7	526.8
	2031	514.3	467.6	354.8	401.4	466.3	519.2	502.2	533.7	495.6	446.7	337.9	378.7	514.3	533.7
	2032	521.0	473.8	359.4	406.6	472.5	526.0	508.8	540.7	502.1	452.6	341.8	383.1	521.0	540.7
	2033	527.0	479.3	363.6	411.3	477.9	532.1	514.7	547.0	507.9	457.8	346.0	387.7	527.0	547.0
	2034	533.4	485.0	367.9	416.3	483.7	538.5	520.9	553.6	514.0	463.3	350.1	392.3	533.4	553.6
	2035	539.7	490.8	372.3	421.2	489.4	544.9	527.1	560.1	520.1	468.8	354.4	397.1	539.7	560.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.6%	99.0%	99.8%		
	2006	89.8%	99.9%	94.1%	99.9%	96.4%	99.9%	99.3%	98.4%	95.7%	98.4%	93.9%	88.9%	99.9%	98.4%
	2007	99.9%	99.2%	92.7%	99.8%	98.2%	99.6%	99.3%	99.2%	98.6%	98.6%	99.2%	86.1%	99.0%	99.2%
	2008	99.9%	99.7%	98.8%	96.4%	95.1%	99.8%	99.7%	99.7%	98.7%	98.1%	87.9%	99.9%	99.9%	98.8%
	2009	99.9%	96.6%	99.8%	99.5%	99.6%	100.0%	96.6%	99.0%	99.1%	97.2%	85.0%	99.9%	96.6%	100.0%
	2010	99.4%	99.0%	99.5%	97.6%	97.5%	97.7%	97.1%	97.6%	97.4%	96.3%	94.2%	99.0%	99.4%	97.7%
	2011	99.6%	99.8%	86.9%	96.3%	97.8%	98.8%	97.1%	97.9%	98.4%	98.9%	96.4%	87.8%	99.0%	97.9%
	2012	98.9%	99.9%	96.9%	94.9%	93.8%	96.0%	95.3%	98.5%	99.3%	98.6%	81.9%	99.9%	98.9%	95.3%
	2013	98.7%	99.5%	98.7%	95.1%	96.1%	93.2%	97.8%	97.2%	96.8%	98.3%	93.7%	86.5%	98.7%	97.2%
	2014	99.0%	99.9%	80.0%	99.6%	97.8%	98.2%	95.5%	98.1%	98.7%	98.7%	98.5%	99.0%	99.0%	98.1%
	2015	99.9%	99.8%	97.2%	97.6%	98.9%	99.2%	97.7%	98.0%	95.7%	98.4%	93.8%	94.3%	99.8%	99.2%
Projected	2016	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.0%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2017	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2018	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2019	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2020	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2021	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2022	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2023	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.5%	98.4%	98.4%	93.8%	94.3%	99.7%	98.5%
	2024	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.5%	98.4%	98.4%	93.8%	94.3%	99.7%	98.5%
	2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.5%	98.4%	98.4%	93.8%	94.3%	99.7%	98.5%
	2006-2015	98.5%	99.3%	94.5%	97.7%	97.1%	98.2%	97.6%	98.4%	97.8%	98.2%	92.4%	94.1%	99.0%	98.2%
	2016-2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Low Economic Case  
**Total Agency - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	7,203,740	-	7,156,396	-	-0.7%	1,401.3	-	1,319.2	-	-5.9%	1,477.7	-	1,535.6		3.9%
	2007	7,209,394	0.1%	7,187,165	0.4%	-0.3%	1,202.3	-14.2%	1,294.3	-1.9%	7.7%	1,521.2	2.9%	1,506.5	-1.9%	-1.0%
	2008	7,091,611	-1.6%	7,066,648	-1.7%	-0.4%	1,330.2	10.6%	1,326.6	2.5%	-0.3%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,815,289	-3.6%	-0.5%	1,418.5	6.6%	1,305.0	-1.6%	-8.0%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,166,608	-9.5%	-4.7%	1,412.0	-0.5%	1,188.1	-9.0%	-15.9%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,915,358	-4.1%	-3.8%	1,258.3	-10.9%	1,237.6	4.2%	-1.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,937,619	0.4%	0.4%	1,096.7	-12.8%	1,089.3	-12.0%	-0.7%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,930,152	-0.1%	0.3%	1,009.9	-7.9%	1,029.5	-5.5%	1.9%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,149	-4.6%	-1.4%	996.9	-1.3%	1,113.4	8.1%	11.7%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,634,802	-0.4%	-2.5%	1,128.5	13.2%	1,050.8	-5.6%	-6.9%	1,194.4	0.8%	1,250.8	4.9%	4.7%
Projected	2016	5,752,879	-0.4%	5,752,879	2.1%		1,061.0	-6.0%	1,061.0	1.0%		1,195.9	0.1%	1,195.9	-4.4%	
	2017			5,755,495	0.0%				1,061.3	0.0%				1,196.2	0.0%	
	2018			5,763,281	0.1%				1,063.5	0.2%				1,198.5	0.2%	
	2019			5,782,382	0.3%				1,067.6	0.4%				1,203.2	0.4%	
	2020			5,806,634	0.4%				1,072.6	0.5%				1,209.2	0.5%	
	2021			5,835,339	0.5%				1,078.5	0.6%				1,216.2	0.6%	
	2022			5,872,885	0.6%				1,085.5	0.6%				1,224.2	0.7%	
	2023			5,909,742	0.6%				1,092.4	0.6%				1,232.2	0.6%	
	2024			5,950,717	0.7%				1,100.0	0.7%				1,241.0	0.7%	
	2025			5,983,977	0.6%				1,106.2	0.6%				1,248.2	0.6%	
	2026			6,021,665	0.6%				1,113.2	0.6%				1,256.2	0.6%	
	2027			6,059,615	0.6%				1,120.1	0.6%				1,264.3	0.6%	
	2028			6,101,516	0.7%				1,127.9	0.7%				1,273.3	0.7%	
	2029			6,134,104	0.5%				1,133.8	0.5%				1,280.2	0.5%	
	2030			6,169,410	0.6%				1,140.3	0.6%				1,287.6	0.6%	
	2031			6,202,139	0.5%				1,146.3	0.5%				1,294.5	0.5%	
	2032			6,239,194	0.6%				1,153.4	0.6%				1,302.6	0.6%	
	2033			6,269,240	0.5%				1,159.1	0.5%				1,309.1	0.5%	
	2034			6,303,838	0.6%				1,165.6	0.6%				1,316.6	0.6%	
	2035			6,338,814	0.6%				1,172.2	0.6%				1,324.1	0.6%	
CAGR <sup>[3]</sup>	2006-2015		-2.4%		-2.6%			-2.4%		-2.5%			-2.3%		-2.3%	
	2016-2025				0.4%					0.5%					0.5%	
	2026-2035				0.6%					0.6%					0.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.32 MW beginning Jan-20



FMPA 2016 Load Forecast - Low Economic Case

**Total Agency - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										597,704	497,864	525,727	1,621,295	0
	2006	523,642	491,437	514,859	560,031	636,340	683,902	737,848	759,636	674,751	603,361	502,247	522,974	7,211,027	7,203,740
	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,907	7,245,590	7,209,394
	2008	529,762	492,675	514,392	530,459	640,853	675,912	686,935	695,491	660,355	566,772	477,857	494,091	6,965,553	7,091,611
	2009	528,264	473,740	494,601	506,423	600,300	673,873	686,248	700,872	644,244	610,589	471,274	503,282	6,893,710	6,847,285
	2010	535,543	445,540	426,447	423,972	563,025	623,703	645,916	637,838	581,933	481,779	408,321	524,963	6,298,980	6,469,062
	2011	461,335	393,793	424,620	488,193	537,767	588,106	623,766	644,115	570,519	460,766	410,067	418,993	6,022,040	6,147,277
	2012	438,988	405,060	451,583	458,392	543,656	545,599	623,149	603,756	554,351	504,602	398,605	435,593	5,963,334	5,914,360
	2013	428,865	400,438	432,242	463,445	507,457	573,259	581,975	626,296	562,210	516,187	427,182	440,420	5,959,977	5,914,988
	2014	458,798	376,082	396,665	423,785	497,285	521,770	571,164	591,892	512,362	461,946	387,082	412,653	5,611,484	5,733,592
	2015	423,859	391,814	433,884	469,172	526,875	564,009	585,493	583,880	536,385	475,647	399,804	438,646	5,829,467	5,777,052
Projected	2016	447,432	393,173	412,403	433,280	492,918	546,161	588,382	596,221	528,812	474,288	402,839	439,378	5,755,287	5,752,879
	2017	447,919	390,638	413,579	433,288	493,608	546,292	588,283	596,674	528,710	474,606	403,274	440,034	5,756,904	5,755,495
	2018	448,548	391,124	413,906	433,671	494,220	546,921	589,221	597,872	529,884	475,734	404,275	441,221	5,766,597	5,763,281
	2019	449,872	392,293	415,177	435,060	495,960	548,910	591,475	600,285	532,117	477,818	406,063	443,261	5,788,294	5,782,382
	2020	450,988	397,280	416,143	436,222	497,537	550,851	593,698	602,624	534,149	479,567	407,366	444,817	5,811,242	5,806,634
	2021	453,695	395,624	418,682	438,864	500,671	554,357	597,534	606,544	537,619	482,679	409,931	447,646	5,843,845	5,835,339
	2022	456,621	398,153	421,335	441,605	503,909	557,952	601,442	610,508	541,104	485,783	412,476	450,432	5,881,322	5,872,885
	2023	459,481	400,622	423,941	444,296	507,079	561,464	605,255	614,387	544,526	488,846	415,012	453,231	5,918,139	5,909,742
	2024	462,347	407,281	426,543	446,984	510,240	564,969	609,059	618,260	547,945	491,908	417,546	456,028	5,959,111	5,950,717
	2025	465,223	405,584	429,213	449,746	513,491	568,576	612,973	622,239	551,451	495,040	420,131	458,870	5,992,536	5,983,977
Projected	2026	468,138	408,103	431,878	452,508	516,739	572,179	616,885	626,224	554,972	498,200	422,754	461,761	6,030,338	6,021,665
	2027	471,089	410,655	434,584	455,308	520,010	575,798	620,794	630,193	558,469	501,328	425,348	464,610	6,068,186	6,059,615
	2028	474,001	417,534	437,251	458,073	523,241	579,382	624,672	634,134	561,943	504,432	427,920	467,434	6,110,016	6,101,516
	2029	476,877	415,657	439,903	460,808	526,425	582,900	628,463	637,971	565,313	507,431	430,406	470,162	6,142,318	6,134,104
	2030	479,659	418,049	442,423	463,408	529,455	586,245	632,062	641,610	568,499	510,258	432,739	472,712	6,177,119	6,169,410
	2031	482,237	420,258	444,759	465,812	532,253	589,327	635,373	644,964	571,447	512,889	434,939	475,144	6,209,402	6,202,139
	2032	484,720	426,918	447,055	468,205	535,070	592,466	638,786	648,458	574,545	515,674	437,273	477,731	6,246,900	6,239,194
	2033	487,369	424,712	449,524	470,761	538,077	595,805	642,402	652,133	577,778	518,551	439,661	480,354	6,277,129	6,269,240
	2034	490,057	427,027	451,966	473,288	541,052	599,111	645,989	655,785	580,996	521,424	442,048	482,985	6,311,728	6,303,838
	2035	492,759	429,362	454,440	475,850	544,071	602,471	649,637	659,499	584,269	518,484	439,057	479,802	6,329,702	6,338,814

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.1%	7.8%	8.8%	9.5%	10.2%	10.5%	9.4%	8.4%	7.0%	7.3%	100.0%
	2007	7.4%	6.8%	7.2%	7.3%	8.4%	9.3%	10.2%	10.9%	9.4%	8.0%	6.8%	7.2%	100.0%
	2008	7.6%	7.1%	7.4%	7.6%	9.2%	9.7%	9.9%	10.0%	9.5%	8.1%	6.9%	7.1%	100.0%
	2009	7.7%	6.9%	7.2%	7.3%	8.7%	9.8%	10.0%	10.2%	9.3%	8.9%	6.8%	7.3%	100.0%
	2010	8.5%	7.1%	6.8%	6.7%	8.9%	9.9%	10.3%	10.1%	9.2%	7.6%	6.5%	8.3%	100.0%
	2011	7.7%	6.5%	7.1%	8.1%	8.9%	9.8%	10.4%	10.7%	9.5%	7.7%	6.8%	7.0%	100.0%
	2012	7.4%	6.8%	7.6%	7.7%	9.1%	9.1%	10.4%	10.1%	9.3%	8.5%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.3%	7.8%	8.5%	9.6%	9.8%	10.5%	9.4%	8.7%	7.2%	7.4%	100.0%
	2014	8.2%	6.7%	7.1%	7.6%	8.9%	9.3%	10.2%	10.5%	9.1%	8.2%	6.9%	7.4%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	9.0%	9.7%	10.0%	10.0%	9.2%	8.2%	6.9%	7.5%	100.0%
Projected	2016	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.2%	7.0%	7.6%	100.0%
	2017	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.2%	7.0%	7.6%	100.0%
	2018	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.2%	7.0%	7.7%	100.0%
	2019	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2020	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2021	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2022	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2023	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2024	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
	2025	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.9%	9.6%	10.1%	10.4%	9.3%	8.3%	6.8%	7.4%	100.0%
	2016-2025	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.0%	7.7%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



FMPA 2016 Load Forecast - Low Economic Case

**Total Agency - Supplied**

**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										1,327.6	1,036.5	1,086.2	0.0	0.0
	2006	1,175.3	1,421.0	1,072.5	1,285.4	1,358.6	1,425.0	1,477.0	1,505.3	1,408.3	1,307.7	1,084.7	1,081.7	1,421.0	1,505.3
	2007	1,223.5	1,315.1	1,117.2	1,245.1	1,262.8	1,416.5	1,498.9	1,546.9	1,443.1	1,348.5	1,067.5	1,072.9	1,315.1	1,546.9
	2008	1,353.3	1,137.6	1,063.8	1,124.1	1,329.8	1,443.8	1,431.4	1,474.9	1,377.9	1,206.7	1,107.4	1,079.2	1,353.3	1,474.9
	2009	1,422.6	1,462.1	1,116.5	1,090.0	1,291.3	1,495.8	1,410.4	1,417.7	1,329.3	1,350.2	1,067.5	1,063.0	1,462.1	1,495.8
	2010	1,426.5	1,090.8	1,020.7	884.5	1,146.9	1,304.9	1,290.8	1,290.7	1,235.1	1,078.0	913.8	1,293.0	1,426.5	1,304.9
	2011	1,186.7	959.1	878.6	1,100.6	1,154.6	1,267.6	1,263.5	1,300.2	1,185.3	1,007.2	881.6	829.5	1,293.0	1,300.2
	2012	1,119.9	1,086.3	905.9	1,036.2	1,147.8	1,221.4	1,250.8	1,236.0	1,189.0	1,114.0	846.1	913.6	1,119.9	1,250.8
	2013	886.9	1,072.3	1,069.8	1,006.7	1,099.7	1,228.1	1,212.8	1,258.0	1,208.7	1,107.3	953.6	903.5	1,072.3	1,258.0
	2014	1,071.5	922.0	817.8	1,005.3	1,075.0	1,134.0	1,176.1	1,216.5	1,157.3	1,034.7	961.8	879.0	1,071.5	1,216.5
	2015	927.9	1,149.5	907.0	1,016.2	1,131.0	1,229.4	1,199.5	1,215.3	1,170.4	1,047.4	847.3	868.1	1,149.5	1,229.4
Projected	2016	1,117.8	1,071.5	880.6	948.6	1,092.0	1,188.5	1,196.6	1,225.7	1,145.8	1,039.8	842.7	868.3	1,117.8	1,225.7
	2017	1,118.2	1,071.8	880.8	948.9	1,092.3	1,188.8	1,196.9	1,226.0	1,146.1	1,040.1	844.6	869.8	1,118.2	1,226.0
	2018	1,120.3	1,073.7	882.3	950.6	1,094.3	1,191.0	1,199.1	1,228.3	1,148.2	1,042.0	847.2	872.9	1,120.3	1,228.3
	2019	1,124.5	1,077.5	885.7	954.2	1,098.5	1,195.6	1,203.7	1,233.1	1,152.6	1,046.1	852.1	878.1	1,124.5	1,233.1
	2020	1,129.7	1,081.9	889.4	958.6	1,103.8	1,201.4	1,209.5	1,239.2	1,158.2	1,051.1	855.2	881.2	1,129.7	1,239.2
	2021	1,135.9	1,087.7	894.3	964.1	1,110.1	1,208.3	1,216.4	1,246.3	1,164.9	1,057.1	860.7	886.6	1,135.9	1,246.3
	2022	1,143.2	1,094.4	900.0	970.5	1,117.4	1,216.2	1,224.4	1,254.4	1,172.5	1,064.1	866.1	892.0	1,143.2	1,254.4
	2023	1,150.3	1,101.0	905.5	976.7	1,124.5	1,223.9	1,232.2	1,262.5	1,180.0	1,071.0	872.0	898.0	1,150.3	1,262.5
	2024	1,158.2	1,108.3	911.7	983.6	1,132.5	1,232.6	1,240.8	1,271.4	1,188.4	1,078.6	876.8	902.8	1,158.2	1,271.4
	2025	1,164.6	1,114.3	916.8	989.2	1,138.9	1,239.6	1,247.9	1,278.7	1,195.2	1,084.8	882.2	908.3	1,164.6	1,278.7
Projected	2026	1,171.9	1,121.1	922.5	995.6	1,146.3	1,247.6	1,255.9	1,286.9	1,202.9	1,091.8	887.7	913.8	1,171.9	1,286.9
	2027	1,179.1	1,127.9	928.3	1,001.9	1,153.6	1,255.5	1,263.9	1,295.2	1,210.6	1,098.8	893.7	919.9	1,179.1	1,295.2
	2028	1,187.2	1,135.4	934.6	1,009.0	1,161.7	1,264.3	1,272.7	1,304.2	1,219.1	1,106.6	898.4	924.6	1,187.2	1,304.2
	2029	1,193.4	1,141.3	939.5	1,014.4	1,167.9	1,271.1	1,279.5	1,311.3	1,225.6	1,112.5	903.6	929.7	1,193.4	1,311.3
	2030	1,200.2	1,147.6	944.8	1,020.3	1,174.6	1,278.4	1,286.9	1,318.8	1,232.7	1,119.0	908.3	934.4	1,200.2	1,318.8
	2031	1,206.4	1,153.5	949.7	1,025.7	1,180.9	1,285.2	1,293.7	1,325.9	1,239.3	1,125.0	913.7	939.9	1,206.4	1,325.9
	2032	1,213.8	1,160.3	955.4	1,032.0	1,188.1	1,293.1	1,301.7	1,334.1	1,247.0	1,131.9	918.1	944.3	1,213.8	1,334.1
	2033	1,219.6	1,165.9	960.0	1,037.1	1,194.0	1,299.5	1,308.1	1,340.7	1,253.1	1,137.5	923.2	949.5	1,219.6	1,340.7
	2034	1,226.4	1,172.3	965.3	1,042.9	1,200.7	1,306.8	1,315.5	1,348.2	1,260.2	1,144.0	928.3	954.6	1,226.4	1,348.2
	2035	1,233.3	1,178.7	970.6	1,048.8	1,207.5	1,314.2	1,322.9	1,355.9	1,267.4	1,136.7	922.9	947.7	1,233.3	1,355.9

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.5%	64.6%	67.2%		
	2006	59.9%	51.5%	64.5%	58.6%	69.7%	64.5%	69.4%	67.8%	66.5%	62.0%	62.2%	67.1%	57.9%	54.7%
	2007	58.9%	55.5%	63.1%	57.4%	72.1%	63.7%	68.3%	68.9%	65.9%	65.0%	62.0%	67.3%	62.9%	53.5%
	2008	52.6%	62.2%	65.0%	63.4%	71.7%	62.9%	66.7%	63.4%	66.6%	63.1%	58.0%	63.6%	58.8%	53.9%
	2009	49.9%	48.2%	59.5%	62.4%	69.2%	60.6%	67.6%	66.4%	67.3%	60.8%	59.3%	65.8%	53.8%	52.6%
	2010	50.5%	60.8%	56.2%	64.4%	73.0%	64.2%	69.5%	66.4%	65.4%	60.1%	60.1%	56.4%	50.4%	55.1%
	2011	52.3%	61.1%	65.0%	59.6%	69.3%	62.4%	68.6%	66.6%	66.8%	61.5%	62.5%	70.2%	53.2%	52.9%
	2012	52.7%	53.6%	67.0%	59.5%	70.5%	60.0%	69.2%	65.7%	64.8%	60.9%	63.3%	66.2%	60.8%	54.4%
	2013	65.0%	55.6%	54.3%	61.9%	68.7%	62.7%	66.6%	66.9%	64.6%	62.7%	60.2%	67.7%	63.4%	54.1%
	2014	57.6%	60.7%	65.2%	56.7%	68.8%	61.8%	67.4%	65.4%	61.5%	60.0%	54.1%	65.2%	59.8%	52.7%
	2015	61.4%	50.7%	64.3%	62.1%	69.3%	61.7%	67.8%	64.6%	63.7%	61.0%	63.4%	70.2%	57.9%	54.1%
Projected	2016	53.8%	52.7%	62.9%	61.4%	67.2%	61.8%	68.3%	65.4%	64.1%	61.3%	64.3%	70.3%	58.8%	53.6%
	2017	53.8%	54.2%	63.1%	61.4%	67.2%	61.8%	68.3%	65.4%	64.1%	61.3%	64.2%	70.3%	58.8%	53.6%
	2018	53.8%	54.2%	63.1%	61.3%	67.2%	61.7%	68.3%	65.4%	64.1%	61.4%	64.1%	70.2%	58.8%	53.6%
	2019	53.8%	54.2%	63.0%	61.3%	67.2%	61.7%	68.2%	65.4%	64.1%	61.4%	64.0%	70.1%	58.8%	53.6%
	2020	53.7%	52.8%	62.9%	61.2%	67.1%	61.6%	68.2%	65.4%	64.1%	61.3%	64.0%	70.1%	58.7%	53.5%
	2021	53.7%	54.1%	62.9%	61.2%	67.1%	61.7%	68.2%	65.4%	64.1%	61.4%	64.0%	70.1%	58.7%	53.5%
	2022	53.7%	54.1%	62.9%	61.2%	67.1%	61.7%	68.2%	65.4%	64.1%	61.4%	64.0%	70.1%	58.7%	53.5%
	2023	53.7%	54.1%	62.9%	61.1%	67.1%	61.7%	68.2%	65.4%	64.1%	61.4%	64.0%	70.1%	58.7%	53.5%
	2024	53.7%	52.8%	62.9%	61.1%	67.0%	61.6%	68.2%	65.4%	64.0%	61.3%	64.0%	70.2%	58.7%	53.5%
	2025	53.7%	54.2%	62.9%	61.1%	67.1%	61.6%	68.2%	65.4%	64.1%	61.3%	64.0%	70.2%	58.7%	53.5%
Avg.	2006-2015	56.1%	56.0%	62.4%	60.6%	70.2%	62.5%	68.1%	66.2%	65.3%	61.7%	60.5%	66.0%	57.9%	53.8%
	2016-2025	53.7%	53.7%	63.0%	61.2%	67.1%	61.7%	68.2%	65.4%	64.1%	61.3%	64.1%	70.2%	58.7%	53.5%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Low Economic Case

**Total Agency - Supplied**

**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,070.1	1,401.3	1,020.5	1,231.8	1,286.3	1,396.7	1,447.4	1,477.7	1,341.8	1,266.6	998.3	962.0	1,401.3	1,477.7
	2007	1,164.9	1,202.3	996.2	1,127.3	1,245.0	1,365.4	1,465.0	1,521.2	1,415.8	1,295.5	1,026.4	958.1	1,202.3	1,521.2
	2008	1,330.2	1,051.7	1,012.3	1,078.2	1,285.9	1,405.8	1,405.4	1,450.1	1,318.5	1,147.4	1,008.6	1,021.9	1,330.2	1,450.1
	2009	1,406.3	1,418.5	1,059.2	1,030.3	1,270.9	1,481.7	1,350.6	1,380.7	1,292.9	1,324.9	952.9	974.0	1,418.5	1,481.7
	2010	1,412.0	1,053.7	999.7	839.7	1,087.3	1,272.1	1,255.1	1,263.0	1,170.9	1,048.7	844.1	1,258.3	1,412.0	1,272.1
	2011	1,168.7	900.6	807.1	1,067.7	1,112.3	1,239.2	1,214.4	1,258.2	1,124.9	990.4	852.3	750.1	1,258.3	1,258.2
	2012	1,096.7	1,038.9	871.7	993.3	1,091.1	1,146.8	1,203.3	1,188.3	1,143.4	1,087.3	747.0	830.0	1,096.7	1,203.3
	2013	772.0	1,003.2	1,009.9	958.2	1,073.6	1,176.8	1,156.6	1,222.0	1,164.9	1,067.9	906.6	820.2	1,009.9	1,222.0
	2014	996.9	847.6	703.0	998.1	1,051.7	1,106.0	1,125.7	1,185.1	1,092.9	1,015.0	827.7	795.4	996.9	1,185.1
	2015	850.7	1,128.5	856.5	953.8	1,102.4	1,194.4	1,144.2	1,172.3	1,136.9	1,022.3	775.0	805.5	1,128.5	1,194.4
Projected	2016	1,061.0	1,023.2	817.3	915.4	1,060.9	1,156.9	1,152.5	1,195.9	1,106.9	1,014.9	770.8	805.7	1,061.0	1,195.9
	2017	1,061.3	1,023.5	817.5	915.6	1,061.2	1,157.2	1,152.8	1,196.2	1,107.2	1,015.1	772.7	807.1	1,061.3	1,196.2
	2018	1,063.5	1,025.5	819.0	917.3	1,063.1	1,159.4	1,154.9	1,198.5	1,109.2	1,017.0	775.1	810.1	1,063.5	1,198.5
	2019	1,067.6	1,029.3	822.1	920.9	1,067.3	1,164.0	1,159.4	1,203.2	1,113.6	1,021.0	779.7	815.0	1,067.6	1,203.2
	2020	1,072.6	1,033.8	825.5	925.1	1,072.4	1,169.7	1,165.0	1,209.2	1,119.0	1,025.9	782.5	817.8	1,072.6	1,209.2
	2021	1,078.5	1,039.4	830.2	930.5	1,078.5	1,176.4	1,171.7	1,216.2	1,125.5	1,031.9	787.6	823.0	1,078.5	1,216.2
	2022	1,085.5	1,046.0	835.5	936.6	1,085.6	1,184.2	1,179.4	1,224.2	1,132.9	1,038.7	792.6	828.1	1,085.5	1,224.2
	2023	1,092.4	1,052.4	840.8	942.7	1,092.6	1,191.8	1,187.0	1,232.2	1,140.2	1,045.4	798.2	833.7	1,092.4	1,232.2
	2024	1,100.0	1,059.6	846.7	949.5	1,100.4	1,200.3	1,195.4	1,241.0	1,148.4	1,052.9	802.6	838.3	1,100.0	1,241.0
	2025	1,106.2	1,065.5	851.5	954.9	1,106.7	1,207.3	1,202.3	1,248.2	1,155.0	1,059.0	807.7	843.5	1,106.2	1,248.2
Projected	2026	1,113.2	1,072.0	856.8	961.1	1,113.9	1,215.1	1,210.0	1,256.2	1,162.5	1,065.9	812.7	848.6	1,113.2	1,256.2
	2027	1,120.1	1,078.6	862.2	967.3	1,121.0	1,222.9	1,217.7	1,264.3	1,169.9	1,072.7	818.3	854.4	1,120.1	1,264.3
	2028	1,127.9	1,085.9	868.2	974.2	1,128.9	1,231.5	1,226.3	1,273.3	1,178.2	1,080.3	822.7	858.8	1,127.9	1,273.3
	2029	1,133.8	1,091.6	872.8	979.5	1,135.0	1,238.2	1,232.9	1,280.2	1,184.6	1,086.2	827.5	863.6	1,133.8	1,280.2
	2030	1,140.3	1,097.8	877.8	985.2	1,141.5	1,245.4	1,240.1	1,287.6	1,191.5	1,092.5	831.9	868.1	1,140.3	1,287.6
	2031	1,146.3	1,103.6	882.4	990.4	1,147.6	1,252.0	1,246.7	1,294.5	1,197.8	1,098.4	837.0	873.3	1,146.3	1,294.5
	2032	1,153.4	1,110.3	887.8	996.6	1,154.7	1,259.8	1,254.4	1,302.6	1,205.3	1,105.2	841.0	877.5	1,153.4	1,302.6
	2033	1,159.1	1,115.7	892.2	1,001.5	1,160.4	1,266.1	1,260.6	1,309.1	1,211.3	1,110.7	845.7	882.3	1,159.1	1,309.1
	2034	1,165.6	1,121.9	897.1	1,007.1	1,167.0	1,273.3	1,267.8	1,316.6	1,218.1	1,117.0	850.5	887.2	1,165.6	1,316.6
	2035	1,172.2	1,128.2	902.2	1,012.9	1,173.6	1,280.5	1,275.0	1,324.1	1,225.1	1,109.8	845.7	881.2	1,172.2	1,324.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.7%	97.6%	93.1%		
	2006	91.0%	98.6%	95.1%	95.8%	94.7%	98.0%	98.0%	98.2%	95.3%	96.9%	92.0%	88.9%	98.6%	98.2%
	2007	95.2%	91.4%	89.2%	90.5%	98.6%	96.4%	97.7%	98.3%	98.1%	96.1%	96.1%	89.3%	91.4%	98.3%
	2008	98.3%	92.4%	95.2%	95.9%	96.7%	97.4%	98.2%	98.3%	95.7%	95.1%	91.1%	94.7%	98.3%	98.3%
	2009	98.9%	97.0%	94.9%	94.5%	98.4%	99.1%	95.8%	97.4%	97.3%	98.1%	89.3%	91.6%	97.0%	99.1%
	2010	99.0%	96.6%	97.9%	94.9%	94.8%	97.5%	97.2%	97.8%	94.8%	97.3%	92.4%	97.3%	99.0%	97.5%
	2011	98.5%	93.9%	91.9%	97.0%	96.3%	97.8%	96.1%	96.8%	94.9%	98.3%	96.7%	90.4%	97.3%	96.8%
	2012	97.9%	95.6%	96.2%	95.9%	95.1%	93.9%	96.2%	96.1%	96.2%	97.6%	88.3%	90.8%	97.9%	96.2%
	2013	87.0%	93.6%	94.4%	95.2%	97.6%	95.8%	95.4%	97.1%	96.4%	96.4%	95.1%	90.8%	94.2%	97.1%
	2014	93.0%	91.9%	86.0%	99.3%	97.8%	97.5%	95.7%	97.4%	94.4%	98.1%	86.1%	90.5%	93.0%	97.4%
	2015	91.7%	98.2%	94.4%	93.9%	97.5%	97.2%	95.4%	96.5%	97.1%	97.6%	91.5%	92.8%	98.2%	97.2%
Projected	2016	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2017	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2018	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2019	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2020	94.9%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2021	94.9%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2022	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2023	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2024	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2025	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2006-2015	95.1%	94.9%	93.5%	95.3%	96.8%	97.0%	96.6%	97.4%	96.0%	97.2%	91.8%	91.7%	96.5%	97.6%
	2016-2025	94.9%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Low Economic Case  
**FP&L Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	3,703,464	-	3,680,394	-	-0.6%	707.5	-	637.1	-	-9.9%	730.4	-	749.7		2.6%
	2007	3,720,003	0.4%	3,683,027	0.1%	-1.0%	588.1	-16.9%	643.2	1.0%	9.4%	750.9	2.8%	746.3	-0.4%	-0.6%
	2008	3,682,412	-1.0%	3,638,648	-1.2%	-1.2%	670.8	14.1%	686.5	6.7%	2.3%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,497,283	-3.9%	-0.6%	709.9	5.8%	645.6	-6.0%	-9.1%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,913,810	-16.7%	-4.3%	631.0	-11.1%	513.0	-20.5%	-18.7%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,705,162	-7.2%	-3.6%	544.4	-13.7%	543.7	6.0%	-0.1%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,722,708	0.6%	0.5%	469.7	-13.7%	479.3	-11.8%	2.1%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,707,919	-0.5%	0.5%	425.0	-9.5%	444.9	-7.2%	4.7%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,104	-11.6%	-1.7%	384.4	-9.5%	431.1	-3.1%	12.1%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,321,378	-3.1%	-1.9%	456.4	18.7%	405.2	-6.0%	-11.2%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,375,493	0.4%	2,375,493	2.3%		400.6	-12.2%	400.6	-1.1%		457.4	2.9%	457.4	-2.0%	
	2017			2,378,075	0.1%				400.8	0.0%				457.5	0.0%	
	2018			2,375,277	-0.1%				400.6	0.0%				457.1	-0.1%	
	2019			2,375,880	0.0%				400.9	0.1%				457.4	0.1%	
	2020			2,371,482	-0.2%				400.4	-0.1%				456.8	-0.1%	
	2021			2,374,538	0.1%				401.3	0.2%				458.0	0.3%	
	2022			2,380,981	0.3%				402.5	0.3%				459.2	0.3%	
	2023			2,386,925	0.2%				403.5	0.3%				460.4	0.2%	
	2024			2,393,111	0.3%				404.6	0.3%				461.5	0.3%	
	2025			2,399,189	0.3%				405.6	0.2%				462.7	0.3%	
	2026			2,405,774	0.3%				406.7	0.3%				464.0	0.3%	
	2027			2,413,166	0.3%				408.0	0.3%				465.5	0.3%	
	2028			2,421,206	0.3%				409.3	0.3%				467.0	0.3%	
	2029			2,428,786	0.3%				410.5	0.3%				468.4	0.3%	
	2030			2,435,994	0.3%				411.8	0.3%				469.8	0.3%	
	2031			2,442,361	0.3%				412.9	0.3%				471.0	0.3%	
	2032			2,449,179	0.3%				414.2	0.3%				472.4	0.3%	
	2033			2,455,957	0.3%				415.4	0.3%				473.7	0.3%	
	2034			2,462,993	0.3%				416.8	0.3%				475.1	0.3%	
	2035			2,469,995	0.3%				418.1	0.3%				476.5	0.3%	
CAGR <sup>[3]</sup>	2006-2015		-4.9%		-5.0%			-4.8%		-4.9%			-5.4%		-5.1%	
	2016-2025				0.1%					0.1%					0.1%	
	2026-2035				0.3%					0.3%					0.3%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.32 MW beginning Jan-20

