

FLORIDA MUNICIPAL POWER AGENCY

# 2017 LOAD FORECAST

FINAL REPORT

MAY 2017



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July 11, 2017

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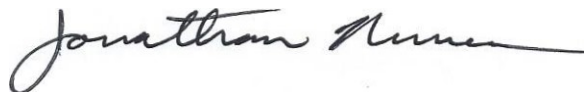
Dear Ms. Jackson:

Subject: **2017 Load Forecast**

Attached is nFront Consulting's report regarding the 2017 Load Forecast for the All-Requirements Project (ARP) and the thirteen municipal utilities it serves. This report was prepared under the Professional Services Agreement between nFront Consulting, LLC, and Florida Municipal Power Agency dated June 18, 2013.

If you have any questions regarding the material presented herein, please contact me at (407) 627-0041 or [JonathanNunes@nFrontConsulting.com](mailto:JonathanNunes@nFrontConsulting.com).

Respectfully submitted,



Jonathan Nunes  
Senior Consultant

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# EXECUTIVE SUMMARY

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nFront Consulting, LLC (nFront) 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 key input to many utility planning functions, including 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 best utility practices and thorough review of results by various parties is essential to FMPA operations and long-term planning.

The 2017 Load Forecast has been prepared for a 20-year period, beginning 2017 through 2036. 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 2016 (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), metered 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 developed from both providers' data. nFront 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 January 2017.

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>1</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 FMPPA 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 FMPPA (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>2</sup>, depicted in Figure ES-1 below, is expected to grow at compound annual growth rates of 1.1% per year over fiscal years (FY)<sup>3</sup> 2017-2026 and 0.9% over 2027-2036. The Base Case projected fiscal year 2016 NEL is 5,894 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 2001-2016 of 0.7% per year and a compound annual *decline* over the most recent 10 years (i.e., 2007-2016) of 0.1% per year. However, as discussed further below, the load of the Participants over 2008-2016 has been depressed as a result of a deep and prolonged recession in the U.S. and Florida economies from which both have been 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

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<sup>1</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>2</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>3</sup> FMPPA’s fiscal year represents the twelve month period from October of the preceding year through September of the current year.



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.

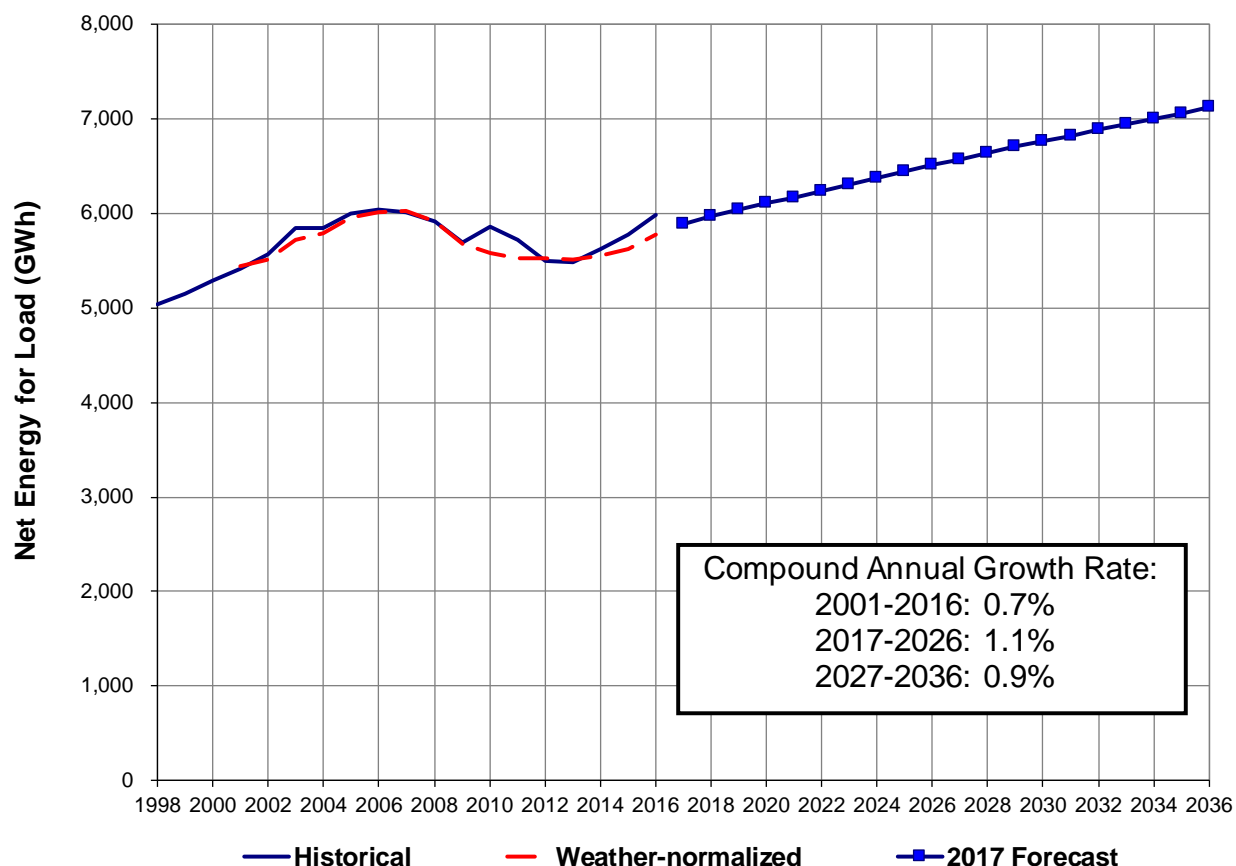


Figure ES-1: Total Net Energy for Load of Current Participants

The Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound annual growth rates of 1.1% per year over 2017-2026 and 0.9% over 2027-2036. The Base Case projected 2016 coincident peak of the Current Participants is 1,267.7 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 2001-2016 of 1.1% per year and a compound annual *decline* over 2007-2016 of 0.1% 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>4</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 2017-2026 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 27.63 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, weather-normalized, 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 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

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<sup>4</sup> Based on seasonally adjusted data reported by the Bureau of Labor Statistics.

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. Values in 2036 are impacted negatively by the anticipated departure of Starke, effective October 2035.

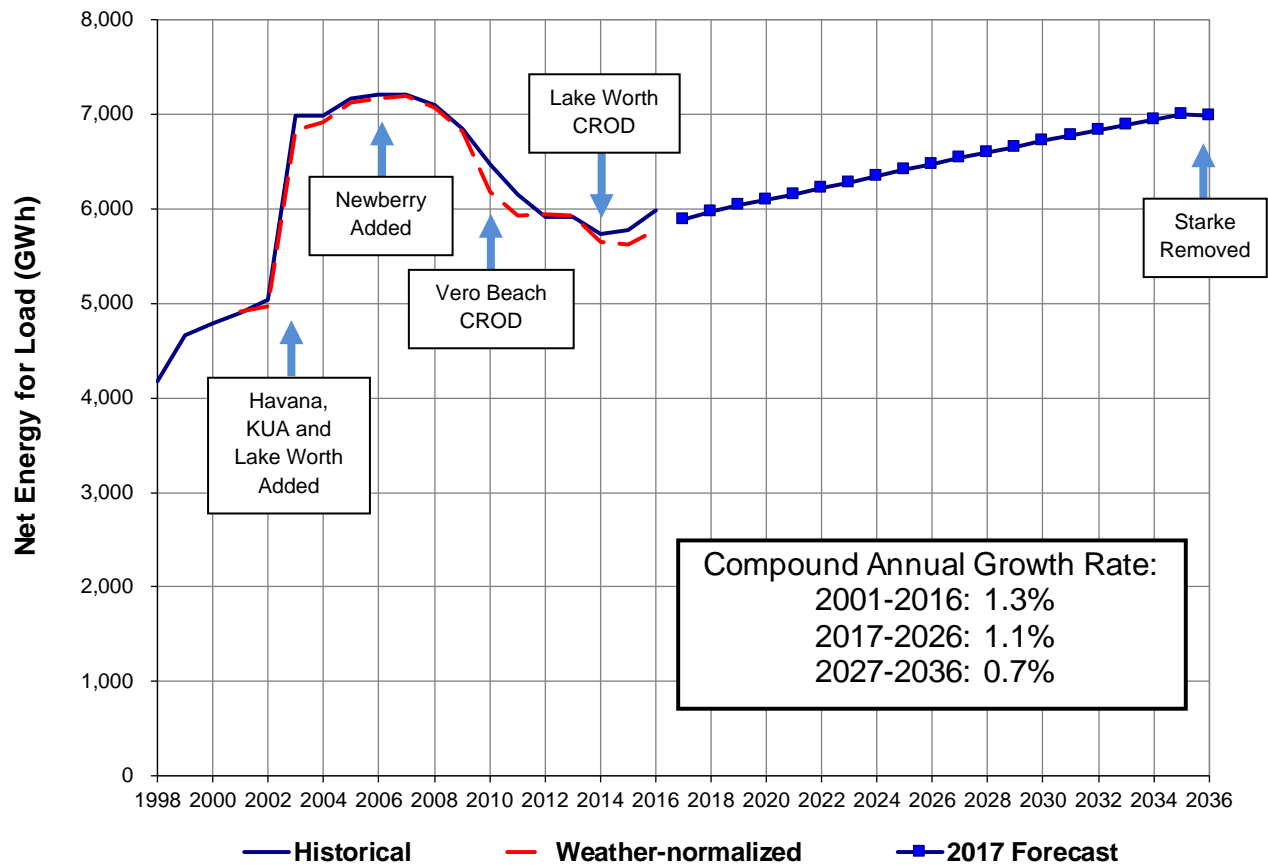


Figure ES-2: Fiscal Year Net Energy for Load Supplied from the ARP

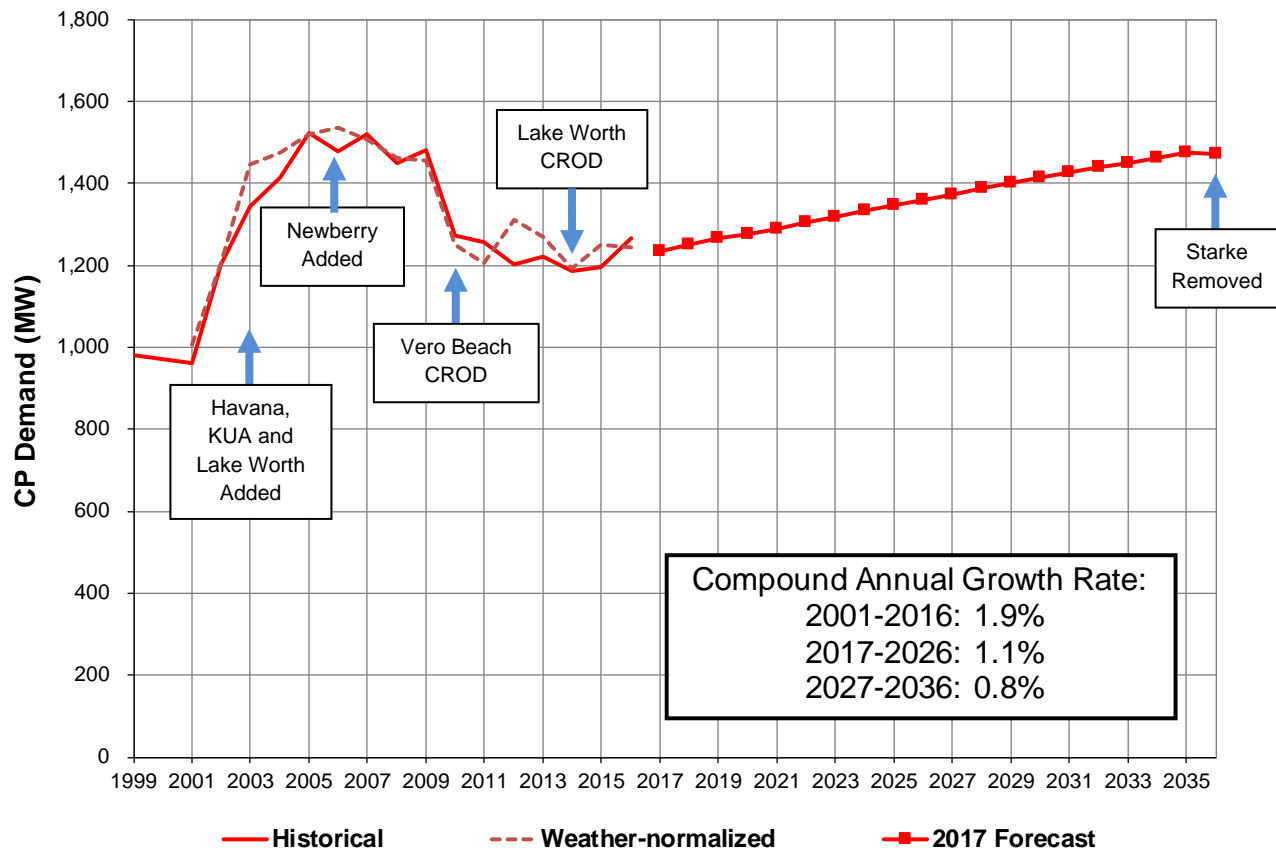


Figure ES-3: Annual Peak Demand Supplied from the ARP

Figure ES-3 above reflects that the weather-normalization of peak demand is a very uncertain process and that peak demands are impacted by a multitude of factors

Figure ES-4 compares the currently forecasted peak demand supplied by the ARP and the forecasted peak demand from the 2016 Forecast. This comparison shows that the current Forecast reflects load levels that are 0.9% higher in the early years of the forecast horizon but cross through the 2016 Forecast to as much as 1.1% lower by the end of the forecast horizon. The 2017 forecast is very similar to the 2016 forecast over the longer-term study period, with some differences resulting from a combination of factors, including updated economic projections and local factors.

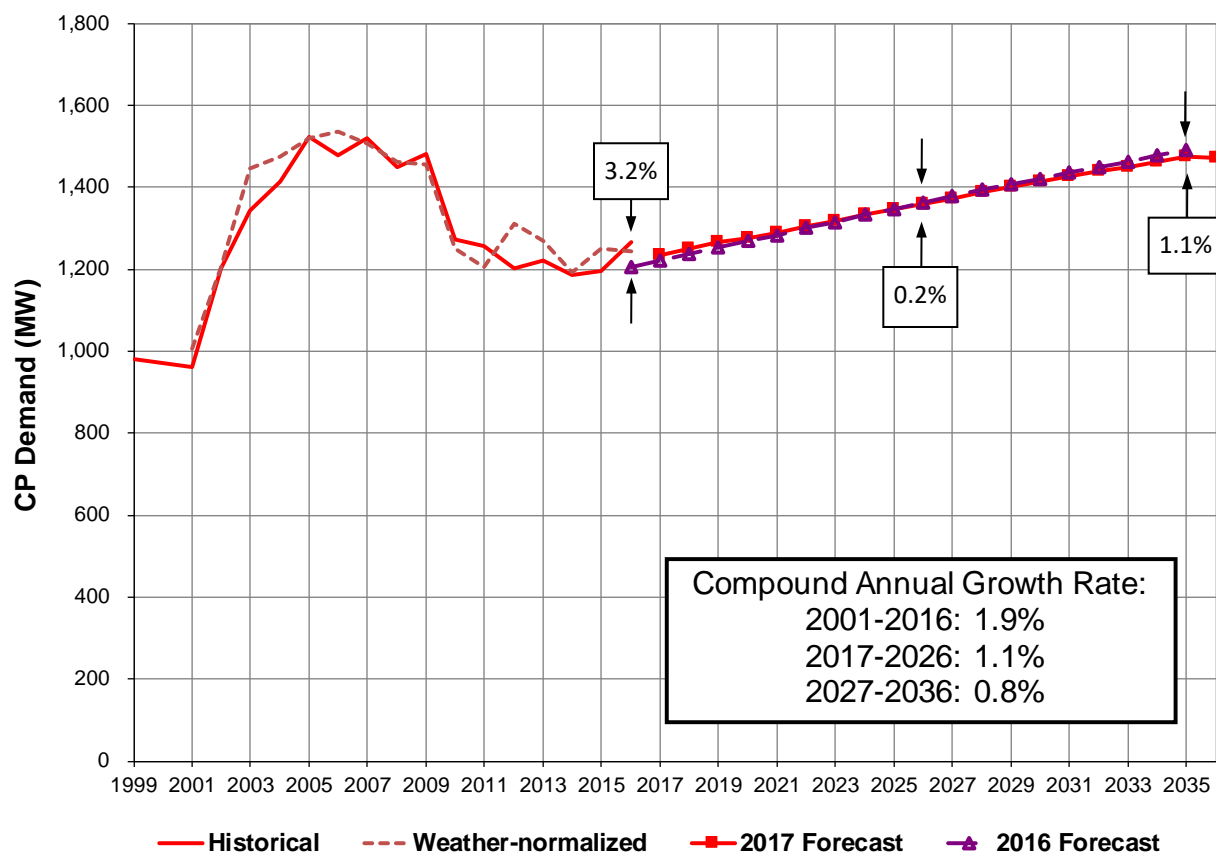


Figure ES-4: Annual ARP Demand Supplied by the ARP

In addition to the Base Case Forecast, several scenarios were prepared 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 0.4% to 1.8% over 2017 to 2026 and from 0.5% to 1.2% over 2027 to 2036 (as compared to the projected growth of the Base Case of 1.1% over 2017 to 2026 and 0.9% over 2027-2036).