**FMPA 2016 Load Forecast - Low Economic Case**

**FP&L Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										309,339	262,335	268,296	839,971	0
	2006	267,425	249,766	266,501	289,289	325,785	353,245	378,834	385,156	347,493	315,940	261,151	270,907	3,711,492	3,703,464
	2007	279,391	249,892	271,428	275,189	315,689	343,085	378,864	404,181	354,285	344,599	256,791	270,984	3,744,378	3,720,003
	2008	272,016	258,524	270,108	275,057	331,465	349,761	353,078	359,363	340,667	296,956	245,657	251,982	3,604,633	3,682,412
	2009	266,814	239,310	254,063	262,868	309,211	340,526	354,152	362,606	332,572	318,362	249,900	260,088	3,550,472	3,516,717
	2010	239,936	196,901	193,987	193,429	255,495	285,396	294,077	290,396	266,902	222,076	188,245	229,044	2,855,884	3,044,869
	2011	209,012	180,449	196,232	225,664	249,124	267,493	286,323	292,471	259,771	216,575	192,071	192,271	2,767,453	2,805,902
	2012	197,794	187,479	206,843	206,993	244,678	252,612	284,965	274,837	252,594	233,692	181,737	197,699	2,721,923	2,709,712
	2013	196,118	182,394	194,421	211,947	230,928	261,547	266,045	283,574	253,653	238,380	200,557	202,386	2,721,950	2,693,753
	2014	187,229	159,573	167,998	174,913	203,678	214,694	235,507	242,749	209,660	191,583	158,846	167,343	2,313,772	2,437,324
	2015	173,824	159,676	177,850	191,364	213,975	229,122	243,920	240,108	218,819	198,887	168,455	177,384	2,393,384	2,366,430
Projected	2016	182,893	162,264	169,120	181,451	201,771	224,659	243,865	244,651	220,095	198,070	169,575	178,451	2,376,864	2,375,493
	2017	183,635	162,657	169,576	181,690	201,859	224,667	243,706	244,384	219,806	197,881	169,504	178,382	2,377,746	2,378,075
	2018	183,547	162,388	169,261	181,377	201,516	224,269	243,330	244,153	219,669	197,780	169,454	178,361	2,375,106	2,375,277
	2019	183,525	162,384	169,283	181,426	201,601	224,378	243,469	244,338	219,881	198,014	169,699	178,663	2,376,660	2,375,880
	2020	182,807	161,900	168,519	180,783	200,985	223,859	242,973	243,868	219,412	197,480	169,106	178,073	2,369,766	2,371,482
	2021	183,275	162,162	168,972	181,272	201,532	224,471	243,637	244,538	220,021	198,026	169,580	178,579	2,376,065	2,374,538
	2022	183,797	162,614	169,421	181,756	202,071	225,074	244,284	245,182	220,596	198,532	170,006	179,020	2,382,353	2,380,981
	2023	184,258	163,014	169,830	182,198	202,569	225,638	244,899	245,803	221,160	199,035	170,440	179,481	2,388,324	2,386,925
	2024	184,739	163,581	170,247	182,647	203,074	226,207	245,516	246,424	221,720	199,534	170,864	179,927	2,394,480	2,393,111
	2025	185,206	163,836	170,690	183,124	203,610	226,814	246,175	247,088	222,321	200,068	171,320	180,407	2,400,659	2,399,189
Projected	2026	185,711	164,279	171,142	183,616	204,165	227,448	246,867	247,791	222,962	200,647	171,817	180,935	2,407,379	2,405,774
	2027	186,265	164,768	171,655	184,176	204,795	228,169	247,654	248,593	223,692	201,307	172,383	181,534	2,414,991	2,413,166
	2028	186,886	165,459	172,209	184,773	205,457	228,918	248,462	249,402	224,417	201,947	172,923	182,094	2,422,946	2,421,206
	2029	187,471	165,814	172,759	185,362	206,116	229,666	249,272	250,216	225,146	202,589	173,467	182,665	2,430,543	2,428,786
	2030	188,063	166,319	173,263	185,896	206,710	230,335	249,987	250,926	225,773	203,133	173,922	183,132	2,437,460	2,435,994
	2031	188,554	166,740	173,699	186,366	207,242	230,946	250,650	251,598	226,379	203,670	174,388	183,629	2,443,861	2,442,361
	2032	189,076	167,339	174,157	186,861	207,807	231,591	251,347	252,303	227,011	204,225	174,865	184,131	2,450,714	2,449,179
	2033	189,604	167,640	174,642	187,380	208,399	232,268	252,081	253,046	227,675	204,806	175,366	184,662	2,457,569	2,455,957
	2034	190,168	168,121	175,121	187,894	208,987	232,942	252,812	253,783	228,333	205,379	175,857	185,180	2,464,576	2,462,993
	2035	190,717	168,590	175,600	188,408	209,576	233,618	253,545	254,527	228,998	200,102	170,945	179,860	2,454,486	2,469,995

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.7%	7.2%	7.8%	8.8%	9.5%	10.2%	10.4%	9.4%	8.5%	7.0%	7.3%	100.0%
	2007	7.5%	6.7%	7.2%	7.3%	8.4%	9.2%	10.1%	10.8%	9.5%	9.2%	6.9%	7.2%	100.0%
	2008	7.5%	7.2%	7.5%	7.6%	9.2%	9.7%	9.8%	10.0%	9.5%	8.2%	6.8%	7.0%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.7%	9.6%	10.0%	10.2%	9.4%	9.0%	7.3%	7.0%	100.0%
	2010	8.4%	6.9%	6.8%	6.8%	8.9%	10.0%	10.3%	10.2%	9.3%	7.8%	6.6%	8.0%	100.0%
	2011	7.6%	6.5%	7.1%	8.2%	9.0%	9.7%	10.3%	10.6%	9.4%	7.8%	6.9%	6.9%	100.0%
	2012	7.3%	6.9%	7.6%	7.6%	9.0%	9.3%	10.5%	10.1%	9.3%	8.6%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.1%	7.8%	8.5%	9.6%	9.8%	10.4%	9.3%	8.8%	7.4%	7.4%	100.0%
	2014	8.1%	6.9%	7.3%	7.6%	8.8%	9.3%	10.2%	10.5%	9.1%	8.3%	6.9%	7.2%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	8.9%	9.6%	10.2%	10.0%	9.1%	8.3%	7.0%	7.4%	100.0%
Projected	2016	7.7%	6.8%	7.1%	7.6%	8.5%	9.5%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2017	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.3%	7.1%	7.5%	100.0%
	2018	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.3%	7.1%	7.5%	100.0%
	2019	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.2%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2020	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2021	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2022	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2023	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2024	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
	2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.1%	10.3%	9.3%	8.4%	6.9%	7.3%	100.0%
	2016-2025	7.7%	6.8%	7.1%	7.6%	8.5%	9.4%	10.3%	10.3%	9.3%	8.3%	7.1%	7.5%	100.0%

1                      2                      3                      4                      5                      6                      7                      8                      9                      10                      11                      12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Low Economic Case**  
**FP&L Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										689.5	545.0	559.3	0.0	0.0
	2006	601.1	725.9	571.7	640.3	674.3	708.1	735.5	744.2	715.2	653.6	593.7	574.1	725.9	744.2
	2007	633.8	698.1	588.9	593.6	630.4	704.1	753.0	768.2	713.0	679.8	566.5	564.4	698.1	768.2
	2008	693.7	593.6	553.4	569.5	677.4	715.3	716.9	737.2	693.0	617.0	572.8	543.2	693.7	737.2
	2009	704.7	738.4	576.7	555.4	635.5	740.9	710.2	699.4	670.4	671.7	576.8	552.5	738.4	740.9
	2010	641.5	472.7	455.6	399.4	505.1	567.8	561.2	559.5	537.6	469.9	422.4	574.7	641.5	567.8
	2011	517.1	423.2	411.9	473.5	498.9	542.9	550.9	568.1	523.7	455.1	404.6	375.4	574.7	568.1
	2012	487.9	487.6	399.4	449.5	500.1	545.1	552.6	534.3	512.8	485.9	390.0	430.0	487.9	552.6
	2013	411.5	490.6	480.3	444.2	478.7	540.0	525.0	541.5	525.7	492.0	435.7	413.3	490.6	541.5
	2014	446.5	394.1	349.8	383.9	418.3	445.4	470.8	475.7	458.0	405.6	409.8	354.2	446.5	475.7
Projected	2015	384.0	476.8	356.4	417.3	437.7	471.5	478.3	469.9	455.3	405.7	360.6	362.2	476.8	478.3
	2016	444.4	458.9	365.7	376.3	429.1	464.6	477.5	477.7	448.5	406.3	355.9	362.3	458.9	477.7
	2017	444.5	459.0	365.8	376.4	429.2	464.7	477.7	477.9	448.7	406.4	356.1	362.0	459.0	477.9
	2018	444.2	458.7	365.4	376.0	428.8	464.2	477.2	477.4	448.2	406.0	355.8	362.2	458.7	477.4
	2019	444.6	459.0	365.6	376.3	429.1	464.6	477.5	477.8	448.5	406.3	356.4	363.2	459.0	477.8
	2020	444.1	458.1	364.8	375.5	428.5	464.0	477.0	477.2	448.0	405.6	355.7	362.5	458.1	477.2
	2021	445.2	459.3	365.8	376.6	429.6	465.3	478.3	478.5	449.1	406.7	356.7	363.5	459.3	478.5
	2022	446.5	460.5	366.8	377.5	430.7	466.5	479.5	479.7	450.3	407.8	357.7	364.4	460.5	479.7
	2023	447.6	461.6	367.7	378.5	431.8	467.6	480.7	480.9	451.4	408.8	358.7	365.4	461.6	480.9
	2024	448.8	462.8	368.6	379.4	432.9	468.8	481.9	482.2	452.6	409.8	359.5	366.3	462.8	482.2
Projected	2025	449.9	464.0	369.6	380.4	434.0	470.0	483.2	483.4	453.8	410.9	360.5	367.3	464.0	483.4
	2026	451.2	465.3	370.6	381.5	435.2	471.3	484.5	484.7	455.0	412.0	361.6	368.5	465.3	484.7
	2027	452.6	466.7	371.7	382.7	436.6	472.8	486.0	486.3	456.4	413.3	362.8	369.7	466.7	486.3
	2028	454.0	468.2	373.0	383.9	438.0	474.4	487.6	487.8	457.9	414.7	363.9	370.8	468.2	487.8
	2029	455.4	469.7	374.1	385.2	439.4	475.9	489.1	489.4	459.4	416.0	365.1	371.9	469.7	489.4
	2030	456.8	471.1	375.2	386.2	440.6	477.2	490.5	490.8	460.7	417.1	366.1	372.9	471.1	490.8
	2031	458.0	472.4	376.2	387.3	441.8	478.5	491.9	492.1	461.9	418.2	367.1	374.0	472.4	492.1
	2032	459.4	473.8	377.3	388.3	443.0	479.8	493.3	493.4	463.2	419.4	368.2	375.0	473.8	493.4
	2033	460.7	475.3	378.4	389.4	444.3	481.2	494.7	494.9	464.5	420.6	369.3	376.1	475.3	494.9
	2034	462.2	476.8	379.5	390.5	445.6	482.6	496.1	496.3	465.9	421.8	370.3	377.3	476.8	496.3
	2035	463.6	478.2	380.6	391.6	446.8	484.0	497.6	497.7	467.2	409.3	360.3	365.7	478.2	497.7

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.3%	64.7%	66.6%		
	2006	59.8%	51.2%	62.7%	60.7%	71.9%	67.0%	71.5%	69.6%	67.5%	65.0%	59.1%	65.5%	58.4%	56.9%
	2007	59.3%	53.3%	61.9%	62.3%	74.5%	65.5%	69.9%	70.7%	69.0%	68.1%	60.9%	66.7%	61.2%	55.6%
	2008	52.7%	62.6%	65.6%	64.9%	72.8%	65.7%	68.4%	65.5%	68.3%	64.7%	57.6%	64.4%	59.3%	55.8%
	2009	50.9%	48.2%	59.2%	63.6%	72.4%	61.8%	69.3%	69.7%	68.9%	63.7%	58.2%	65.4%	54.9%	54.7%
	2010	50.3%	62.0%	57.2%	65.1%	75.3%	67.6%	72.8%	69.8%	69.0%	63.5%	59.9%	55.4%	50.8%	57.4%
	2011	54.3%	63.5%	64.0%	64.1%	74.3%	66.2%	72.2%	69.2%	68.9%	64.0%	63.8%	71.1%	55.0%	55.6%
	2012	54.5%	55.2%	69.6%	61.9%	72.8%	62.3%	71.6%	69.1%	68.4%	64.6%	62.6%	63.9%	63.7%	56.2%
	2013	64.1%	55.3%	54.4%	64.1%	71.8%	65.1%	70.4%	70.4%	67.0%	65.1%	61.9%	68.0%	63.3%	57.4%
	2014	56.4%	60.2%	64.6%	61.2%	72.5%	64.8%	69.5%	68.6%	63.6%	63.5%	52.1%	65.6%	59.1%	55.5%
	2015	60.8%	49.8%	67.1%	61.6%	72.7%	65.3%	70.8%	68.7%	66.8%	65.9%	62.8%	68.0%	57.3%	57.1%
Projected	2016	55.3%	50.8%	62.2%	64.8%	70.0%	65.0%	70.9%	68.8%	68.2%	65.5%	64.0%	68.4%	59.1%	56.8%
	2017	55.5%	52.7%	62.3%	64.9%	70.0%	65.0%	70.9%	68.7%	68.0%	65.4%	64.0%	68.4%	59.1%	56.8%
	2018	55.5%	52.7%	62.3%	64.8%	69.9%	64.9%	70.8%	68.7%	68.1%	65.5%	64.0%	68.4%	59.1%	56.8%
	2019	55.5%	52.6%	62.2%	64.8%	69.9%	64.9%	70.8%	68.7%	68.1%	65.5%	64.0%	68.3%	59.1%	56.8%
	2020	55.3%	50.8%	62.1%	64.7%	69.8%	64.8%	70.7%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
	2021	55.3%	52.5%	62.1%	64.7%	69.8%	64.8%	70.8%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
	2022	55.3%	52.5%	62.1%	64.7%	69.8%	64.9%	70.8%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
	2023	55.3%	52.5%	62.1%	64.7%	69.8%	64.9%	70.8%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
	2024	55.3%	50.8%	62.1%	64.7%	69.8%	64.9%	70.8%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
	2025	55.3%	52.5%	62.1%	64.7%	69.8%	64.9%	70.8%	68.7%	68.0%	65.4%	63.9%	68.2%	59.1%	56.7%
Avg.	2006-2015	56.3%	56.1%	62.6%	63.0%	73.1%	65.1%	70.6%	69.1%	67.7%	64.8%	59.9%	65.4%	58.3%	56.2%
	2016-2025	55.4%	52.1%	62.1%	64.8%	69.9%	64.9%	70.8%	68.7%	68.1%	65.5%	63.9%	68.3%	59.1%	56.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Low Economic Case**  
**FP&L Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	532.2	707.5	539.6	590.8	649.4	690.5	708.8	730.4	666.9	618.4	532.4	509.7	707.5	730.4
	2007	575.4	588.1	493.9	557.4	619.2	661.7	728.0	750.9	697.5	636.2	542.6	492.1	588.1	750.9
	2008	670.8	508.5	515.3	537.1	660.7	686.2	692.0	719.7	650.8	567.0	512.5	486.3	670.8	719.7
	2009	689.0	709.9	523.0	497.1	616.7	731.3	676.0	673.7	643.7	658.7	507.7	469.9	709.9	731.3
	2010	631.0	449.9	436.3	363.4	455.8	553.1	547.2	552.7	507.9	461.0	385.5	544.4	631.0	553.1
	2011	500.8	365.5	374.8	458.0	465.0	519.7	523.8	534.8	472.2	443.3	385.4	340.4	544.4	534.8
	2012	469.7	440.5	381.5	430.4	470.5	487.5	527.2	502.8	475.1	467.8	343.0	349.1	469.7	527.2
	2013	321.0	423.2	425.0	423.2	466.1	515.3	478.7	524.0	503.5	465.1	408.2	370.8	425.0	524.0
	2014	384.4	331.5	304.0	378.9	404.1	424.2	452.6	452.1	412.6	392.8	322.8	308.9	384.4	452.1
	2015	319.7	456.4	333.9	368.4	434.7	444.3	450.7	438.2	446.2	390.9	317.7	325.6	456.4	444.3
Projected	2016	400.6	413.9	331.4	354.6	413.4	441.6	453.0	457.4	423.9	391.5	313.5	325.6	400.6	457.4
	2017	400.8	414.1	331.5	354.7	413.6	441.7	453.1	457.5	424.0	391.6	313.6	325.4	400.8	457.5
	2018	400.6	413.9	331.2	354.3	413.1	441.3	452.7	457.1	423.6	391.2	313.4	325.6	400.6	457.1
	2019	400.9	414.3	331.5	354.5	413.4	441.6	453.0	457.4	423.9	391.4	314.0	326.5	400.9	457.4
	2020	400.4	413.5	330.6	353.8	412.8	441.0	452.4	456.8	423.2	390.7	313.1	325.7	400.4	456.8
	2021	401.3	414.6	331.4	354.7	413.9	442.2	453.6	458.0	424.4	391.8	314.0	326.6	401.3	458.0
	2022	402.5	415.6	332.3	355.7	414.9	443.3	454.8	459.2	425.5	392.8	314.9	327.5	402.5	459.2
	2023	403.5	416.7	333.1	356.5	416.0	444.4	455.9	460.4	426.5	393.8	315.7	328.3	403.5	460.4
	2024	404.6	417.8	334.0	357.5	417.0	445.6	457.1	461.5	427.6	394.8	316.5	329.1	404.6	461.5
	2025	405.6	418.8	334.9	358.4	418.1	446.7	458.3	462.7	428.7	395.8	317.3	330.1	405.6	462.7
Projected	2026	406.7	420.0	335.8	359.4	419.3	447.9	459.6	464.0	429.9	396.9	318.3	331.1	406.7	464.0
	2027	408.0	421.2	336.8	360.5	420.6	449.3	461.0	465.5	431.2	398.1	319.3	332.2	408.0	465.5
	2028	409.3	422.6	337.9	361.7	422.0	450.8	462.5	467.0	432.6	399.4	320.4	333.2	409.3	467.0
	2029	410.5	423.9	339.0	362.8	423.3	452.2	464.0	468.4	434.0	400.7	321.4	334.2	410.5	468.4
	2030	411.8	425.2	340.0	363.9	424.5	453.5	465.3	469.8	435.2	401.8	322.3	335.1	411.8	469.8
	2031	412.9	426.4	340.9	364.8	425.6	454.7	466.5	471.0	436.4	402.9	323.2	336.1	412.9	471.0
	2032	414.2	427.7	341.9	365.8	426.8	456.0	467.9	472.4	437.6	404.0	324.1	337.1	414.2	472.4
	2033	415.4	429.0	342.9	366.8	428.0	457.3	469.2	473.7	438.9	405.1	325.1	338.1	415.4	473.7
	2034	416.8	430.4	343.9	367.9	429.2	458.6	470.6	475.1	440.1	406.3	326.0	339.2	416.8	475.1
	2035	418.1	431.8	344.9	368.9	430.5	459.9	472.0	476.5	441.4	393.9	317.0	328.8	418.1	476.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.1%	96.6%	87.1%		
	2006	88.5%	97.5%	94.4%	92.3%	96.3%	97.5%	96.4%	98.1%	93.2%	94.6%	89.7%	88.8%	97.5%	98.1%
	2007	90.8%	84.2%	83.9%	93.9%	98.2%	94.0%	96.7%	97.8%	97.8%	93.6%	95.8%	87.2%	84.2%	97.8%
	2008	96.7%	85.7%	93.1%	94.3%	97.5%	95.9%	96.5%	97.6%	93.9%	91.9%	89.5%	89.5%	96.7%	97.6%
	2009	97.8%	96.1%	90.7%	89.5%	97.0%	98.7%	95.2%	96.3%	96.0%	98.1%	88.0%	85.0%	96.1%	98.7%
	2010	98.4%	95.2%	95.7%	91.0%	90.2%	97.4%	97.5%	98.8%	94.5%	98.1%	91.3%	94.7%	98.4%	97.4%
	2011	96.9%	86.4%	91.0%	96.7%	93.2%	95.7%	95.1%	94.1%	90.2%	97.4%	95.2%	90.7%	94.7%	94.1%
	2012	96.3%	90.3%	95.5%	95.7%	94.1%	89.4%	95.4%	94.1%	92.7%	96.3%	88.0%	81.2%	96.3%	95.4%
	2013	78.0%	86.3%	88.5%	95.3%	97.4%	95.4%	91.2%	96.8%	95.8%	94.5%	93.7%	89.7%	86.6%	96.8%
	2014	86.1%	84.1%	86.9%	98.7%	96.6%	95.2%	96.1%	95.0%	90.1%	96.8%	78.8%	87.2%	86.1%	95.0%
	2015	83.3%	95.7%	93.7%	88.3%	99.3%	94.2%	93.3%	93.3%	98.0%	96.3%	88.1%	89.9%	95.7%	92.9%
Projected	2016	90.2%	90.2%	90.6%	94.2%	96.4%	95.1%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2017	90.2%	90.2%	90.6%	94.2%	96.4%	95.1%	94.9%	95.7%	94.5%	96.4%	88.1%	89.9%	87.3%	95.7%
	2018	90.2%	90.2%	90.6%	94.2%	96.4%	95.1%	94.9%	95.7%	94.5%	96.4%	88.1%	89.9%	87.3%	95.7%
	2019	90.2%	90.2%	90.6%	94.2%	96.4%	95.1%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2020	90.1%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2021	90.1%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2022	90.1%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2023	90.1%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2024	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
	2025	90.2%	90.3%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%
2006-2015		91.3%	90.2%	91.3%	93.6%	96.0%	95.4%	95.4%	96.2%	94.2%	95.8%	89.8%	88.4%	93.2%	96.4%
2016-2025		90.2%	90.2%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.4%	95.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



FMPA 2016 Load Forecast - Low Economic Case  
**Duke Energy Florida Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	2,055,682	-	2,038,120	-	-0.9%	416.8	-	412.1	-	-1.1%	434.3	-	459.7		5.9%
	2007	2,035,888	-1.0%	2,049,430	0.6%	0.7%	364.2	-12.6%	386.7	-6.2%	6.2%	449.2	3.4%	438.6	-4.6%	-2.4%
	2008	1,960,379	-3.7%	1,969,045	-3.9%	0.4%	395.4	8.6%	381.5	-1.4%	-3.5%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,556	-1.8%	-0.3%	432.9	9.5%	404.6	6.1%	-6.5%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,090	-2.1%	-5.1%	466.6	7.8%	397.3	-1.8%	-14.9%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,916	-2.3%	-4.2%	416.1	-10.8%	406.0	2.2%	-2.4%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,948	-1.5%	0.0%	381.2	-8.4%	361.3	-11.0%	-5.2%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,620	0.2%	-0.2%	342.2	-10.2%	353.3	-2.2%	3.3%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,924	0.9%	-0.6%	371.1	8.5%	392.4	11.1%	5.7%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,898	0.6%	-2.6%	407.6	9.8%	405.9	3.4%	-0.4%	419.6	3.3%	443.8	7.9%	5.8%
Projected	2016	1,876,906	-1.3%	1,876,906	1.3%		392.3	-3.8%	392.3	-3.4%		406.4	-3.1%	406.4	-8.4%	
	2017			1,877,704	0.0%				392.8	0.1%				407.0	0.1%	
	2018			1,881,190	0.2%				393.6	0.2%				407.8	0.2%	
	2019			1,887,833	0.4%				395.1	0.4%				409.4	0.4%	
	2020			1,897,196	0.5%				397.1	0.5%				411.5	0.5%	
	2021			1,905,271	0.4%				398.8	0.4%				413.3	0.4%	
	2022			1,914,951	0.5%				400.8	0.5%				415.4	0.5%	
	2023			1,925,195	0.5%				403.0	0.5%				417.6	0.5%	
	2024			1,937,133	0.6%				405.5	0.6%				420.2	0.6%	
	2025			1,946,651	0.5%				407.4	0.5%				422.3	0.5%	
	2026			1,957,494	0.6%				409.7	0.6%				424.6	0.6%	
	2027			1,968,585	0.6%				412.0	0.6%				427.0	0.6%	
	2028			1,980,889	0.6%				414.6	0.6%				429.7	0.6%	
	2029			1,990,422	0.5%				416.5	0.5%				431.8	0.5%	
	2030			2,000,998	0.5%				418.7	0.5%				434.0	0.5%	
	2031			2,011,048	0.5%				420.8	0.5%				436.2	0.5%	
	2032			2,022,052	0.5%				423.0	0.5%				438.6	0.5%	
	2033			2,030,358	0.4%				424.8	0.4%				440.4	0.4%	
	2034			2,039,851	0.5%				426.7	0.5%				442.4	0.5%	
	2035			2,049,271	0.5%				428.7	0.5%				444.5	0.5%	
CAGR <sup>[3]</sup>	2006-2015		-0.9%		-1.1%			-0.2%		-0.2%			-0.4%		-0.4%	
	2016-2025				0.4%					0.4%					0.4%	
	2026-2035				0.5%					0.5%					0.5%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.32 MW beginning Jan-20

FMPA 2016 Load Forecast - Low Economic Case

**Duke Energy Florida Cities - Supplied**

**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										167,643	137,892	157,409	462,943	0
	2006	155,704	146,152	146,401	157,322	181,445	191,882	207,167	217,089	189,577	166,850	143,045	148,655	2,051,289	2,055,682
	2007	153,684	143,790	148,751	148,736	172,340	190,674	205,149	223,342	190,872	176,047	137,924	144,504	2,035,813	2,035,888
	2008	153,013	137,244	141,076	147,111	176,933	185,030	190,577	189,513	181,407	154,821	137,073	143,509	1,937,308	1,960,379
	2009	159,379	141,894	141,979	139,972	167,009	192,539	189,754	191,240	180,729	167,870	128,831	145,529	1,946,724	1,939,898
	2010	176,160	148,675	136,810	134,621	178,818	195,352	200,598	199,701	181,087	147,779	129,686	176,651	2,005,939	1,994,053
	2011	152,375	126,194	131,429	147,730	169,503	183,822	188,565	201,342	175,698	137,798	125,307	132,269	1,872,030	1,930,773
	2012	142,196	125,894	139,027	142,877	169,382	164,976	186,229	183,698	170,677	152,038	126,540	137,410	1,840,943	1,820,328
	2013	135,758	126,422	136,897	141,458	156,355	174,618	175,873	189,899	174,475	153,896	127,773	135,566	1,828,991	1,827,744
	2014	161,655	125,071	129,480	138,377	163,443	171,918	185,775	193,339	167,658	149,219	131,467	140,713	1,858,115	1,853,952
	2015	146,342	135,477	142,180	151,137	172,147	185,413	185,670	190,005	172,729	151,912	129,554	150,543	1,913,108	1,902,497
Projected	2016	150,574	130,025	136,626	142,295	159,000	178,253	186,971	192,872	168,281	149,889	130,700	150,362	1,875,848	1,876,906
	2017	151,026	129,249	137,354	142,173	159,639	178,339	187,207	193,423	168,342	150,164	130,913	150,628	1,878,457	1,877,704
	2018	151,295	129,540	137,495	142,341	159,919	178,588	187,625	193,897	168,785	150,577	131,276	151,049	1,882,387	1,881,190
	2019	151,836	129,985	137,929	142,827	160,505	179,268	188,375	194,698	169,509	151,221	131,820	151,656	1,889,628	1,887,833
	2020	152,488	131,784	138,502	143,433	161,205	180,056	189,206	195,560	170,265	151,913	132,429	152,375	1,899,216	1,897,196
	2021	153,236	131,170	139,181	144,143	162,014	180,969	190,163	196,550	171,128	152,680	133,089	153,135	1,907,458	1,905,271
	2022	154,012	131,828	139,880	144,872	162,843	181,899	191,138	197,560	172,015	153,473	133,779	153,929	1,917,228	1,914,951
	2023	154,822	132,522	140,621	145,649	163,725	182,890	192,179	198,642	172,963	154,322	134,517	154,779	1,927,631	1,925,195
	2024	155,684	134,534	141,392	146,452	164,634	183,907	193,243	199,744	173,925	155,179	135,259	155,632	1,939,584	1,937,133
	2025	156,550	133,992	142,179	147,272	165,560	184,943	194,325	200,861	174,898	156,046	136,009	156,492	1,949,128	1,946,651
Projected	2026	157,420	134,729	142,963	148,091	166,487	185,979	195,410	201,986	175,883	156,927	136,775	157,373	1,960,022	1,957,494
	2027	158,312	135,490	143,771	148,932	167,437	187,039	196,518	203,131	176,881	157,817	137,547	158,258	1,971,131	1,968,585
	2028	159,205	137,565	144,570	149,762	168,372	188,082	197,605	204,252	177,855	158,684	138,297	159,117	1,983,365	1,980,889
	2029	160,072	136,994	145,363	150,586	169,301	189,120	198,688	205,370	178,829	159,551	139,047	159,977	1,992,899	1,990,422
	2030	160,939	137,725	146,135	151,386	170,199	190,118	199,727	206,439	179,756	160,374	139,758	160,789	2,003,345	2,000,998
	2031	161,755	138,420	146,869	152,147	171,053	191,069	200,716	207,458	180,640	161,159	140,436	161,565	2,013,286	2,011,048
	2032	162,535	140,432	147,570	152,876	171,873	191,985	201,673	208,447	181,500	161,927	141,102	162,331	2,024,252	2,022,052
	2033	163,305	139,749	148,279	153,613	172,701	192,908	202,637	209,441	182,365	162,698	141,770	163,095	2,032,561	2,030,358
	2034	164,074	140,400	148,970	154,331	173,508	193,809	203,577	210,412	183,209	163,450	142,422	163,844	2,042,005	2,039,851
	2035	164,828	141,044	149,655	155,044	174,312	194,708	204,518	211,386	184,059	164,210	143,083	164,604	2,051,451	2,049,271

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.1%	7.1%	7.7%	8.8%	9.4%	10.1%	10.6%	9.2%	8.1%	7.0%	7.2%	100.0%
	2007	7.5%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	11.0%	9.4%	8.6%	6.8%	7.1%	100.0%
	2008	7.9%	7.1%	7.3%	7.6%	9.1%	9.6%	9.8%	9.8%	9.4%	8.0%	7.1%	7.4%	100.0%
	2009	8.2%	7.3%	7.3%	7.2%	8.6%	9.9%	9.7%	9.8%	9.3%	8.6%	6.6%	7.5%	100.0%
	2010	8.8%	7.4%	6.8%	6.7%	8.9%	9.7%	10.0%	10.0%	9.0%	7.4%	6.5%	8.8%	100.0%
	2011	8.1%	6.7%	7.0%	7.9%	9.1%	9.8%	10.1%	10.8%	9.4%	7.4%	6.7%	7.1%	100.0%
	2012	7.7%	6.8%	7.6%	7.8%	9.2%	9.0%	10.1%	10.0%	9.3%	8.3%	6.9%	7.5%	100.0%
	2013	7.4%	6.9%	7.5%	7.7%	8.5%	9.5%	9.6%	10.4%	9.5%	8.4%	7.0%	7.4%	100.0%
	2014	8.7%	6.7%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.0%	8.0%	7.1%	7.6%	100.0%
	2015	7.6%	7.1%	7.4%	7.9%	9.0%	9.7%	9.9%	9.9%	9.0%	7.9%	6.8%	7.9%	100.0%
Projected	2016	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2017	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2018	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2019	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2020	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2021	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2022	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2023	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2024	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
	2025	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%
Avg.	2006-2015	8.0%	7.0%	7.2%	7.5%	8.9%	9.5%	9.9%	10.3%	9.3%	8.1%	6.8%	7.5%	100.0%
	2016-2025	8.0%	6.9%	7.3%	7.6%	8.5%	9.5%	10.0%	10.3%	9.0%	8.0%	7.0%	8.0%	100.0%

1 2 3 4 5 6 7 8 9 10 11 12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



**FMPA 2016 Load Forecast - Low Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										363.1	286.5	338.9	0.0	0.0
	2006	357.3	417.1	287.8	374.1	397.2	418.8	426.6	441.2	404.1	379.1	294.0	300.7	417.1	441.2
	2007	367.8	367.0	315.3	337.6	367.4	422.4	435.9	452.7	421.1	387.7	286.1	305.5	367.8	452.7
	2008	395.6	337.0	288.3	316.6	374.4	425.5	414.5	421.7	395.8	341.0	318.2	342.0	395.6	425.5
	2009	440.9	448.0	343.4	307.7	378.1	438.4	401.7	416.1	381.1	389.8	263.4	318.1	448.0	438.4
	2010	469.5	375.8	336.2	283.3	374.4	425.4	419.3	421.2	398.0	344.9	276.1	420.5	469.5	425.4
	2011	403.3	334.3	261.1	356.0	380.1	415.7	403.6	416.2	376.6	307.4	267.9	266.6	420.5	416.2
	2012	385.4	369.1	287.6	329.8	367.7	383.7	391.7	391.4	380.7	346.5	277.1	289.2	385.4	391.7
	2013	288.9	344.0	346.7	315.0	346.3	389.5	387.3	402.4	388.4	339.6	283.2	281.1	346.7	402.4
	2014	374.8	325.7	261.6	341.9	364.5	383.8	395.6	413.9	394.8	346.7	335.6	306.2	374.8	413.9
Projected	2015	343.1	408.2	296.5	328.9	381.3	423.0	396.0	415.0	389.6	354.1	271.0	302.2	408.2	423.0
	2016	393.4	356.9	291.2	312.4	365.6	403.0	394.2	413.0	383.8	345.9	271.4	302.6	393.4	413.0
	2017	394.0	357.3	291.6	312.8	366.1	403.5	394.7	413.5	384.3	346.3	271.9	303.2	394.0	413.5
	2018	394.8	358.1	292.2	313.5	366.8	404.4	395.5	414.4	385.1	347.1	272.9	304.3	394.8	414.4
	2019	396.3	359.4	293.4	314.7	368.2	405.9	397.0	416.0	386.6	348.4	274.3	305.8	396.3	416.0
	2020	398.3	361.2	294.9	316.3	370.1	407.9	399.0	418.1	388.5	350.2	275.4	307.1	398.3	418.1
	2021	400.0	362.8	296.2	317.7	371.7	409.7	400.8	419.9	390.2	351.7	276.8	308.7	400.0	419.9
	2022	402.0	364.7	297.7	319.3	373.6	411.8	402.8	422.0	392.2	353.5	278.3	310.3	402.0	422.0
	2023	404.1	366.6	299.3	321.0	375.7	414.0	405.0	424.3	394.4	355.4	280.1	312.2	404.1	424.3
	2024	406.6	368.9	301.1	323.0	378.0	416.6	407.5	426.9	396.8	357.6	281.4	313.8	406.6	426.9
Projected	2025	408.6	370.7	302.6	324.6	379.8	418.6	409.5	429.0	398.7	359.4	283.0	315.5	408.6	429.0
	2026	410.8	372.7	304.3	326.4	382.0	421.0	411.8	431.4	401.0	361.4	284.6	317.3	410.8	431.4
	2027	413.2	374.8	306.0	328.3	384.1	423.3	414.1	433.9	403.2	363.5	286.4	319.2	413.2	433.9
	2028	415.7	377.2	307.9	330.3	386.5	426.0	416.7	436.6	405.7	365.7	287.7	320.7	415.7	436.6
	2029	417.7	379.0	309.4	331.9	388.4	428.0	418.7	438.7	407.7	367.5	289.2	322.4	417.7	438.7
	2030	419.9	380.9	311.0	333.7	390.4	430.3	420.9	441.0	409.8	369.4	290.6	324.0	419.9	441.0
	2031	421.9	382.8	312.6	335.3	392.3	432.4	423.0	443.1	411.9	371.2	292.2	325.7	421.9	443.1
	2032	424.2	384.9	314.3	337.1	394.5	434.7	425.2	445.6	414.1	373.3	293.4	327.0	424.2	445.6
	2033	426.0	386.5	315.6	338.5	396.1	436.5	427.0	447.4	415.8	374.8	294.8	328.6	426.0	447.4
	2034	427.9	388.3	317.0	340.1	397.9	438.5	429.0	449.5	417.7	376.5	296.1	330.1	427.9	449.5
	2035	429.9	390.1	318.5	341.7	399.8	440.6	431.0	451.5	419.7	378.3	297.7	331.8	429.9	451.5

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.1%	64.7%	64.5%		
	2006	58.6%	52.1%	68.4%	56.5%	68.0%	61.6%	67.5%	66.1%	65.2%	59.2%	65.4%	68.7%	56.1%	53.1%
	2007	56.2%	58.3%	63.4%	59.2%	69.8%	60.7%	65.4%	66.3%	63.0%	61.0%	64.8%	65.7%	63.2%	51.3%
	2008	52.0%	58.5%	65.8%	62.5%	70.3%	58.4%	63.9%	60.4%	63.7%	61.0%	57.9%	58.3%	55.9%	52.0%
	2009	48.6%	47.1%	55.6%	61.1%	65.7%	59.0%	65.6%	61.8%	65.9%	57.9%	65.7%	63.5%	49.6%	50.7%
	2010	50.4%	58.9%	54.7%	63.9%	71.1%	61.7%	66.4%	63.7%	63.2%	57.6%	63.1%	58.4%	48.8%	53.8%
	2011	50.8%	56.2%	67.7%	55.8%	66.4%	59.4%	64.9%	65.0%	64.8%	60.3%	62.9%	68.9%	50.8%	51.3%
	2012	49.6%	49.0%	65.0%	58.2%	68.6%	57.8%	66.0%	63.1%	62.3%	59.0%	61.4%	66.0%	54.5%	53.6%
	2013	63.2%	54.7%	53.1%	60.4%	67.2%	60.3%	63.1%	63.4%	62.4%	60.9%	60.6%	67.0%	60.2%	51.9%
	2014	58.0%	57.1%	66.5%	54.4%	66.7%	60.2%	65.2%	62.8%	59.0%	57.9%	52.7%	63.8%	56.6%	51.2%
Projected	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	57.7%	64.3%	69.2%	53.5%	51.6%
	2016	51.4%	52.3%	63.1%	61.2%	64.7%	59.5%	65.9%	62.8%	60.9%	58.2%	64.7%	69.0%	54.4%	51.9%
	2017	51.5%	53.8%	63.3%	61.1%	64.9%	59.4%	65.9%	62.9%	60.8%	58.3%	64.7%	69.0%	54.4%	51.9%
	2018	51.5%	53.8%	63.2%	61.0%	64.9%	59.4%	65.9%	62.9%	60.9%	58.3%	64.7%	68.9%	54.4%	51.9%
	2019	51.5%	53.8%	63.2%	61.0%	64.9%	59.4%	65.9%	62.9%	60.9%	58.3%	64.6%	68.9%	54.4%	51.9%
	2020	51.5%	52.4%	63.1%	60.9%	64.8%	59.3%	65.9%	62.9%	60.9%	58.3%	64.6%	68.9%	54.4%	51.9%
	2021	51.5%	53.8%	63.2%	61.0%	64.9%	59.4%	65.9%	62.9%	60.9%	58.3%	64.6%	68.9%	54.4%	51.9%
	2022	51.5%	53.8%	63.2%	61.0%	64.9%	59.4%	65.9%	62.9%	60.9%	58.4%	64.6%	68.9%	54.4%	51.9%
	2023	51.5%	53.8%	63.2%	61.0%	64.9%	59.4%	65.9%	62.9%	60.9%	58.4%	64.6%	68.8%	54.5%	51.9%
	2024	51.5%	52.4%	63.1%	60.9%	64.8%	59.3%	65.9%	62.9%	60.9%	58.3%	64.6%	68.9%	54.5%	51.9%
Avg.	2006-2015	54.5%	54.1%	62.4%	59.4%	68.1%	59.8%	65.3%	63.4%	63.1%	59.2%	61.9%	64.9%	54.9%	52.1%
	2016-2025	51.5%	53.4%	63.2%	61.0%	64.8%	59.4%	65.9%	62.9%	60.9%	58.3%	64.6%	68.9%	54.4%	51.9%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Low Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	320.8	416.8	270.9	373.9	382.9	418.3	423.6	434.3	386.9	373.2	275.9	267.3	416.8	434.3
	2007	367.5	364.2	292.3	337.0	360.8	420.7	433.0	449.2	415.3	382.3	283.8	263.0	364.2	449.2
	2008	395.4	336.2	285.0	305.1	356.2	424.7	413.4	420.5	390.7	334.4	279.8	341.6	395.4	420.5
	2009	440.2	432.9	342.8	306.2	376.5	438.2	388.0	412.2	377.7	379.0	223.8	317.7	432.9	438.2
	2010	466.6	371.9	334.6	276.5	364.8	415.8	407.1	411.2	387.8	331.9	259.9	416.1	466.6	415.8
	2011	401.6	333.5	226.8	342.8	371.8	410.6	391.9	407.5	370.5	304.0	258.2	234.1	416.1	407.5
	2012	381.2	368.7	278.6	313.0	345.0	368.2	373.5	385.4	377.9	341.7	227.0	288.9	381.2	373.5
	2013	285.3	342.3	342.2	299.4	332.8	362.9	379.0	391.2	375.9	333.9	265.3	243.1	342.2	391.2
	2014	371.1	325.5	209.1	340.6	356.6	377.0	377.7	406.2	389.8	342.2	330.7	303.1	371.1	406.2
	2015	342.6	407.6	288.1	320.9	376.9	419.6	387.0	406.6	372.9	348.5	254.1	285.0	407.6	419.6
Projected	2016	392.3	356.4	270.7	305.9	355.4	395.6	382.5	406.4	377.6	340.4	254.5	285.3	392.3	406.4
	2017	392.8	356.9	271.0	306.3	355.9	396.1	383.1	407.0	378.1	340.9	255.0	285.9	392.8	407.0
	2018	393.6	357.6	271.6	307.0	356.6	396.9	383.9	407.8	378.9	341.6	256.0	287.0	393.6	407.8
	2019	395.1	359.0	272.7	308.2	358.0	398.4	385.3	409.4	380.3	342.9	257.3	288.4	395.1	409.4
	2020	397.1	360.8	274.1	309.8	359.8	400.4	387.3	411.5	382.3	344.7	258.4	289.7	397.1	411.5
	2021	398.8	362.4	275.3	311.1	361.4	402.2	389.0	413.3	383.9	346.2	259.7	291.2	398.8	413.3
	2022	400.8	364.2	276.7	312.7	363.2	404.2	391.0	415.4	385.9	348.0	261.1	292.7	400.8	415.4
	2023	403.0	366.2	278.2	314.4	365.2	406.4	393.1	417.6	388.0	349.9	262.7	294.5	403.0	417.6
	2024	405.5	368.4	279.9	316.4	367.5	408.9	395.5	420.2	390.4	352.0	264.0	296.0	405.5	420.2
	2025	407.4	370.2	281.3	317.9	369.3	410.9	397.5	422.3	392.3	353.8	265.5	297.6	407.4	422.3
Projected	2026	409.7	372.3	282.9	319.7	371.3	413.2	399.7	424.6	394.5	355.8	267.0	299.3	409.7	424.6
	2027	412.0	374.4	284.5	321.5	373.4	415.5	401.9	427.0	396.8	357.8	268.7	301.2	412.0	427.0
	2028	414.6	376.7	286.3	323.5	375.7	418.1	404.4	429.7	399.2	360.0	269.9	302.6	414.6	429.7
	2029	416.5	378.5	287.6	325.1	377.5	420.1	406.4	431.8	401.2	361.7	271.4	304.2	416.5	431.8
	2030	418.7	380.5	289.1	326.8	379.5	422.3	408.5	434.0	403.3	363.6	272.7	305.7	418.7	434.0
	2031	420.8	382.4	290.6	328.4	381.4	424.4	410.5	436.2	405.3	365.4	274.2	307.3	420.8	436.2
	2032	423.0	384.4	292.2	330.2	383.5	426.7	412.8	438.6	407.5	367.4	275.3	308.6	423.0	438.6
	2033	424.8	386.0	293.4	331.6	385.1	428.5	414.5	440.4	409.2	368.9	276.6	310.0	424.8	440.4
	2034	426.7	387.8	294.7	333.1	386.8	430.5	416.4	442.4	411.1	370.7	277.9	311.4	426.7	442.4
	2035	428.7	389.6	296.1	334.7	388.6	432.5	418.3	444.5	413.0	372.4	279.3	313.1	428.7	444.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.6%	99.0%	99.8%		
	2006	89.8%	99.9%	94.1%	99.9%	96.4%	99.9%	99.3%	98.4%	95.7%	98.4%	93.9%	88.9%	99.9%	98.4%
	2007	99.9%	99.2%	92.7%	99.8%	98.2%	99.6%	99.3%	99.2%	98.6%	98.6%	99.2%	86.1%	99.0%	99.2%
	2008	99.9%	99.7%	98.8%	96.4%	95.1%	99.8%	99.7%	99.7%	98.7%	98.1%	87.9%	99.9%	99.9%	98.8%
	2009	99.9%	96.6%	99.8%	99.5%	99.6%	100.0%	96.6%	99.0%	99.1%	97.2%	85.0%	99.9%	96.6%	100.0%
	2010	99.4%	99.0%	99.5%	97.6%	97.5%	97.7%	97.1%	97.6%	97.4%	96.3%	94.2%	99.0%	99.4%	97.7%
	2011	99.6%	99.8%	86.9%	96.3%	97.8%	98.8%	97.1%	97.9%	98.4%	98.9%	96.4%	87.8%	99.0%	97.9%
	2012	98.9%	99.9%	96.9%	94.9%	93.8%	96.0%	95.3%	98.5%	99.3%	98.6%	81.9%	99.9%	98.9%	95.3%
	2013	98.7%	99.5%	98.7%	95.1%	96.1%	93.2%	97.8%	97.2%	96.8%	98.3%	93.7%	86.5%	98.7%	97.2%
	2014	99.0%	99.9%	80.0%	99.6%	97.8%	98.2%	95.5%	98.1%	98.7%	98.7%	98.5%	99.0%	99.0%	98.1%
	2015	99.9%	99.8%	97.2%	97.6%	98.9%	99.2%	97.7%	98.0%	95.7%	98.4%	93.8%	94.3%	99.8%	99.2%
Projected	2016	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.0%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2017	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2018	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2019	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2020	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2021	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2022	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2023	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2024	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2025	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
2006-2015		98.5%	99.3%	94.5%	97.7%	97.1%	98.2%	97.6%	98.4%	97.8%	98.2%	92.4%	94.1%	99.0%	98.2%
2016-2025		99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

## Appendix F

### SEVERE/MILD WEATHER SCENARIOS

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FMPA 2016 Load Forecast - Severe Weather Case  
**Total Agency - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	7,203,740	-	7,156,396	-	-0.7%	1,401.3	-	1,319.2	-	-5.9%	1,477.7	-	1,535.6		3.9%
	2007	7,209,394	0.1%	7,187,165	0.4%	-0.3%	1,202.3	-14.2%	1,294.3	-1.9%	7.7%	1,521.2	2.9%	1,506.5	-1.9%	-1.0%
	2008	7,091,611	-1.6%	7,066,648	-1.7%	-0.4%	1,330.2	10.6%	1,326.6	2.5%	-0.3%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,815,289	-3.6%	-0.5%	1,418.5	6.6%	1,305.0	-1.6%	-8.0%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,166,608	-9.5%	-4.7%	1,412.0	-0.5%	1,188.1	-9.0%	-15.9%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,915,358	-4.1%	-3.8%	1,258.3	-10.9%	1,237.6	4.2%	-1.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,937,619	0.4%	0.4%	1,096.7	-12.8%	1,089.3	-12.0%	-0.7%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,930,152	-0.1%	0.3%	1,009.9	-7.9%	1,029.5	-5.5%	1.9%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,149	-4.6%	-1.4%	996.9	-1.3%	1,113.4	8.1%	11.7%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,634,802	-0.4%	-2.5%	1,128.5	13.2%	1,050.8	-5.6%	-6.9%	1,194.4	0.8%	1,250.8	4.9%	4.7%
Projected	2016	5,987,010	3.6%	5,987,010	6.3%		1,109.8	-1.7%	1,109.8	5.6%		1,250.3	4.7%	1,250.3	0.0%	
	2017			6,079,251	1.5%				1,124.5	1.3%				1,267.0	1.3%	
	2018			6,152,641	1.2%				1,138.7	1.3%				1,282.7	1.2%	
	2019			6,228,939	1.2%				1,153.2	1.3%				1,299.0	1.3%	
	2020			6,303,005	1.2%				1,167.6	1.3%				1,315.2	1.2%	
	2021			6,377,163	1.2%				1,181.9	1.2%				1,331.6	1.3%	
	2022			6,457,367	1.3%				1,196.8	1.3%				1,348.6	1.3%	
	2023			6,534,390	1.2%				1,211.0	1.2%				1,364.9	1.2%	
	2024			6,614,304	1.2%				1,226.0	1.2%				1,382.0	1.3%	
	2025			6,684,773	1.1%				1,239.0	1.1%				1,397.0	1.1%	
	2026			6,759,289	1.1%				1,252.9	1.1%				1,412.9	1.1%	
	2027			6,833,793	1.1%				1,266.8	1.1%				1,428.8	1.1%	
	2028			6,912,418	1.2%				1,281.4	1.2%				1,445.5	1.2%	
	2029			6,979,890	1.0%				1,293.9	1.0%				1,459.9	1.0%	
	2030			7,050,299	1.0%				1,306.9	1.0%				1,474.7	1.0%	
	2031			7,116,846	0.9%				1,319.4	1.0%				1,488.9	1.0%	
	2032			7,188,966	1.0%				1,333.1	1.0%				1,504.5	1.0%	
	2033			7,252,830	0.9%				1,345.2	0.9%				1,518.2	0.9%	
	2034			7,321,957	1.0%				1,358.2	1.0%				1,533.0	1.0%	
	2035			7,390,807	0.9%				1,371.2	1.0%				1,547.8	1.0%	
CAGR <sup>[3]</sup>	2006-2015		-2.4%		-2.6%			-2.4%		-2.5%			-2.3%		-2.3%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.81 MW beginning Jan-20

# FMPA 2016 Load Forecast - Severe Weather Case

## Total Agency - Supplied Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										597,704	497,864	525,727	1,621,295	0
	2006	523,642	491,437	514,859	560,031	636,340	683,902	737,848	759,636	674,751	603,361	502,247	522,974	7,211,027	7,203,740
	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,907	7,245,590	7,209,394
	2008	529,762	492,675	514,392	530,459	640,853	675,912	686,935	695,491	660,355	566,772	477,857	494,091	6,965,553	7,091,611
	2009	528,264	473,740	494,601	506,423	600,300	673,873	686,248	700,872	644,244	610,589	471,274	503,282	6,893,710	6,847,285
	2010	535,543	445,540	426,447	423,972	563,025	623,703	645,916	637,838	581,933	481,779	408,321	524,963	6,298,980	6,469,062
	2011	461,335	393,793	424,620	488,193	537,767	588,106	623,766	644,115	570,519	460,766	410,067	418,993	6,022,040	6,147,277
	2012	438,988	405,060	451,583	458,392	543,656	545,599	623,149	603,756	554,351	504,602	398,605	435,593	5,963,334	5,914,360
	2013	428,865	400,438	432,242	463,445	507,457	573,259	581,975	626,296	562,210	516,187	427,182	440,420	5,959,977	5,914,988
	2014	458,798	376,082	396,665	423,785	497,285	521,770	571,164	591,892	512,362	461,946	387,082	412,653	5,611,484	5,733,592
	2015	423,859	391,814	433,884	469,172	526,875	564,009	585,493	583,880	536,385	475,651	399,809	459,269	5,850,100	5,777,052
Projected	2016	493,536	427,678	423,602	435,199	495,731	563,585	621,383	632,346	559,221	489,182	408,306	466,934	6,016,703	5,987,010
	2017	501,147	431,252	430,892	441,324	503,252	571,209	629,225	640,689	565,837	495,208	413,370	472,751	6,096,156	6,079,251
	2018	507,259	436,428	435,869	446,448	509,230	577,894	636,776	648,583	572,827	501,319	418,477	478,662	6,169,770	6,152,641
	2019	513,600	441,804	441,182	451,890	515,536	585,068	644,694	656,705	580,005	507,590	423,695	484,742	6,246,510	6,228,939
	2020	519,123	450,894	445,555	456,466	520,999	591,500	651,890	664,104	586,445	513,086	428,063	489,981	6,318,108	6,303,005
	2021	525,901	452,252	451,304	462,301	527,781	599,236	660,419	672,787	594,052	519,683	433,469	496,246	6,395,432	6,377,163
	2022	532,643	457,964	456,924	467,992	534,389	606,759	668,694	681,197	601,406	538,676	438,676	502,273	6,474,968	6,457,367
	2023	539,109	463,440	462,325	473,460	540,734	613,973	676,623	689,261	608,465	532,177	443,710	508,116	6,551,394	6,534,390
	2024	545,373	473,501	467,581	478,798	546,941	621,044	684,413	697,207	615,442	538,248	448,704	513,930	6,631,182	6,614,304
	2025	551,621	474,074	472,870	484,164	553,183	628,154	692,235	705,172	622,418	544,303	453,673	519,695	6,701,562	6,684,773
Projected	2026	557,812	479,333	478,076	489,458	559,346	635,182	699,977	713,075	629,360	550,348	458,651	525,486	6,776,103	6,759,289
	2027	564,017	484,604	483,304	494,771	565,516	642,204	707,696	720,939	636,257	556,346	463,588	531,213	6,850,455	6,833,793
	2028	570,147	494,859	488,463	500,017	571,600	649,130	715,309	728,693	643,053	562,250	468,442	536,839	6,928,802	6,912,418
	2029	576,167	494,932	493,567	505,195	577,608	655,966	722,823	736,343	649,757	568,070	473,231	542,398	6,996,057	6,979,890
	2030	582,112	499,960	498,526	510,211	583,415	662,553	730,033	743,658	656,134	573,578	477,745	547,612	7,065,537	7,050,299
	2031	587,669	504,665	503,192	514,945	588,903	668,787	736,872	750,629	662,248	578,899	482,151	552,741	7,131,701	7,116,846
	2032	593,158	514,665	507,856	519,704	594,455	675,127	743,867	757,791	668,551	584,400	486,706	558,054	7,204,335	7,188,966
	2033	598,863	514,209	512,716	524,642	600,219	681,701	751,110	765,181	675,029	590,023	491,333	563,430	7,268,455	7,252,830
	2034	604,636	519,104	517,548	529,539	605,929	688,210	758,278	772,492	681,435	595,581	495,904	568,745	7,337,402	7,321,957
	2035	610,363	523,970	522,361	534,420	611,630	694,718	765,451	779,812	687,850	594,976	494,788	567,513	7,387,854	7,390,807

## Monthly NEL Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.1%	7.8%	8.8%	9.5%	10.2%	10.5%	9.4%	8.4%	7.0%	7.3%	100.0%
	2007	7.4%	6.8%	7.2%	7.3%	8.4%	9.3%	10.2%	10.9%	9.4%	9.0%	6.8%	7.2%	100.0%
	2008	7.6%	7.1%	7.4%	7.6%	9.2%	9.7%	9.9%	10.0%	9.5%	8.1%	6.9%	7.1%	100.0%
	2009	7.7%	6.9%	7.2%	7.3%	8.7%	9.8%	10.0%	10.2%	9.3%	8.9%	6.8%	7.3%	100.0%
	2010	8.5%	7.1%	6.8%	6.7%	8.9%	9.9%	10.3%	10.1%	9.2%	7.6%	6.5%	8.3%	100.0%
	2011	7.7%	6.5%	7.1%	8.1%	8.9%	9.8%	10.4%	10.7%	9.5%	7.7%	6.8%	7.0%	100.0%
	2012	7.4%	6.8%	7.6%	7.7%	9.1%	9.1%	10.4%	10.1%	9.3%	8.5%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.3%	7.8%	8.5%	9.6%	9.8%	10.5%	9.4%	8.7%	7.2%	7.4%	100.0%
	2014	8.2%	6.7%	7.1%	7.6%	8.9%	9.3%	10.2%	10.5%	9.1%	8.2%	6.9%	7.4%	100.0%
	2015	7.2%	6.7%	7.4%	8.0%	9.0%	9.6%	10.0%	10.0%	9.2%	8.1%	6.8%	7.9%	100.0%
Projected	2016	8.2%	7.1%	7.0%	7.2%	8.2%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2017	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2018	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2019	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2020	8.2%	7.1%	7.1%	7.2%	8.2%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2021	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2022	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2023	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2024	8.2%	7.1%	7.1%	7.2%	8.2%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
	2025	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.9%	9.6%	10.1%	10.4%	9.3%	8.3%	6.8%	7.4%	100.0%
	2016-2025	8.2%	7.1%	7.1%	7.2%	8.3%	9.4%	10.3%	10.5%	9.3%	8.1%	6.8%	7.8%	100.0%

1 2 3 4 5 6 7 8 9 10 11 12  
Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