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 4.4% and lower in the Mild Case by 4.2%. Winter NEL was higher in the Severe Case by 7.7% 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.

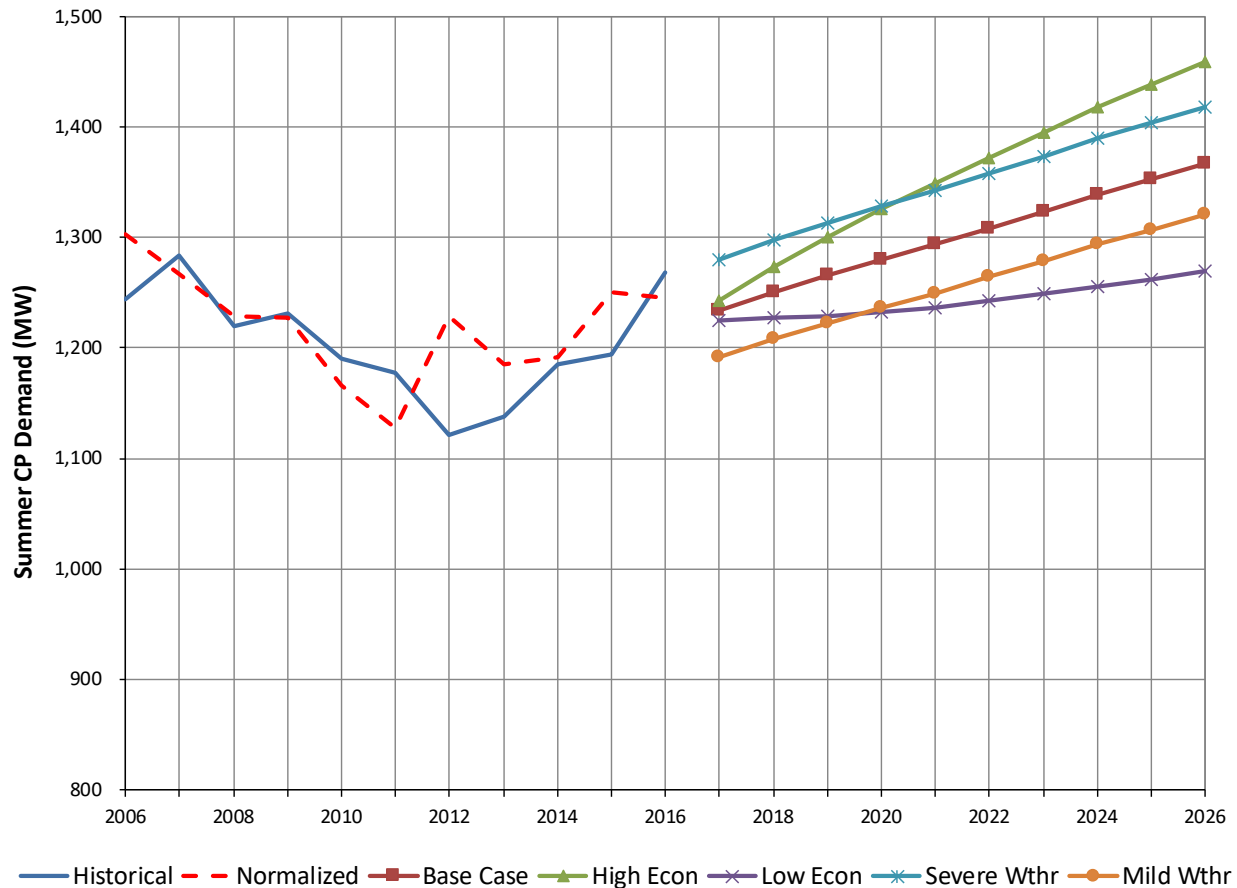


Figure ES-5: Forecast Scenarios of Coincident Peak Demand – Current Participants

The economic scenarios are derived from statistics provided by Woods & Poole regarding historical errors in their state-level forecasts across the United States over 1984-2014. nFront 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 2017 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, concluding comments regarding interpretation of the forecast results and recommendations regarding the planning process are offered. 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, building from the prior body of empirical work in the utility industry.

In this approach, the forecast analyst poses a theoretical set of variables believed to explain energy consumption and estimates the parameters of these variables using statistical software. The reasonableness and statistical significance of each of the variables and the estimated parameters are evaluated using commonly accepted statistical measures and theoretical tests. Models that, in the view of the analyst and guided by industry best practices, best explain the historical variation of energy consumption and provide a reasonable basis for forecasting 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. This approach can enable utilities 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 scenarios 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 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 presents 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 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. 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. In addition, the residential sales forecast for some Participants includes a variable that addresses the impact of variations in the housing vacancy rate. Finally, the residential sales forecast for some Participants reflects the estimated impacts of appliance efficiency standards as more efficient end uses replace older equipment stock, impacts which are generally independent of other organic influences (e.g., the price of electricity). 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 measures. 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. Energy efficiency measures that are part of the program 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 measure 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 its compliance obligations under NERC reliability standard MOD-031, FMPA has adopted an approach to addressing demand-side management (DSM), including conservation programs, in the forecasts of its Peak Demand and NEL. As part of this process, 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 ARP Peak Demand or 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, FMPA maintains a forecasting model to project the participation in and impact of individual DSM measures that comprise the Conservation Program. This model projects adoption of specific measures based on recent program data and the assumption that FMPA will continue funding the Conservation Program at similar levels over the forecast horizon, and combines such projections with FMPA's assumptions regarding the incremental impacts of each measure on demand and energy reduction to forecast the total energy and demand impact.

Based on the results of the forecasting model, the projected 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 distributed solar photovoltaic ("PV") generation.

Table 1-2 summarizes the renewable generation installed on the Participants' distribution systems over 2009-2016. As of December 2016, the ARP had an estimated 2,750 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<sup>5</sup>

	Annual Installs	Cumulative Installs	Cumulative Capacity (kW-AC) <sup>6</sup>	Estimated Generation (MWh-AC)
2009	22	36	226	386
2010	41	77	427	729
2011	22	99	574	983
2012	30	129	779	1,332
2013	67	196	949	1,621
2014	33	229	1,844	3,152
2015	50	279	2,173	3,724
2016	87	366	2,716	4,641

<sup>5</sup> Values do not include a 30 kW-DC system installed at a NOAA facility on the Keys Energy system. Estimated generation values reflect a 19.5 percent capacity factor, based on an industry standard model of PV production for mid-Florida, and degradation of 0.75 percent per year.

<sup>6</sup> Nameplate capacity. Not adjusted for coincidence with the FMPA peak or expected degradation of performance.

In order to assist FMPA with determining the estimated impact on the ARP load forecast of distributed solar capacity, FMPA maintains a database and model to track net metering capacity and project impacts of this capacity on demand and energy requirements on a by-Participant basis. Historical installations are combined with an estimated hourly dispatch profile for a representative solar installation based on the National Renewable Energy Laboratory's PV-Watts™ 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.

In order to develop a projection of the future level of installed distributed PV capacity, nFront Consulting and FMPA have engaged multiple methodologies, including the following:

- **Trend analysis.** In this framework, the trend of total installed capacity is simply extrapolated into the future, typically using a linear function.
- **Bass Diffusion.** This methodology relies on the commonly understood behavior of the diffusion of new technologies, which go through phases of minimal penetration, very rapid adoption, and eventual saturation—a trend that typically has the appearance of an S-curve or logistic function. This methodology attempts to fit the historical trend of adoption to a logistic function, in which the eventual saturation level is either imposed or estimated directly from the data.
- **Econometric modeling of adoption.** This forecasting approach attempts to explain adoption rates as a function of the economics of distributed PV from an archetypical customer's perspective. For this purpose, nFront Consulting developed data regarding the approximate trend of the installed cost of small-scale PV equipment, based on industry research, and developed rough statistics regarding estimated payback for PV installation, based on assumptions regarding retail electricity rates, retail net metering policies, and the anticipated roll-off of investment tax credits.

As a result of the minimal level of existing penetration of distributed PV generation, the Bass Diffusion approach did not yield useful parameters from which to construct a forecast. Based on the trend analysis and econometric modeling of adoption approaches, nFront Consulting estimates that PV penetration across the Participant systems will eventually grow from the current level of about 0.1 percent to between 0.4 and 0.7 percent by the end of the forecast horizon, or 2036. Using both approaches, projections

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<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.

of the number and capacity of PV installations were developed and adjusted for degradation over time. 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, 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). Accordingly, FMPA is not explicitly accounting for the impacts of the Net Metering Program in the forecast. 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 billed consumption data, and the effects of the program are *implicitly* included in the current load forecast through some impact on the forecast equations.

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) was 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 was on the 2016 ballot but narrowly failed to pass. The Florida Right to Produce and Sell Solar Energy Initiative was intended to limit certain 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. This Initiative failed to garner the required number of signatures needed to qualify for the 2016 ballot, but its supporters aim to do so for the 2018 election ballot.

FMPA intends to continue monitoring the trend in installations of distributed generation across the Participants' systems and refining the forecasting methods discussed above.

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<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.

## 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. Assumed distribution loss factors, typically based on a 5-year average of historical loss factors, are 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 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 FMPA (and the FMPP Balancing Authority) and cannot be counted on to be active during peak periods. The operation of such resources for peak-shaving purposes was curtailed effective October 2015 as a result of an ARP policy regarding such resources.

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 2007-2016. 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 (2012-2016). The historical coincidence factors are based on historical coincident peak demand data that is maintained by FMPA. 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 FMPA and information regarding the timing of peak demands of the transmission providers obtained by FMPA.

For long-term resource planning purposes, FMPA 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 nFront. Retail data were generally available and analyzed over January 1992 through September 2016 (Study Period). ARP Conservation Program data were provided by FMPA for the 2009-2016<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

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<sup>9</sup> Some data regarding 2016 was not yet available at the time of the analyses presented herein.

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 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.

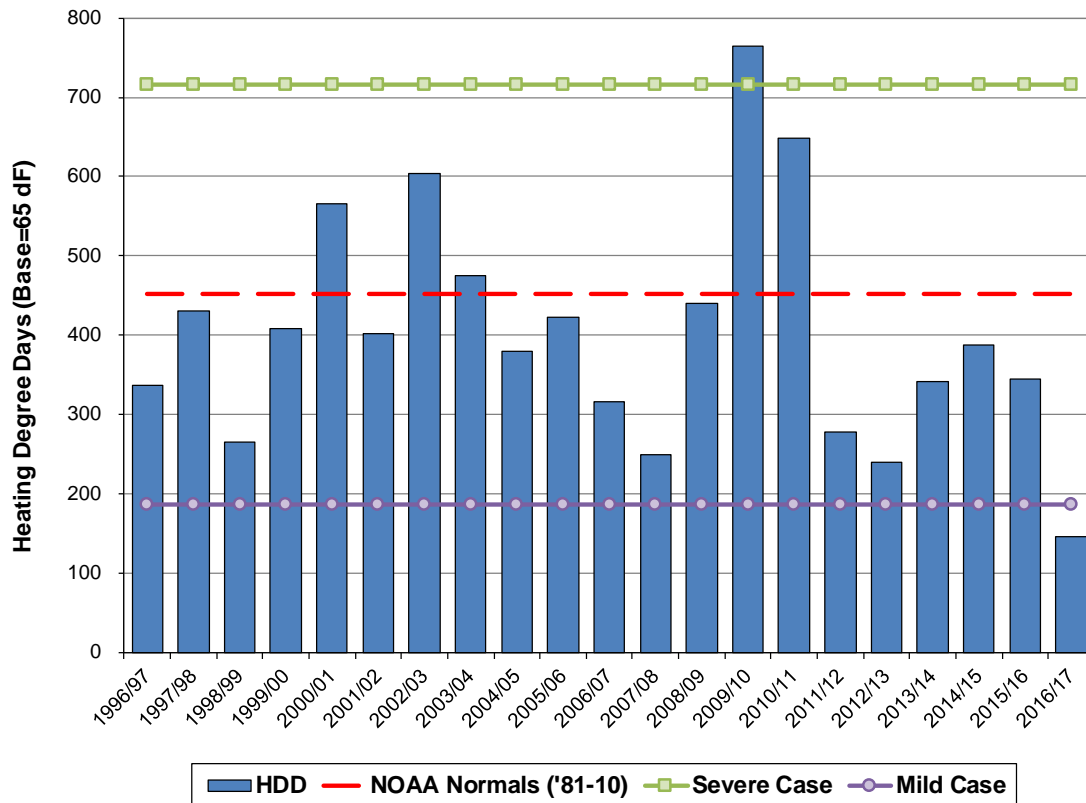


Figure 2-1: Historical v. Normal and Typical Range of Winter Heating Degree Days

<sup>10</sup> The Study Period of analysis for the Load forecast reflects an endpoint of September 2016. Values for winter 2016/17, which includes January and February 2017, are shown here for comparative purposes only.

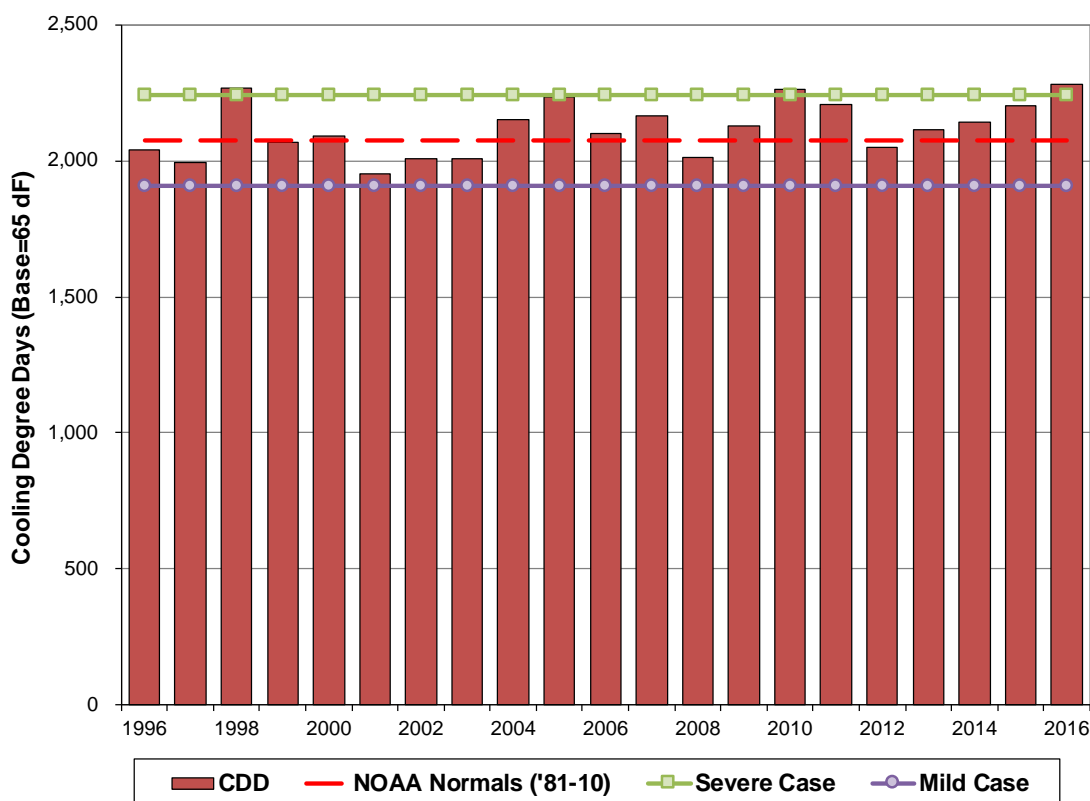


Figure 2-2: Historical v. Normal and Typical Range of Summer Cooling Degree Days

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 2017. 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 2017 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 2016 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. While the updated projections are slightly above the prior values, such differences extend well into the Study Period, such that the overall impact on the forecast is generally negligible.