# FMPA 2016 Load Forecast - Severe Weather Case

## Total Agency - Supplied

### Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										1,327.6	1,036.5	1,086.2	0.0	0.0
	2006	1,175.3	1,421.0	1,072.5	1,285.4	1,358.6	1,425.0	1,477.0	1,505.3	1,408.3	1,307.7	1,084.7	1,081.7	1,421.0	1,505.3
	2007	1,223.5	1,315.1	1,117.2	1,245.1	1,262.8	1,416.5	1,498.9	1,546.9	1,443.1	1,348.5	1,067.5	1,072.9	1,315.1	1,546.9
	2008	1,353.3	1,137.6	1,063.8	1,124.1	1,329.8	1,443.8	1,431.4	1,474.9	1,377.9	1,206.7	1,107.4	1,079.2	1,353.3	1,474.9
	2009	1,422.6	1,462.1	1,116.5	1,090.0	1,291.3	1,495.8	1,410.4	1,417.7	1,329.3	1,350.2	1,067.5	1,063.0	1,462.1	1,495.8
	2010	1,426.5	1,090.8	1,020.7	884.5	1,146.9	1,304.9	1,290.8	1,290.7	1,235.1	1,078.0	913.8	1,293.0	1,426.5	1,304.9
	2011	1,186.7	959.1	878.6	1,100.6	1,154.6	1,267.6	1,263.5	1,300.2	1,185.3	1,007.2	881.6	829.5	1,293.0	1,300.2
	2012	1,119.9	1,086.3	905.9	1,036.2	1,147.8	1,221.4	1,250.8	1,236.0	1,189.0	1,114.0	846.1	913.6	1,119.9	1,250.8
	2013	886.9	1,072.3	1,069.8	1,006.7	1,099.7	1,228.1	1,212.8	1,258.0	1,208.7	1,107.3	953.6	903.5	1,072.3	1,258.0
	2014	1,071.5	922.0	817.8	1,005.3	1,075.0	1,134.0	1,176.1	1,216.5	1,157.3	1,034.7	961.8	879.0	1,071.5	1,216.5
	2015	927.9	1,149.5	907.0	1,016.2	1,131.0	1,229.4	1,199.5	1,215.3	1,170.4	1,047.4	882.0	907.9	1,149.5	1,229.4
Projected	2016	1,168.8	1,120.7	920.4	991.4	1,141.4	1,242.4	1,251.0	1,281.3	1,197.7	1,086.8	890.8	919.4	1,168.8	1,281.3
	2017	1,184.3	1,135.4	932.6	1,004.6	1,156.6	1,258.9	1,267.6	1,298.4	1,213.6	1,101.3	902.4	930.6	1,184.3	1,298.4
	2018	1,198.9	1,149.3	943.8	1,016.8	1,170.8	1,274.4	1,283.1	1,314.4	1,228.6	1,114.8	913.4	942.1	1,198.9	1,314.4
	2019	1,214.0	1,163.6	955.6	1,029.6	1,185.5	1,290.5	1,299.3	1,331.0	1,244.1	1,128.9	925.7	954.8	1,214.0	1,331.0
	2020	1,229.1	1,176.9	966.7	1,042.0	1,200.1	1,306.4	1,315.3	1,347.5	1,259.4	1,142.7	935.3	964.6	1,229.1	1,347.5
	2021	1,244.0	1,191.0	978.4	1,054.9	1,215.0	1,322.7	1,331.6	1,364.3	1,275.1	1,157.0	947.0	976.4	1,244.0	1,364.3
	2022	1,259.5	1,205.5	990.5	1,068.2	1,230.3	1,339.3	1,348.4	1,381.5	1,291.2	1,171.6	958.2	987.6	1,259.5	1,381.5
	2023	1,274.3	1,219.5	1,002.1	1,081.0	1,245.0	1,355.4	1,364.5	1,398.1	1,306.7	1,185.7	969.8	999.4	1,274.3	1,398.1
	2024	1,289.9	1,234.0	1,014.2	1,094.4	1,260.5	1,372.2	1,381.4	1,415.5	1,323.0	1,200.5	980.0	1,009.7	1,289.9	1,415.5
	2025	1,303.5	1,246.8	1,024.9	1,106.2	1,274.0	1,387.0	1,396.2	1,430.8	1,337.2	1,213.4	990.9	1,020.7	1,303.5	1,430.8
Projected	2026	1,318.0	1,260.4	1,036.2	1,118.7	1,288.4	1,402.6	1,412.0	1,447.0	1,352.4	1,227.2	1,001.6	1,031.7	1,318.0	1,447.0
	2027	1,332.4	1,273.9	1,047.5	1,131.2	1,302.8	1,418.2	1,427.6	1,463.1	1,367.4	1,240.9	1,013.0	1,043.2	1,332.4	1,463.1
	2028	1,347.6	1,288.2	1,059.4	1,144.3	1,317.9	1,434.7	1,444.2	1,480.1	1,383.3	1,255.4	1,022.8	1,053.1	1,347.6	1,480.1
	2029	1,360.6	1,300.5	1,069.7	1,155.5	1,330.8	1,448.8	1,458.4	1,494.7	1,397.0	1,267.8	1,033.1	1,063.5	1,360.6	1,494.7
	2030	1,374.2	1,313.3	1,080.2	1,167.2	1,344.3	1,463.4	1,473.1	1,509.8	1,411.1	1,280.6	1,042.7	1,073.3	1,374.2	1,509.8
	2031	1,387.2	1,325.5	1,090.3	1,178.2	1,357.0	1,477.3	1,487.1	1,524.2	1,424.5	1,292.8	1,053.3	1,084.0	1,387.2	1,524.2
	2032	1,401.4	1,338.8	1,101.4	1,190.4	1,371.1	1,492.6	1,502.4	1,540.0	1,439.3	1,306.2	1,062.7	1,093.5	1,401.4	1,540.0
	2033	1,413.9	1,350.7	1,111.1	1,201.2	1,383.5	1,506.2	1,516.1	1,554.0	1,452.4	1,318.1	1,072.8	1,103.7	1,413.9	1,554.0
	2034	1,427.5	1,363.4	1,121.6	1,212.7	1,396.8	1,520.7	1,530.7	1,569.0	1,466.4	1,330.8	1,082.8	1,113.9	1,427.5	1,569.0
	2035	1,441.0	1,376.1	1,132.1	1,224.3	1,410.2	1,535.2	1,545.3	1,584.1	1,480.4	1,328.5	1,081.5	1,111.0	1,441.0	1,584.1

### Monthly Load Factors

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.5%	64.6%	67.2%		
	2006	59.9%	51.5%	64.5%	58.6%	69.7%	64.5%	69.4%	67.8%	66.5%	62.0%	62.2%	67.1%	57.9%	54.7%
	2007	58.9%	55.5%	63.1%	57.4%	72.1%	63.7%	68.3%	68.9%	65.9%	65.0%	62.0%	67.3%	62.9%	53.5%
	2008	52.6%	62.2%	65.0%	63.4%	71.7%	62.9%	66.7%	63.4%	66.6%	63.1%	58.0%	63.6%	58.8%	53.9%
	2009	49.9%	48.2%	59.5%	62.4%	69.2%	60.6%	67.6%	66.4%	67.3%	60.8%	59.3%	65.8%	53.8%	52.6%
	2010	50.5%	60.8%	56.2%	64.4%	73.0%	64.2%	69.5%	66.4%	65.4%	60.1%	60.1%	56.4%	50.4%	55.1%
	2011	52.3%	61.1%	65.0%	59.6%	69.3%	62.4%	68.6%	66.6%	66.8%	61.5%	62.5%	70.2%	53.2%	52.9%
	2012	52.7%	53.6%	67.0%	59.5%	70.5%	60.0%	69.2%	65.7%	64.8%	60.9%	63.3%	66.2%	60.8%	54.4%
	2013	65.0%	55.6%	54.3%	61.9%	68.7%	62.7%	66.6%	66.9%	64.6%	62.7%	60.2%	67.7%	63.4%	54.1%
	2014	57.6%	60.7%	65.2%	56.7%	68.8%	61.8%	67.4%	65.4%	61.5%	60.0%	54.1%	65.2%	59.8%	52.7%
	2015	61.4%	50.7%	64.3%	62.1%	69.3%	61.7%	67.8%	64.6%	63.7%	61.0%	60.9%	70.3%	58.1%	54.3%
Projected	2016	56.8%	54.8%	61.9%	59.0%	64.6%	61.0%	69.0%	66.3%	64.8%	60.5%	61.6%	70.5%	58.8%	53.6%
	2017	56.9%	56.5%	62.1%	59.0%	64.7%	61.0%	68.9%	66.3%	64.8%	60.4%	61.6%	70.6%	58.8%	53.6%
	2018	56.9%	56.5%	62.1%	59.0%	64.7%	60.9%	68.9%	66.3%	64.8%	60.4%	61.6%	70.6%	58.7%	53.6%
	2019	56.9%	56.5%	62.1%	59.0%	64.7%	60.9%	68.9%	66.3%	64.8%	60.4%	61.5%	70.5%	58.7%	53.6%
	2020	56.8%	55.0%	62.0%	58.9%	64.6%	60.9%	68.8%	66.2%	64.7%	60.4%	61.5%	70.5%	58.7%	53.5%
	2021	56.8%	56.5%	62.0%	58.9%	64.6%	60.9%	68.9%	66.3%	64.7%	60.4%	61.5%	70.6%	58.7%	53.5%
	2022	56.8%	56.5%	62.0%	58.9%	64.6%	60.9%	68.9%	66.3%	64.7%	60.3%	61.5%	70.6%	58.7%	53.5%
	2023	56.9%	56.6%	62.0%	58.9%	64.6%	60.9%	68.9%	66.3%	64.7%	60.3%	61.5%	70.6%	58.7%	53.5%
	2024	56.8%	55.1%	62.0%	58.8%	64.6%	60.8%	68.8%	66.2%	64.6%	60.3%	61.5%	70.7%	58.7%	53.5%
	2025	56.9%	56.6%	62.0%	58.8%	64.6%	60.9%	68.9%	66.2%	64.6%	60.3%	61.5%	70.7%	58.7%	53.5%
Avg.	2006-2015	56.1%	56.0%	62.4%	60.6%	70.2%	62.5%	68.1%	66.2%	65.3%	61.7%	60.3%	66.0%	57.9%	53.8%
	2016-2025	56.8%	56.1%	62.0%	58.9%	64.7%	60.9%	68.9%	66.3%	64.7%	60.4%	61.5%	70.6%	58.7%	53.5%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Severe Weather Case**

**Total Agency - Supplied**

**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,070.1	1,401.3	1,020.5	1,231.8	1,286.3	1,396.7	1,447.4	1,477.7	1,341.8	1,266.6	998.3	962.0	1,401.3	1,477.7
	2007	1,164.9	1,202.3	996.2	1,127.3	1,245.0	1,365.4	1,465.0	1,521.2	1,415.8	1,295.5	1,026.4	958.1	1,202.3	1,521.2
	2008	1,330.2	1,051.7	1,012.3	1,078.2	1,285.9	1,405.8	1,405.4	1,450.1	1,318.5	1,147.4	1,008.6	1,021.9	1,330.2	1,450.1
	2009	1,406.3	1,418.5	1,059.2	1,030.3	1,270.9	1,481.7	1,350.6	1,380.7	1,292.9	1,324.9	952.9	974.0	1,418.5	1,481.7
	2010	1,412.0	1,053.7	999.7	839.7	1,087.3	1,272.1	1,255.1	1,263.0	1,170.9	1,048.7	844.1	1,258.3	1,412.0	1,272.1
	2011	1,168.7	900.6	807.1	1,067.7	1,112.3	1,239.2	1,214.4	1,258.2	1,124.9	990.4	852.3	750.1	1,258.3	1,258.2
	2012	1,096.7	1,038.9	871.7	993.3	1,091.1	1,146.8	1,203.3	1,188.3	1,143.4	1,087.3	747.0	830.0	1,096.7	1,203.3
	2013	772.0	1,003.2	1,009.9	958.2	1,073.6	1,176.8	1,156.6	1,222.0	1,164.9	1,067.9	906.6	820.2	1,009.9	1,222.0
	2014	996.9	847.6	703.0	998.1	1,051.7	1,106.0	1,125.7	1,185.1	1,092.9	1,015.0	827.7	795.4	996.9	1,185.1
	2015	850.7	1,128.5	856.5	953.8	1,102.4	1,194.4	1,144.2	1,172.3	1,136.9	1,022.3	806.7	842.6	1,128.5	1,194.4
Projected	2016	1,109.8	1,070.5	854.3	956.6	1,108.9	1,209.4	1,204.9	1,250.3	1,157.0	1,060.7	814.9	853.3	1,109.8	1,250.3
	2017	1,124.5	1,084.7	865.7	969.3	1,123.7	1,225.5	1,220.9	1,267.0	1,172.4	1,074.9	825.6	863.8	1,124.5	1,267.0
	2018	1,138.7	1,098.2	876.2	981.2	1,137.5	1,240.7	1,236.0	1,282.7	1,186.9	1,088.1	835.7	874.6	1,138.7	1,282.7
	2019	1,153.2	1,112.1	887.2	993.6	1,151.9	1,256.4	1,251.6	1,299.0	1,202.0	1,101.9	847.1	886.6	1,153.2	1,299.0
	2020	1,167.6	1,125.3	897.6	1,005.6	1,166.0	1,272.0	1,267.1	1,315.2	1,216.8	1,115.4	855.9	895.7	1,167.6	1,315.2
	2021	1,181.9	1,139.0	908.6	1,018.1	1,180.5	1,287.9	1,282.9	1,331.6	1,232.0	1,129.3	866.7	906.7	1,181.9	1,331.6
	2022	1,196.8	1,153.1	919.9	1,031.1	1,195.5	1,304.3	1,299.1	1,348.6	1,247.7	1,143.7	877.1	917.3	1,196.8	1,348.6
	2023	1,211.0	1,166.6	930.8	1,043.5	1,209.8	1,320.1	1,314.8	1,364.9	1,262.8	1,157.5	887.9	928.4	1,211.0	1,364.9
	2024	1,226.0	1,180.8	942.2	1,056.5	1,224.9	1,336.5	1,331.1	1,382.0	1,278.5	1,171.9	897.4	938.1	1,226.0	1,382.0
	2025	1,239.0	1,193.3	952.3	1,068.0	1,238.1	1,351.0	1,345.5	1,397.0	1,292.4	1,184.7	907.4	948.5	1,239.0	1,397.0
Projected	2026	1,252.9	1,206.4	962.9	1,080.1	1,252.2	1,366.4	1,360.7	1,412.9	1,307.1	1,198.1	917.4	958.8	1,252.9	1,412.9
	2027	1,266.8	1,219.6	973.5	1,092.2	1,266.1	1,381.7	1,375.9	1,428.8	1,321.7	1,211.6	927.9	969.7	1,266.8	1,428.8
	2028	1,281.4	1,233.4	984.7	1,105.0	1,280.9	1,397.9	1,391.9	1,445.5	1,337.1	1,225.7	937.0	978.9	1,281.4	1,445.5
	2029	1,293.9	1,245.4	994.3	1,115.9	1,293.5	1,411.7	1,405.7	1,459.9	1,350.4	1,237.9	946.5	988.7	1,293.9	1,459.9
	2030	1,306.9	1,257.9	1,004.3	1,127.2	1,306.6	1,426.0	1,419.9	1,474.7	1,364.1	1,250.4	955.5	997.9	1,306.9	1,474.7
	2031	1,319.4	1,269.7	1,013.7	1,137.9	1,319.1	1,439.7	1,433.5	1,488.9	1,377.1	1,262.4	965.3	1,008.1	1,319.4	1,488.9
	2032	1,333.1	1,282.8	1,024.1	1,149.8	1,332.8	1,454.7	1,448.4	1,504.5	1,391.5	1,275.5	973.9	1,017.0	1,333.1	1,504.5
	2033	1,345.2	1,294.3	1,033.3	1,160.2	1,344.9	1,468.0	1,461.6	1,518.2	1,404.2	1,287.1	983.3	1,026.6	1,345.2	1,518.2
	2034	1,358.2	1,306.7	1,043.2	1,171.4	1,357.9	1,482.2	1,475.8	1,533.0	1,417.8	1,299.6	992.6	1,036.3	1,358.2	1,533.0
	2035	1,371.2	1,319.1	1,053.1	1,182.6	1,370.9	1,496.5	1,489.9	1,547.8	1,431.4	1,297.3	991.7	1,034.1	1,371.2	1,547.8

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.7%	97.6%	93.1%		
	2006	91.0%	98.6%	95.1%	95.8%	94.7%	98.0%	98.0%	98.2%	95.3%	96.9%	92.0%	88.9%	98.6%	98.2%
	2007	95.2%	91.4%	89.2%	90.5%	98.6%	96.4%	97.7%	98.3%	98.1%	96.1%	96.1%	89.3%	91.4%	98.3%
	2008	98.3%	92.4%	95.2%	95.9%	96.7%	97.4%	98.2%	98.3%	95.7%	95.1%	91.1%	94.7%	98.3%	98.3%
	2009	98.9%	97.0%	94.9%	94.5%	98.4%	99.1%	95.8%	97.4%	97.3%	98.1%	89.3%	91.6%	97.0%	99.1%
	2010	99.0%	96.6%	97.9%	94.9%	94.8%	97.5%	97.2%	97.8%	94.8%	97.3%	92.4%	97.3%	99.0%	97.5%
	2011	98.5%	93.9%	91.9%	97.0%	96.3%	97.8%	96.1%	96.8%	94.9%	98.3%	96.7%	90.4%	97.3%	96.8%
	2012	97.9%	95.6%	96.2%	95.9%	95.1%	93.9%	96.2%	96.1%	96.2%	97.6%	88.3%	90.8%	97.9%	96.2%
	2013	87.0%	93.6%	94.4%	95.2%	97.6%	95.8%	95.4%	97.1%	96.4%	96.4%	95.1%	90.8%	94.2%	97.1%
	2014	93.0%	91.9%	86.0%	99.3%	97.8%	97.5%	95.7%	97.4%	94.4%	98.1%	86.1%	90.5%	93.0%	97.4%
	2015	91.7%	98.2%	94.4%	93.9%	97.5%	97.2%	95.4%	96.5%	97.1%	97.6%	91.5%	92.8%	98.2%	97.2%
Projected	2016	95.0%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2017	95.0%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2018	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2019	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2020	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2021	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2022	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%
	2023	95.0%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2024	95.0%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2025	95.1%	95.7%	92.9%	96.5%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.1%	97.6%
	2006-2015	95.1%	94.9%	93.5%	95.3%	96.8%	97.0%	96.6%	97.4%	96.0%	97.2%	91.8%	91.7%	96.5%	97.6%
	2016-2025	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.9%	95.0%	97.6%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



FMPA 2016 Load Forecast - Severe Weather Case  
**FP&L Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	3,703,464	-	3,680,394	-	-0.6%	707.5	-	637.1	-	-9.9%	730.4	-	749.7		2.6%
	2007	3,720,003	0.4%	3,683,027	0.1%	-1.0%	588.1	-16.9%	643.2	1.0%	9.4%	750.9	2.8%	746.3	-0.4%	-0.6%
	2008	3,682,412	-1.0%	3,638,648	-1.2%	-1.2%	670.8	14.1%	686.5	6.7%	2.3%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,497,283	-3.9%	-0.6%	709.9	5.8%	645.6	-6.0%	-9.1%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,913,810	-16.7%	-4.3%	631.0	-11.1%	513.0	-20.5%	-18.7%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,705,162	-7.2%	-3.6%	544.4	-13.7%	543.7	6.0%	-0.1%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,722,708	0.6%	0.5%	469.7	-13.7%	479.3	-11.8%	2.1%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,707,919	-0.5%	0.5%	425.0	-9.5%	444.9	-7.2%	4.7%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,104	-11.6%	-1.7%	384.4	-9.5%	431.1	-3.1%	12.1%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,321,378	-3.1%	-1.9%	456.4	18.7%	405.2	-6.0%	-11.2%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,466,730	4.2%	2,466,730	6.3%		419.2	-8.2%	419.2	3.5%		477.5	7.5%	477.5	2.3%	
	2017			2,502,643	1.5%				423.8	1.1%				482.8	1.1%	
	2018			2,522,018	0.8%				427.4	0.9%				486.5	0.8%	
	2019			2,542,633	0.8%				431.1	0.9%				490.6	0.8%	
	2020			2,554,044	0.4%				433.4	0.5%				492.9	0.5%	
	2021			2,570,275	0.6%				436.6	0.7%				496.6	0.8%	
	2022			2,588,739	0.7%				439.8	0.7%				500.1	0.7%	
	2023			2,605,813	0.7%				442.7	0.7%				503.3	0.7%	
	2024			2,622,406	0.6%				445.6	0.7%				506.5	0.6%	
	2025			2,638,433	0.6%				448.4	0.6%				509.6	0.6%	
	2026			2,654,638	0.6%				451.2	0.6%				512.8	0.6%	
	2027			2,671,219	0.6%				454.0	0.6%				516.0	0.6%	
	2028			2,688,235	0.6%				456.9	0.6%				519.2	0.6%	
	2029			2,704,603	0.6%				459.7	0.6%				522.4	0.6%	
	2030			2,720,279	0.6%				462.4	0.6%				525.4	0.6%	
	2031			2,734,903	0.5%				465.1	0.6%				528.2	0.5%	
	2032			2,749,881	0.5%				467.8	0.6%				531.2	0.6%	
	2033			2,764,665	0.5%				470.5	0.6%				534.1	0.6%	
	2034			2,779,672	0.5%				473.2	0.6%				537.0	0.6%	
	2035			2,794,476	0.5%				476.0	0.6%				539.9	0.5%	
CAGR <sup>[3]</sup>	2006-2015		-4.9%		-5.0%			-4.8%		-4.9%			-5.4%		-5.1%	
	2016-2025				0.8%					0.8%					0.7%	
	2026-2035				0.6%					0.6%					0.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.81 MW beginning Jan-20



# FMPA 2016 Load Forecast - Severe Weather Case

## FP&L Cities - Supplied Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										309,339	262,335	268,296	839,971	0
	2006	267,425	249,766	266,501	289,289	325,785	353,245	378,834	385,156	347,493	315,940	261,151	270,907	3,711,492	3,703,464
	2007	279,391	249,892	271,428	275,189	315,689	343,085	378,864	404,181	354,285	344,599	256,791	270,984	3,744,378	3,720,003
	2008	272,016	258,524	270,108	275,057	331,465	349,761	353,078	359,363	340,667	296,956	245,657	251,982	3,604,633	3,682,412
	2009	266,814	239,310	254,063	262,868	309,211	340,526	354,152	362,606	332,572	318,362	249,900	260,088	3,550,472	3,516,717
	2010	239,936	196,901	193,987	193,429	255,495	285,396	294,077	290,396	266,902	222,076	188,245	229,044	2,855,884	3,044,869
	2011	209,012	180,449	196,232	225,664	249,124	267,493	286,323	292,471	259,771	216,575	192,071	192,271	2,767,453	2,805,902
	2012	197,794	187,479	206,843	206,993	244,678	252,612	284,965	274,837	252,594	233,692	181,737	197,699	2,721,923	2,709,712
	2013	196,118	182,394	194,421	211,947	230,928	261,547	266,045	283,574	253,653	238,380	200,557	202,386	2,721,950	2,693,753
	2014	187,229	159,573	167,998	174,913	203,678	214,694	235,507	242,749	209,660	191,583	158,846	167,343	2,313,772	2,437,324
	2015	173,824	159,676	177,850	191,364	213,975	229,122	243,920	240,108	218,819	198,888	168,455	181,321	2,397,322	2,366,430
Projected	2016	199,534	178,144	176,558	182,176	202,783	229,574	257,090	259,341	232,867	205,622	171,552	184,762	2,480,001	2,466,730
	2017	202,771	180,683	179,126	184,556	205,184	232,118	259,643	261,738	234,890	207,404	173,068	186,334	2,507,515	2,502,643
	2018	204,483	181,992	180,377	185,854	206,632	233,761	261,535	263,793	236,784	209,057	174,460	187,855	2,526,583	2,522,018
	2019	206,168	183,468	181,828	187,344	208,319	235,688	263,693	265,991	238,763	210,789	175,920	189,460	2,547,431	2,542,633
	2020	206,903	184,253	182,151	187,781	208,893	236,521	264,708	267,034	239,630	211,396	176,249	189,861	2,555,382	2,554,044
	2021	208,505	185,488	183,546	189,204	210,479	238,326	266,719	269,061	241,440	212,969	177,551	191,263	2,574,551	2,570,275
	2022	210,064	186,846	184,855	190,538	211,963	240,018	268,601	270,951	243,119	214,419	178,740	192,532	2,592,646	2,588,739
	2023	211,484	188,087	186,061	191,767	213,337	241,590	270,360	272,727	244,707	215,799	179,881	193,759	2,609,560	2,605,813
	2024	212,860	189,459	187,219	192,948	214,658	243,102	272,051	274,435	246,235	217,125	180,974	194,934	2,626,000	2,622,406
	2025	214,182	190,449	188,372	194,124	215,977	244,619	273,748	276,155	247,774	218,464	182,080	196,124	2,642,067	2,638,433
Projected	2026	215,522	191,625	189,509	195,289	217,284	246,124	275,436	277,869	249,313	219,809	183,192	197,322	2,658,293	2,654,638
	2027	216,871	192,815	190,677	196,488	218,630	247,680	277,182	279,645	250,909	221,205	184,348	198,568	2,675,017	2,671,219
	2028	218,269	194,210	191,866	197,704	219,988	249,243	278,931	281,415	252,489	222,576	185,473	199,770	2,691,935	2,688,235
	2029	219,625	195,228	193,044	198,902	221,329	250,788	280,659	283,162	254,046	223,921	186,579	200,956	2,708,239	2,704,603
	2030	220,960	196,388	194,152	200,021	222,579	252,223	282,257	284,772	255,472	225,145	187,579	202,020	2,723,568	2,720,279
	2031	222,170	197,444	195,176	201,061	223,754	253,583	283,784	286,325	256,862	226,352	188,584	203,106	2,738,201	2,734,903
	2032	223,402	198,687	196,214	202,119	224,951	254,966	285,334	287,901	258,267	227,565	189,588	204,186	2,753,179	2,749,881
	2033	224,628	199,589	197,270	203,190	226,165	256,372	286,910	289,504	259,696	228,797	190,610	205,290	2,768,022	2,764,665
	2034	225,892	200,689	198,317	204,250	227,368	257,768	288,477	291,098	261,115	230,019	191,619	206,377	2,782,991	2,779,672
	2035	227,136	201,772	199,355	205,297	228,556	259,145	290,021	292,667	262,511	225,048	186,916	200,888	2,779,312	2,794,476

## Monthly NEL Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.7%	7.2%	7.8%	8.8%	9.5%	10.2%	10.4%	9.4%	8.5%	7.0%	7.3%	100.0%
	2007	7.5%	6.7%	7.2%	7.3%	8.4%	9.2%	10.1%	10.8%	9.5%	9.2%	6.9%	7.2%	100.0%
	2008	7.5%	7.2%	7.5%	7.6%	9.2%	9.7%	9.8%	10.0%	9.5%	8.2%	6.8%	7.0%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.7%	9.6%	10.0%	10.2%	9.4%	9.0%	7.3%	7.0%	100.0%
	2010	8.4%	6.9%	6.8%	6.8%	8.9%	10.0%	10.3%	10.2%	9.3%	7.8%	6.6%	8.0%	100.0%
	2011	7.6%	6.5%	7.1%	8.2%	9.0%	9.7%	10.3%	10.6%	9.4%	7.8%	6.9%	6.9%	100.0%
	2012	7.3%	6.9%	7.6%	7.6%	9.0%	9.3%	10.5%	10.1%	9.3%	8.6%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.1%	7.8%	8.5%	9.6%	9.8%	10.4%	9.3%	8.8%	7.4%	7.4%	100.0%
	2014	8.1%	6.9%	7.3%	7.6%	8.8%	9.3%	10.2%	10.5%	9.1%	8.3%	6.9%	7.2%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	8.9%	9.6%	10.2%	10.0%	9.1%	8.3%	7.0%	7.6%	100.0%
Projected	2016	8.0%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.5%	100.0%
	2017	8.1%	7.2%	7.1%	7.4%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.4%	100.0%
	2018	8.1%	7.2%	7.1%	7.4%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.4%	100.0%
	2019	8.1%	7.2%	7.1%	7.4%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.4%	100.0%
	2020	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.4%	100.0%
	2021	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.4%	100.0%
	2022	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.4%	100.0%
	2023	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.4%	100.0%
	2024	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.4%	100.0%
	2025	8.1%	7.2%	7.1%	7.3%	8.2%	9.3%	10.4%	10.5%	9.4%	8.3%	6.9%	7.4%	100.0%
Avg.	2006-2015	7.5%	6.8%	7.2%	7.6%	8.8%	9.5%	10.1%	10.3%	9.3%	8.4%	6.9%	7.3%	100.0%
	2016-2025	8.1%	7.2%	7.1%	7.4%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.4%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Severe Weather Case**  
**FP&L Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										689.5	545.0	559.3	0.0	0.0
	2006	601.1	725.9	571.7	640.3	674.3	708.1	735.5	744.2	715.2	653.6	593.7	574.1	725.9	744.2
	2007	633.8	698.1	588.9	593.6	630.4	704.1	753.0	768.2	713.0	679.8	566.5	564.4	698.1	768.2
	2008	693.7	593.6	553.4	569.5	677.4	715.3	716.9	737.2	693.0	617.0	572.8	543.2	693.7	737.2
	2009	704.7	738.4	576.7	555.4	635.5	740.9	710.2	699.4	670.4	671.7	576.8	552.5	738.4	740.9
	2010	641.5	472.7	455.6	399.4	505.1	567.8	561.2	559.5	537.6	469.9	422.4	574.7	641.5	567.8
	2011	517.1	423.2	411.9	473.5	498.9	542.9	550.9	568.1	523.7	455.1	404.6	375.4	574.7	568.1
	2012	487.9	487.6	399.4	449.5	500.1	545.1	552.6	534.3	512.8	485.9	390.0	430.0	487.9	552.6
	2013	411.5	490.6	480.3	444.2	478.7	540.0	525.0	541.5	525.7	492.0	435.7	413.3	490.6	541.5
	2014	446.5	394.1	349.8	383.9	418.3	445.4	470.8	475.7	458.0	405.6	409.8	354.2	446.5	475.7
Projected	2015	384.0	476.8	356.4	417.3	437.7	471.5	478.3	469.9	455.3	405.7	372.4	378.3	476.8	478.3
	2016	464.5	479.8	381.6	392.6	447.8	484.9	498.6	498.7	468.2	423.9	374.1	382.5	479.8	498.7
	2017	469.7	485.2	385.9	396.9	452.8	490.3	504.1	504.2	473.4	428.6	377.8	385.6	485.2	504.2
	2018	473.5	489.2	388.9	399.9	456.3	494.1	508.0	508.2	477.0	431.9	380.7	388.9	489.2	508.2
	2019	477.6	493.5	392.2	403.2	460.1	498.3	512.2	512.4	481.0	435.5	383.9	392.3	493.5	512.4
	2020	480.3	495.5	393.6	404.8	462.1	500.6	514.7	514.8	483.2	437.3	385.2	393.7	495.5	514.8
	2021	483.9	499.2	396.6	407.8	465.6	504.4	518.6	518.7	486.8	440.6	388.0	396.5	499.2	518.7
	2022	487.3	502.8	399.4	410.7	468.8	507.9	522.2	522.4	490.2	443.7	390.7	399.1	502.8	522.4
	2023	490.6	506.2	402.0	413.4	471.9	511.2	525.7	525.8	493.4	446.6	393.2	401.6	506.2	525.8
	2024	493.8	509.4	404.5	416.0	474.8	514.4	529.0	529.1	496.5	449.4	395.6	404.0	509.4	529.1
Projected	2025	496.7	512.6	407.0	418.5	477.8	517.6	532.2	532.3	499.6	452.2	398.0	406.5	512.6	532.3
	2026	499.9	515.8	409.5	421.1	480.7	520.8	535.5	535.6	502.7	454.9	400.5	409.1	515.8	535.6
	2027	503.0	519.0	412.1	423.7	483.7	524.1	538.9	538.9	505.8	457.8	403.1	411.7	519.0	538.9
	2028	506.2	522.4	414.7	426.4	486.7	527.4	542.3	542.3	509.0	460.7	405.5	414.2	522.4	542.3
	2029	509.3	525.6	417.2	429.0	489.7	530.6	545.6	545.6	512.1	463.5	408.0	416.6	525.6	545.6
	2030	512.3	528.7	419.6	431.4	492.5	533.6	548.7	548.7	515.0	466.1	410.3	418.9	528.7	548.7
	2031	515.1	531.7	421.9	433.7	495.1	536.5	551.7	551.7	517.8	468.6	412.6	421.2	531.7	551.7
	2032	518.1	534.8	424.2	436.1	497.9	539.5	554.8	554.8	520.7	471.2	414.8	423.5	534.8	554.8
	2033	521.0	537.9	426.5	438.4	500.6	542.5	557.9	557.8	523.5	473.7	417.1	425.9	537.9	557.9
	2034	524.0	541.0	428.9	440.8	503.3	545.5	561.0	560.9	526.4	476.3	419.4	428.2	541.0	561.0
	2035	527.0	544.1	431.2	443.1	506.0	548.4	564.0	563.9	529.2	463.8	409.5	416.7	544.1	564.0

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.3%	64.7%	66.6%		
	2006	59.8%	51.2%	62.7%	60.7%	71.9%	67.0%	71.5%	69.6%	67.5%	65.0%	59.1%	65.5%	58.4%	56.9%
	2007	59.3%	53.3%	61.9%	62.3%	74.5%	65.5%	69.9%	70.7%	69.0%	68.1%	60.9%	66.7%	61.2%	55.6%
	2008	52.7%	62.6%	65.6%	64.9%	72.8%	65.7%	68.4%	65.5%	68.3%	64.7%	57.6%	64.4%	59.3%	55.8%
	2009	50.9%	48.2%	59.2%	63.6%	72.4%	61.8%	69.3%	69.7%	68.9%	63.7%	58.2%	65.4%	54.9%	54.7%
	2010	50.3%	62.0%	57.2%	65.1%	75.3%	67.6%	72.8%	69.8%	69.0%	63.5%	59.9%	55.4%	50.8%	57.4%
	2011	54.3%	63.5%	64.0%	64.1%	74.3%	66.2%	72.2%	69.2%	68.9%	64.0%	63.8%	71.1%	55.0%	55.6%
	2012	54.5%	55.2%	69.6%	61.9%	72.8%	62.3%	71.6%	69.1%	68.4%	64.6%	62.6%	63.9%	63.7%	56.2%
	2013	64.1%	55.3%	54.4%	64.1%	71.8%	65.1%	70.4%	70.4%	67.0%	65.1%	61.9%	68.0%	63.3%	57.4%
	2014	56.4%	60.2%	64.6%	61.2%	72.5%	64.8%	69.5%	68.6%	63.6%	63.5%	52.1%	65.6%	59.1%	55.5%
	2015	60.8%	49.8%	67.1%	61.6%	72.7%	65.3%	70.8%	68.7%	66.8%	65.9%	60.8%	66.6%	57.4%	57.2%
Projected	2016	57.7%	53.3%	62.2%	62.4%	67.4%	63.6%	71.6%	69.9%	69.1%	65.2%	61.6%	67.1%	59.0%	56.8%
	2017	58.0%	55.4%	62.4%	62.5%	67.4%	63.6%	71.5%	69.8%	68.9%	65.0%	61.6%	67.1%	59.0%	56.8%
	2018	58.0%	55.4%	62.3%	62.5%	67.4%	63.6%	71.5%	69.8%	68.9%	65.1%	61.6%	67.1%	59.0%	56.8%
	2019	58.0%	55.3%	62.3%	62.4%	67.4%	63.6%	71.5%	69.8%	68.9%	65.1%	61.6%	67.1%	58.9%	56.8%
	2020	57.9%	53.4%	62.2%	62.3%	67.3%	63.5%	71.4%	69.7%	68.9%	65.0%	61.5%	67.0%	58.9%	56.7%
	2021	57.9%	55.3%	62.2%	62.4%	67.3%	63.5%	71.4%	69.7%	68.9%	65.0%	61.5%	67.0%	58.9%	56.7%
	2022	57.9%	55.3%	62.2%	62.4%	67.3%	63.5%	71.4%	69.7%	68.9%	65.0%	61.5%	67.0%	58.9%	56.7%
	2023	57.9%	55.3%	62.2%	62.4%	67.3%	63.5%	71.4%	69.7%	68.9%	64.9%	61.5%	67.0%	58.9%	56.7%
	2024	57.9%	53.4%	62.2%	62.3%	67.3%	63.5%	71.4%	69.7%	68.9%	64.9%	61.5%	67.0%	58.8%	56.7%
	2025	58.0%	55.3%	62.2%	62.3%	67.3%	63.5%	71.4%	69.7%	68.9%	64.9%	61.5%	67.0%	58.8%	56.7%
Avg.	2006-2015	56.3%	56.1%	62.6%	63.0%	73.1%	65.1%	70.6%	69.1%	67.7%	64.8%	59.7%	65.3%	58.3%	56.2%
	2016-2025	57.9%	54.7%	62.2%	62.4%	67.3%	63.6%	71.5%	69.8%	68.9%	65.0%	61.5%	67.0%	58.9%	56.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Severe Weather Case**  
**FP&L Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	532.2	707.5	539.6	590.8	649.4	690.5	708.8	730.4	666.9	618.4	532.4	509.7	707.5	730.4
	2007	575.4	588.1	493.9	557.4	619.2	661.7	728.0	750.9	697.5	636.2	542.6	492.1	588.1	750.9
	2008	670.8	508.5	515.3	537.1	660.7	686.2	692.0	719.7	650.8	567.0	512.5	486.3	670.8	719.7
	2009	689.0	709.9	523.0	497.1	616.7	731.3	676.0	673.7	643.7	658.7	507.7	469.9	709.9	731.3
	2010	631.0	449.9	436.3	363.4	455.8	553.1	547.2	552.7	507.9	461.0	385.5	544.4	631.0	553.1
	2011	500.8	365.5	374.8	458.0	465.0	519.7	523.8	534.8	472.2	443.3	385.4	340.4	544.4	534.8
	2012	469.7	440.5	381.5	430.4	470.5	487.5	527.2	502.8	475.1	467.8	343.0	349.1	469.7	527.2
	2013	321.0	423.2	425.0	423.2	466.1	515.3	478.7	524.0	503.5	465.1	408.2	370.8	425.0	524.0
	2014	384.4	331.5	304.0	378.9	404.1	424.2	452.6	452.1	412.6	392.8	322.8	308.9	384.4	452.1
	2015	319.7	456.4	333.9	368.4	434.7	444.3	450.7	438.2	446.2	390.9	328.0	340.3	456.4	444.3
Projected	2016	419.2	433.3	346.0	369.8	431.5	460.9	473.0	477.5	442.4	408.4	329.5	344.0	419.2	477.5
	2017	423.8	438.1	349.9	373.9	436.2	466.0	478.2	482.8	447.3	413.0	332.8	346.8	423.8	482.8
	2018	427.4	441.8	352.6	376.7	439.6	469.6	481.9	486.5	450.8	416.1	335.3	349.8	427.4	486.5
	2019	431.1	445.8	355.6	379.8	443.2	473.6	486.0	490.6	454.5	419.6	338.1	352.9	431.1	490.6
	2020	433.4	447.7	356.8	381.2	445.1	475.7	488.2	492.9	456.5	421.3	339.1	354.0	433.4	492.9
	2021	436.6	451.1	359.5	384.1	448.5	479.2	491.9	496.6	459.9	424.4	341.6	356.5	436.6	496.6
	2022	439.8	454.3	362.0	386.7	451.6	482.6	495.4	500.1	463.1	427.4	343.9	358.9	439.8	500.1
	2023	442.7	457.4	364.4	389.3	454.6	485.7	498.6	503.3	466.1	430.2	346.1	361.2	442.7	503.3
	2024	445.6	460.3	366.7	391.7	457.4	488.8	501.8	506.5	469.1	432.9	348.2	363.4	445.6	506.5
	2025	448.4	463.2	369.0	394.1	460.2	491.8	504.9	509.6	471.9	435.5	350.4	365.7	448.4	509.6
Projected	2026	451.2	466.1	371.2	396.5	463.0	494.8	508.0	512.8	474.8	438.2	352.6	368.0	451.2	512.8
	2027	454.0	469.0	373.6	399.0	465.9	497.9	511.2	516.0	477.8	440.9	354.8	370.4	454.0	516.0
	2028	456.9	472.0	376.0	401.5	468.9	501.0	514.4	519.2	480.8	443.7	357.0	372.6	456.9	519.2
	2029	459.7	475.0	378.3	403.9	471.7	504.1	517.6	522.4	483.7	446.4	359.2	374.8	459.7	522.4
	2030	462.4	477.8	380.4	406.2	474.4	506.9	520.6	525.4	486.5	448.9	361.2	376.9	462.4	525.4
	2031	465.1	480.5	382.5	408.3	477.0	509.7	523.4	528.2	489.1	451.3	363.2	379.1	465.1	528.2
	2032	467.8	483.4	384.6	410.5	479.6	512.5	526.3	531.2	491.8	453.7	365.2	381.2	467.8	531.2
	2033	470.5	486.2	386.8	412.7	482.2	515.3	529.3	534.1	494.5	456.2	367.2	383.4	470.5	534.1
	2034	473.2	489.1	388.9	414.9	484.8	518.1	532.2	537.0	497.1	458.7	369.2	385.5	473.2	537.0
	2035	476.0	491.9	391.0	417.1	487.4	520.9	535.1	539.9	499.8	446.3	360.3	375.1	476.0	539.9

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.1%	96.6%	87.1%		
	2006	88.5%	97.5%	94.4%	92.3%	96.3%	97.5%	96.4%	98.1%	93.2%	94.6%	89.7%	88.8%	97.5%	98.1%
	2007	90.8%	84.2%	83.9%	93.9%	98.2%	94.0%	96.7%	97.8%	97.8%	93.6%	95.8%	87.2%	84.2%	97.8%
	2008	96.7%	85.7%	93.1%	94.3%	97.5%	95.9%	96.5%	97.6%	93.9%	91.9%	89.5%	89.5%	96.7%	97.6%
	2009	97.8%	96.1%	90.7%	89.5%	97.0%	98.7%	95.2%	96.3%	96.0%	98.1%	88.0%	85.0%	96.1%	98.7%
	2010	98.4%	95.2%	95.7%	91.0%	90.2%	97.4%	97.5%	98.8%	94.5%	98.1%	91.3%	94.7%	98.4%	97.4%
	2011	96.9%	86.4%	91.0%	96.7%	93.2%	95.7%	95.1%	94.1%	90.2%	97.4%	95.2%	90.7%	94.7%	94.1%
	2012	96.3%	90.3%	95.5%	95.7%	94.1%	89.4%	95.4%	94.1%	92.7%	96.3%	88.0%	81.2%	96.3%	95.4%
	2013	78.0%	86.3%	88.5%	95.3%	97.4%	95.4%	91.2%	96.8%	95.8%	94.5%	93.7%	89.7%	86.6%	96.8%
	2014	86.1%	84.1%	86.9%	98.7%	96.6%	95.2%	96.1%	95.0%	90.1%	96.8%	78.8%	87.2%	86.1%	95.0%
	2015	83.3%	95.7%	93.7%	88.3%	99.3%	94.2%	94.2%	93.3%	98.0%	96.3%	88.1%	89.9%	95.7%	92.9%
Projected	2016	90.2%	90.3%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.4%	95.7%
	2017	90.2%	90.3%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.9%	87.3%	95.7%
	2018	90.3%	90.3%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	90.0%	87.4%	95.7%
	2019	90.3%	90.3%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	90.0%	87.4%	95.7%
	2020	90.2%	90.4%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2021	90.2%	90.4%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2022	90.2%	90.4%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2023	90.3%	90.4%	90.6%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2024	90.3%	90.4%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.5%	95.7%
	2025	90.3%	90.4%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	90.0%	87.5%	95.7%
2006-2015		91.3%	90.2%	91.3%	93.6%	96.0%	95.4%	95.4%	96.2%	94.2%	95.8%	89.8%	88.4%	93.2%	96.4%
2016-2025		90.2%	90.3%	90.7%	94.2%	96.3%	95.0%	94.9%	95.7%	94.5%	96.3%	88.0%	89.9%	87.4%	95.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Severe Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Historical and Projected Net Energy for Load and ARP Coincident Peak Demand**

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
<b>Historical</b>	2006	2,055,682	-	2,038,120	-	-0.9%	416.8	-	412.1	-	-1.1%	434.3	-	459.7		5.9%
	2007	2,035,888	-1.0%	2,049,430	0.6%	0.7%	364.2	-12.6%	386.7	-6.2%	6.2%	449.2	3.4%	438.6	-4.6%	-2.4%
	2008	1,960,379	-3.7%	1,969,045	-3.9%	0.4%	395.4	8.6%	381.5	-1.4%	-3.5%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,556	-1.8%	-0.3%	432.9	9.5%	404.6	6.1%	-6.5%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,090	-2.1%	-5.1%	466.6	7.8%	397.3	-1.8%	-14.9%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,916	-2.3%	-4.2%	416.1	-10.8%	406.0	2.2%	-2.4%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,948	-1.5%	0.0%	381.2	-8.4%	361.3	-11.0%	-5.2%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,620	0.2%	-0.2%	342.2	-10.2%	353.3	-2.2%	3.3%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,924	0.9%	-0.6%	371.1	8.5%	392.4	11.1%	5.7%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,898	0.6%	-2.6%	407.6	9.8%	405.9	3.4%	-0.4%	419.6	3.3%	443.8	7.9%	5.8%
<b>Projected</b>	2016	1,949,312	2.5%	1,949,312	5.2%		408.8	0.3%	408.8	0.7%		423.5	0.9%	423.5	-4.6%	
	2017			1,977,624	1.5%				414.7	1.4%				429.7	1.5%	
	2018			2,005,839	1.4%				420.5	1.4%				435.8	1.4%	
	2019			2,032,993	1.4%				426.0	1.3%				441.6	1.3%	
	2020			2,059,687	1.3%				431.5	1.3%				447.3	1.3%	
	2021			2,083,435	1.2%				436.5	1.1%				452.5	1.1%	
	2022			2,107,785	1.2%				441.5	1.2%				457.7	1.2%	
	2023			2,131,918	1.1%				446.5	1.1%				463.0	1.1%	
	2024			2,157,310	1.2%				451.8	1.2%				468.4	1.2%	
	2025			2,179,752	1.0%				456.4	1.0%				473.3	1.0%	
	2026			2,203,381	1.1%				461.4	1.1%				478.4	1.1%	
	2027			2,227,126	1.1%				466.3	1.1%				483.6	1.1%	
	2028			2,252,149	1.1%				471.5	1.1%				489.0	1.1%	
	2029			2,273,927	1.0%				476.0	1.0%				493.7	1.0%	
	2030			2,296,708	1.0%				480.7	1.0%				498.6	1.0%	
	2031			2,318,871	1.0%				485.3	1.0%				503.4	1.0%	
	2032			2,342,056	1.0%				490.1	1.0%				508.4	1.0%	
	2033			2,361,980	0.9%				494.2	0.8%				512.7	0.9%	
	2034			2,383,149	0.9%				498.6	0.9%				517.3	0.9%	
	2035			2,404,297	0.9%				503.0	0.9%				521.9	0.9%	
<b>CAGR<sup>[3]</sup></b>	2006-2015		-0.9%		-1.1%			-0.2%		-0.2%			-0.4%		-0.4%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 28.81 MW beginning Jan-20

# FMPA 2016 Load Forecast - Severe Weather Case

## Duke Energy Florida Cities - Supplied

### Monthly Net Energy for Load (MWh)

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										167,643	137,892	157,409	462,943	0
	2006	155,704	146,152	146,401	157,322	181,445	191,882	207,167	217,089	189,577	166,850	143,045	148,655	2,051,289	2,055,682
	2007	153,684	143,790	148,751	148,736	172,340	190,674	205,149	223,342	190,872	176,047	137,924	144,504	2,035,813	2,035,888
	2008	153,013	137,244	141,076	147,111	176,933	185,030	190,577	189,513	181,407	154,821	137,073	143,509	1,937,308	1,960,379
	2009	159,379	141,894	141,979	139,972	167,009	192,539	189,754	191,240	180,729	167,870	128,831	145,529	1,946,724	1,939,898
	2010	176,160	148,675	136,810	134,621	178,818	195,352	200,598	199,701	181,087	147,779	129,686	176,651	2,005,939	1,994,053
	2011	152,375	126,194	131,429	147,730	169,503	183,822	188,565	201,342	175,698	137,798	125,307	132,269	1,872,030	1,930,773
	2012	142,196	125,894	139,027	142,877	169,382	164,976	186,229	183,698	170,677	152,038	126,540	137,410	1,840,943	1,820,328
	2013	135,758	126,422	136,897	141,458	156,355	174,618	175,873	189,899	174,475	153,896	127,773	135,566	1,828,991	1,827,744
	2014	161,655	125,071	129,480	138,377	163,443	171,918	185,775	193,339	167,658	149,219	131,467	140,713	1,858,115	1,853,952
	2015	146,342	135,477	142,180	151,137	172,147	185,413	185,670	190,005	172,729	151,916	129,559	158,160	1,920,734	1,902,497
Projected	2016	165,331	139,407	139,111	142,687	159,597	183,657	197,544	204,593	177,752	154,182	132,122	159,907	1,955,889	1,949,312
	2017	167,845	140,485	141,723	144,481	162,382	186,178	200,382	207,833	180,103	156,446	134,040	162,195	1,984,094	1,977,624
	2018	170,213	142,566	143,679	146,500	164,708	188,719	203,256	210,829	182,688	158,695	135,956	164,449	2,012,259	2,005,839
	2019	172,609	144,539	145,597	148,461	166,897	191,202	205,923	213,589	185,074	160,758	137,706	166,525	2,038,881	2,032,993
	2020	174,785	147,689	147,410	150,315	168,971	193,563	208,450	216,197	187,319	162,725	139,397	168,564	2,065,384	2,059,687
	2021	176,904	148,140	149,224	152,168	171,042	195,923	210,975	218,806	189,567	164,677	141,063	170,558	2,089,047	2,083,435
	2022	178,968	149,867	150,971	153,954	173,039	198,199	213,412	221,330	191,748	166,579	142,696	172,514	2,113,276	2,107,785
	2023	180,995	151,575	152,704	155,731	175,029	200,468	215,845	223,852	193,930	168,481	144,327	174,471	2,137,408	2,131,918
	2024	183,020	154,679	154,427	157,495	177,003	202,717	218,254	226,348	196,088	170,361	145,938	176,401	2,162,731	2,157,310
	2025	185,021	154,969	156,145	159,254	178,972	204,962	220,657	228,836	198,237	172,232	147,542	178,320	2,185,146	2,179,752
Projected	2026	187,007	156,636	157,838	160,990	180,919	207,181	223,036	231,304	200,376	174,100	149,146	180,246	2,208,779	2,203,381
	2027	189,003	158,316	159,543	162,739	182,879	209,415	225,430	233,785	202,522	175,971	150,752	182,171	2,232,529	2,227,126
	2028	190,996	161,454	161,236	164,472	184,818	211,623	227,791	236,230	204,634	177,810	152,327	184,057	2,257,448	2,252,149
	2029	192,947	161,640	162,911	166,186	186,736	213,808	230,130	238,651	206,725	179,630	153,887	185,925	2,279,175	2,273,927
	2030	194,880	163,258	164,549	167,860	188,607	215,937	232,407	241,007	208,759	181,400	155,403	187,739	2,301,808	2,296,708
	2031	196,755	164,834	166,145	169,491	190,429	218,010	234,625	243,301	210,738	183,123	156,879	189,504	2,323,834	2,318,871
	2032	198,580	167,893	167,702	171,085	192,211	220,040	236,800	245,555	212,685	184,821	158,336	191,248	2,346,955	2,342,056
	2033	200,378	167,894	169,251	172,670	193,981	222,053	238,954	247,783	214,610	186,499	159,776	192,969	2,366,818	2,361,980
	2034	202,155	169,389	170,772	174,229	195,725	224,040	241,084	249,992	216,520	188,167	161,208	194,686	2,387,967	2,383,149
	2035	203,931	170,886	172,293	175,787	197,468	226,027	243,214	252,200	218,430	189,833	162,639	196,401	2,409,110	2,404,297

### Monthly NEL Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.1%	7.1%	7.7%	8.8%	9.4%	10.1%	10.6%	9.2%	8.1%	7.0%	7.2%	100.0%
	2007	7.5%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	11.0%	9.4%	8.6%	6.8%	7.1%	100.0%
	2008	7.9%	7.1%	7.3%	7.6%	9.1%	9.6%	9.8%	9.8%	9.4%	8.0%	7.1%	7.4%	100.0%
	2009	8.2%	7.3%	7.3%	7.2%	8.6%	9.9%	9.7%	9.8%	9.3%	8.6%	6.6%	7.5%	100.0%
	2010	8.8%	7.4%	6.8%	6.7%	8.9%	9.7%	10.0%	10.0%	9.0%	7.4%	6.5%	8.8%	100.0%
	2011	8.1%	6.7%	7.0%	7.9%	9.1%	9.8%	10.1%	10.8%	9.4%	7.4%	6.7%	7.1%	100.0%
	2012	7.7%	6.8%	7.6%	7.8%	9.2%	9.0%	10.1%	10.0%	9.3%	8.3%	6.9%	7.5%	100.0%
	2013	7.4%	6.9%	7.5%	7.7%	8.5%	9.5%	9.6%	10.4%	9.5%	8.4%	7.0%	7.4%	100.0%
	2014	8.7%	6.7%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.0%	8.0%	7.1%	7.6%	100.0%
	2015	7.6%	7.1%	7.4%	7.9%	9.0%	9.7%	9.9%	9.9%	9.0%	7.9%	6.7%	8.2%	100.0%
Projected	2016	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2017	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2018	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2019	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2020	8.5%	7.2%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.7%	8.2%	100.0%
	2021	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2022	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2023	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
	2024	8.5%	7.2%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.7%	8.2%	100.0%
	2025	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%
Avg.	2006-2015	8.0%	7.0%	7.2%	7.5%	8.8%	9.5%	9.9%	10.3%	9.3%	8.1%	6.8%	7.6%	100.0%
	2016-2025	8.5%	7.1%	7.1%	7.3%	8.2%	9.4%	10.1%	10.5%	9.1%	7.9%	6.8%	8.2%	100.0%

1 2 3 4 5 6 7 8 9 10 11 12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Severe Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										363.1	286.5	338.9	0.0	0.0
	2006	357.3	417.1	287.8	374.1	397.2	418.8	426.6	441.2	404.1	379.1	294.0	300.7	417.1	441.2
	2007	367.8	367.0	315.3	337.6	367.4	422.4	435.9	452.7	421.1	387.7	286.1	305.5	367.8	452.7
	2008	395.6	337.0	288.3	316.6	374.4	425.5	414.5	421.7	395.8	341.0	318.2	342.0	395.6	425.5
	2009	440.9	448.0	343.4	307.7	378.1	438.4	401.7	416.1	381.1	389.8	263.4	318.1	448.0	438.4
	2010	469.5	375.8	336.2	283.3	374.4	425.4	419.3	421.2	398.0	344.9	276.1	420.5	469.5	425.4
	2011	403.3	334.3	261.1	356.0	380.1	415.7	403.6	416.2	376.6	307.4	267.9	266.6	420.5	416.2
	2012	385.4	369.1	287.6	329.8	367.7	383.7	391.7	391.4	380.7	346.5	277.1	289.2	385.4	391.7
	2013	288.9	344.0	346.7	315.0	346.3	389.5	387.3	402.4	388.4	339.6	283.2	281.1	346.7	402.4
	2014	374.8	325.7	261.6	341.9	364.5	383.8	395.6	413.9	394.8	346.7	335.6	306.2	374.8	413.9
Projected	2015	343.1	408.2	296.5	328.9	381.3	423.0	396.0	415.0	389.6	354.1	282.8	315.3	408.2	423.0
	2016	409.9	371.9	303.5	325.5	380.9	419.9	410.8	430.3	400.0	360.4	286.5	319.5	409.9	430.3
	2017	415.8	377.3	307.9	330.2	386.5	426.0	416.7	436.6	405.8	365.6	290.6	324.0	415.8	436.6
	2018	421.7	382.6	312.2	334.9	391.9	432.1	422.6	442.8	411.5	370.8	294.4	328.3	421.7	442.8
	2019	427.2	387.7	316.4	339.4	397.1	437.8	428.2	448.6	417.0	375.7	298.3	332.5	427.2	448.6
	2020	432.8	392.7	320.5	343.8	402.3	443.5	433.8	454.5	422.4	380.6	301.7	336.3	432.8	454.5
	2021	437.7	397.2	324.1	347.7	406.9	448.5	438.8	459.7	427.2	384.9	305.2	340.2	437.7	459.7
	2022	442.7	401.8	327.9	351.7	411.6	453.7	443.8	465.0	432.2	389.4	308.7	344.1	442.7	465.0
	2023	447.8	406.4	331.6	355.7	416.3	458.9	448.9	470.3	437.1	393.8	312.3	348.1	447.8	470.3
	2024	453.1	411.1	335.5	359.9	421.2	464.3	454.2	475.9	442.3	398.5	315.5	351.7	453.1	475.9
Projected	2025	457.7	415.4	339.0	363.7	425.6	469.2	458.9	480.8	446.9	402.6	318.9	355.5	457.7	480.8
	2026	462.7	419.9	342.6	367.6	430.2	474.2	463.9	486.0	451.7	407.0	322.4	359.3	462.7	486.0
	2027	467.6	424.4	346.3	371.6	434.8	479.3	468.9	491.2	456.5	411.4	326.0	363.3	467.6	491.2
	2028	472.8	429.1	350.2	375.7	439.6	484.7	474.1	496.7	461.6	415.9	329.1	366.8	472.8	496.7
	2029	477.3	433.2	353.5	379.3	443.9	489.3	478.7	501.5	466.1	419.9	332.4	370.4	477.3	501.5
	2030	482.1	437.5	357.0	383.1	448.3	494.2	483.4	506.5	470.7	424.1	335.5	374.0	482.1	506.5
	2031	486.7	441.7	360.4	386.7	452.6	498.9	488.0	511.3	475.2	428.2	338.9	377.7	486.7	511.3
	2032	491.5	446.1	364.0	390.6	457.1	503.9	492.9	516.4	480.0	432.4	341.7	380.9	491.5	516.4
	2033	495.6	449.9	367.1	393.9	460.9	508.1	497.1	520.8	484.0	436.1	344.8	384.3	495.6	520.8
	2034	500.1	453.9	370.3	397.4	465.0	512.7	501.5	525.4	488.3	440.0	347.9	387.7	500.1	525.4
	2035	504.5	457.9	373.6	400.9	469.1	517.2	506.0	530.1	492.7	443.9	351.2	391.3	504.5	530.1

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.1%	64.7%	64.5%		
	2006	58.6%	52.1%	68.4%	56.5%	68.0%	61.6%	67.5%	66.1%	65.2%	59.2%	65.4%	68.7%	56.1%	53.1%
	2007	56.2%	58.3%	63.4%	59.2%	69.8%	60.7%	65.4%	66.3%	63.0%	61.0%	64.8%	65.7%	63.2%	51.3%
	2008	52.0%	58.5%	65.8%	62.5%	70.3%	58.4%	63.9%	60.4%	63.7%	61.0%	57.9%	58.3%	55.9%	52.0%
	2009	48.6%	47.1%	55.6%	61.1%	65.7%	59.0%	65.6%	61.8%	65.9%	57.9%	65.7%	63.5%	49.6%	50.7%
	2010	50.4%	58.9%	54.7%	63.9%	71.1%	61.7%	66.4%	63.7%	63.2%	57.6%	63.1%	58.4%	48.8%	53.8%
	2011	50.8%	56.2%	67.7%	55.8%	66.4%	59.4%	64.9%	65.0%	64.8%	60.3%	62.9%	68.9%	50.8%	51.3%
	2012	49.6%	49.0%	65.0%	58.2%	68.6%	57.8%	66.0%	63.1%	62.3%	59.0%	61.4%	66.0%	54.5%	53.6%
	2013	63.2%	54.7%	53.1%	60.4%	67.2%	60.3%	63.1%	63.4%	62.4%	60.9%	60.6%	67.0%	60.2%	51.9%
	2014	58.0%	57.1%	66.5%	54.4%	66.7%	60.2%	65.2%	62.8%	59.0%	57.9%	52.7%	63.8%	56.6%	51.2%
Projected	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	57.7%	61.6%	69.7%	53.7%	51.8%
	2016	54.2%	53.9%	61.6%	58.9%	62.3%	58.8%	66.8%	63.9%	61.7%	57.5%	62.0%	69.5%	54.5%	51.9%
	2017	54.3%	55.4%	61.9%	58.8%	62.5%	58.7%	66.8%	64.0%	61.6%	57.5%	62.0%	69.5%	54.5%	51.9%
	2018	54.3%	55.4%	61.8%	58.8%	62.5%	58.7%	66.8%	64.0%	61.7%	57.5%	62.1%	69.6%	54.5%	51.9%
	2019	54.3%	55.5%	61.9%	58.8%	62.5%	58.7%	66.8%	64.0%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%
	2020	54.3%	54.0%	61.8%	58.8%	62.5%	58.7%	66.7%	63.9%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%
	2021	54.3%	55.5%	61.9%	58.8%	62.6%	58.7%	66.8%	64.0%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%
	2022	54.3%	55.5%	61.9%	58.8%	62.6%	58.7%	66.8%	64.0%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%
	2023	54.3%	55.5%	61.9%	58.8%	62.6%	58.7%	66.8%	64.0%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%
	2024	54.3%	54.1%	61.9%	58.8%	62.5%	58.7%	66.7%	63.9%	61.6%	57.5%	62.2%	69.7%	54.5%	51.9%
Avg.	2006-2015	54.5%	54.1%	62.4%	59.4%	68.1%	59.8%	65.3%	63.4%	63.1%	59.2%	61.6%	65.0%	54.9%	52.1%
	2016-2025	54.3%	55.0%	61.8%	58.8%	62.5%	58.7%	66.8%	64.0%	61.6%	57.5%	62.1%	69.6%	54.5%	51.9%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