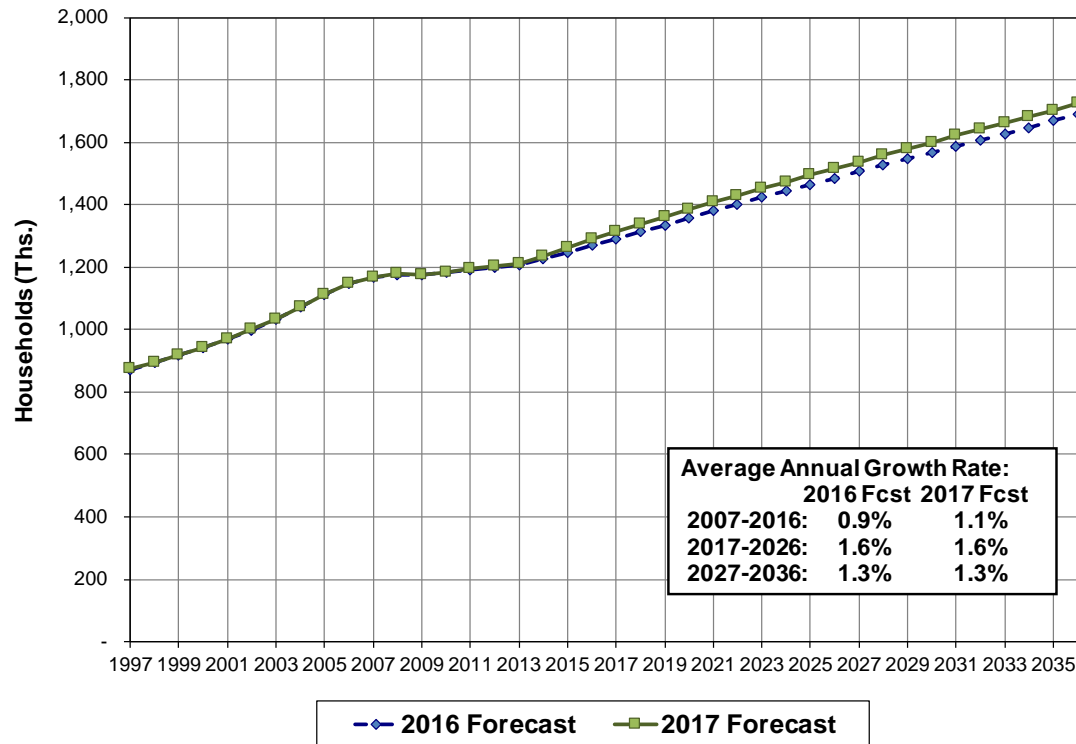


Figure 2-3: Household Counts Across the ARP Counties

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 essentially the same as reflected in the 2016 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. In this case, revisions pertain to the methodology by which historical values were adjusted for inflation, resulting in restatements of actual “real” income data many years back.

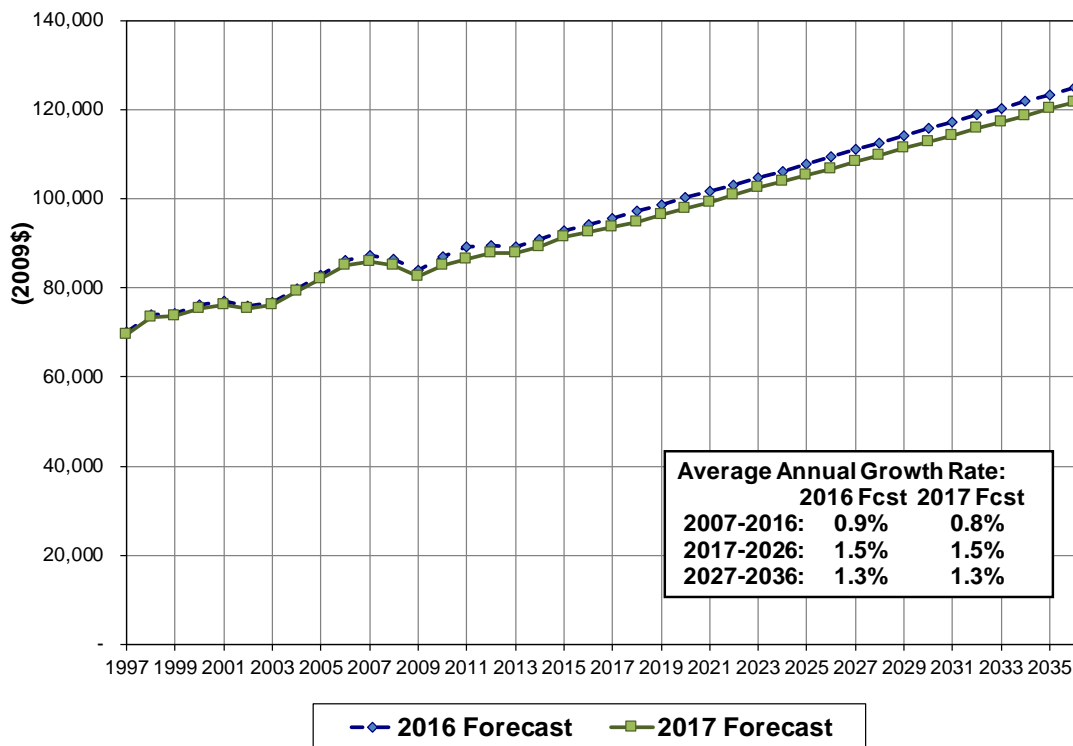


Figure 2-4: Real Average Personal Income per Household Across the ARP Counties

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 1990-2016. Data on this variable specific to Florida are unavailable.

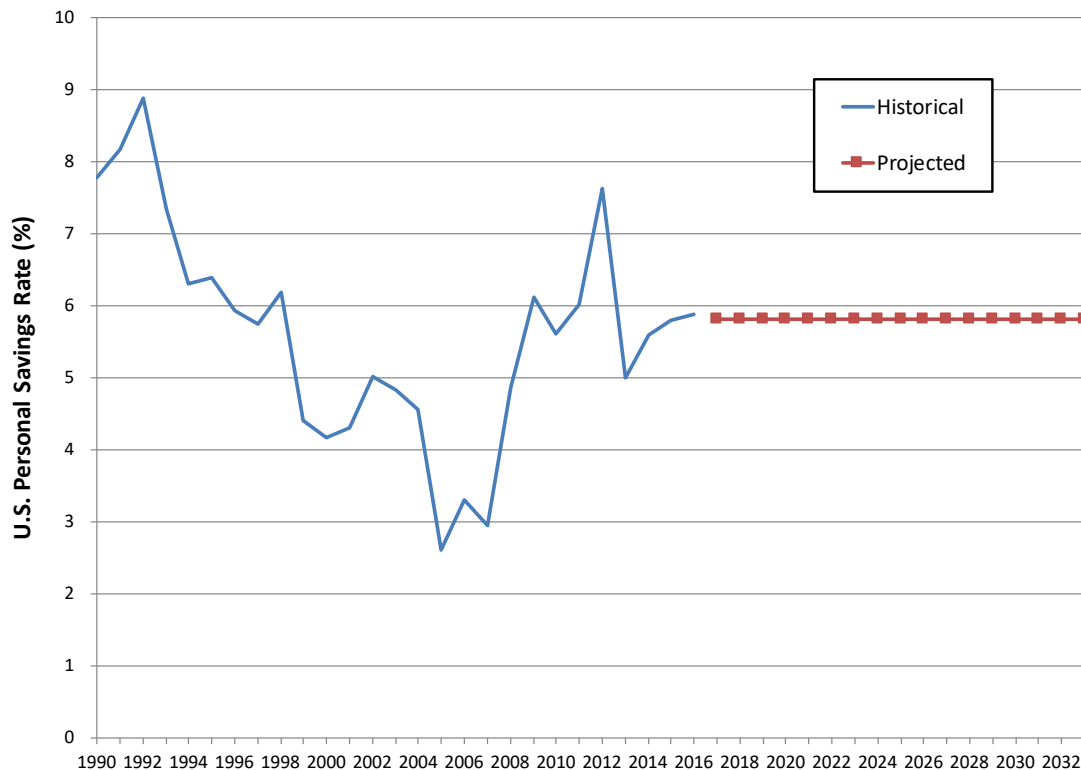


Figure 2-5: Historical and Assumed Future U. S. Personal Savings Rate

## 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, billed by the Participants, 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 have been a significant cause of the recently lower level of average consumption in the residential class across the ARP Participants. While the larger utilities in Florida tend to exclude very low usage customers in their customer counts, most have reported this phenomenon as well and have further reported some recent improvements in residential average use, likely as a result of improved occupancy.

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, although the lack of data specific to the Participants' service areas is a significant limitation. 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.

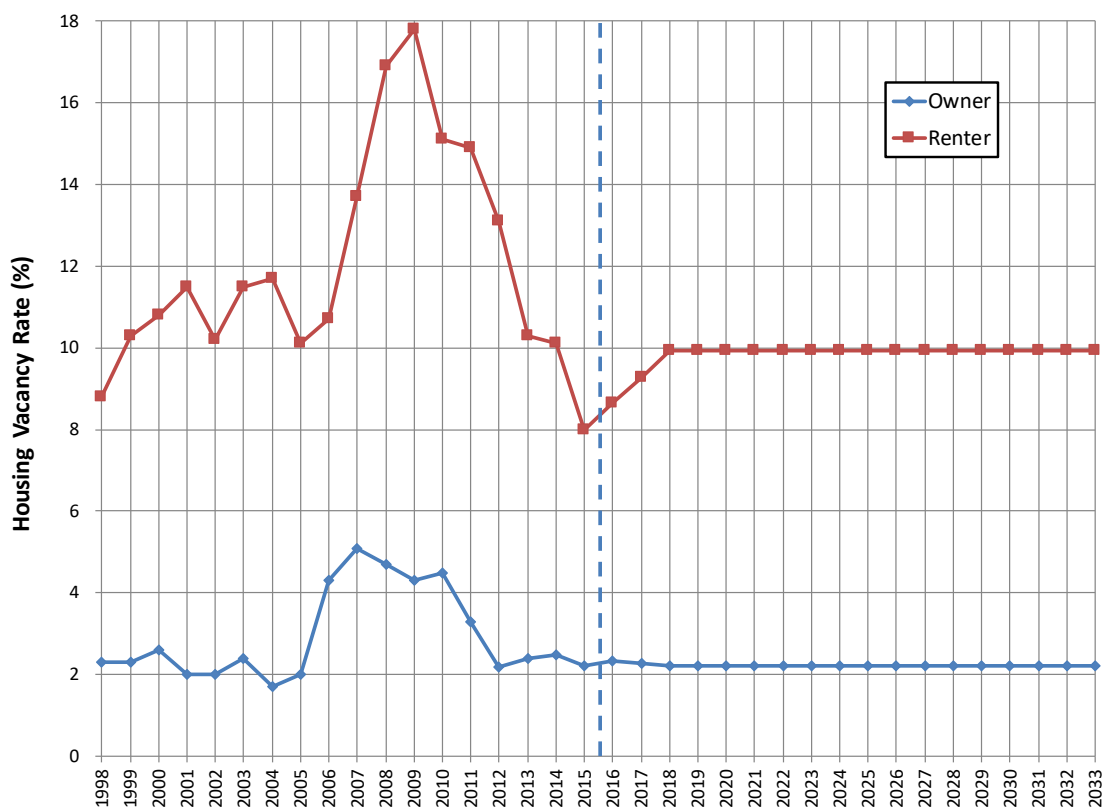


Figure 2-6: Historical and Assumed Future Florida Housing Vacancy Rates

## 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

<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

electricity revenues, which would be correlated with weather-related influences. It is expected that changes in electricity prices are more likely to yield significant and greater variations in load over longer periods of time, or at the higher end of that moving average period. 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 latest AEO reflect that average real electricity prices in the state of Florida are expected to grow at approximately 1.0% per year over 2017 through 2036. Given an average price elasticity<sup>13</sup> across the retail customers of the ARP Participants of 0.2, this has resulted in a decrease in the projected rate of growth in NEL across the ARP Participants of approximately 0.2% per year.

## ENERGY EFFICIENCY STANDARDS

While the economic and electricity price variables are intended to capture discretionary responses of electricity consumers to such economic and market signals, the federal government has additionally engaged in policy actions intended to bring about greater efficiency of energy consumption over many years. The National Appliance Energy Conservation Act of 1987 (NAECA) instituted the first national appliance efficiency standards for a variety of major appliances. Subsequent legislation in 1988, 1992, 2005, and 2007 increased the numbers of end uses with mandated efficiency, now numbering more than 50 products. These laws generally set initial minimum standards and directed the Department of Energy (DOE) to conduct reviews on a regular schedule to determine whether any further increases in the standards were technically feasible and economically justified. For example, the NAECA set the minimum efficiency for split system central air conditioning at the seasonal energy efficiency ratio of 10.0, effective January 1992. Later regulatory action by the DOE, supported by the required review and public involvement process, increased the required SEER level for such systems as shown below.

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<sup>12</sup> Projections were based on the 2017 Annual Energy Outlook.

<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, a price elasticity of 0.2 reflects that a one percent change in price will yield a 0.2% impact on demand (while this influence is in the opposite direction in this case, price elasticity is traditionally shown as a positive value). In most cases, including this Load Forecast, this impact occurs after a lag, sometimes as long as several years.