**FMPA 2016 Load Forecast - Severe Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	320.8	416.8	270.9	373.9	382.9	418.3	423.6	434.3	386.9	373.2	275.9	267.3	416.8	434.3
	2007	367.5	364.2	292.3	337.0	360.8	420.7	433.0	449.2	415.3	382.3	283.8	263.0	364.2	449.2
	2008	395.4	336.2	285.0	305.1	356.2	424.7	413.4	420.5	390.7	334.4	279.8	341.6	395.4	420.5
	2009	440.2	432.9	342.8	306.2	376.5	438.2	388.0	412.2	377.7	379.0	223.8	317.7	432.9	438.2
	2010	466.6	371.9	334.6	276.5	364.8	415.8	407.1	411.2	387.8	331.9	259.9	416.1	466.6	415.8
	2011	401.6	333.5	226.8	342.8	371.8	410.6	391.9	407.5	370.5	304.0	258.2	234.1	416.1	407.5
	2012	381.2	368.7	278.6	313.0	345.0	368.2	373.5	385.4	377.9	341.7	227.0	288.9	381.2	373.5
	2013	285.3	342.3	342.2	299.4	332.8	362.9	379.0	391.2	375.9	333.9	265.3	243.1	342.2	391.2
	2014	371.1	325.5	209.1	340.6	356.6	377.0	377.7	406.2	389.8	342.2	330.7	303.1	371.1	406.2
	2015	342.6	407.6	288.1	320.9	376.9	419.6	387.0	406.6	372.9	348.5	265.1	297.3	407.6	419.6
Projected	2016	408.8	371.4	282.0	318.8	370.3	412.2	398.7	423.5	393.4	354.7	268.7	301.3	408.8	423.5
	2017	414.7	376.8	286.1	323.4	375.7	418.2	404.5	429.7	399.1	359.9	272.5	305.5	414.7	429.7
	2018	420.5	382.1	290.2	328.0	381.0	424.1	410.2	435.8	404.8	365.0	276.1	309.6	420.5	435.8
	2019	426.0	387.2	294.0	332.3	386.1	429.7	415.6	441.6	410.2	369.8	279.7	313.6	426.0	441.6
	2020	431.5	392.2	297.8	336.6	391.1	435.3	421.0	447.3	415.5	374.6	282.9	317.1	431.5	447.3
	2021	436.5	396.7	301.2	340.5	395.6	440.3	425.9	452.5	420.3	378.9	286.1	320.8	436.5	452.5
	2022	441.5	401.3	304.7	344.5	400.2	445.4	430.8	457.7	425.2	383.3	289.4	324.5	441.5	457.7
	2023	446.5	405.8	308.2	348.4	404.7	450.5	435.7	463.0	430.0	387.7	292.8	328.3	446.5	463.0
	2024	451.8	410.6	311.8	352.5	409.5	455.8	440.9	468.4	435.1	392.3	295.9	331.7	451.8	468.4
	2025	456.4	414.9	315.0	356.2	413.8	460.6	445.5	473.3	439.6	396.4	299.1	335.2	456.4	473.3
Projected	2026	461.4	419.4	318.4	360.0	418.2	465.5	450.3	478.4	444.4	400.6	302.3	338.8	461.4	478.4
	2027	466.3	423.9	321.9	363.9	422.7	470.5	455.1	483.6	449.2	405.0	305.7	342.6	466.3	483.6
	2028	471.5	428.6	325.5	368.0	427.5	475.8	460.2	489.0	454.2	409.5	308.6	345.9	471.5	489.0
	2029	476.0	432.7	328.6	371.5	431.6	480.4	464.7	493.7	458.6	413.4	311.7	349.3	476.0	493.7
	2030	480.7	437.0	331.8	375.2	435.9	485.1	469.3	498.6	463.1	417.5	314.6	352.6	480.7	498.6
	2031	485.3	441.2	335.0	378.8	440.0	489.8	473.8	503.4	467.6	421.5	317.8	356.1	485.3	503.4
	2032	490.1	445.6	338.3	382.6	444.4	494.7	478.5	508.4	472.2	425.7	320.5	359.1	490.1	508.4
	2033	494.2	449.3	341.1	385.8	448.2	498.9	482.5	512.7	476.2	429.3	323.3	362.3	494.2	512.7
	2034	498.6	453.4	344.2	389.2	452.2	503.3	486.9	517.3	480.5	433.2	326.2	365.6	498.6	517.3
	2035	503.0	457.4	347.2	392.7	456.2	507.8	491.2	521.9	484.8	437.0	329.3	369.0	503.0	521.9

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.6%	99.0%	99.8%		
	2006	89.8%	99.9%	94.1%	99.9%	96.4%	99.9%	99.3%	98.4%	95.7%	98.4%	93.9%	88.9%	99.9%	98.4%
	2007	99.9%	99.2%	92.7%	99.8%	98.2%	99.6%	99.3%	99.2%	98.6%	98.6%	99.2%	86.1%	99.0%	99.2%
	2008	99.9%	99.7%	98.8%	96.4%	95.1%	99.8%	99.7%	99.7%	98.7%	98.1%	87.9%	99.9%	99.9%	98.8%
	2009	99.9%	96.6%	99.8%	99.5%	99.6%	100.0%	96.6%	99.0%	99.1%	97.2%	85.0%	99.9%	96.6%	100.0%
	2010	99.4%	99.0%	99.5%	97.6%	97.5%	97.7%	97.1%	97.6%	97.4%	96.3%	94.2%	99.0%	99.4%	97.7%
	2011	99.6%	99.8%	86.9%	96.3%	97.8%	98.8%	97.1%	97.9%	98.4%	98.9%	96.4%	87.8%	99.0%	97.9%
	2012	98.9%	99.9%	96.9%	94.9%	93.8%	96.0%	95.3%	98.5%	99.3%	98.6%	81.9%	99.9%	98.9%	95.3%
	2013	98.7%	99.5%	98.7%	95.1%	96.1%	93.2%	97.8%	97.2%	96.8%	98.3%	93.7%	86.5%	98.7%	97.2%
	2014	99.0%	99.9%	80.0%	99.6%	97.8%	98.2%	95.5%	98.1%	98.7%	98.7%	98.5%	99.0%	99.0%	98.1%
	2015	99.9%	99.8%	97.2%	97.6%	98.9%	99.2%	97.7%	98.0%	95.7%	98.4%	93.8%	94.3%	99.8%	99.2%
Projected	2016	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2017	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2018	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2019	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2020	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2021	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2022	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2023	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2024	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2006-2015	98.5%	99.3%	94.5%	97.7%	97.1%	98.2%	97.6%	98.4%	97.8%	98.2%	92.4%	94.1%	99.0%	98.2%
	2016-2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case  
**Total Agency - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	7,203,740	-	7,156,396	-	-0.7%	1,401.3	-	1,319.2	-	-5.9%	1,477.7	-	1,535.6		3.9%
	2007	7,209,394	0.1%	7,187,165	0.4%	-0.3%	1,202.3	-14.2%	1,294.3	-1.9%	7.7%	1,521.2	2.9%	1,506.5	-1.9%	-1.0%
	2008	7,091,611	-1.6%	7,066,648	-1.7%	-0.4%	1,330.2	10.6%	1,326.6	2.5%	-0.3%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,815,289	-3.6%	-0.5%	1,418.5	6.6%	1,305.0	-1.6%	-8.0%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,166,608	-9.5%	-4.7%	1,412.0	-0.5%	1,188.1	-9.0%	-15.9%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,915,358	-4.1%	-3.8%	1,258.3	-10.9%	1,237.6	4.2%	-1.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,937,619	0.4%	0.4%	1,096.7	-12.8%	1,089.3	-12.0%	-0.7%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,930,152	-0.1%	0.3%	1,009.9	-7.9%	1,029.5	-5.5%	1.9%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,149	-4.6%	-1.4%	996.9	-1.3%	1,113.4	8.1%	11.7%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,634,802	-0.4%	-2.5%	1,128.5	13.2%	1,050.8	-5.6%	-6.9%	1,194.4	0.8%	1,250.8	4.9%	4.7%
Projected	2016	5,596,680	-3.1%	5,596,680	-0.7%		1,033.0	-8.5%	1,033.0	-1.7%		1,165.5	-2.4%	1,165.5	-6.8%	
	2017			5,666,468	1.2%				1,046.7	1.3%				1,181.1	1.3%	
	2018			5,734,906	1.2%				1,059.9	1.3%				1,195.7	1.2%	
	2019			5,806,065	1.2%				1,073.5	1.3%				1,210.9	1.3%	
	2020			5,874,431	1.2%				1,086.8	1.2%				1,225.9	1.2%	
	2021			5,943,257	1.2%				1,100.2	1.2%				1,241.3	1.3%	
	2022			6,017,841	1.3%				1,114.0	1.3%				1,257.0	1.3%	
	2023			6,089,528	1.2%				1,127.3	1.2%				1,272.2	1.2%	
	2024			6,163,948	1.2%				1,141.2	1.2%				1,288.1	1.2%	
	2025			6,229,576	1.1%				1,153.4	1.1%				1,302.1	1.1%	
	2026			6,298,786	1.1%				1,166.3	1.1%				1,316.9	1.1%	
	2027			6,367,980	1.1%				1,179.1	1.1%				1,331.6	1.1%	
	2028			6,440,952	1.1%				1,192.7	1.1%				1,347.2	1.2%	
	2029			6,503,689	1.0%				1,204.3	1.0%				1,360.5	1.0%	
	2030			6,569,060	1.0%				1,216.5	1.0%				1,374.3	1.0%	
	2031			6,630,907	0.9%				1,228.1	1.0%				1,387.5	1.0%	
	2032			6,697,875	1.0%				1,240.8	1.0%				1,401.9	1.0%	
	2033			6,757,235	0.9%				1,252.0	0.9%				1,414.7	0.9%	
	2034			6,821,346	0.9%				1,264.1	1.0%				1,428.4	1.0%	
	2035			6,885,174	0.9%				1,276.1	1.0%				1,442.2	1.0%	
CAGR <sup>[3]</sup>	2006-2015		-2.4%		-2.6%			-2.4%		-2.5%			-2.3%		-2.3%	
	2016-2025				1.2%					1.2%					1.2%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.52 MW beginning Jan-20



**FMPA 2016 Load Forecast - Mild Weather Case**

**Total Agency - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										597,704	497,864	525,727	1,621,295	0
	2006	523,642	491,437	514,859	560,031	636,340	683,902	737,848	759,636	674,751	603,361	502,247	522,974	7,211,027	7,203,740
	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,907	7,245,590	7,209,394
	2008	529,762	492,675	514,392	530,459	640,853	675,912	686,935	695,491	660,355	566,772	477,857	494,091	6,965,553	7,091,611
	2009	528,264	473,740	494,601	506,423	600,300	673,873	686,248	700,872	644,244	610,589	471,274	503,282	6,893,710	6,847,285
	2010	535,543	445,540	426,447	423,972	563,025	623,703	645,916	637,838	581,933	481,779	408,321	524,963	6,298,980	6,469,062
	2011	461,335	393,793	424,620	488,193	537,767	588,106	623,766	644,115	570,519	460,766	410,067	418,993	6,022,040	6,147,277
	2012	438,988	405,060	451,583	458,392	543,656	545,599	623,149	603,756	554,351	504,602	398,605	435,593	5,963,334	5,914,360
	2013	428,865	400,438	432,242	463,445	507,457	573,259	581,975	626,296	562,210	516,187	427,182	440,420	5,959,977	5,914,988
	2014	458,798	376,082	396,665	423,785	497,285	521,770	571,164	591,892	512,362	461,946	387,082	412,653	5,611,484	5,733,592
Projected	2015	423,859	391,814	433,884	469,172	526,875	564,009	585,493	583,880	536,385	475,651	399,809	420,212	5,811,043	5,777,052
	2016	409,824	366,165	405,546	435,352	495,920	537,057	566,643	573,263	511,238	471,488	408,457	427,364	5,608,316	5,596,680
	2017	416,427	368,977	412,582	441,483	503,449	544,303	573,805	580,843	517,291	477,318	413,527	432,641	5,682,645	5,666,468
	2018	421,474	373,410	417,384	446,625	509,448	550,657	580,701	588,019	523,703	483,252	418,651	437,972	5,751,296	5,734,906
	2019	426,679	378,008	422,524	452,085	515,777	557,472	587,943	595,410	530,293	489,349	423,889	443,450	5,822,877	5,806,065
	2020	431,004	385,899	426,716	456,689	521,275	563,543	594,440	602,053	536,125	494,665	428,284	448,071	5,888,763	5,874,431
	2021	436,529	386,729	432,250	462,541	528,077	570,876	602,216	609,930	543,089	501,071	433,706	453,696	5,960,711	5,943,257
	2022	441,997	391,555	437,667	468,254	534,713	578,011	609,770	617,570	549,830	507,262	438,936	459,110	6,034,675	6,017,841
	2023	447,249	396,188	442,878	473,744	541,086	584,856	617,012	624,900	556,307	513,220	443,991	464,368	6,105,800	6,089,528
	2024	452,358	405,053	447,961	479,110	547,326	591,575	624,138	632,133	562,714	519,132	449,013	469,598	6,180,111	6,163,948
Projected	2025	457,446	405,205	453,061	484,490	553,585	598,309	631,271	639,362	569,104	525,013	453,996	474,771	6,245,613	6,229,576
	2026	462,480	409,651	458,075	489,788	559,753	604,956	638,324	646,527	575,452	530,875	458,978	479,963	6,314,823	6,298,786
	2027	467,526	414,117	463,113	495,105	565,928	611,601	645,356	653,657	581,760	536,689	463,919	485,107	6,383,878	6,367,980
	2028	472,524	423,154	468,083	500,354	572,017	618,157	652,291	660,685	587,973	542,409	468,776	490,161	6,456,583	6,440,952
	2029	477,426	422,871	472,997	505,537	578,029	624,628	659,135	667,619	594,102	548,047	473,569	495,151	6,519,111	6,503,689
	2030	482,261	427,125	477,769	510,556	583,840	630,862	665,701	674,247	599,931	553,384	478,087	499,836	6,583,599	6,569,060
	2031	486,792	431,118	482,265	515,293	589,332	636,768	671,936	680,571	605,525	558,539	482,496	504,453	6,645,088	6,630,907
	2032	491,283	439,963	486,760	520,055	594,887	642,773	678,311	687,065	611,290	563,869	487,053	509,223	6,712,532	6,697,875
	2033	495,922	439,210	491,436	524,997	600,655	648,992	684,906	693,760	617,211	569,319	491,684	514,040	6,772,131	6,757,235
	2034	500,601	443,337	496,080	529,896	606,369	655,148	691,430	700,381	623,062	574,703	496,259	518,801	6,836,066	6,821,346
	2035	505,233	447,432	500,702	534,780	612,073	661,302	697,958	707,008	628,922	573,942	495,145	517,815	6,882,314	6,885,174

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.3%	6.8%	7.1%	7.8%	8.8%	9.5%	10.2%	10.5%	9.4%	8.4%	7.0%	7.3%	100.0%
	2007	7.4%	6.8%	7.2%	7.3%	8.4%	9.3%	10.2%	10.9%	9.4%	8.0%	6.8%	7.2%	100.0%
	2008	7.6%	7.1%	7.4%	7.6%	9.2%	9.7%	9.9%	10.0%	9.5%	8.1%	6.9%	7.1%	100.0%
	2009	7.7%	6.9%	7.2%	7.3%	8.7%	9.8%	10.0%	10.2%	9.3%	8.9%	6.8%	7.3%	100.0%
	2010	8.5%	7.1%	6.8%	6.7%	8.9%	9.9%	10.3%	10.1%	9.2%	7.6%	6.5%	8.3%	100.0%
	2011	7.7%	6.5%	7.1%	8.1%	8.9%	9.8%	10.4%	10.7%	9.5%	7.7%	6.8%	7.0%	100.0%
	2012	7.4%	6.8%	7.6%	7.7%	9.1%	9.1%	10.4%	10.1%	9.3%	8.5%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.3%	7.8%	8.5%	9.6%	9.8%	10.5%	9.4%	8.7%	7.2%	7.4%	100.0%
	2014	8.2%	6.7%	7.1%	7.6%	8.9%	9.3%	10.2%	10.5%	9.1%	8.2%	6.9%	7.4%	100.0%
	2015	7.3%	6.7%	7.5%	8.1%	9.1%	9.7%	10.1%	10.0%	9.2%	8.2%	6.9%	7.2%	100.0%
Projected	2016	7.3%	6.5%	7.2%	7.8%	8.8%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2017	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2018	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2019	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2020	7.3%	6.6%	7.2%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2021	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2022	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2023	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2024	7.3%	6.6%	7.2%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
	2025	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.9%	9.6%	10.1%	10.4%	9.3%	8.3%	6.8%	7.3%	100.0%
	2016-2025	7.3%	6.5%	7.3%	7.8%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.3%	7.6%	100.0%

1                      2                      3                      4                      5                      6                      7                      8                      9                      10                      11                      12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case

**Total Agency - Supplied**

**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										1,327.6	1,036.5	1,086.2	0.0	0.0
	2006	1,175.3	1,421.0	1,072.5	1,285.4	1,358.6	1,425.0	1,477.0	1,505.3	1,408.3	1,307.7	1,084.7	1,081.7	1,421.0	1,505.3
	2007	1,223.5	1,315.1	1,117.2	1,245.1	1,262.8	1,416.5	1,498.9	1,546.9	1,443.1	1,348.5	1,067.5	1,072.9	1,315.1	1,546.9
	2008	1,353.3	1,137.6	1,063.8	1,124.1	1,329.8	1,443.8	1,431.4	1,474.9	1,377.9	1,206.7	1,107.4	1,079.2	1,353.3	1,474.9
	2009	1,422.6	1,462.1	1,116.5	1,090.0	1,291.3	1,495.8	1,410.4	1,417.7	1,329.3	1,350.2	1,067.5	1,063.0	1,462.1	1,495.8
	2010	1,426.5	1,090.8	1,020.7	884.5	1,146.9	1,304.9	1,290.8	1,290.7	1,235.1	1,078.0	913.8	1,293.0	1,426.5	1,304.9
	2011	1,186.7	959.1	878.6	1,100.6	1,154.6	1,267.6	1,263.5	1,300.2	1,185.3	1,007.2	881.6	829.5	1,293.0	1,300.2
	2012	1,119.9	1,086.3	905.9	1,036.2	1,147.8	1,221.4	1,250.8	1,236.0	1,189.0	1,114.0	846.1	913.6	1,119.9	1,250.8
	2013	886.9	1,072.3	1,069.8	1,006.7	1,099.7	1,228.1	1,212.8	1,258.0	1,208.7	1,107.3	953.6	903.5	1,072.3	1,258.0
	2014	1,071.5	922.0	817.8	1,005.3	1,075.0	1,134.0	1,176.1	1,216.5	1,157.3	1,034.7	961.8	879.0	1,071.5	1,216.5
Projected	2015	927.9	1,149.5	907.0	1,016.2	1,131.0	1,229.4	1,199.5	1,215.3	1,170.4	1,047.4	827.8	845.7	1,149.5	1,229.4
	2016	1,088.9	1,043.3	858.3	924.8	1,064.3	1,158.3	1,166.1	1,194.5	1,116.7	1,013.6	830.7	856.9	1,088.9	1,194.5
	2017	1,103.3	1,057.1	869.6	937.1	1,078.5	1,173.7	1,181.6	1,210.4	1,131.5	1,027.1	841.6	867.3	1,103.3	1,210.4
	2018	1,117.0	1,070.0	880.2	948.5	1,091.7	1,188.2	1,196.1	1,225.3	1,145.5	1,039.7	851.8	878.0	1,117.0	1,225.3
	2019	1,131.1	1,083.4	891.1	960.4	1,105.5	1,203.2	1,211.1	1,240.9	1,160.0	1,052.9	863.3	889.9	1,131.1	1,240.9
	2020	1,145.0	1,095.7	901.4	971.9	1,118.9	1,218.0	1,226.0	1,256.2	1,174.2	1,065.7	872.2	898.9	1,145.0	1,256.2
	2021	1,158.8	1,108.8	912.3	984.0	1,132.8	1,233.1	1,241.2	1,271.8	1,188.7	1,078.9	883.0	909.8	1,158.8	1,271.8
	2022	1,173.2	1,122.3	923.6	996.4	1,147.1	1,248.6	1,256.8	1,287.8	1,203.7	1,092.6	893.5	920.4	1,173.2	1,287.8
	2023	1,186.9	1,135.3	934.4	1,008.3	1,160.8	1,263.6	1,271.8	1,303.3	1,218.2	1,105.7	904.3	931.3	1,186.9	1,303.3
	2024	1,201.4	1,148.9	945.7	1,020.7	1,175.2	1,279.2	1,287.5	1,319.5	1,233.3	1,119.4	913.8	941.0	1,201.4	1,319.5
Projected	2025	1,214.0	1,160.8	955.6	1,031.7	1,187.8	1,293.0	1,301.4	1,333.7	1,246.6	1,131.5	923.9	951.2	1,214.0	1,333.7
	2026	1,227.5	1,173.4	966.2	1,043.3	1,201.2	1,307.5	1,316.0	1,348.7	1,260.6	1,144.3	933.9	961.4	1,227.5	1,348.7
	2027	1,240.9	1,186.0	976.7	1,054.9	1,214.5	1,322.0	1,330.5	1,363.7	1,274.7	1,157.1	944.5	972.2	1,240.9	1,363.7
	2028	1,255.0	1,199.2	987.7	1,067.1	1,228.5	1,337.3	1,345.9	1,379.5	1,289.4	1,170.5	953.6	981.4	1,255.0	1,379.5
	2029	1,267.1	1,210.7	997.3	1,077.6	1,240.6	1,350.4	1,359.1	1,393.1	1,302.1	1,182.0	963.1	991.0	1,267.1	1,393.1
	2030	1,279.7	1,222.6	1,007.1	1,088.4	1,253.1	1,364.0	1,372.7	1,407.1	1,315.2	1,193.9	972.2	1,000.1	1,279.7	1,407.1
	2031	1,291.8	1,233.9	1,016.4	1,098.7	1,265.0	1,377.0	1,385.7	1,420.5	1,327.7	1,205.3	982.0	1,010.1	1,291.8	1,420.5
	2032	1,305.0	1,246.3	1,026.7	1,110.0	1,278.0	1,391.2	1,400.0	1,435.2	1,341.5	1,217.8	990.7	1,018.9	1,305.0	1,435.2
	2033	1,316.6	1,257.3	1,035.8	1,120.0	1,289.5	1,403.8	1,412.7	1,448.2	1,353.6	1,228.8	1,000.1	1,028.4	1,316.6	1,448.2
	2034	1,329.2	1,269.1	1,045.5	1,130.7	1,301.9	1,417.2	1,426.3	1,462.2	1,366.6	1,240.6	1,009.4	1,037.9	1,329.2	1,462.2
	2035	1,341.7	1,280.9	1,055.3	1,141.4	1,314.3	1,430.7	1,439.8	1,476.1	1,379.6	1,238.5	1,008.2	1,035.2	1,341.7	1,476.1

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.5%	64.6%	67.2%		
	2006	59.9%	51.5%	64.5%	58.6%	69.7%	64.5%	69.4%	67.8%	66.5%	62.0%	62.2%	67.1%	57.9%	54.7%
	2007	58.9%	55.5%	63.1%	57.4%	72.1%	63.7%	68.3%	68.9%	65.9%	65.0%	62.0%	67.3%	62.9%	53.5%
	2008	52.6%	62.2%	65.0%	63.4%	71.7%	62.9%	66.7%	63.4%	66.6%	63.1%	58.0%	63.6%	58.8%	53.9%
	2009	49.9%	48.2%	59.5%	62.4%	69.2%	60.6%	67.6%	66.4%	67.3%	60.8%	59.3%	65.8%	53.8%	52.6%
	2010	50.5%	60.8%	56.2%	64.4%	73.0%	64.2%	69.5%	66.4%	65.4%	60.1%	60.1%	56.4%	50.4%	55.1%
	2011	52.3%	61.1%	65.0%	59.6%	69.3%	62.4%	68.6%	66.6%	66.8%	61.5%	62.5%	70.2%	53.2%	52.9%
	2012	52.7%	53.6%	67.0%	59.5%	70.5%	60.0%	69.2%	65.7%	64.8%	60.9%	63.3%	66.2%	60.8%	54.4%
	2013	65.0%	55.6%	54.3%	61.9%	68.7%	62.7%	66.6%	66.9%	64.6%	62.7%	60.2%	67.7%	63.4%	54.1%
	2014	57.6%	60.7%	65.2%	56.7%	68.8%	61.8%	67.4%	65.4%	61.5%	60.0%	54.1%	65.2%	59.8%	52.7%
Projected	2015	61.4%	50.7%	64.3%	62.1%	69.3%	61.7%	67.8%	64.6%	63.7%	61.0%	64.9%	69.0%	57.7%	54.0%
	2016	50.6%	50.4%	63.5%	63.3%	69.3%	62.3%	67.5%	64.5%	63.6%	62.5%	66.1%	69.3%	58.8%	53.6%
	2017	50.7%	51.9%	63.8%	63.3%	69.5%	62.3%	67.4%	64.5%	63.5%	62.5%	66.0%	69.3%	58.8%	53.6%
	2018	50.7%	51.9%	63.7%	63.3%	69.4%	62.3%	67.4%	64.5%	63.5%	62.5%	66.1%	69.3%	58.8%	53.6%
	2019	50.7%	51.9%	63.7%	63.3%	69.4%	62.3%	67.4%	64.5%	63.5%	62.5%	66.0%	69.2%	58.8%	53.6%
	2020	50.6%	50.6%	63.6%	63.2%	69.3%	62.2%	67.3%	64.4%	63.4%	62.4%	66.0%	69.2%	58.7%	53.5%
	2021	50.6%	51.9%	63.7%	63.2%	69.4%	62.2%	67.4%	64.5%	63.5%	62.4%	66.0%	69.3%	58.7%	53.5%
	2022	50.6%	51.9%	63.7%	63.2%	69.4%	62.2%	67.4%	64.5%	63.4%	62.4%	66.0%	69.3%	58.7%	53.5%
	2023	50.6%	51.9%	63.7%	63.2%	69.4%	62.2%	67.4%	64.4%	63.4%	62.4%	66.0%	69.3%	58.7%	53.5%
	2024	50.6%	50.7%	63.7%	63.1%	69.3%	62.2%	67.3%	64.4%	63.4%	62.3%	66.0%	69.3%	58.7%	53.5%
Avg.	2006-2015	56.1%	56.0%	62.4%	60.6%	70.2%	62.5%	68.1%	66.2%	65.3%	61.7%	60.7%	65.8%	57.9%	53.8%
	2016-2025	50.7%	51.5%	63.7%	63.2%	69.4%	62.2%	67.4%	64.5%	63.5%	62.4%	66.0%	69.3%	58.7%	53.5%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case

**Total Agency - Supplied**

**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	1,070.1	1,401.3	1,020.5	1,231.8	1,286.3	1,396.7	1,447.4	1,477.7	1,341.8	1,266.6	998.3	962.0	1,401.3	1,477.7
	2007	1,164.9	1,202.3	996.2	1,127.3	1,245.0	1,365.4	1,465.0	1,521.2	1,415.8	1,295.5	1,026.4	958.1	1,202.3	1,521.2
	2008	1,330.2	1,051.7	1,012.3	1,078.2	1,285.9	1,405.8	1,405.4	1,450.1	1,318.5	1,147.4	1,008.6	1,021.9	1,330.2	1,450.1
	2009	1,406.3	1,418.5	1,059.2	1,030.3	1,270.9	1,481.7	1,350.6	1,380.7	1,292.9	1,324.9	952.9	974.0	1,418.5	1,481.7
	2010	1,412.0	1,053.7	999.7	839.7	1,087.3	1,272.1	1,255.1	1,263.0	1,170.9	1,048.7	844.1	1,258.3	1,412.0	1,272.1
	2011	1,168.7	900.6	807.1	1,067.7	1,112.3	1,239.2	1,214.4	1,258.2	1,124.9	990.4	852.3	750.1	1,258.3	1,258.2
	2012	1,096.7	1,038.9	871.7	993.3	1,091.1	1,146.8	1,203.3	1,188.3	1,143.4	1,087.3	747.0	830.0	1,096.7	1,203.3
	2013	772.0	1,003.2	1,009.9	958.2	1,073.6	1,176.8	1,156.6	1,222.0	1,164.9	1,067.9	906.6	820.2	1,009.9	1,222.0
	2014	996.9	847.6	703.0	998.1	1,051.7	1,106.0	1,125.7	1,185.1	1,092.9	1,015.0	827.7	795.4	996.9	1,185.1
	2015	850.7	1,128.5	856.5	953.8	1,102.4	1,194.4	1,144.2	1,172.3	1,136.9	1,022.3	757.1	784.5	1,128.5	1,194.4
Projected	2016	1,033.0	995.9	796.4	892.4	1,034.0	1,127.6	1,123.1	1,165.5	1,078.8	989.3	760.0	794.9	1,033.0	1,165.5
	2017	1,046.7	1,009.1	807.0	904.3	1,047.8	1,142.6	1,138.0	1,181.1	1,093.2	1,002.5	770.0	804.7	1,046.7	1,181.1
	2018	1,059.9	1,021.7	816.9	915.4	1,060.7	1,156.8	1,152.0	1,195.7	1,106.7	1,014.8	779.4	814.8	1,059.9	1,195.7
	2019	1,073.5	1,034.7	827.2	927.0	1,074.1	1,171.5	1,166.6	1,210.9	1,120.8	1,027.7	790.1	825.9	1,073.5	1,210.9
	2020	1,086.8	1,046.9	836.7	938.1	1,087.2	1,185.9	1,180.9	1,225.9	1,134.5	1,040.2	798.2	834.3	1,086.8	1,225.9
	2021	1,100.2	1,059.6	846.9	949.8	1,100.7	1,200.7	1,195.6	1,241.3	1,148.7	1,053.2	808.2	844.6	1,100.2	1,241.3
	2022	1,114.0	1,072.7	857.5	961.8	1,114.6	1,216.0	1,210.8	1,257.0	1,163.2	1,066.6	817.9	854.4	1,114.0	1,257.0
	2023	1,127.3	1,085.4	867.7	973.4	1,128.0	1,230.6	1,225.3	1,272.2	1,177.2	1,079.4	828.0	864.8	1,127.3	1,272.2
	2024	1,141.2	1,098.5	878.3	985.5	1,142.0	1,246.0	1,240.5	1,288.1	1,191.9	1,092.9	836.8	873.9	1,141.2	1,288.1
	2025	1,153.4	1,110.2	887.7	996.2	1,154.3	1,259.5	1,253.9	1,302.1	1,204.8	1,104.7	846.2	883.5	1,153.4	1,302.1
Projected	2026	1,166.3	1,122.4	897.5	1,007.5	1,167.4	1,273.8	1,268.1	1,316.9	1,218.5	1,117.3	855.4	893.1	1,166.3	1,316.9
	2027	1,179.1	1,134.6	907.4	1,018.7	1,180.4	1,288.0	1,282.2	1,331.6	1,232.1	1,129.7	865.2	903.2	1,179.1	1,331.6
	2028	1,192.7	1,147.5	917.8	1,030.6	1,194.1	1,303.0	1,297.1	1,347.2	1,246.4	1,142.9	873.7	911.8	1,192.7	1,347.2
	2029	1,204.3	1,158.6	926.7	1,040.7	1,205.8	1,315.9	1,309.9	1,360.5	1,258.7	1,154.2	882.5	920.8	1,204.3	1,360.5
	2030	1,216.5	1,170.2	936.0	1,051.2	1,218.0	1,329.2	1,323.1	1,374.3	1,271.5	1,165.8	890.8	929.5	1,216.5	1,374.3
	2031	1,228.1	1,181.2	944.8	1,061.2	1,229.5	1,341.9	1,335.7	1,387.5	1,283.6	1,177.0	900.0	938.9	1,228.1	1,387.5
	2032	1,240.8	1,193.3	954.4	1,072.2	1,242.3	1,355.8	1,349.5	1,401.9	1,296.9	1,189.2	908.0	947.2	1,240.8	1,401.9
	2033	1,252.0	1,204.0	963.0	1,081.9	1,253.5	1,368.2	1,361.8	1,414.7	1,308.7	1,200.0	916.7	956.1	1,252.0	1,414.7
	2034	1,264.1	1,215.5	972.2	1,092.3	1,265.6	1,381.4	1,374.9	1,428.4	1,321.4	1,211.6	925.3	965.1	1,264.1	1,428.4
	2035	1,276.1	1,227.0	981.3	1,102.7	1,277.7	1,394.6	1,388.1	1,442.2	1,334.0	1,209.5	924.5	963.1	1,276.1	1,442.2

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.7%	97.6%	93.1%		
	2006	91.0%	98.6%	95.1%	95.8%	94.7%	98.0%	98.0%	98.2%	95.3%	96.9%	92.0%	88.9%	98.6%	98.2%
	2007	95.2%	91.4%	89.2%	90.5%	98.6%	96.4%	97.7%	98.3%	98.1%	96.1%	96.1%	89.3%	91.4%	98.3%
	2008	98.3%	92.4%	95.2%	95.9%	96.7%	97.4%	98.2%	98.3%	95.7%	95.1%	91.1%	94.7%	98.3%	98.3%
	2009	98.9%	97.0%	94.9%	94.5%	98.4%	99.1%	95.8%	97.4%	97.3%	98.1%	89.3%	91.6%	97.0%	99.1%
	2010	99.0%	96.6%	97.9%	94.9%	94.8%	97.5%	97.2%	97.8%	94.8%	97.3%	92.4%	97.3%	99.0%	97.5%
	2011	98.5%	93.9%	91.9%	97.0%	96.3%	97.8%	96.1%	96.8%	94.9%	98.3%	96.7%	90.4%	97.3%	96.8%
	2012	97.9%	95.6%	96.2%	95.9%	95.1%	93.9%	96.2%	96.1%	96.2%	97.6%	88.3%	90.8%	97.9%	96.2%
	2013	87.0%	93.6%	94.4%	95.2%	97.6%	95.8%	95.4%	97.1%	96.4%	96.4%	95.1%	90.8%	94.2%	97.1%
	2014	93.0%	91.9%	86.0%	99.3%	97.8%	97.5%	95.7%	97.4%	94.4%	98.1%	86.1%	90.5%	93.0%	97.4%
	2015	91.7%	98.2%	94.4%	93.9%	97.5%	97.2%	95.4%	96.5%	97.1%	97.6%	91.5%	92.8%	98.2%	97.2%
Projected	2016	94.9%	95.5%	92.8%	96.5%	97.2%	97.3%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2017	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2018	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2019	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2020	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2021	94.9%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%
	2022	95.0%	95.6%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	95.0%	97.6%
	2023	95.0%	95.6%	92.9%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2024	95.0%	95.6%	92.9%	96.6%	97.2%	97.4%	96.4%	97.6%	96.6%	97.6%	91.6%	92.9%	95.0%	97.6%
	2025	95.0%	95.6%	92.9%	96.6%	97.2%	97.4%	96.4%	97.6%	96.7%	97.6%	91.6%	92.9%	95.0%	97.6%
	2006-2015	95.1%	94.9%	93.5%	95.3%	96.8%	97.0%	96.6%	97.4%	96.0%	97.2%	91.8%	91.7%	96.5%	97.6%
	2016-2025	94.9%	95.5%	92.8%	96.5%	97.2%	97.4%	96.3%	97.6%	96.6%	97.6%	91.5%	92.8%	94.9%	97.6%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case  
**FP&L Cities - Supplied**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	3,703,464	-	3,680,394	-	-0.6%	707.5	-	637.1	-	-9.9%	730.4	-	749.7		2.6%
	2007	3,720,003	0.4%	3,683,027	0.1%	-1.0%	588.1	-16.9%	643.2	1.0%	9.4%	750.9	2.8%	746.3	-0.4%	-0.6%
	2008	3,682,412	-1.0%	3,638,648	-1.2%	-1.2%	670.8	14.1%	686.5	6.7%	2.3%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,497,283	-3.9%	-0.6%	709.9	5.8%	645.6	-6.0%	-9.1%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,913,810	-16.7%	-4.3%	631.0	-11.1%	513.0	-20.5%	-18.7%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,705,162	-7.2%	-3.6%	544.4	-13.7%	543.7	6.0%	-0.1%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,722,708	0.6%	0.5%	469.7	-13.7%	479.3	-11.8%	2.1%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,707,919	-0.5%	0.5%	425.0	-9.5%	444.9	-7.2%	4.7%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,104	-11.6%	-1.7%	384.4	-9.5%	431.1	-3.1%	12.1%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,321,378	-3.1%	-1.9%	456.4	18.7%	405.2	-6.0%	-11.2%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,312,835	-2.3%	2,312,835	-0.4%		389.1	-14.7%	389.1	-4.0%		445.2	0.2%	445.2	-4.6%	
	2017			2,336,312	1.0%				393.4	1.1%				450.1	1.1%	
	2018			2,354,361	0.8%				396.8	0.8%				453.7	0.8%	
	2019			2,373,551	0.8%				400.2	0.9%				457.4	0.8%	
	2020			2,383,548	0.4%				402.2	0.5%				459.5	0.4%	
	2021			2,398,484	0.6%				405.2	0.7%				462.9	0.8%	
	2022			2,415,666	0.7%				408.2	0.7%				466.1	0.7%	
	2023			2,431,537	0.7%				410.9	0.7%				469.2	0.7%	
	2024			2,446,957	0.6%				413.6	0.7%				472.1	0.6%	
	2025			2,461,857	0.6%				416.1	0.6%				475.0	0.6%	
	2026			2,476,914	0.6%				418.7	0.6%				477.9	0.6%	
	2027			2,492,333	0.6%				421.3	0.6%				480.9	0.6%	
	2028			2,508,140	0.6%				424.0	0.6%				483.9	0.6%	
	2029			2,523,335	0.6%				426.6	0.6%				486.9	0.6%	
	2030			2,537,858	0.6%				429.1	0.6%				489.6	0.6%	
	2031			2,551,404	0.5%				431.5	0.6%				492.3	0.5%	
	2032			2,565,282	0.5%				434.0	0.6%				495.0	0.6%	
	2033			2,578,969	0.5%				436.5	0.6%				497.7	0.5%	
	2034			2,592,827	0.5%				439.1	0.6%				500.4	0.5%	
	2035			2,606,495	0.5%				441.6	0.6%				503.1	0.5%	
CAGR <sup>[3]</sup>	2006-2015		-4.9%		-5.0%			-4.8%		-4.9%			-5.4%		-5.1%	
	2016-2025				0.7%					0.7%					0.7%	
	2026-2035				0.6%					0.6%					0.6%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.52 MW beginning Jan-20

**FMPA 2016 Load Forecast - Mild Weather Case**

**FP&L Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										309,339	262,335	268,296	839,971	0
	2006	267,425	249,766	266,501	289,289	325,785	353,245	378,834	385,156	347,493	315,940	261,151	270,907	3,711,492	3,703,464
	2007	279,391	249,892	271,428	275,189	315,689	343,085	378,864	404,181	354,285	344,599	256,791	270,984	3,744,378	3,720,003
	2008	272,016	258,524	270,108	275,057	331,465	349,761	353,078	359,363	340,667	296,956	245,657	251,982	3,604,633	3,682,412
	2009	266,814	239,310	254,063	262,868	309,211	340,526	354,152	362,606	332,572	318,362	249,900	260,088	3,550,472	3,516,717
	2010	239,936	196,901	193,987	193,429	255,495	285,396	294,077	290,396	266,902	222,076	188,245	229,044	2,855,884	3,044,869
	2011	209,012	180,449	196,232	225,664	249,124	267,493	286,323	292,471	259,771	216,575	192,071	192,271	2,767,453	2,805,902
	2012	197,794	187,479	206,843	206,993	244,678	252,612	284,965	274,837	252,594	233,692	181,737	197,699	2,721,923	2,709,712
	2013	196,118	182,394	194,421	211,947	230,928	261,547	266,045	283,574	253,653	238,380	200,557	202,386	2,721,950	2,693,753
	2014	187,229	159,573	167,998	174,913	203,678	214,694	235,507	242,749	209,660	191,583	158,846	167,343	2,313,772	2,437,324
Projected	2015	173,824	159,676	177,850	191,364	213,975	229,122	243,920	240,108	218,819	198,888	168,455	173,850	2,389,851	2,366,430
	2016	169,533	149,995	163,529	182,176	202,783	222,527	234,596	234,595	211,907	194,806	171,552	177,165	2,315,165	2,312,835
	2017	172,387	152,251	165,967	184,556	205,184	224,998	236,934	236,765	213,748	196,494	173,068	178,672	2,341,024	2,336,312
	2018	173,854	153,341	167,114	185,854	206,632	226,592	238,652	238,620	215,468	198,057	174,460	180,122	2,358,766	2,354,361
	2019	175,276	154,577	168,453	187,344	208,319	228,461	240,616	240,602	217,264	199,695	175,920	181,650	2,378,177	2,373,551
	2020	175,729	155,086	168,667	187,784	208,898	229,250	241,456	241,450	217,963	200,212	176,253	182,000	2,384,748	2,383,548
	2021	177,084	156,107	169,950	189,211	210,486	231,009	243,288	243,279	219,605	201,695	177,558	183,348	2,402,619	2,398,484
	2022	178,393	157,231	171,151	190,548	211,975	232,657	245,001	242,983	221,127	203,062	178,750	184,567	2,419,445	2,415,666
	2023	179,580	158,250	172,253	191,780	213,353	234,190	246,602	246,584	222,566	204,362	179,894	185,747	2,435,161	2,431,537
	2024	180,729	159,388	173,311	192,965	214,678	235,666	248,142	248,125	223,950	205,612	180,992	186,878	2,450,436	2,446,957
Projected	2025	181,832	160,189	174,364	194,144	216,001	237,142	249,686	249,673	225,344	206,874	182,100	188,018	2,465,368	2,461,857
	2026	182,947	161,154	175,404	195,313	217,312	238,611	251,222	251,219	226,739	208,142	183,216	189,171	2,480,451	2,476,914
	2027	184,077	162,134	176,473	196,516	218,663	240,126	252,811	252,820	228,185	209,458	184,375	190,369	2,496,006	2,492,333
	2028	185,246	163,291	177,560	197,735	220,025	241,651	254,402	254,413	229,615	210,749	185,505	191,527	2,511,718	2,508,140
	2029	186,374	164,110	178,634	198,936	221,369	243,155	255,971	255,984	231,021	212,013	186,613	192,666	2,526,847	2,523,335
	2030	187,480	165,053	179,639	200,058	222,623	244,554	257,421	257,430	232,309	213,163	187,616	193,689	2,541,034	2,537,858
	2031	188,478	165,907	180,566	201,102	223,801	245,881	258,808	258,827	233,566	214,297	188,624	194,735	2,554,592	2,551,404
	2032	189,502	166,929	181,506	202,162	225,002	247,232	260,216	260,242	234,835	215,437	189,632	195,774	2,568,468	2,565,282
	2033	190,516	167,646	182,462	203,235	226,218	248,601	261,644	261,680	236,123	216,593	190,655	196,832	2,582,206	2,578,969
	2034	191,553	168,530	183,405	204,298	227,425	249,962	263,064	263,109	237,402	217,739	191,668	197,875	2,596,029	2,592,827
	2035	192,572	169,398	184,339	205,348	228,616	251,304	264,462	264,515	238,660	212,710	186,967	193,145	2,592,037	2,606,495

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.2%	6.7%	7.2%	7.8%	8.8%	9.5%	10.2%	10.4%	9.4%	8.5%	7.0%	7.3%	100.0%
	2007	7.5%	6.7%	7.2%	7.3%	8.4%	9.2%	10.1%	10.8%	9.5%	9.2%	6.9%	7.2%	100.0%
	2008	7.5%	7.2%	7.5%	7.6%	9.2%	9.7%	9.8%	10.0%	9.5%	8.2%	6.8%	7.0%	100.0%
	2009	7.5%	6.7%	7.2%	7.4%	8.7%	9.6%	10.0%	10.2%	9.4%	9.0%	7.3%	7.0%	100.0%
	2010	8.4%	6.9%	6.8%	6.8%	8.9%	10.0%	10.3%	10.2%	9.3%	7.8%	6.6%	8.0%	100.0%
	2011	7.6%	6.5%	7.1%	8.2%	9.0%	9.7%	10.3%	10.6%	9.4%	7.8%	6.9%	6.9%	100.0%
	2012	7.3%	6.9%	7.6%	7.6%	9.0%	9.3%	10.5%	10.1%	9.3%	8.6%	6.7%	7.3%	100.0%
	2013	7.2%	6.7%	7.1%	7.8%	8.5%	9.6%	9.8%	10.4%	9.3%	8.8%	7.4%	7.4%	100.0%
	2014	8.1%	6.9%	7.3%	7.6%	8.8%	9.3%	10.2%	10.5%	9.1%	8.3%	6.9%	7.2%	100.0%
	2015	7.3%	6.7%	7.4%	8.0%	9.0%	9.6%	10.2%	10.0%	9.2%	8.3%	7.0%	7.3%	100.0%
Projected	2016	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.2%	8.4%	7.4%	7.7%	100.0%
	2017	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2018	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2019	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2020	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2021	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2022	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2023	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2024	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
	2025	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%
Avg.	2006-2015	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.1%	10.3%	9.3%	8.4%	6.9%	7.3%	100.0%
	2016-2025	7.4%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.1%	9.1%	8.4%	7.4%	7.6%	100.0%

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 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case

FP&L Cities - Supplied

Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										689.5	545.0	559.3	0.0	0.0
	2006	601.1	725.9	571.7	640.3	674.3	708.1	735.5	744.2	715.2	653.6	593.7	574.1	725.9	744.2
	2007	633.8	698.1	588.9	593.6	630.4	704.1	753.0	768.2	713.0	679.8	566.5	564.4	698.1	768.2
	2008	693.7	593.6	553.4	569.5	677.4	715.3	716.9	737.2	693.0	617.0	572.8	543.2	693.7	737.2
	2009	704.7	738.4	576.7	555.4	635.5	740.9	710.2	699.4	670.4	671.7	576.8	552.5	738.4	740.9
	2010	641.5	472.7	455.6	399.4	505.1	567.8	561.2	559.5	537.6	469.9	422.4	574.7	641.5	567.8
	2011	517.1	423.2	411.9	473.5	498.9	542.9	550.9	568.1	523.7	455.1	404.6	375.4	574.7	568.1
	2012	487.9	487.6	399.4	449.5	500.1	545.1	552.6	534.3	512.8	485.9	390.0	430.0	487.9	552.6
	2013	411.5	490.6	480.3	444.2	478.7	540.0	525.0	541.5	525.7	492.0	435.7	413.3	490.6	541.5
	2014	446.5	394.1	349.8	383.9	418.3	445.4	470.8	475.7	458.0	405.6	409.8	354.2	446.5	475.7
	2015	384.0	476.8	356.4	417.3	437.7	471.5	478.3	469.9	455.3	405.7	353.2	352.4	476.8	478.3
	2016	432.0	446.0	356.1	366.6	417.8	452.3	464.8	465.1	436.7	395.7	349.2	356.4	446.0	465.1
Projected	2017	436.8	451.0	360.1	370.7	422.5	457.4	470.0	470.3	441.6	400.2	352.7	359.2	451.0	470.3
	2018	440.4	454.7	362.9	373.5	425.7	460.9	473.6	473.9	445.0	403.2	355.4	362.3	454.7	473.9
	2019	444.2	458.7	365.9	376.6	429.3	464.8	477.6	477.9	448.7	406.6	358.4	365.5	458.7	477.9
	2020	446.5	460.4	367.2	378.0	431.0	466.8	479.8	480.1	450.6	408.2	359.4	366.6	460.4	480.1
	2021	449.9	463.9	370.0	380.8	434.3	470.4	483.4	483.7	454.0	411.2	362.1	369.2	463.9	483.7
	2022	453.1	467.2	372.5	383.4	437.3	473.6	486.8	487.0	457.2	414.1	364.5	371.6	467.2	487.0
	2023	456.1	470.3	375.0	385.9	440.1	476.7	490.0	490.2	460.2	416.8	366.9	374.0	470.3	490.2
	2024	459.0	473.3	377.3	388.3	442.9	479.7	493.1	493.3	463.0	419.4	369.1	376.3	473.3	493.3
	2025	461.8	476.3	379.6	390.7	445.6	482.7	496.1	496.3	465.9	421.9	371.4	378.6	476.3	496.3
	2026	464.7	479.2	382.0	393.1	448.3	485.6	499.1	499.3	468.7	424.5	373.7	381.0	479.2	499.3
Projected	2027	467.6	482.3	384.4	395.6	451.1	488.7	502.3	502.4	471.6	427.2	376.1	383.4	482.3	502.4
	2028	470.6	485.3	386.8	398.0	454.0	491.8	505.4	505.6	474.6	429.9	378.4	385.7	485.3	505.6
	2029	473.4	488.4	389.2	400.4	456.7	494.7	508.5	508.7	477.5	432.5	380.6	387.9	488.4	508.7
	2030	476.2	491.2	391.4	402.7	459.3	497.5	511.4	511.5	480.2	434.9	382.7	390.0	491.2	511.5
	2031	478.8	494.0	393.5	404.8	461.7	500.2	514.2	514.3	482.8	437.2	384.9	392.2	494.0	514.3
	2032	481.6	496.8	395.6	407.0	464.3	503.0	517.0	517.1	485.4	439.6	387.0	394.3	496.8	517.1
	2033	484.2	499.7	397.8	409.2	466.8	505.7	519.9	519.9	488.0	442.0	389.1	396.5	499.7	519.9
	2034	487.0	502.6	399.9	411.4	469.3	508.5	522.7	522.8	490.7	444.3	391.2	398.7	502.6	522.8
	2035	489.7	505.4	402.1	413.5	471.8	511.2	525.5	525.5	493.3	432.8	382.1	388.0	505.4	525.5

Monthly Load Factors

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										60.3%	64.7%	66.6%		
	2006	59.8%	51.2%	62.7%	60.7%	71.9%	67.0%	71.5%	69.6%	67.5%	65.0%	59.1%	65.5%	58.4%	56.9%
	2007	59.3%	53.3%	61.9%	62.3%	74.5%	65.5%	69.9%	70.7%	69.0%	68.1%	60.9%	66.7%	61.2%	55.6%
	2008	52.7%	62.6%	65.6%	64.9%	72.8%	65.7%	68.4%	65.5%	68.3%	64.7%	57.6%	64.4%	59.3%	55.8%
	2009	50.9%	48.2%	59.2%	63.6%	72.4%	61.8%	69.3%	69.7%	68.9%	63.7%	58.2%	65.4%	54.9%	54.7%
	2010	50.3%	62.0%	57.2%	65.1%	75.3%	67.6%	72.8%	69.8%	69.0%	63.5%	59.9%	55.4%	50.8%	57.4%
	2011	54.3%	63.5%	64.0%	64.1%	74.3%	66.2%	72.2%	69.2%	68.9%	64.0%	63.8%	71.1%	55.0%	55.6%
	2012	54.5%	55.2%	69.6%	61.9%	72.8%	62.3%	71.6%	69.1%	68.4%	64.6%	62.6%	63.9%	63.7%	56.2%
	2013	64.1%	55.3%	54.4%	64.1%	71.8%	65.1%	70.4%	70.4%	67.0%	65.1%	61.9%	68.0%	63.3%	57.4%
	2014	56.4%	60.2%	64.6%	61.2%	72.5%	64.8%	69.5%	68.6%	63.6%	63.5%	52.1%	65.6%	59.1%	55.5%
	2015	60.8%	49.8%	67.1%	61.6%	72.7%	65.3%	70.8%	68.7%	66.8%	65.9%	64.1%	68.5%	57.2%	57.0%
	2016	52.7%	48.3%	61.7%	66.8%	72.2%	66.1%	70.1%	67.8%	67.4%	66.2%	66.0%	69.0%	59.3%	56.8%
Projected	2017	53.0%	50.2%	61.9%	66.9%	72.3%	66.1%	70.0%	67.7%	67.2%	66.0%	66.0%	69.1%	59.3%	56.8%
	2018	53.1%	50.2%	61.9%	66.9%	72.2%	66.1%	70.0%	67.7%	67.3%	66.0%	66.0%	69.1%	59.2%	56.8%
	2019	53.0%	50.1%	61.9%	66.9%	72.2%	66.1%	70.0%	67.7%	67.3%	66.0%	66.0%	69.0%	59.2%	56.8%
	2020	52.9%	48.4%	61.7%	66.8%	72.1%	66.0%	69.9%	67.6%	67.2%	65.9%	65.9%	68.9%	59.1%	56.7%
	2021	52.9%	50.1%	61.7%	66.8%	72.1%	66.0%	69.9%	67.6%	67.2%	65.9%	65.9%	69.0%	59.1%	56.7%
	2022	52.9%	50.1%	61.7%	66.8%	72.1%	66.0%	69.9%	67.6%	67.2%	65.9%	65.9%	69.0%	59.1%	56.7%
	2023	52.9%	50.1%	61.7%	66.8%	72.1%	66.0%	69.9%	67.6%	67.2%	65.9%	65.9%	69.0%	59.1%	56.7%
	2024	52.9%	48.4%	61.7%	66.8%	72.1%	66.0%	69.9%	67.6%	67.2%	65.9%	65.9%	69.0%	59.1%	56.7%
	2025	52.9%	50.0%	61.7%	66.8%	72.1%	66.0%	69.9%	67.2%	67.2%	65.9%	65.9%	69.0%	59.1%	56.7%
	2026	52.9%	50.0%	61.7%	66.8%	72.2%	66.1%	69.9%	67.2%	67.2%	66.0%	65.9%	69.0%	59.2%	56.8%
Avg.	2006-2015	56.3%	56.1%	62.6%	63.0%	73.1%	65.1%	70.6%	69.1%	67.7%	64.8%	60.0%	65.5%	58.3%	56.2%
	2016-2025	52.9%	49.6%	61.8%	66.8%	72.2%	66.1%	69.9%	67.6%	67.2%	66.0%	65.9%	69.0%	59.2%	56.8%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)



**FMPA 2016 Load Forecast - Mild Weather Case**  
**FP&L Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	532.2	707.5	539.6	590.8	649.4	690.5	708.8	730.4	666.9	618.4	532.4	509.7	707.5	730.4
	2007	575.4	588.1	493.9	557.4	619.2	661.7	728.0	750.9	697.5	636.2	542.6	492.1	588.1	750.9
	2008	670.8	508.5	515.3	537.1	660.7	686.2	692.0	719.7	650.8	567.0	512.5	486.3	670.8	719.7
	2009	689.0	709.9	523.0	497.1	616.7	731.3	676.0	673.7	643.7	658.7	507.7	469.9	709.9	731.3
	2010	631.0	449.9	436.3	363.4	455.8	553.1	547.2	552.7	507.9	461.0	385.5	544.4	631.0	553.1
	2011	500.8	365.5	374.8	458.0	465.0	519.7	523.8	534.8	472.2	443.3	385.4	340.4	544.4	534.8
	2012	469.7	440.5	381.5	430.4	470.5	487.5	527.2	502.8	475.1	467.8	343.0	349.1	469.7	527.2
	2013	321.0	423.2	425.0	423.2	466.1	515.3	478.7	524.0	503.5	465.1	408.2	370.8	425.0	524.0
	2014	384.4	331.5	304.0	378.9	404.1	424.2	452.6	452.1	412.6	392.8	322.8	308.9	384.4	452.1
	2015	319.7	456.4	333.9	368.4	434.7	444.3	450.7	438.2	446.2	390.9	311.2	316.6	456.4	444.3
Projected	2016	389.1	401.9	322.6	345.6	402.6	429.9	440.9	445.2	412.7	381.3	307.5	320.1	389.1	445.2
	2017	393.4	406.3	326.3	349.4	407.1	434.7	445.8	450.1	417.3	385.5	310.6	322.7	393.4	450.1
	2018	396.8	409.9	328.8	352.0	410.2	438.1	449.2	453.7	420.5	388.5	313.0	325.5	396.8	453.7
	2019	400.2	413.5	331.6	354.9	413.6	441.7	453.0	457.4	424.0	391.7	315.6	328.4	400.2	457.4
	2020	402.2	415.2	332.6	356.1	415.3	443.6	455.0	459.5	425.7	393.2	316.4	329.2	402.2	459.5
	2021	405.2	418.3	335.1	358.7	418.4	446.9	458.4	462.9	428.9	396.1	318.7	331.6	405.2	462.9
	2022	408.2	421.3	337.4	361.2	421.3	450.1	461.6	466.1	431.9	398.9	320.9	333.8	408.2	466.1
	2023	410.9	424.1	339.6	363.6	424.0	453.0	464.7	469.2	434.7	401.5	323.0	336.0	410.9	469.2
	2024	413.6	426.8	341.8	365.8	426.7	455.8	467.6	472.1	437.4	404.0	324.9	338.0	413.6	472.1
	2025	416.1	429.5	343.9	368.1	429.3	458.6	470.5	475.0	440.1	406.4	326.9	340.1	416.1	475.0
Projected	2026	418.7	432.2	346.0	370.3	431.9	461.4	473.4	477.9	442.8	408.9	328.9	342.3	418.7	477.9
	2027	421.3	434.9	348.2	372.6	434.6	464.3	476.3	480.9	445.5	411.4	331.0	344.4	421.3	480.9
	2028	424.0	437.7	350.4	374.9	437.0	467.2	479.3	483.9	448.3	414.0	333.1	346.5	424.0	483.9
	2029	426.6	440.4	352.5	377.2	440.0	470.0	482.3	486.9	451.0	416.5	335.1	348.5	426.6	486.9
	2030	429.1	443.0	354.5	379.3	442.4	472.6	485.0	489.6	453.6	418.8	336.9	350.5	429.1	489.6
	2031	431.5	445.5	356.5	381.3	444.8	475.2	487.6	492.3	456.0	421.1	338.8	352.5	431.5	492.3
	2032	434.0	448.1	358.5	383.3	447.2	477.8	490.3	495.0	458.5	423.3	340.7	354.4	434.0	495.0
	2033	436.5	450.8	360.4	385.4	449.6	480.4	493.0	497.7	461.0	425.6	342.6	356.5	436.5	497.7
	2034	439.1	453.4	362.4	387.4	452.1	483.0	495.7	500.4	463.4	427.9	344.4	358.4	439.1	500.4
	2035	441.6	456.0	364.4	389.4	454.5	485.5	498.4	503.1	465.9	416.5	336.1	348.8	441.6	503.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										96.1%	96.6%	87.1%		
	2006	88.5%	97.5%	94.4%	92.3%	96.3%	97.5%	96.4%	98.1%	93.2%	94.6%	89.7%	88.8%	97.5%	98.1%
	2007	90.8%	84.2%	83.9%	93.9%	98.2%	94.0%	96.7%	97.8%	97.8%	93.6%	95.8%	87.2%	84.2%	97.8%
	2008	96.7%	85.7%	93.1%	94.3%	97.5%	95.9%	96.5%	97.6%	93.9%	91.9%	89.5%	89.5%	96.7%	97.6%
	2009	97.8%	96.1%	90.7%	89.5%	97.0%	98.7%	95.2%	96.3%	96.0%	98.1%	88.0%	85.0%	96.1%	98.7%
	2010	98.4%	95.2%	95.7%	91.0%	90.2%	97.4%	97.5%	98.8%	94.5%	98.1%	91.3%	94.7%	98.4%	97.4%
	2011	96.9%	86.4%	91.0%	96.7%	93.2%	95.7%	95.1%	94.1%	90.2%	97.4%	95.2%	90.7%	94.7%	94.1%
	2012	96.3%	90.3%	95.5%	95.7%	94.1%	89.4%	95.4%	94.1%	92.7%	96.3%	88.0%	81.2%	96.3%	95.4%
	2013	78.0%	86.3%	88.5%	95.3%	97.4%	95.4%	91.2%	96.8%	95.8%	94.5%	93.7%	89.7%	86.6%	96.8%
	2014	86.1%	84.1%	86.9%	98.7%	96.6%	95.2%	96.1%	95.0%	90.1%	96.8%	78.8%	87.2%	86.1%	95.0%
	2015	83.3%	95.7%	93.7%	88.3%	99.3%	94.2%	93.3%	93.0%	98.0%	96.3%	88.1%	89.8%	95.7%	92.9%
Projected	2016	90.1%	90.1%	90.6%	94.2%	96.4%	95.0%	94.9%	95.7%	94.5%	96.3%	88.1%	89.8%	87.3%	95.7%
	2017	90.1%	90.1%	90.6%	94.2%	96.4%	95.0%	94.8%	95.7%	94.5%	96.3%	88.1%	89.8%	87.2%	95.7%
	2018	90.1%	90.1%	90.6%	94.2%	96.4%	95.0%	94.8%	95.7%	94.5%	96.3%	88.1%	89.8%	87.3%	95.7%
	2019	90.1%	90.1%	90.6%	94.2%	96.4%	95.0%	94.8%	95.7%	94.5%	96.3%	88.1%	89.8%	87.3%	95.7%
	2020	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
	2021	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
	2022	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
	2023	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
	2024	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
	2025	90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.4%	95.7%
2006-2015		91.3%	90.2%	91.3%	93.6%	96.0%	95.4%	95.4%	96.2%	94.2%	95.8%	89.8%	88.4%	93.2%	96.4%
2016-2025		90.1%	90.2%	90.6%	94.2%	96.3%	95.0%	94.8%	95.7%	94.5%	96.3%	88.0%	89.8%	87.3%	95.7%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

FMPA 2016 Load Forecast - Mild Weather Case  
**Duke Energy Florida Cities - Supplied**  
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

		Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP <sup>[1,2]</sup>									
							Winter Demand (prior Nov - current Mar)					Summer Demand (Apr-Oct)				
		Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2006	2,055,682	-	2,038,120	-	-0.9%	416.8	-	412.1	-	-1.1%	434.3	-	459.7		5.9%
	2007	2,035,888	-1.0%	2,049,430	0.6%	0.7%	364.2	-12.6%	386.7	-6.2%	6.2%	449.2	3.4%	438.6	-4.6%	-2.4%
	2008	1,960,379	-3.7%	1,969,045	-3.9%	0.4%	395.4	8.6%	381.5	-1.4%	-3.5%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,556	-1.8%	-0.3%	432.9	9.5%	404.6	6.1%	-6.5%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,090	-2.1%	-5.1%	466.6	7.8%	397.3	-1.8%	-14.9%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,916	-2.3%	-4.2%	416.1	-10.8%	406.0	2.2%	-2.4%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,948	-1.5%	0.0%	381.2	-8.4%	361.3	-11.0%	-5.2%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,620	0.2%	-0.2%	342.2	-10.2%	353.3	-2.2%	3.3%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,924	0.9%	-0.6%	371.1	8.5%	392.4	11.1%	5.7%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,898	0.6%	-2.6%	407.6	9.8%	405.9	3.4%	-0.4%	419.6	3.3%	443.8	7.9%	5.8%
Projected	2016	1,825,174	-4.1%	1,825,174	-1.5%		382.0	-6.3%	382.0	-5.9%		395.9	-5.7%	395.9	-10.8%	
	2017			1,846,691	1.2%				387.5	1.4%				401.6	1.5%	
	2018			1,873,102	1.4%				393.0	1.4%				407.4	1.4%	
	2019			1,898,604	1.4%				398.2	1.3%				412.8	1.3%	
	2020			1,923,861	1.3%				403.5	1.3%				418.2	1.3%	
	2021			1,946,285	1.2%				408.1	1.2%				423.1	1.2%	
	2022			1,969,313	1.2%				412.9	1.2%				428.0	1.2%	
	2023			1,992,164	1.2%				417.7	1.2%				433.0	1.2%	
	2024			2,016,266	1.2%				422.7	1.2%				438.2	1.2%	
	2025			2,037,451	1.1%				427.1	1.0%				442.8	1.0%	
	2026			2,059,636	1.1%				431.7	1.1%				447.6	1.1%	
	2027			2,081,888	1.1%				436.3	1.1%				452.4	1.1%	
	2028			2,105,359	1.1%				441.2	1.1%				457.5	1.1%	
	2029			2,125,740	1.0%				445.4	1.0%				461.9	1.0%	
	2030			2,147,081	1.0%				449.8	1.0%				466.5	1.0%	
	2031			2,167,844	1.0%				454.1	1.0%				471.0	1.0%	
	2032			2,189,599	1.0%				458.6	1.0%				475.7	1.0%	
	2033			2,208,258	0.9%				462.5	0.8%				479.8	0.9%	
	2034			2,228,107	0.9%				466.7	0.9%				484.1	0.9%	
	2035			2,247,924	0.9%				470.8	0.9%				488.4	0.9%	
CAGR <sup>[3]</sup>	2006-2015		-0.9%		-1.1%			-0.2%		-0.2%			-0.4%		-0.4%	
	2016-2025				1.2%					1.2%					1.3%	
	2026-2035				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.