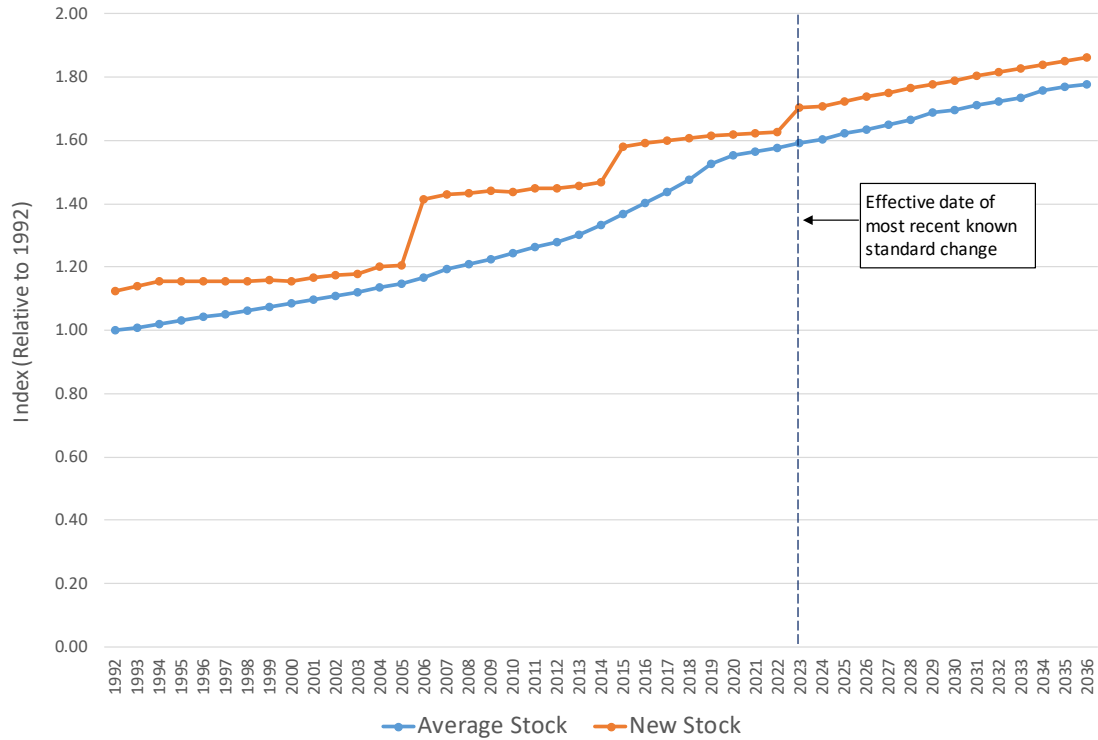
Table 2-1  
Historical National Energy Efficiency Standard for Split System Heat Pumps

Effective Year	SEER
1992	10.0
2006	13.0
2015	14.0
2023	15.0

Similar data regarding other major end uses was combined with estimated delivered efficiency of “white goods” (i.e., clothes washers, electric dryers, refrigerators) provided by the Association of Home Appliance Manufacturers to result in an estimate of total consumption for a typical range of major household end uses. Similar estimates for household lighting were developed capturing the transition of lighting from incandescent to compact fluorescent and light emitting diode (LED) technologies. While future efficiency standards changes are highly uncertain, and there is evidence that the economics of increasing standards are challenging, some continued improvement in such standards was assumed over the forecast horizon.

The resulting time series was combined with residential customer counts data by Participant and an assumed overall useful life to develop an estimate of average consumption of the stock of appliances at constant levels of utilization. This set of time series across the Participants was then translated into indices by dividing the value in 1992 by the current year value for potential use in the forecast equations for residential average consumption by Participant.

Figure 2-7 depicts a representative index associated with new stock in the given year and the installed stock, the former immediately impacted by standards changes and the latter impacted over time as (i) appliances are replaced due to aging and (ii) new customers are added with all new stock.



**Figure 2-7: Historical and Projected Residential Energy Efficiency Index**

While the resulting energy efficiency indices were experimented with for inclusion in the forecast equations for all of the Participants, in most cases, the resulting equation parameters and/or diagnostics precluded their inclusion in the final forecast equations. It appears that the energy efficiency indices tend to be too highly correlated with other important drivers to determine statistically significant and reasonable parameters for the variables in question. However, as these efficiency improvements were active over the historical period, there has been some impact on consumption and the other equation parameters, and as such, there is an implicit impact on the forecast of efficiency improvements. Importantly, historical efficiency improvements appear to be more significant than those projected over the next several years at a minimum, particularly due to the apparent economic constraint on continued improvement in residential HVAC efficiency. FMPA intends to continue working to explicitly capture energy efficiency improvements through refining this methodology and developing forecast scenarios to understand the potential impacts of significant improvements in efficiency.

## Section 3

# PRINCIPAL CONSIDERATIONS AND ASSUMPTIONS

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In preparing the 2017 Load Forecast, as summarized in this report, we have made certain assumptions, primarily related to economic, demographic, and weather conditions that may occur in the future. 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 2017 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 2017 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 2017 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 their estimated influence generally over the period 1992 through 2016.
- 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 2017 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, is based on projected load levels during 2019 and has been reflected herein at differing levels for each scenario.
- The data regarding the ARP Conservation Program, including historical participation and marginal impacts, are assumed to be accurate. nFront Consulting 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 that is 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, nFront Consulting has prepared, with FMPA's assistance, projections 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 that is 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 1.1% per year over fiscal years 2017-2026 and 0.9% over 2027-2036. This compares to historical compound annual growth over 2001-2016 of 0.7% per year and compound annual *decline* over 2007-2016 of 0.1% per year. Similarly, the Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound annual growth rates of 1.1% per year over 2017-2026 and 0.9% over 2027-2036. This compares to historical compound annual growth over 2001-2016 of 1.1% per year and 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 *decline* over 2007-2016 of 0.1% per year. The Base Case projected fiscal year 2017 NEL and coincident peak of the Current Participants are 5,894 GWh and 1,233.5 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 2017-2026 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 significantly warmer than normal during the summer and slightly milder than normal during the winter months. The estimation of weather's impact on energy consumption during fiscal year 2016 reflects that NEL across the Current Participants would have been approximately 3.4% 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.



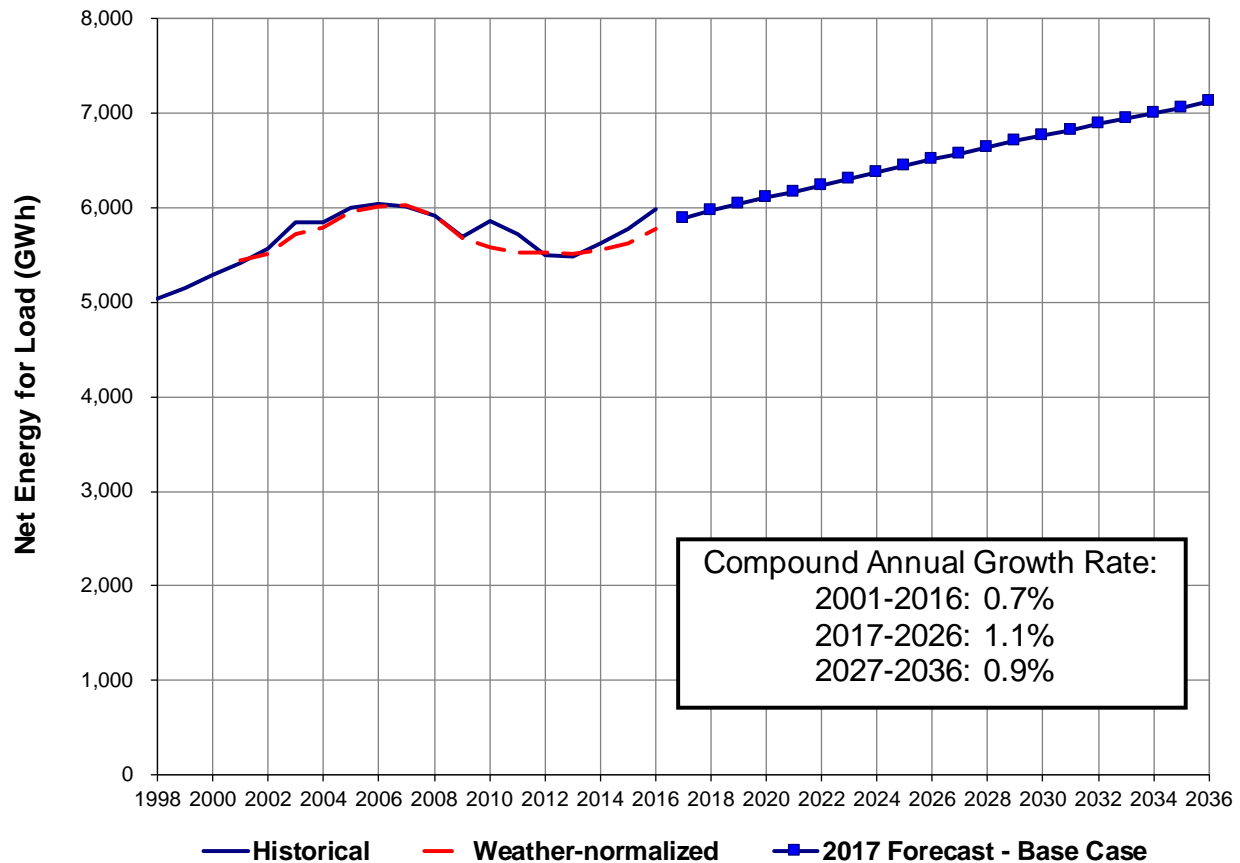


Figure 4-1: Fiscal Year Net Energy for Load of Current Participants

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.

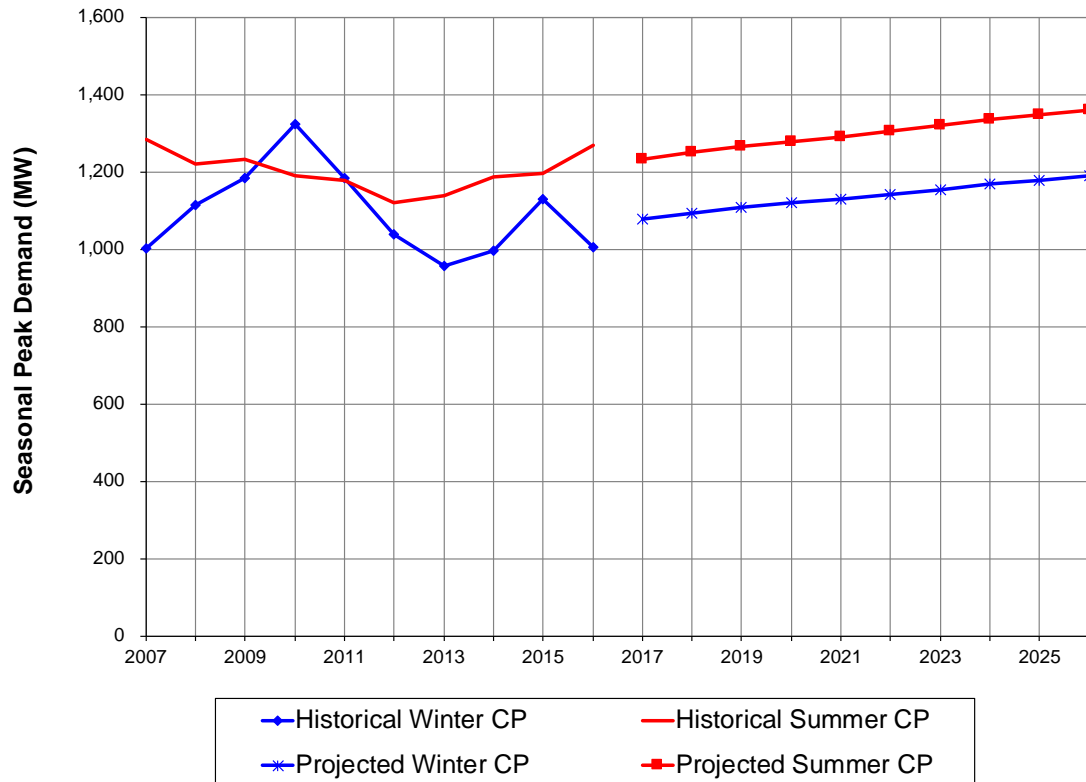


Figure 4-2: Seasonal Peak Demand of the Current Participants

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 27.63 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. Values in 2036 are impacted negatively by the anticipated departure of Starke, effective October 2035.

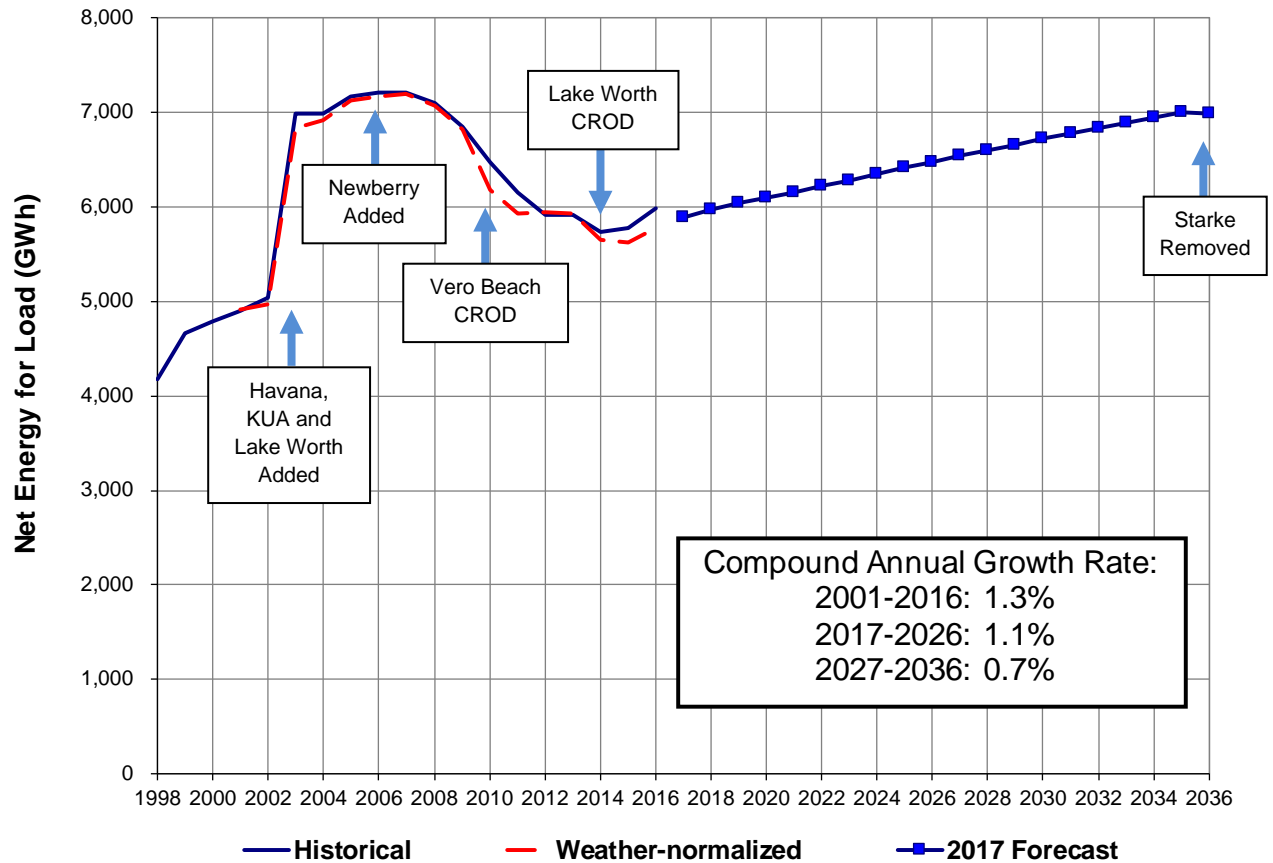


Figure 4-3: Fiscal Year Net Energy for Load Supplied from the ARP

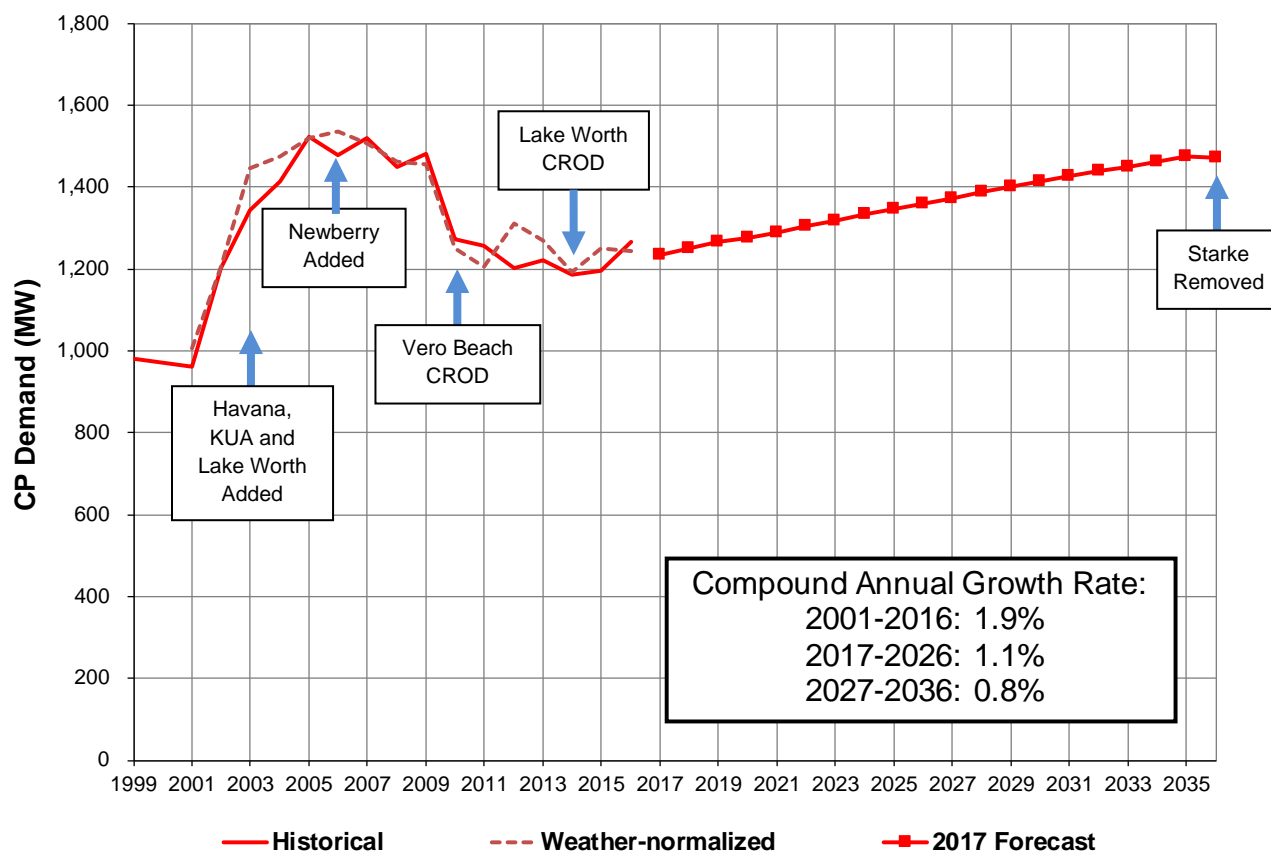


Figure 4-4: Annual Peak Demand Supplied from the ARP

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 4-4 above reflects that the weather-normalization of peak demand is a very uncertain process and that peak demands are impacted by a multitude of factors, many of which are not weather-related.

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 2016 winter peak (i.e., 2015/16 winter) occurred during mild weather, with the estimated impact of weather reducing the peak by approximately 8 percent from the level it would have been had winter peak day weather been normal.

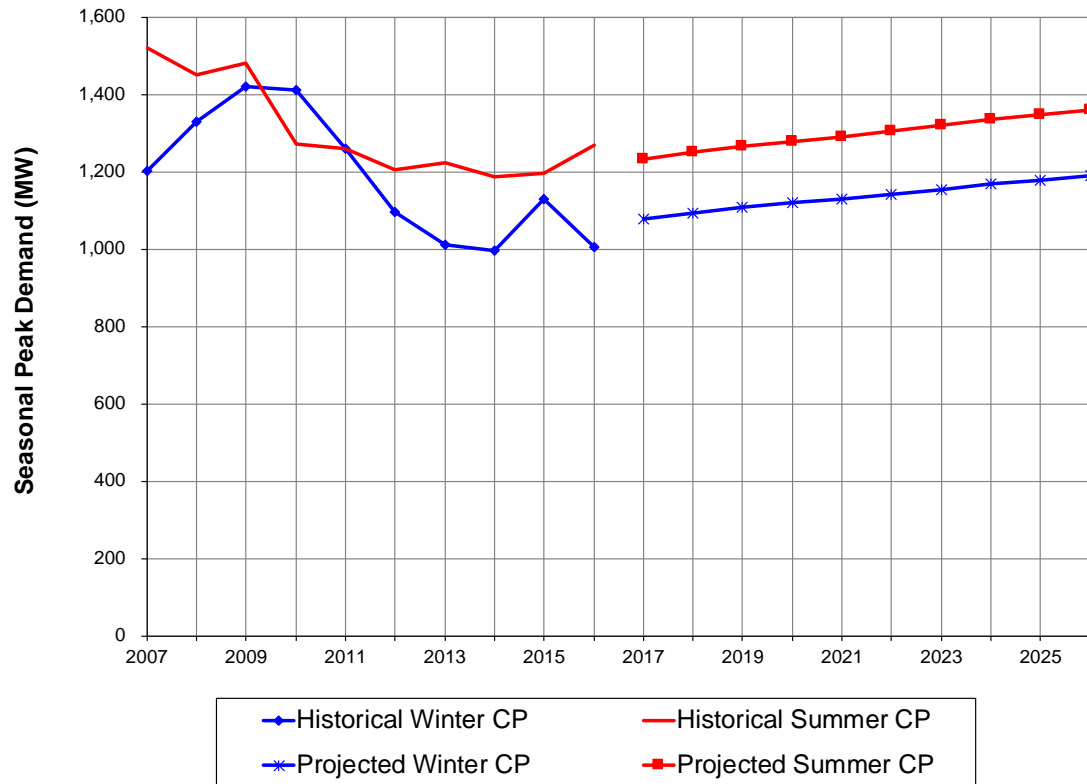


Figure 4-5: Seasonal Peak Demand Supplied from the ARP

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)				
	2017	2021	2026	2031	2036	2017	2021	2026	2031	2036
Bushnell	5.4	5.5	5.7	5.9	6.1	25	25	26	27	28
Clewiston	21.9	22.2	22.5	22.8	23.1	104	106	107	109	110
Ft Meade <sup>[2]</sup>	8.1	8.3	8.3	8.3	8.3	40	41	41	41	41
Ft Pierce	108.7	110.1	111.6	112.5	113.3	578	586	594	600	604
Green Cove Springs <sup>[2]</sup>	24.0	24.3	24.3	24.3	24.3	114	111	112	113	113
Havana	4.9	5.0	5.1	5.1	5.2	25	26	26	26	27
Jacksonville Beach	160.5	166.4	172.7	178.4	184.5	742	769	799	825	854
Key West	134.6	136.8	138.9	140.2	141.1	783	797	810	818	823
Kissimmee	346.2	371.5	407.0	442.2	475.5	1,557	1,669	1,829	1,988	2,138
Leesburg	105.2	111.3	116.7	121.6	126.1	489	518	544	567	588
Newberry	8.3	9.0	9.9	10.7	11.5	37	40	44	48	51
Ocala	290.3	304.3	321.1	337.1	352.5	1,325	1,386	1,463	1,536	1,607
Starke	15.4	15.9	16.5	17.1	17.6	72	75	77	80	83
Total ARP <sup>[3]</sup>	1,233.3	1,290.6	1,360.3	1,426.3	1,471.6	5,891	6,150	6,472	6,777	6,982

[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 2016 LOAD FORECAST

A similar forecast was completed in early 2016 (2016 Forecast). Net energy for load of the Current Participants for fiscal year 2016, as projected in the 2016 Forecast, was 3.3% lower than the actual but approximately equal to the weather-normalized value, as 2016 was impacted by a very warm summer. The forecasted 2016 summer coincident peak from the 2016 Forecast was approximately 4.9% lower than the actual 2016 summer coincident peak but was estimated to be only 3.1% lower than the weather-normalized 2016 summer coincident peak. While the summer peak day exhibited fairly normal weather conditions, the peak day occurred in July rather than the more typical occurrence in August, and it is estimated that, had more typical summer peak day weather conditions occurred during August and more typical and slightly milder conditions occurred during the July *monthly* peak demand, the summer 2016 peak would have occurred in August and would have been slightly lower than the actual July 2016 peak (approximately 1.8 percent lower, though still slightly above the 2016 Forecast).

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 2017 Load Forecast and the 2016 Forecast. Differences in forecasted NEL range from 0.5% higher in FY2017 to 1.7% lower in FY2035, and differences in annual peak demand range from 0.9% higher in FY2017 to 1.1% lower in FY2035.

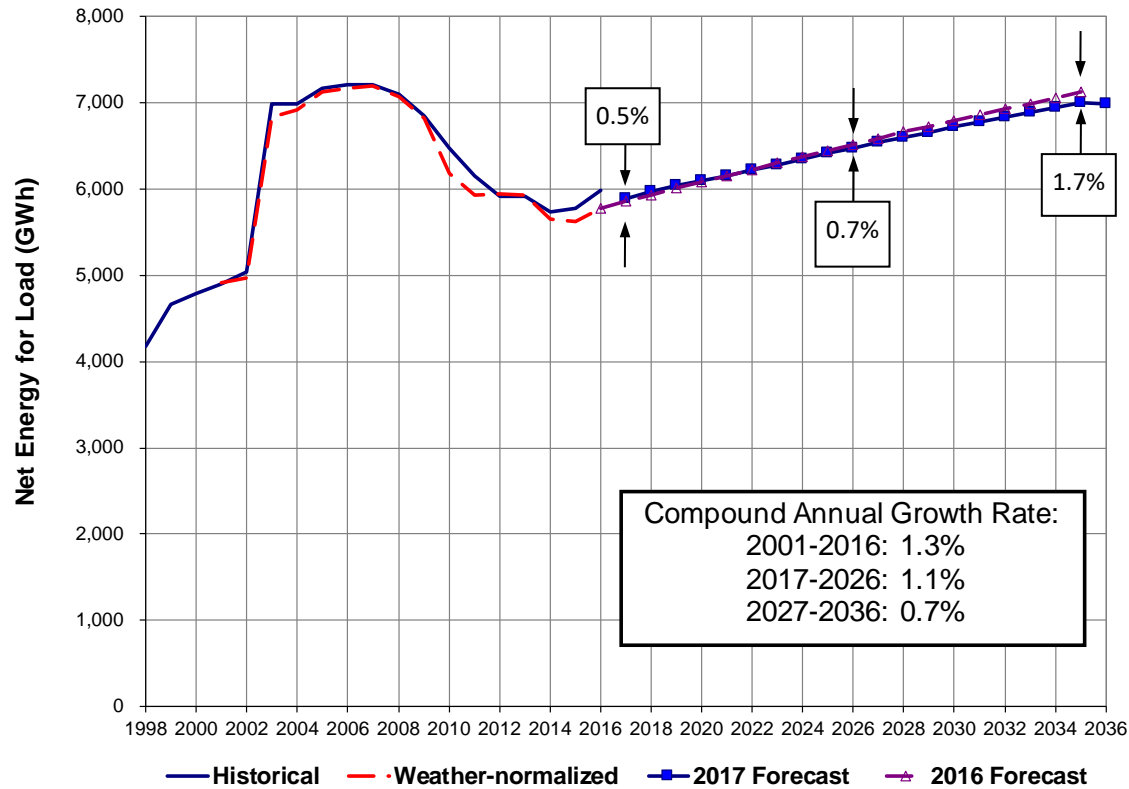


Figure 4-6: Annual Net Energy for Load Supplied by the ARP

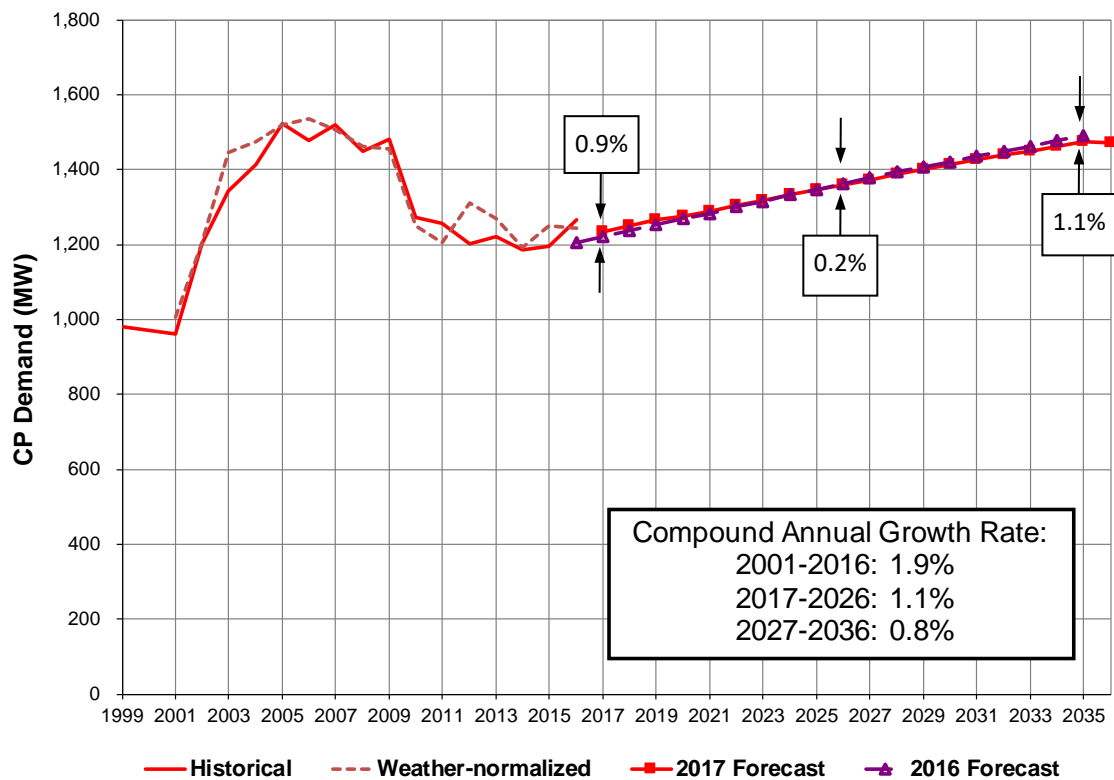


Figure 4-7: Annual Peak Demand Supplied by the ARP

## 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 2014 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
2017	2.2%	4.3%	5.0%	3.6%
2018	3.4%	6.3%	7.3%	5.2%
2019	4.3%	7.8%	9.0%	6.3%
2020	5.2%	9.2%	10.5%	7.3%
2021	6.0%	10.4%	11.9%	8.2%
2022	6.8%	11.5%	13.1%	8.9%
2023	7.5%	12.5%	14.2%	9.7%
2024	8.1%	13.4%	15.2%	10.3%
2025	8.8%	14.3%	16.2%	10.9%
2026	9.4%	15.2%	17.1%	11.5%
2027	9.9%	16.0%	18.0%	12.0%
2028	10.5%	16.8%	18.9%	12.6%
2029	11.1%	17.5%	19.7%	13.1%
2030	11.6%	18.2%	20.5%	13.5%
2031	12.1%	18.9%	21.3%	14.0%
2032	12.6%	19.6%	22.0%	14.4%
2033	13.1%	20.3%	22.7%	14.9%
2034	13.6%	20.9%	23.5%	15.3%
2035	14.1%	21.6%	24.1%	15.7%
2036	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 approximately 0.4% to 1.8% over 2017 to 2026 and from 0.5% to 1.2% over 2027 to 2036. This compares to compound annual growth rates for the Base Case of 1.1% over 2017 to 2026 and 0.9% over 2027 to 2036. 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 Fort Pierce, Jacksonville Beach, and Key West.