[2] The weather-normalized coincident peak demands exclude Vero Beach and Lake Worth in the determination of the timing of the ARP peak.

[3] CAGR - Compound Annual Growth Rate

**Notes Regarding the Timing of Inclusion of Members in the ARP:**

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-15

GCS is assumed to take service on the basis of a CROD of 26.52 MW beginning Jan-20



**FMPA 2016 Load Forecast - Mild Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2005										167,643	137,892	157,409	462,943	0
	2006	155,704	146,152	146,401	157,322	181,445	191,882	207,167	217,089	189,577	166,850	143,045	148,655	2,051,289	2,055,682
	2007	153,684	143,790	148,751	148,736	172,340	190,674	205,149	223,342	190,872	176,047	137,924	144,504	2,035,813	2,035,888
	2008	153,013	137,244	141,076	147,111	176,933	185,030	190,577	189,513	181,407	154,821	137,073	143,509	1,937,308	1,960,379
	2009	159,379	141,894	141,979	139,972	167,009	192,539	189,754	191,240	180,729	167,870	128,831	145,529	1,946,724	1,939,898
	2010	176,160	148,675	136,810	134,621	178,818	195,352	200,598	199,701	181,087	147,779	129,686	176,651	2,005,939	1,994,053
	2011	152,375	126,194	131,429	147,730	169,503	183,822	188,565	201,342	175,698	137,798	125,307	132,269	1,872,030	1,930,773
	2012	142,196	125,894	139,027	142,877	169,382	164,976	186,229	183,698	170,677	152,038	126,540	137,410	1,840,943	1,820,328
	2013	135,758	126,422	136,897	141,458	156,355	174,618	175,873	189,899	174,475	153,896	127,773	135,566	1,828,991	1,827,744
	2014	161,655	125,071	129,480	138,377	163,443	171,918	185,775	193,339	167,658	149,219	131,467	140,713	1,858,115	1,853,952
	2015	146,342	135,477	142,180	151,137	172,147	185,413	185,670	190,005	172,729	151,916	129,559	143,719	1,906,293	1,902,497
Projected	2016	138,423	122,423	135,095	142,840	159,786	174,983	179,404	184,774	162,253	148,758	132,273	145,424	1,826,435	1,825,174
	2017	140,679	123,254	137,631	144,640	162,579	177,379	181,975	187,708	164,391	150,944	134,198	147,511	1,852,889	1,846,691
	2018	142,639	125,078	139,529	146,676	164,927	179,814	184,598	190,426	166,762	153,131	136,131	149,556	1,879,267	1,873,102
	2019	144,627	126,803	141,405	148,656	167,138	182,193	187,047	192,948	168,967	155,147	137,899	151,455	1,904,286	1,898,604
	2020	146,468	129,694	143,191	150,534	169,243	184,471	189,375	195,338	171,047	157,070	139,614	153,343	1,929,388	1,923,861
	2021	148,290	130,010	144,969	152,402	171,331	186,738	191,688	197,714	173,118	158,966	141,294	155,180	1,951,699	1,946,285
	2022	150,054	131,556	146,688	154,206	173,352	188,930	193,928	200,022	175,136	160,822	142,945	156,988	1,974,628	1,969,313
	2023	151,797	133,088	148,394	156,002	175,365	191,117	196,165	202,328	177,153	162,677	144,596	158,797	1,997,477	1,992,164
	2024	153,537	135,960	150,094	157,789	177,368	193,290	198,387	204,618	179,154	164,516	146,230	160,586	2,021,529	2,016,266
	2025	155,261	136,128	151,777	159,559	179,351	195,443	200,586	206,882	181,132	166,332	147,844	162,353	2,042,648	2,037,451
Projected	2026	156,962	137,609	153,427	161,296	181,298	197,559	202,752	209,117	183,088	168,134	149,449	164,116	2,064,806	2,059,636
	2027	158,661	139,103	155,089	163,045	183,259	199,689	204,929	211,362	185,051	169,940	151,056	165,878	2,087,062	2,081,888
	2028	160,357	141,993	156,737	164,778	185,198	201,793	207,077	213,574	186,980	171,712	152,631	167,605	2,110,434	2,105,359
	2029	162,019	142,055	158,369	166,493	187,117	203,877	209,205	215,764	188,892	173,469	154,191	169,316	2,130,767	2,125,740
	2030	163,663	143,491	159,963	168,167	188,989	205,908	211,277	217,896	190,751	175,175	155,708	170,978	2,151,966	2,147,081
	2031	165,258	144,890	161,517	169,799	190,811	207,885	213,294	219,971	192,560	176,835	157,183	172,597	2,172,599	2,167,844
	2032	166,813	147,714	163,031	171,393	192,592	209,821	215,272	222,010	194,338	178,471	158,640	174,198	2,194,293	2,189,599
	2033	168,348	147,610	164,540	172,979	194,364	211,743	217,234	224,029	196,100	180,090	160,081	175,778	2,212,898	2,208,258
	2034	169,865	148,940	166,021	174,538	196,108	213,639	219,172	226,028	197,847	181,698	161,514	177,353	2,232,723	2,228,107
	2035	171,379	150,270	167,501	176,096	197,851	215,535	221,110	228,026	199,592	183,304	162,945	178,925	2,252,534	2,247,924

**Monthly NEL Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	2006	7.6%	7.1%	7.1%	7.7%	8.8%	9.4%	10.1%	10.6%	9.2%	8.1%	7.0%	7.2%	100.0%
	2007	7.5%	7.1%	7.3%	7.3%	8.5%	9.4%	10.1%	11.0%	9.4%	8.6%	6.8%	7.1%	100.0%
	2008	7.9%	7.1%	7.3%	7.6%	9.1%	9.6%	9.8%	9.8%	9.4%	8.0%	7.1%	7.4%	100.0%
	2009	8.2%	7.3%	7.3%	7.2%	8.6%	9.9%	9.7%	9.8%	9.3%	8.6%	6.6%	7.5%	100.0%
	2010	8.8%	7.4%	6.8%	6.7%	8.9%	9.7%	10.0%	10.0%	9.0%	7.4%	6.5%	8.8%	100.0%
	2011	8.1%	6.7%	7.0%	7.9%	9.1%	9.8%	10.1%	10.8%	9.4%	7.4%	6.7%	7.1%	100.0%
	2012	7.7%	6.8%	7.6%	7.8%	9.2%	9.0%	10.1%	10.0%	9.3%	8.3%	6.9%	7.5%	100.0%
	2013	7.4%	6.9%	7.5%	7.7%	8.5%	9.5%	9.6%	10.4%	9.5%	8.4%	7.0%	7.4%	100.0%
	2014	8.7%	6.7%	7.0%	7.4%	8.8%	9.3%	10.0%	10.4%	9.0%	8.0%	7.1%	7.6%	100.0%
	2015	7.7%	7.1%	7.5%	7.9%	9.0%	9.7%	10.0%	10.0%	9.1%	8.0%	7.5%	7.5%	100.0%
Projected	2016	7.6%	6.7%	7.4%	7.8%	8.7%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2017	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2018	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2019	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2020	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	7.9%	100.0%
	2021	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2022	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%
	2023	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	7.9%	100.0%
	2024	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	7.9%	100.0%
	2025	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	7.9%	100.0%
Avg.	2006-2015	8.0%	7.0%	7.2%	7.5%	8.9%	9.5%	9.9%	10.3%	9.3%	8.1%	6.8%	7.5%	100.0%
	2016-2025	7.6%	6.7%	7.4%	7.8%	8.8%	9.6%	9.8%	10.1%	8.9%	8.1%	7.2%	8.0%	100.0%

1                      2                      3                      4                      5                      6                      7                      8                      9                      10                      11                      12  
 Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
 Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Mild Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										363.1	286.5	338.9	0.0	0.0
	2006	357.3	417.1	287.8	374.1	397.2	418.8	426.6	441.2	404.1	379.1	294.0	300.7	417.1	441.2
	2007	367.8	367.0	315.3	337.6	367.4	422.4	435.9	452.7	421.1	387.7	286.1	305.5	367.8	452.7
	2008	395.6	337.0	288.3	316.6	374.4	425.5	414.5	421.7	395.8	341.0	318.2	342.0	395.6	425.5
	2009	440.9	448.0	343.4	307.7	378.1	438.4	401.7	416.1	381.1	389.8	263.4	318.1	448.0	438.4
	2010	469.5	375.8	336.2	283.3	374.4	425.4	419.3	421.2	398.0	344.9	276.1	420.5	469.5	425.4
	2011	403.3	334.3	261.1	356.0	380.1	415.7	403.6	416.2	376.6	307.4	267.9	266.6	420.5	416.2
	2012	385.4	369.1	287.6	329.8	367.7	383.7	391.7	391.4	380.7	346.5	277.1	289.2	385.4	391.7
	2013	288.9	344.0	346.7	315.0	346.3	389.5	387.3	402.4	388.4	339.6	283.2	281.1	346.7	402.4
	2014	374.8	325.7	261.6	341.9	364.5	383.8	395.6	413.9	394.8	346.7	335.6	306.2	374.8	413.9
Projected	2015	343.1	408.2	296.5	328.9	381.3	423.0	396.0	415.0	389.6	354.1	263.9	294.3	408.2	423.0
	2016	383.5	347.5	283.6	304.3	356.1	392.5	383.9	402.2	373.8	336.9	267.7	298.5	383.5	402.2
	2017	389.0	352.6	287.7	308.7	361.2	398.2	389.5	408.0	379.2	341.7	271.5	302.8	389.0	408.0
	2018	394.5	357.6	291.8	313.1	366.3	403.8	395.0	413.8	384.6	346.6	275.1	306.7	394.5	413.8
	2019	399.7	362.3	295.7	317.3	371.2	409.2	400.3	419.3	389.7	351.2	278.8	310.8	399.7	419.3
	2020	404.9	367.1	299.6	321.4	376.1	414.6	405.5	424.9	394.9	355.9	282.0	314.4	404.9	424.9
	2021	409.5	371.3	303.0	325.1	380.5	419.4	410.2	429.8	399.4	360.0	285.3	318.0	409.5	429.8
	2022	414.2	375.7	306.6	329.0	384.9	424.3	415.0	434.8	404.1	364.2	288.6	321.7	414.2	434.8
	2023	418.9	380.0	310.1	332.8	389.4	429.2	419.8	439.9	408.8	368.4	292.1	325.6	418.9	439.9
	2024	423.9	384.6	313.9	336.8	394.1	434.4	424.9	445.2	413.7	372.8	295.1	329.0	423.9	445.2
Projected	2025	428.3	388.6	317.1	340.3	398.2	438.9	429.3	449.8	418.0	376.7	298.4	332.6	428.3	449.8
	2026	432.9	392.8	320.5	344.0	402.5	443.6	434.0	454.7	422.6	380.8	301.6	336.1	432.9	454.7
	2027	437.5	397.0	324.0	347.7	406.8	448.4	438.7	459.6	427.1	384.9	304.9	339.9	437.5	459.6
	2028	442.4	401.5	327.6	351.6	411.4	453.4	443.6	464.7	431.9	389.2	307.9	343.1	442.4	464.7
	2029	446.7	405.3	330.7	355.0	415.3	457.8	447.8	469.2	436.1	393.0	310.9	346.6	446.7	469.2
	2030	451.1	409.3	334.0	358.5	419.4	462.4	452.3	473.9	440.4	396.9	313.9	349.9	451.1	473.9
	2031	455.4	413.3	337.2	361.9	423.5	466.8	456.6	478.4	444.6	400.7	317.1	353.4	455.4	478.4
	2032	459.9	417.4	340.6	365.5	427.7	471.4	461.2	483.2	449.1	404.7	319.7	356.3	459.9	483.2
	2033	463.8	420.9	343.4	368.6	431.3	475.4	465.1	487.3	452.9	408.1	322.6	359.5	463.8	487.3
	2034	468.0	424.7	346.5	371.9	435.2	479.7	469.3	491.6	456.9	411.7	325.5	362.7	468.0	491.6
	2035	472.1	428.4	349.6	375.2	439.0	484.0	473.4	496.0	461.0	415.4	328.6	366.1	472.1	496.0

**Monthly Load Factors**

	CY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										62.1%	64.7%	64.5%		
	2006	58.6%	52.1%	68.4%	56.5%	68.0%	61.6%	67.5%	66.1%	65.2%	59.2%	65.4%	68.7%	56.1%	53.1%
	2007	56.2%	58.3%	63.4%	59.2%	69.8%	60.7%	65.4%	66.3%	63.0%	61.0%	64.8%	65.7%	63.2%	51.3%
	2008	52.0%	58.5%	65.8%	62.5%	70.3%	58.4%	63.9%	60.4%	63.7%	61.0%	57.9%	58.3%	55.9%	52.0%
	2009	48.6%	47.1%	55.6%	61.1%	65.7%	59.0%	65.6%	61.8%	65.9%	57.9%	65.7%	63.5%	49.6%	50.7%
	2010	50.4%	58.9%	54.7%	63.9%	71.1%	61.7%	66.4%	63.7%	63.2%	57.6%	63.1%	58.4%	48.8%	53.8%
	2011	50.8%	56.2%	67.7%	55.8%	66.4%	59.4%	64.9%	65.0%	64.8%	60.3%	62.9%	68.9%	50.8%	51.3%
	2012	49.6%	49.0%	65.0%	58.2%	68.6%	57.8%	66.0%	63.1%	62.3%	59.0%	61.4%	66.0%	54.5%	53.6%
	2013	63.2%	54.7%	53.1%	60.4%	67.2%	60.3%	63.1%	63.4%	62.4%	60.9%	60.6%	67.0%	60.2%	51.9%
	2014	58.0%	57.1%	66.5%	54.4%	66.7%	60.2%	65.2%	62.8%	59.0%	57.9%	52.7%	63.8%	56.6%	51.2%
Projected	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	57.7%	66.0%	67.8%	53.3%	51.4%
	2016	48.5%	50.6%	64.0%	63.1%	66.8%	59.9%	64.9%	61.7%	60.3%	59.4%	66.4%	67.7%	54.4%	51.8%
	2017	48.6%	52.0%	64.3%	63.0%	69.9%	59.9%	64.9%	61.8%	60.2%	59.4%	66.4%	67.7%	54.4%	51.8%
	2018	48.6%	52.1%	64.3%	63.0%	67.0%	59.8%	64.9%	61.8%	60.2%	59.4%	66.5%	67.7%	54.4%	51.8%
	2019	48.6%	52.1%	64.3%	63.0%	67.0%	59.8%	64.9%	61.8%	60.2%	59.4%	66.5%	67.7%	54.4%	51.8%
	2020	48.6%	50.8%	64.2%	62.9%	67.0%	59.8%	64.9%	61.8%	60.2%	59.3%	66.5%	67.7%	54.4%	51.8%
	2021	48.7%	52.1%	64.3%	63.0%	67.0%	59.9%	64.9%	61.8%	60.2%	59.4%	66.6%	67.8%	54.4%	51.8%
	2022	48.7%	52.1%	64.3%	63.0%	67.0%	59.9%	64.9%	61.8%	60.2%	59.4%	66.6%	67.8%	54.4%	51.8%
	2023	48.7%	52.1%	64.3%	63.0%	67.0%	59.9%	64.9%	61.8%	60.2%	59.4%	66.5%	67.7%	54.4%	51.8%
	2024	48.7%	50.8%	64.3%	63.0%	67.0%	59.8%	64.8%	61.8%	60.1%	59.3%	66.6%	67.8%	54.4%	51.8%
Avg.	2006-2015	54.5%	54.1%	62.4%	59.4%	68.1%	59.8%	65.3%	63.4%	63.1%	59.2%	62.1%	64.8%	54.9%	52.0%
	2016-2025	48.6%	51.7%	64.3%	63.0%	67.0%	59.9%	64.9%	61.8%	60.2%	59.4%	66.5%	67.7%	54.4%	51.8%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

**FMPA 2016 Load Forecast - Mild Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Coincident-Peak Demand with ARP (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2006	320.8	416.8	270.9	373.9	382.9	418.3	423.6	434.3	386.9	373.2	275.9	267.3	416.8	434.3
	2007	367.5	364.2	292.3	337.0	360.8	420.7	433.0	449.2	415.3	382.3	283.8	263.0	364.2	449.2
	2008	395.4	336.2	285.0	305.1	356.2	424.7	413.4	420.5	390.7	334.4	279.8	341.6	395.4	420.5
	2009	440.2	432.9	342.8	306.2	376.5	438.2	388.0	412.2	377.7	379.0	223.8	317.7	432.9	438.2
	2010	466.6	371.9	334.6	276.5	364.8	415.8	407.1	411.2	387.8	331.9	259.9	416.1	466.6	415.8
	2011	401.6	333.5	226.8	342.8	371.8	410.6	391.9	407.5	370.5	304.0	258.2	234.1	416.1	407.5
	2012	381.2	368.7	278.6	313.0	345.0	368.2	373.5	385.4	377.9	341.7	227.0	288.9	381.2	373.5
	2013	285.3	342.3	342.2	299.4	332.8	362.9	379.0	391.2	375.9	333.9	265.3	243.1	342.2	391.2
	2014	371.1	325.5	209.1	340.6	356.6	377.0	377.7	406.2	389.8	342.2	330.7	303.1	371.1	406.2
	2015	342.6	407.6	288.1	320.9	376.9	419.6	387.0	406.6	372.9	348.5	247.5	277.5	407.6	419.6
Projected	2016	382.0	347.1	263.6	298.0	346.1	385.3	372.6	395.9	367.8	331.6	251.1	281.5	382.0	395.9
	2017	387.5	352.1	267.4	302.3	351.2	390.9	378.0	401.6	373.1	336.4	254.7	285.5	387.5	401.6
	2018	393.0	357.1	271.2	306.6	356.2	396.4	383.4	407.4	378.4	341.2	258.1	289.3	393.0	407.4
	2019	398.2	361.9	274.8	310.7	360.9	401.7	388.5	412.8	383.4	345.7	261.5	293.1	398.2	412.8
	2020	403.5	366.6	278.5	314.8	365.7	407.0	393.6	418.2	388.5	350.3	264.5	296.5	403.5	418.2
	2021	408.1	370.9	281.7	318.4	369.9	411.7	398.2	423.1	393.0	354.4	267.6	300.0	408.1	423.1
	2022	412.9	375.2	285.0	322.2	374.2	416.5	402.8	428.0	397.6	358.5	270.7	303.4	412.9	428.0
	2023	417.7	379.6	288.3	325.9	378.6	421.3	407.5	433.0	402.2	362.7	273.9	307.1	417.7	433.0
	2024	422.7	384.1	291.7	329.8	383.1	426.4	412.4	438.2	407.1	367.0	276.8	310.3	422.7	438.2
	2025	427.1	388.1	294.8	333.3	387.1	430.9	416.7	442.8	411.3	370.9	279.8	313.7	427.1	442.8
Projected	2026	431.7	392.3	297.9	336.9	391.3	435.5	421.2	447.6	415.8	374.9	282.9	317.0	431.7	447.6
	2027	436.3	396.6	301.2	340.5	395.5	440.2	425.8	452.4	420.3	378.9	286.0	320.6	436.3	452.4
	2028	441.2	401.0	304.5	344.3	399.9	445.1	430.6	457.5	425.0	383.2	288.8	323.6	441.2	457.5
	2029	445.4	404.8	307.4	347.6	403.8	449.4	434.7	461.9	429.1	386.9	291.7	326.9	445.4	461.9
	2030	449.8	408.9	310.5	351.1	407.8	453.9	439.0	466.5	433.4	390.7	294.4	330.0	449.8	466.5
	2031	454.1	412.8	313.5	354.5	411.7	458.3	443.3	471.0	437.5	394.5	297.4	333.3	454.1	471.0
	2032	458.6	416.9	316.6	358.0	415.8	462.8	447.7	475.7	441.9	398.4	299.9	336.1	458.6	475.7
	2033	462.5	420.4	319.2	361.0	419.4	466.8	451.5	479.8	445.7	401.8	302.6	339.1	462.5	479.8
	2034	466.7	424.2	322.1	364.3	423.1	471.0	455.5	484.1	449.6	405.4	305.3	342.1	466.7	484.1
	2035	470.8	428.0	324.9	367.5	426.9	475.1	459.6	488.4	453.6	409.0	308.2	345.3	470.8	488.4

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2005										98.6%	99.0%	99.8%		
	2006	89.8%	99.9%	94.1%	99.9%	96.4%	99.9%	99.3%	98.4%	95.7%	98.4%	93.9%	88.9%	99.9%	98.4%
	2007	99.9%	99.2%	92.7%	99.8%	98.2%	99.6%	99.3%	99.2%	98.6%	98.6%	99.2%	86.1%	99.0%	99.2%
	2008	99.9%	99.7%	98.8%	96.4%	95.1%	99.8%	99.7%	99.7%	98.7%	98.1%	87.9%	99.9%	99.9%	98.8%
	2009	99.9%	96.6%	99.8%	99.5%	99.6%	100.0%	96.6%	99.0%	99.1%	97.2%	85.0%	99.9%	96.6%	100.0%
	2010	99.4%	99.0%	99.5%	97.6%	97.5%	97.7%	97.1%	97.6%	97.4%	96.3%	94.2%	99.0%	99.4%	97.7%
	2011	99.6%	99.8%	86.9%	96.3%	97.8%	98.8%	97.1%	97.9%	98.4%	98.9%	96.4%	87.8%	99.0%	97.9%
	2012	98.9%	99.9%	96.9%	94.9%	93.8%	96.0%	95.3%	98.5%	99.3%	98.6%	81.9%	99.9%	98.9%	95.3%
	2013	98.7%	99.5%	98.7%	95.1%	96.1%	93.2%	97.8%	97.2%	96.8%	98.3%	93.7%	86.5%	98.7%	97.2%
	2014	99.0%	99.9%	80.0%	99.6%	97.8%	98.2%	95.5%	98.1%	98.7%	98.7%	98.5%	99.0%	99.0%	98.1%
	2015	99.9%	99.8%	97.2%	97.6%	98.9%	99.2%	97.7%	98.0%	95.7%	98.4%	93.8%	94.3%	99.8%	99.2%
Projected	2016	99.6%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.6%	98.4%
	2017	99.6%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.6%	98.4%
	2018	99.6%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.6%	98.4%
	2019	99.6%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.6%	98.4%
	2020	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2021	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2022	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2023	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2024	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2025	99.7%	99.9%	93.0%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%
	2006-2015	98.5%	99.3%	94.5%	97.7%	97.1%	98.2%	97.6%	98.4%	97.8%	98.2%	92.4%	94.1%	99.0%	98.2%
	2016-2025	99.7%	99.9%	92.9%	97.9%	97.2%	98.2%	97.1%	98.4%	98.4%	98.4%	93.8%	94.3%	99.7%	98.4%

Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).  
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09); Lake Worth (Dec-13)

Appendix G  
EXPLANATORY VARIABLES BY ARP PARTICIPANT

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## FMPA 2016 Load Forecast

Retail Electricity Sales Forecast Equations - Explanatory Variables<sup>[1,2,3]</sup>

Participant	Residential		GS Non-Demand Sales	GS Demand Sales	Large Demand Sales
	Customers	Usage			
<b>Bushnell</b>	Variable seasonal base, Households w/ bifurcated study period, FL mortgage originations, Variables for select data anomalies, Negative step variable (2011)	Adjusted personal income per household, Electricity price, HDD, CDD, CDD(-1), HDD(-1), Negative step variable (2011), Binary variable to address hurricane event, seasonal binaries	Adjusted personal income w/ bifurcated study period, Negative step variables (2006, 2011, 2013), CDD, CDD(-1), HDD(-1), Seasonal binaries		
<b>Clewiston</b>	Variable seasonal base, Households, Negative step variable (2004), Positive step variable (2014), Binary variable to address hurricane event and anomalies	Adjusted personal income per household, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Binary variables for data anomalies, Negative step variable (2011)	Adjusted personal income, Multiple step variables (migration-related), CDD, CDD(-1), Binary variable to address hurricane event	Personal income, CDD, CDD(-1), Negative step variable (2006, migration-related), Binary variables for data anomalies (incl'd hurricane event), seasonal binaries	<b>US Sugar:</b> assumed to have 0.0% growth per year
<b>Fort Meade</b>	Variable seasonal base, Households, Variables for select data anomalies	Personal income per HH, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variables (2007, 2009), Binaries to address anomalies	Personal income, CDD, CDD(-1), HDD Seasonal binaries, Binary variable for hurricane event, Positive step variable (2009, likely migration-related)		
<b>Fort Pierce</b>	Seasonal base, Households, Multiple step variables to address definition change and anomalies	Adjusted personal Income per HH, Electricity Price, HDD, CDD, HDD(-1), CDD(-1), Seasonal Binaries, Binaries to address select anomalies, Negative step variables to address definition change	Personal income (reciprocal functional form), Electricity price, Seasonal binaries, CDD, CDD(-1), Binary variables to address anomalies, Negative step variables (2011, 2013)		
<b>Green Cove Springs</b>	Households, FL mortgage originations, Binary variables for select data anomalies, Negative step variable (2013)	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Binary variables to address hurricane events and other anomalies	Adjusted personal income, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variables (2005, 2011), Binary variables to address anomalies	Employment, CDD, CDD(-1), HDD(-1), Seasonal binaries, Binary variables to address select anomalies	
<b>Havana</b>	Households, Positive step variables, Binary variables to address hurricane events	Personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Binary variable to address hurricane event, Negative step variable (2012)	Personal income, Electricity price, CDD, CDD(-1), HDD(-1), Variable for hurricane and other data anomalies, Negative step variable (2011)		
<b>Jacksonville Beach</b>	Households, Variable to address housing stock turnover to multi-family, Binary variable to address anomalies	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Negative step variables (2007, 2012), Seasonal binaries, Binary variable for data anomaly	Personal income (Reciprocal functional form), CDD, HDD(-1), CDD(-1), Variables for select data anomalies, Negative step variables (2007, 2008, 2012)	Personal income (bifurcated study period), CDD(-1), Seasonal binaries, Variables for select data anomalies, Negative step variable (2012)	

## FMPA 2016 Load Forecast

Retail Electricity Sales Forecast Equations - Explanatory Variables<sup>[1,2,3]</sup>

Participant	Residential		GS Non-Demand Sales	GS Demand Sales	Large Demand Sales
	Customers	Usage			
Key West	Seasonal base, Trend (reciprocal functional form), Variables to address housing downturn and transition of Navy housing to separate accounts	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Energy efficiency index, Binary variables for select data anomalies (incl'd hurricane events)	Personal Income (Reciprocal functional form), Electricity price, CDD, CDD(-1), Seasonal binaries, Variables for select data anomalies, Negative step variables (2004, 2013)		<b>Navy Base:</b> CDD, CDD(-1), HDD(-1), assumed to be 12% lower by 2033 (due to energy efficiency goals)
Kissimmee	Seasonal base, Households, Seasonal Binaries, Binaries to address anomalies, Negative step variable (2013)	Adjusted personal income per HH, Electricity price, Natural gas price, Home vacancy rate, HDD, CDD, HDD(-1), CDD(-1), Seasonal Binaries, Variables for hurricane events, Negative step variable (2011)	Employment, U.S. personal savings rate, HDD, CDD, CDD(-1), HDD(-1), Seasonal Binaries, Variables for select data anomalies (incl'd hurricane events)	Total employment, CDD(-1), HDD(-1), Seasonal binaries, Negative step variables (2007, 2009, 2014), Binary variables for hurricane events	
Leesburg	Seasonal base, Households, FL mortgage originations, Binary variables for anomalies, Positive step variables to address definitional change	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Binaries to address anomalies, Negative step variables (2012, 2014)	Adjusted personal income, Electricity price, CDD, CDD(-1), Seasonal binaries, Negative step variables (2011, 2012, 2014), Binary variables for data anomalies		
Newberry	Households, Positive trend variable, Positive step variables (to address additional growth / annexation)	Personal income per HH, U.S. personal savings rate, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Binaries to address anomalies	Adjusted personal income, CDD, CDD(-1), Negative step variable (loss of major customer in 2000)		
Ocala	Households, FL mortgage originations, Home vacancy rate, Seasonal binaries, Binary variable to address anomalies, Negative step variable (2013)	Adjusted personal income per HH, Electricity price, Home vacancy rate, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variable (2012)	Adjusted personal income, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Multiple step variables		Employment, Electricity price, CDD, CDD(-1), Binary variables for select data anomalies, Negative step variables (likely class migration-related)
Starke	Seasonal Base, Binary variables for select data anomalies, Negative step variable (2009), Positive step variable (2015)	Personal income per HH, Electricity price, Natural gas price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variable (2012)	Personal income, U.S. personal savings rate, Electricity price, Seasonal binaries, CDD, CDD(-1), Variables for select data anomalies, Negative step variable (2012)		

[1] Personal income per household is frequently included as a moving average over one to six years. Electricity and natural gas prices are typically included as a moving average over one to six years. Most of the forecast equations contain auto-regressive error terms.

[2] "Adjusted personal income" refers to the multiplication of personal income by the inverse of the U.S. Personal Savings Rate to result in expenditures out of personal income.

[3] Step variables refer to binary variables that address an otherwise unexplained deviation in the data, in the year shown in parenthesis.