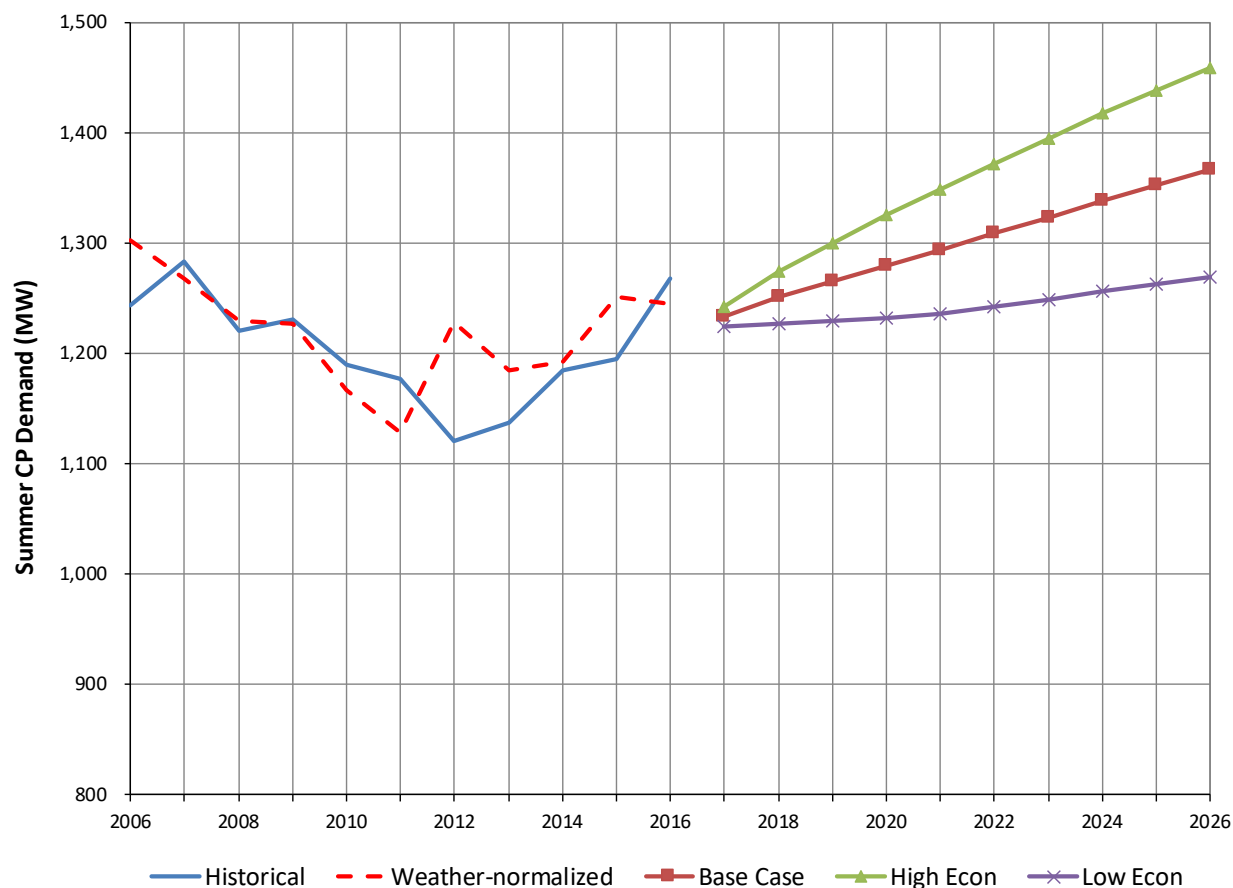


Figure 4-8: Economic-related Uncertainty in Summer CP Demand – Current Participants

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. 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. nFront 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 FMPP 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 1971-2016. 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 FMPP 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.

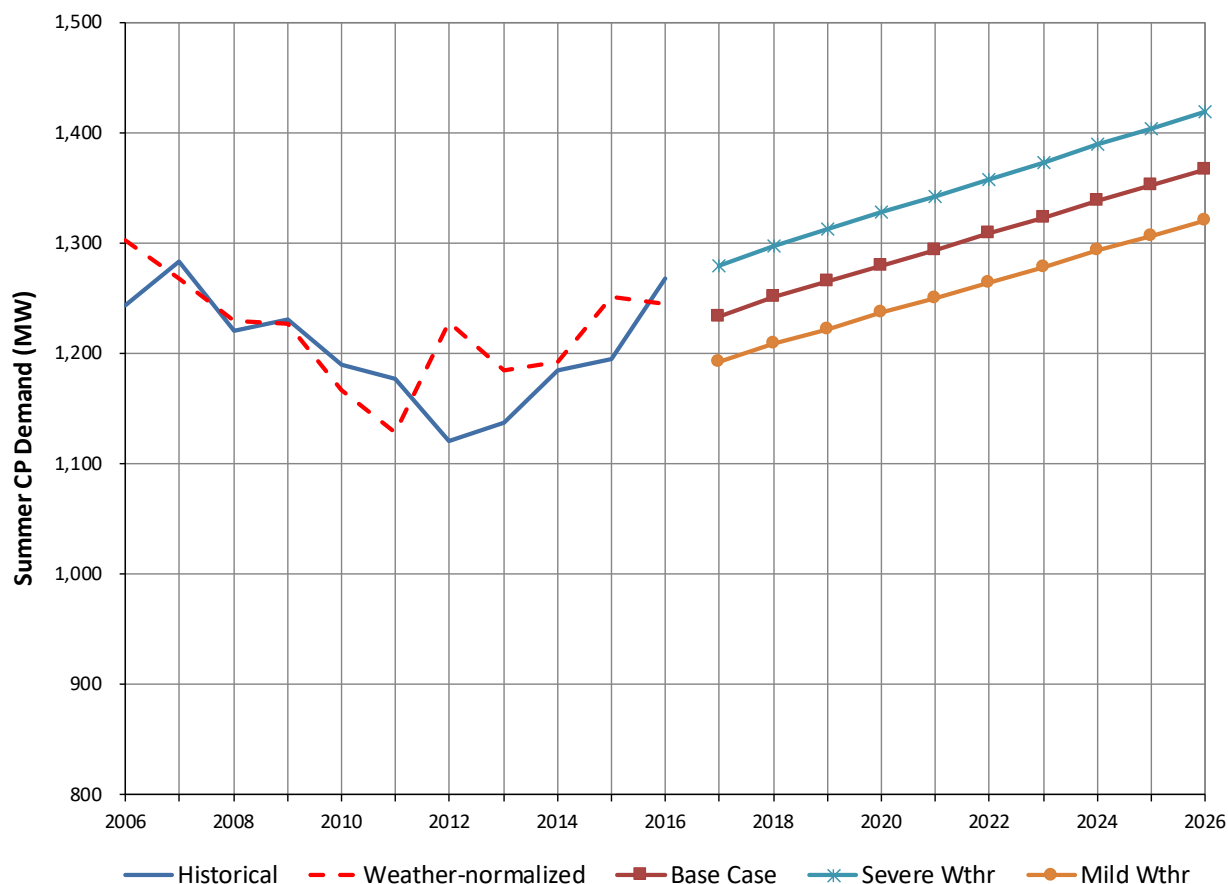


Figure 4-9: Weather-related Uncertainty in Summer CP Demand – Current Participants

Net energy for load for the summer season in any particular year in the Severe Case was higher than the Base Case by 4.4% and lower in the Mild Case by 4.2%. Winter NEL was higher in the Severe Case by 7.7% 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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It is important to recognize that no forecast will prove to be perfectly accurate once projected periods become history. The 2017 Load Forecast is no exception. 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. Overall population growth is somewhat predictable, but migration rates and the pace of economic activity are highly uncertain. At the local 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). It is in this environment that forecasts of the power requirements of the ARP Participants must be developed.

The 2017 Load Forecast represents a reasonable and prudent basis for typical utility planning purposes. However, considering the uncertainties discussed above and further herein, the ARP Load 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.

In consultation with nFront Consulting, FMPA has a process in place to periodically review updated economic projections, system loads, and retail customer data, and performs various analyses annually to provide an updated view on forecasted loads as input to on-going planning activities.









Appendix A  
TOTAL ALL REQUIREMENTS PROJECT

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FMPA 2017 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	2007	7,209,394	-	7,191,917	-	-0.2%	1,202.3	-	1,306.8	-	8.7%	1,521.2	-	1,506.5	-	-1.0%
	2008	7,091,611	-1.6%	7,069,598	-1.7%	-0.3%	1,330.2	10.6%	1,338.8	2.5%	0.7%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,822,525	-3.5%	-0.4%	1,418.5	6.6%	1,317.8	-1.6%	-7.1%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,172,882	-9.5%	-4.6%	1,412.0	-0.5%	1,200.9	-8.9%	-15.0%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,923,008	-4.0%	-3.6%	1,258.3	-10.9%	1,250.6	4.1%	-0.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,943,517	0.3%	0.5%	1,096.7	-12.8%	1,100.8	-12.0%	0.4%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,931,424	-0.2%	0.3%	1,009.9	-7.9%	1,040.9	-5.4%	3.1%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,339	-4.6%	-1.3%	996.9	-1.3%	1,125.6	8.1%	12.9%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,627,970	-0.5%	-2.6%	1,128.5	13.2%	1,063.2	-5.5%	-5.8%	1,194.4	0.8%	1,250.8	4.9%	4.7%
	2016	5,981,790	3.5%	5,779,315	2.7%	-3.4%	1,006.1	-10.8%	1,084.0	2.0%	7.7%	1,267.7	6.1%	1,245.2	-0.4%	-1.8%
Projected	2017	5,891,243	-1.5%	5,891,243	1.9%		1,078.8	7.2%	1,078.8	-0.5%		1,233.3	-2.7%	1,233.3	-1.0%	
	2018			5,965,748	1.3%				1,093.8	1.4%				1,250.4	1.4%	
	2019			6,036,661	1.2%				1,106.9	1.2%				1,265.0	1.2%	
	2020			6,094,297	1.0%				1,118.3	1.0%				1,277.7	1.0%	
	2021			6,149,811	0.9%				1,129.6	1.0%				1,290.6	1.0%	
	2022			6,216,229	1.1%				1,142.2	1.1%				1,304.7	1.1%	
	2023			6,281,057	1.0%				1,154.0	1.0%				1,318.9	1.1%	
	2024			6,349,557	1.1%				1,167.1	1.1%				1,333.7	1.1%	
	2025			6,410,008	1.0%				1,178.5	1.0%				1,346.6	1.0%	
	2026			6,472,316	1.0%				1,190.0	1.0%				1,360.3	1.0%	
	2027			6,535,454	1.0%				1,201.9	1.0%				1,374.0	1.0%	
	2028			6,603,738	1.0%				1,214.7	1.1%				1,388.8	1.1%	
	2029			6,659,458	0.8%				1,225.1	0.9%				1,400.8	0.9%	
	2030			6,718,366	0.9%				1,236.3	0.9%				1,413.6	0.9%	
	2031			6,776,912	0.9%				1,247.4	0.9%				1,426.3	0.9%	
	2032			6,839,613	0.9%				1,259.2	0.9%				1,439.9	1.0%	
	2033			6,891,119	0.8%				1,269.0	0.8%				1,451.1	0.8%	
	2034			6,946,789	0.8%				1,279.6	0.8%				1,463.3	0.8%	
	2035			7,002,948	0.8%				1,290.4	0.8%				1,475.6	0.8%	
	2036			6,982,301	-0.3%				1,285.2	-0.4%				1,471.6	-0.3%	
CAGR <sup>[3]</sup>	2007-2016		-2.1%		-2.4%			-2.0%		-2.1%			-2.0%		-2.1%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				0.7%					0.7%					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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Base Case**  
**Total Agency - Supplied**  
**2017 v. 2016 (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	2007	7,209,394	-	7,209,394	-	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%	5,777,052	0.8%	1,149.5	1,229.4	1,149.5	1,229.4	1,128.5	1,194.4	1,128.5	1,194.4
	2016	5,981,790	3.5%	5,781,530	0.1%	1,061.1	1,291.2	1,126.8	1,235.8	1,006.1	1,267.7	1,069.6	1,205.8
Projected	2017	5,891,243	-1.5%	5,862,578	1.4%	1,147.6	1,261.0	1,141.7	1,252.2	1,078.8	1,233.3	1,083.8	1,221.9
	2018	5,965,748	1.3%	5,933,288	1.2%	1,163.4	1,278.5	1,155.8	1,267.6	1,093.8	1,250.4	1,097.4	1,237.0
	2019	6,036,661	1.2%	6,006,754	1.2%	1,176.8	1,293.2	1,170.3	1,283.7	1,106.9	1,265.0	1,111.4	1,252.7
	2020	6,094,297	1.0%	6,077,646	1.2%	1,188.6	1,306.2	1,184.8	1,299.5	1,118.3	1,277.7	1,125.2	1,268.3
	2021	6,149,811	0.9%	6,148,894	1.2%	1,200.3	1,319.3	1,199.1	1,315.6	1,129.6	1,290.6	1,139.0	1,284.1
	2022	6,216,229	1.1%	6,226,020	1.3%	1,213.4	1,333.5	1,214.0	1,332.2	1,142.2	1,304.7	1,153.2	1,300.4
	2023	6,281,057	1.0%	6,300,101	1.2%	1,225.7	1,347.9	1,228.3	1,348.2	1,154.0	1,318.9	1,167.0	1,316.1
	2024	6,349,557	1.1%	6,376,946	1.2%	1,239.3	1,362.9	1,243.2	1,364.9	1,167.1	1,333.7	1,181.3	1,332.5
	2025	6,410,008	1.0%	6,444,782	1.1%	1,251.2	1,376.0	1,256.3	1,379.6	1,178.5	1,346.6	1,193.9	1,347.0
	2026	6,472,316	1.0%	6,516,478	1.1%	1,263.1	1,389.8	1,270.3	1,395.2	1,190.0	1,360.3	1,207.3	1,362.3
	2027	6,535,454	1.0%	6,588,183	1.1%	1,275.4	1,403.7	1,284.2	1,410.7	1,201.9	1,374.0	1,220.6	1,377.6
	2028	6,603,738	1.0%	6,663,811	1.1%	1,288.7	1,418.7	1,298.8	1,427.1	1,214.7	1,388.8	1,234.7	1,393.7
	2029	6,659,458	0.8%	6,728,803	1.0%	1,299.5	1,430.8	1,311.4	1,441.2	1,225.1	1,400.8	1,246.7	1,407.5
	2030	6,718,366	0.9%	6,796,553	1.0%	1,311.1	1,443.7	1,324.4	1,455.7	1,236.3	1,413.6	1,259.3	1,421.8
	2031	6,776,912	0.9%	6,860,620	0.9%	1,322.5	1,456.6	1,336.9	1,469.6	1,247.4	1,426.3	1,271.3	1,435.4
	2032	6,839,613	0.9%	6,930,006	1.0%	1,334.8	1,470.4	1,350.6	1,484.8	1,259.2	1,439.9	1,284.5	1,450.4
	2033	6,891,119	0.8%	6,991,513	0.9%	1,344.9	1,481.7	1,362.7	1,498.3	1,269.0	1,451.1	1,296.1	1,463.7
	2034	6,946,789	0.8%	7,057,992	1.0%	1,355.9	1,494.0	1,375.7	1,512.7	1,279.6	1,463.3	1,308.6	1,477.9
	2035	7,002,948	0.8%	7,124,196	0.9%	1,367.0	1,506.4	1,388.7	1,527.2	1,290.4	1,475.6	1,321.1	1,492.1
	2036	6,982,301	-0.3%			1,361.8	1,502.2			1,285.2	1,471.6		
CAGR <sup>[1]</sup>	Historical		-2.1%		-2.7%	-2.4%	-2.0%	-1.7%	-2.8%	-3.4%	-1.7%	-2.3%	-2.7%
	1st 10 Prj Yrs		1.1%		1.2%	1.1%	1.1%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
	2nd 10 Prj Yrs		0.7%		1.0%	0.7%	0.8%	1.0%	1.0%	0.7%	0.8%	1.0%	1.0%

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), Starke (Sep-35)

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,904	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	477,199	447,017	436,736	5,876,322	5,777,052
	2016	434,986	397,529	428,066	436,669	517,921	586,159	645,813	615,145	558,551	493,205	412,253	439,527	5,965,823	5,981,790
Projected	2017	456,487	401,150	423,394	437,638	507,965	560,928	602,975	611,097	544,625	491,254	420,325	445,737	5,903,574	5,891,243
	2018	463,305	407,390	428,936	442,614	515,633	567,879	610,918	620,112	551,644	497,969	425,996	451,385	5,983,781	5,965,748
	2019	469,182	412,492	433,820	447,637	521,650	574,156	617,705	627,040	557,629	503,187	430,460	456,092	6,051,050	6,036,661
	2020	473,159	420,158	437,138	451,177	525,964	579,018	623,000	632,548	562,395	507,331	433,787	459,684	6,105,362	6,094,297
	2021	478,040	420,171	441,565	455,743	531,384	585,032	629,502	639,272	568,299	512,859	438,471	464,694	6,165,033	6,149,811
	2022	483,269	424,721	446,229	460,539	537,082	591,342	636,291	646,279	574,453	518,140	442,891	469,410	6,230,645	6,216,229
	2023	488,197	429,007	450,882	465,313	542,748	597,614	643,057	653,251	580,547	523,572	447,438	474,259	6,295,886	6,281,057
	2024	493,256	437,867	455,396	469,932	548,222	603,663	649,574	659,966	586,411	529,014	452,016	479,138	6,364,456	6,349,557
	2025	498,353	437,833	459,981	474,628	553,808	609,835	656,211	666,802	592,390	534,131	456,279	483,677	6,423,926	6,410,008
Projected	2026	503,100	441,947	464,428	479,187	559,234	615,846	662,710	673,516	598,261	539,373	460,664	488,370	6,486,638	6,472,316
	2027	508,012	446,202	468,887	483,754	564,671	621,873	669,232	680,257	604,160	544,645	465,073	493,097	6,549,862	6,535,454
	2028	512,985	455,272	473,388	488,360	570,156	627,949	675,789	687,001	610,021	549,838	469,376	497,666	6,617,802	6,603,738
	2029	517,741	454,617	477,683	492,735	575,336	633,664	681,934	693,331	615,537	554,746	473,485	502,060	6,672,871	6,659,458
	2030	522,346	458,600	481,847	496,999	580,408	639,282	687,997	699,594	621,000	559,609	477,551	506,404	6,731,637	6,718,366
	2031	526,902	462,548	485,988	501,240	585,456	644,881	694,043	705,842	626,449	564,459	481,606	510,733	6,790,146	6,776,912
	2032	531,436	471,469	490,070	505,412	590,414	650,367	699,953	711,938	631,756	569,176	485,552	514,943	6,852,486	6,839,613
	2033	535,838	470,279	494,086	509,519	595,291	655,760	705,763	717,934	636,978	573,817	489,439	519,089	6,903,793	6,891,119
	2034	540,186	474,038	498,010	513,540	600,079	661,070	711,496	723,867	642,158	578,432	493,310	523,228	6,959,414	6,946,789
Projected	2035	544,539	477,815	501,968	517,601	604,927	666,457	717,326	729,907	647,438	576,551	491,221	520,920	6,996,670	7,002,948
	2036	542,232	481,181	499,961	515,746	602,725	664,165	714,813	727,666	645,119	581,266	495,164	525,139	6,995,179	6,982,301

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.9%	9.1%	8.1%	7.6%	7.4%	100.0%
	2016	7.3%	6.7%	7.2%	7.3%	8.7%	9.8%	10.8%	10.3%	9.4%	8.3%	6.9%	7.4%	100.0%
Projected	2017	7.7%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2018	7.7%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2019	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2020	7.7%	6.9%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2021	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2022	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2023	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2024	7.8%	6.9%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2025	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.5%	8.8%	9.6%	10.2%	10.3%	9.3%	8.3%	6.9%	7.4%	100.0%
	2017-2026	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	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), Starke (Sep-35)

**FMPA 2017 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	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	1,045.8	1,029.8	883.0	1,149.5	1,229.4
	2016	1,061.1	1,047.8	943.2	1,040.4	1,121.9	1,247.3	1,291.2	1,260.1	1,168.4	1,091.3	878.1	895.5	1,061.1	1,291.2
Projected	2017	1,147.6	1,102.2	899.8	981.6	1,124.3	1,226.0	1,234.2	1,261.0	1,176.0	1,073.5	887.0	907.7	1,147.6	1,261.0
	2018	1,163.4	1,117.3	912.1	995.0	1,139.8	1,242.9	1,251.1	1,278.5	1,192.2	1,088.3	897.5	918.0	1,163.4	1,278.5
	2019	1,176.8	1,130.2	922.3	1,006.3	1,152.8	1,257.2	1,265.5	1,293.2	1,206.0	1,100.8	907.4	928.2	1,176.8	1,293.2
	2020	1,188.6	1,140.9	930.8	1,016.0	1,164.2	1,269.8	1,278.1	1,306.2	1,217.9	1,111.5	914.5	935.7	1,188.6	1,306.2
	2021	1,200.3	1,152.0	939.8	1,026.0	1,175.7	1,282.4	1,290.8	1,319.3	1,230.1	1,122.6	924.3	945.8	1,200.3	1,319.3
	2022	1,213.4	1,164.0	949.8	1,037.1	1,188.4	1,296.2	1,304.8	1,333.5	1,243.4	1,134.7	933.6	955.2	1,213.4	1,333.5
	2023	1,225.7	1,176.2	959.7	1,048.1	1,201.2	1,310.1	1,318.8	1,347.9	1,256.8	1,146.9	943.9	965.6	1,225.7	1,347.9
	2024	1,239.3	1,188.8	970.1	1,059.7	1,214.5	1,324.7	1,333.4	1,362.9	1,270.7	1,159.7	952.7	974.6	1,239.3	1,362.9
	2025	1,251.2	1,199.8	979.1	1,069.8	1,226.1	1,337.3	1,346.1	1,376.0	1,282.9	1,170.7	961.7	983.6	1,251.2	1,376.0
	2026	1,263.1	1,211.4	988.6	1,080.4	1,238.3	1,350.7	1,359.6	1,389.8	1,295.7	1,182.5	970.9	993.0	1,263.1	1,389.8
Projected	2027	1,275.4	1,223.0	998.2	1,091.2	1,250.7	1,364.1	1,373.1	1,403.7	1,308.7	1,194.3	980.9	1,003.2	1,275.4	1,403.7
	2028	1,288.7	1,235.5	1,008.5	1,102.7	1,263.9	1,378.6	1,387.7	1,418.7	1,322.6	1,207.0	988.9	1,011.3	1,288.7	1,418.7
	2029	1,299.5	1,245.7	1,016.8	1,112.0	1,274.7	1,390.3	1,399.5	1,430.8	1,333.9	1,217.3	997.5	1,020.1	1,299.5	1,430.8
	2030	1,311.1	1,256.6	1,025.8	1,122.0	1,286.1	1,402.8	1,412.1	1,443.7	1,345.9	1,228.3	1,006.1	1,028.9	1,311.1	1,443.7
	2031	1,322.5	1,267.4	1,034.6	1,131.9	1,297.6	1,415.3	1,424.7	1,456.6	1,357.9	1,239.2	1,015.2	1,038.2	1,322.5	1,456.6
	2032	1,334.8	1,278.9	1,044.1	1,142.5	1,309.8	1,428.6	1,438.1	1,470.4	1,370.7	1,250.9	1,022.7	1,045.9	1,334.8	1,470.4
	2033	1,344.9	1,288.6	1,051.9	1,151.2	1,319.8	1,439.6	1,449.1	1,481.7	1,381.2	1,260.5	1,030.9	1,054.2	1,344.9	1,481.7
	2034	1,355.9	1,298.9	1,060.3	1,160.6	1,330.6	1,451.4	1,461.1	1,494.0	1,392.6	1,270.8	1,039.2	1,062.7	1,355.9	1,494.0
	2035	1,367.0	1,309.4	1,068.8	1,170.2	1,341.7	1,463.5	1,473.2	1,506.4	1,404.2	1,266.8	1,035.8	1,057.1	1,367.0	1,506.4
	2036	1,361.8	1,304.7	1,064.9	1,166.8	1,338.1	1,459.7	1,469.3	1,502.2	1,400.5	1,278.4	1,043.3	1,064.8	1,361.8	1,502.2

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.3%	58.3%	68.7%	58.4%	54.6%
	2016	55.1%	54.5%	61.0%	56.4%	68.7%	63.2%	69.5%	65.6%	66.4%	60.7%	63.1%	68.2%	64.2%	52.7%
Projected	2017	53.5%	54.2%	63.2%	59.9%	67.2%	61.5%	67.9%	65.1%	64.3%	61.5%	63.7%	68.2%	58.7%	53.4%
	2018	53.5%	54.3%	63.2%	59.8%	67.3%	61.4%	67.8%	65.2%	64.3%	61.5%	63.8%	68.3%	58.7%	53.4%
	2019	53.6%	54.3%	63.2%	59.8%	67.3%	61.4%	67.8%	65.2%	64.2%	61.4%	63.8%	68.2%	58.7%	53.4%
	2020	53.5%	52.9%	63.1%	59.7%	67.2%	61.3%	67.7%	65.1%	64.1%	61.3%	63.8%	68.2%	58.6%	53.4%
	2021	53.5%	54.3%	63.1%	59.7%	67.3%	61.3%	67.7%	65.1%	64.2%	61.4%	63.8%	68.2%	58.6%	53.3%
	2022	53.5%	54.3%	63.2%	59.7%	67.3%	61.3%	67.7%	65.1%	64.2%	61.4%	63.8%	68.3%	58.6%	53.3%
	2023	53.5%	54.3%	63.1%	59.7%	67.2%	61.3%	67.7%	65.1%	64.2%	61.4%	63.7%	68.2%	58.6%	53.3%
	2024	53.5%	52.9%	63.1%	59.6%	67.2%	61.3%	67.7%	65.1%	64.1%	61.3%	63.8%	68.3%	58.6%	53.3%
	2025	53.5%	54.3%	63.1%	59.6%	67.2%	61.3%	67.7%	65.1%	64.1%	61.3%	63.8%	68.3%	58.6%	53.3%
	2026	53.5%	54.3%	63.1%	59.6%	67.2%	61.3%	67.7%	65.1%	64.1%	61.3%	63.8%	68.3%	58.6%	53.3%
Avg.	2007-2016	55.6%	56.3%	62.1%	60.4%	70.1%	62.3%	68.1%	66.0%	65.3%	61.6%	60.1%	65.9%	58.6%	53.6%
	2017-2026	53.5%	54.0%	63.2%	59.7%	67.2%	61.3%	67.7%	65.1%	64.2%	61.4%	63.8%	68.3%	58.7%	53.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	1,029.9	1,009.9	853.9	1,128.5	1,194.4
	2016	1,001.8	1,006.1	909.0	1,024.0	1,068.4	1,216.1	1,247.7	1,247.5	1,112.4	1,060.9	806.9	836.9	1,006.1	1,267.7
Projected	2017	1,078.8	1,050.2	840.2	946.7	1,089.1	1,191.0	1,191.9	1,233.3	1,131.2	1,043.5	815.5	848.4	1,078.8	1,233.3
	2018	1,093.8	1,064.8	851.7	959.7	1,104.2	1,207.5	1,208.3	1,250.4	1,146.9	1,058.0	825.3	858.1	1,093.8	1,250.4
	2019	1,106.9	1,077.5	861.4	970.7	1,116.9	1,221.5	1,222.3	1,265.0	1,160.2	1,070.2	834.5	867.9	1,106.9	1,265.0
	2020	1,118.3	1,088.0	869.3	980.0	1,127.9	1,233.8	1,234.5	1,277.7	1,171.7	1,080.7	841.0	874.9	1,118.3	1,277.7
	2021	1,129.6	1,098.8	877.9	989.8	1,139.2	1,246.2	1,246.9	1,290.6	1,183.4	1,091.5	850.1	884.4	1,129.6	1,290.6
	2022	1,142.2	1,110.5	887.2	1,000.5	1,151.5	1,259.8	1,260.5	1,304.7	1,196.3	1,103.4	858.8	893.4	1,142.2	1,304.7
	2023	1,154.0	1,122.4	896.6	1,011.3	1,163.9	1,273.4	1,274.1	1,318.9	1,209.2	1,115.4	868.3	903.2	1,154.0	1,318.9
	2024	1,167.1	1,134.8	906.5	1,022.5	1,176.9	1,287.7	1,288.3	1,333.7	1,222.7	1,127.9	876.6	911.8	1,167.1	1,333.7
	2025	1,178.5	1,145.6	915.0	1,032.3	1,188.1	1,300.1	1,300.7	1,346.6	1,234.5	1,138.7	884.9	920.4	1,178.5	1,346.6
	2026	1,190.0	1,157.0	924.0	1,042.6	1,200.1	1,313.3	1,313.8	1,360.3	1,246.9	1,150.3	893.5	929.4	1,190.0	1,360.3
Projected	2027	1,201.9	1,168.4	933.1	1,053.1	1,212.1	1,326.6	1,327.0	1,374.0	1,259.5	1,161.9	902.8	939.0	1,201.9	1,374.0
	2028	1,214.7	1,180.6	942.8	1,064.3	1,225.0	1,340.8	1,341.2	1,388.8	1,272.9	1,174.3	910.3	946.8	1,214.7	1,388.8
	2029	1,225.1	1,190.7	950.7	1,073.3	1,235.5	1,352.4	1,352.7	1,400.8	1,283.9	1,184.4	918.4	955.2	1,225.1	1,400.8
	2030	1,236.3	1,201.4	959.2	1,083.0	1,246.7	1,364.7	1,365.0	1,413.6	1,295.5	1,195.2	926.3	963.5	1,236.3	1,413.6
	2031	1,247.4	1,212.0	967.6	1,092.6	1,257.8	1,377.0	1,377.2	1,426.3	1,307.1	1,205.9	934.9	972.4	1,247.4	1,426.3
	2032	1,259.2	1,223.4	976.5	1,102.9	1,269.6	1,390.1	1,390.3	1,439.9	1,319.5	1,217.4	941.9	979.7	1,259.2	1,439.9
	2033	1,269.0	1,232.9	983.9	1,111.4	1,279.4	1,400.9	1,401.0	1,451.1	1,329.7	1,226.7	949.5	987.7	1,269.0	1,451.1
	2034	1,279.6	1,243.1	991.9	1,120.5	1,290.0	1,412.5	1,412.7	1,463.3	1,340.7	1,236.9	957.2	995.7	1,279.6	1,463.3
	2035	1,290.4	1,253.4	1,000.0	1,129.8	1,300.7	1,424.4	1,424.5	1,475.6	1,351.9	1,233.4	953.6	990.8	1,290.4	1,475.6
	2036	1,285.2	1,248.7	996.2	1,126.3	1,297.2	1,420.8	1,420.8	1,471.6	1,348.5	1,244.8	960.7	998.2	1,285.2	1,471.6

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.5%	98.1%	96.7%	98.2%	97.2%
	2016	94.4%	96.0%	96.4%	98.4%	95.2%	97.5%	98.2%	99.0%	95.2%	97.2%	91.9%	93.5%	94.8%	98.2%
Projected	2017	94.0%	95.3%	93.4%	96.4%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2018	94.0%	95.3%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2019	94.1%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2020	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2021	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2022	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2023	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2024	94.2%	95.5%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2025	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2026	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2007-2016	95.4%	94.7%	93.6%	95.6%	96.8%	97.0%	96.6%	97.5%	96.0%	97.3%	92.5%	92.6%	96.1%	97.6%
	2017-2026	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%

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), Starke (Sep-35)





Appendix B  
FLORIDA POWER & LIGHT CITIES

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FMPA 2017 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)				
		Year	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
Historical	2007	3,720,003	-	3,687,774	-	-0.9%	588.1	-	646.5	-	9.9%	750.9	-	746.3	-	-0.6%
	2008	3,682,412	-1.0%	3,641,591	-1.3%	-1.1%	670.8	14.1%	689.6	6.7%	2.8%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,504,521	-3.8%	-0.3%	709.9	5.8%	648.9	-5.9%	-8.6%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,920,109	-16.7%	-4.1%	631.0	-11.1%	516.3	-20.4%	-18.2%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,712,828	-7.1%	-3.3%	544.4	-13.7%	547.1	6.0%	0.5%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,728,592	0.6%	0.7%	469.7	-13.7%	482.2	-11.8%	2.7%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,709,186	-0.7%	0.6%	425.0	-9.5%	447.8	-7.2%	5.4%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,291	-11.6%	-1.7%	384.4	-9.5%	434.0	-3.1%	12.9%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,314,553	-3.4%	-2.2%	456.4	18.7%	408.2	-6.0%	-10.6%	444.3	-1.7%	466.8	1.5%	5.1%
		2,436,956	3.0%	2,366,496	2.2%	-2.9%	384.8	-15.7%	423.0	3.6%	9.9%	484.9	9.1%	472.0	1.1%	-2.7%
Projected	2017	2,393,891	-1.8%	2,393,891	1.2%		402.2	4.5%	402.2	-4.9%		465.0	-4.1%	465.0	-1.5%	
	2018			2,416,064	0.9%				406.1	1.0%				469.3	0.9%	
	2019			2,432,935	0.7%				409.3	0.8%				472.5	0.7%	
	2020			2,436,391	0.1%				410.4	0.3%				473.3	0.2%	
	2021			2,444,355	0.3%				412.7	0.6%				475.6	0.5%	
	2022			2,458,038	0.6%				415.2	0.6%				478.1	0.5%	
	2023			2,469,036	0.4%				417.0	0.4%				480.4	0.5%	
	2024			2,479,809	0.4%				419.2	0.5%				482.6	0.5%	
	2025			2,491,082	0.5%				421.4	0.5%				484.6	0.4%	
	2026			2,499,950	0.4%				422.8	0.3%				486.5	0.4%	
	2027			2,509,196	0.4%				424.6	0.4%				488.3	0.4%	
	2028			2,518,351	0.4%				426.4	0.4%				490.1	0.4%	
	2029			2,527,094	0.3%				428.0	0.4%				491.9	0.4%	
	2030			2,535,645	0.3%				429.7	0.4%				493.6	0.3%	
	2031			2,543,999	0.3%				431.4	0.4%				495.4	0.3%	
	2032			2,552,631	0.3%				433.2	0.4%				497.1	0.4%	
	2033			2,560,831	0.3%				434.8	0.4%				498.8	0.3%	
	2034			2,569,153	0.3%				436.5	0.4%				500.5	0.3%	
	2035			2,577,366	0.3%				438.2	0.4%				502.2	0.3%	
	2036			2,502,690	-2.9%				422.9	-3.5%				486.3	-3.2%	
CAGR <sup>[3]</sup>	2007-2016		-4.6%		-4.8%			-4.6%		-4.6%			-4.7%		-5.0%	
	2017-2026				0.5%					0.6%					0.5%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Base Case**  
**FP&L Cities - Supplied**  
**2017 v. 2016 (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	2007	3,720,003	-	3,720,003	-	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%	2,366,430	-2.9%	476.8	478.3	476.8	478.3	456.4	444.3	456.4	450.7
	2016	2,436,956	3.0%	2,385,190	0.8%	437.5	501.8	462.0	481.0	384.8	484.9	416.7	460.4
Projected	2017	2,393,891	-1.8%	2,414,733	1.2%	461.9	484.3	467.1	486.3	402.2	465.0	421.3	465.5
	2018	2,416,064	0.9%	2,433,412	0.8%	466.4	488.8	471.0	490.1	406.1	469.3	425.0	469.2
	2019	2,432,935	0.7%	2,453,277	0.8%	469.9	492.1	475.1	494.2	409.3	472.5	428.7	473.1
	2020	2,436,391	0.1%	2,463,943	0.4%	470.8	493.0	477.0	496.5	410.4	473.3	430.5	475.2
	2021	2,444,355	0.3%	2,479,490	0.6%	473.3	495.5	480.6	500.2	412.7	475.6	433.8	478.8
	2022	2,458,038	0.6%	2,497,279	0.7%	475.8	498.0	484.0	503.7	415.2	478.1	436.9	482.2
	2023	2,469,036	0.4%	2,513,717	0.7%	478.3	500.4	487.2	507.0	417.0	480.4	439.8	485.3
	2024	2,479,809	0.4%	2,529,689	0.6%	480.6	502.7	490.4	510.2	419.2	482.6	442.7	488.4
	2025	2,491,082	0.5%	2,545,121	0.6%	482.8	504.8	493.4	513.3	421.4	484.6	445.4	491.3
	2026	2,499,950	0.4%	2,560,721	0.6%	484.8	506.8	496.5	516.4	422.8	486.5	448.2	494.4
	2027	2,509,196	0.4%	2,576,688	0.6%	486.8	508.8	499.6	519.7	424.6	488.3	451.0	497.5
	2028	2,518,351	0.4%	2,593,065	0.6%	488.7	510.7	502.8	522.9	426.4	490.1	453.9	500.6
	2029	2,527,094	0.3%	2,608,813	0.6%	490.6	512.5	506.0	526.1	428.0	491.9	456.7	503.6
	2030	2,535,645	0.3%	2,623,878	0.6%	492.5	514.3	508.9	529.1	429.7	493.6	459.4	506.5
	2031	2,543,999	0.3%	2,637,932	0.5%	494.4	516.1	511.8	531.9	431.4	495.4	462.1	509.2
	2032	2,552,631	0.3%	2,652,328	0.5%	496.3	518.0	514.7	534.9	433.2	497.1	464.8	512.1
	2033	2,560,831	0.3%	2,666,533	0.5%	498.2	519.8	517.7	537.8	434.8	498.8	467.5	514.9
	2034	2,569,153	0.3%	2,680,933	0.5%	500.1	521.5	520.7	540.7	436.5	500.5	470.3	517.7
	2035	2,577,366	0.3%	2,695,137	0.5%	501.9	523.3	523.6	543.7	438.2	502.2	473.0	520.5
	2036	2,502,690	-2.9%			487.5	507.7			422.9	486.3		
CAGR <sup>[1]</sup>	Historical		-4.6%		-5.5%	-5.1%	-4.6%	-4.7%	-5.8%	-6.7%	-4.8%	-5.4%	-6.5%
	1st 10 Prj Yrs		0.5%		0.7%	0.5%	0.5%	0.7%	0.7%	0.6%	0.5%	0.7%	0.7%
	2nd 10 Prj Yrs		0.0%		0.6%	0.0%	0.0%	0.6%	0.6%	0.0%	0.0%	0.6%	0.6%

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), Starke (Sep-35)

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

**FP&L Cities - Supplied**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	198,016	185,657	180,873	2,413,205	2,366,430
	2016	176,709	160,492	176,455	177,928	209,878	234,796	261,639	250,374	224,138	202,377	170,711	173,948	2,419,445	2,436,956
Projected	2017	183,805	165,256	171,349	179,108	204,555	227,177	246,372	246,486	222,746	202,370	173,147	176,548	2,398,920	2,393,891
	2018	186,319	167,243	173,032	180,826	206,391	229,055	248,367	248,406	224,360	204,019	174,552	177,980	2,420,551	2,416,064
	2019	187,807	168,443	174,204	181,985	207,742	230,519	249,885	249,955	225,844	205,133	175,544	179,014	2,436,074	2,432,935
	2020	187,918	168,660	173,994	181,858	207,713	230,612	249,998	250,056	225,893	205,028	175,310	178,760	2,435,800	2,436,391
	2021	188,802	169,282	174,753	182,655	208,654	231,691	251,184	251,254	226,983	206,237	176,375	179,851	2,447,721	2,444,355
	2022	189,960	170,307	175,676	183,611	209,771	232,946	252,521	252,588	228,194	207,085	177,087	180,558	2,460,304	2,458,038
	2023	190,734	170,979	176,497	184,458	210,757	234,064	253,738	253,800	229,279	208,035	177,897	181,379	2,471,616	2,469,036
	2024	191,638	171,910	177,213	185,197	211,619	235,043	254,802	254,855	230,222	209,071	178,797	182,285	2,482,652	2,479,809
	2025	192,614	172,611	177,985	185,987	212,548	236,087	255,914	255,961	231,222	209,738	179,356	182,838	2,492,862	2,491,082
	2026	193,237	173,147	178,641	186,664	213,344	236,998	256,913	256,958	232,116	210,519	180,021	183,514	2,502,071	2,499,950
Projected	2027	193,990	173,791	179,278	187,319	214,113	237,878	257,875	257,920	232,979	211,274	180,666	184,172	2,511,254	2,509,196
	2028	194,728	174,578	179,890	187,950	214,857	238,734	258,816	258,862	233,824	212,009	181,293	184,808	2,520,349	2,518,351
	2029	195,443	175,033	180,510	188,585	215,604	239,593	259,754	259,799	234,662	212,735	181,911	185,436	2,529,065	2,527,094
	2030	196,151	175,634	181,092	189,182	216,309	240,405	260,645	260,689	235,456	213,421	182,494	186,023	2,537,501	2,535,645
	2031	196,823	176,207	181,658	189,764	217,004	241,215	261,538	261,587	236,265	214,125	183,099	186,642	2,545,926	2,543,999
	2032	197,526	176,954	182,234	190,356	217,706	242,027	262,428	262,476	237,059	214,809	183,681	187,229	2,554,485	2,552,631
	2033	198,198	177,368	182,808	190,945	218,406	242,838	263,321	263,369	237,858	215,496	184,269	187,826	2,562,704	2,560,831
	2034	198,888	177,952	183,365	191,518	219,092	243,638	264,203	264,254	238,650	216,178	184,852	188,416	2,571,008	2,569,153
	2035	199,568	178,525	183,919	192,086	219,771	244,427	265,071	265,124	239,428	210,260	179,388	182,461	2,560,027	2,577,366
	2036	193,486	173,522	178,435	186,666	213,319	237,454	257,514	257,637	232,549	210,889	179,923	183,002	2,504,396	2,502,690

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.2%	6.6%	7.4%	7.9%	8.9%	9.5%	10.1%	9.9%	9.1%	8.2%	7.7%	7.5%	100.0%
	2016	7.3%	6.6%	7.3%	7.4%	8.7%	9.7%	10.8%	10.3%	9.3%	8.4%	7.1%	7.2%	100.0%
Projected	2017	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2018	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2019	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2020	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2021	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2022	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2023	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2024	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2025	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2026	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.2%	10.3%	9.3%	8.4%	7.0%	7.3%	100.0%
	2017-2026	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	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), Starke (Sep-35)

**FMPA 2017 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	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	408.9	401.6	358.8	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	422.2	371.9	365.0	437.5	501.8
Projected	2017	454.3	461.9	363.2	383.9	435.1	472.3	484.3	483.9	454.2	414.6	372.4	368.5	461.9	484.3
	2018	458.6	466.4	366.5	387.3	439.0	476.7	488.8	488.4	458.4	418.3	375.5	371.1	466.4	488.8
	2019	462.0	469.9	368.9	389.8	442.0	479.9	492.1	491.7	461.4	421.0	377.4	373.3	469.9	492.1
	2020	463.3	470.8	369.1	390.1	442.6	480.7	493.0	492.5	462.1	421.5	377.7	373.7	470.8	493.0
	2021	465.8	473.3	370.9	392.0	444.7	483.0	495.5	495.0	464.4	423.6	379.7	375.9	473.3	495.5
	2022	468.5	475.8	372.7	393.9	447.0	485.5	498.0	497.5	466.8	425.7	381.4	377.4	475.8	498.0
	2023	470.5	478.3	374.5	395.8	449.1	487.8	500.4	499.9	469.0	427.7	383.3	379.3	478.3	500.4
	2024	472.9	480.6	376.1	397.5	451.1	490.0	502.7	502.1	471.1	429.6	385.0	381.1	480.6	502.7
	2025	475.2	482.8	377.6	399.1	453.0	492.0	504.8	504.2	473.1	431.3	386.3	382.3	482.8	504.8
Projected	2026	476.8	484.8	379.1	400.6	454.7	493.9	506.8	506.2	474.9	433.0	387.7	383.8	484.8	506.8
	2027	478.7	486.8	380.4	402.1	456.4	495.8	508.8	508.1	476.7	434.6	389.2	385.3	486.8	508.8
	2028	480.6	488.7	381.8	403.5	458.1	497.6	510.7	509.9	478.5	436.1	390.5	386.6	488.7	510.7
	2029	482.4	490.6	383.1	404.9	459.7	499.4	512.5	511.8	480.2	437.6	391.9	388.0	490.6	512.5
	2030	484.2	492.5	384.4	406.3	461.3	501.1	514.3	513.5	481.8	439.1	393.2	389.4	492.5	514.3
	2031	486.0	494.4	385.7	407.6	462.9	502.8	516.1	515.3	483.5	440.6	394.6	390.8	494.4	516.1
	2032	487.8	496.3	387.0	409.0	464.5	504.6	518.0	517.1	485.1	442.1	395.9	392.2	496.3	518.0
	2033	489.6	498.2	388.2	410.3	466.0	506.3	519.8	518.9	486.8	443.5	397.3	393.6	498.2	519.8
	2034	491.4	500.1	389.5	411.6	467.6	508.0	521.5	520.6	488.4	445.0	398.6	394.9	500.1	521.5
Projected	2035	493.2	501.9	390.7	412.9	469.1	509.6	523.3	522.4	490.0	431.8	387.4	381.4	501.9	523.3
	2036	477.6	487.5	378.6	400.3	454.9	494.2	507.7	506.1	475.1	433.1	388.5	382.5	487.5	507.7

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	65.1%	62.1%	70.0%	57.8%	57.6%
Projected	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	64.4%	61.7%	66.2%	63.1%	55.0%
	2017	54.4%	53.2%	63.4%	62.7%	70.0%	64.6%	70.6%	68.5%	68.1%	65.6%	62.5%	66.5%	59.3%	56.5%
	2018	54.6%	53.4%	63.4%	62.8%	70.0%	64.6%	70.6%	68.4%	68.0%	65.6%	62.5%	66.6%	59.2%	56.5%
	2019	54.6%	53.3%	63.5%	62.8%	69.9%	64.6%	70.5%	68.3%	68.0%	65.5%	62.5%	66.6%	59.2%	56.5%
	2020	54.5%	51.5%	63.4%	62.7%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	59.1%	56.4%
	2021	54.5%	53.2%	63.3%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	59.0%	56.4%
	2022	54.5%	53.3%	63.4%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	59.0%	56.4%
	2023	54.5%	53.2%	63.3%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	59.0%	56.4%
	2024	54.5%	51.4%	63.3%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	59.0%	56.4%
Projected	2025	54.5%	53.2%	63.3%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	58.9%	56.4%
	2026	54.5%	53.1%	63.3%	62.6%	69.8%	64.5%	70.4%	68.2%	67.9%	65.4%	62.4%	66.4%	58.9%	56.4%
Avg.	2007-2016	55.7%	56.4%	62.6%	62.9%	73.1%	65.0%	70.7%	69.1%	67.8%	64.7%	60.1%	65.7%	58.8%	56.1%
	2017-2026	54.5%	52.9%	63.4%	62.7%	69.9%	64.5%	70.5%	68.3%	67.9%	65.4%	62.4%	66.5%	59.1%	56.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	397.9	390.9	340.3	456.4	444.3
	2016	383.2	384.8	358.7	388.2	394.5	457.4	484.9	474.4	425.5	402.0	325.9	328.7	384.8	484.9
Projected	2017	402.2	415.1	331.3	363.0	417.1	447.2	459.6	465.0	428.5	394.7	326.5	331.8	402.2	465.0
	2018	406.1	419.2	334.3	366.3	420.9	451.4	463.9	469.3	432.5	398.3	329.3	334.2	406.1	469.3
	2019	409.3	422.6	336.6	368.6	423.7	454.4	467.0	472.5	435.4	400.9	331.1	336.3	409.3	472.5
	2020	410.4	423.4	336.6	368.8	424.2	455.1	467.8	473.3	436.0	401.2	331.1	336.5	410.4	473.3
	2021	412.7	425.7	338.2	370.6	426.3	457.3	470.2	475.6	438.1	403.2	332.9	338.5	412.7	475.6
	2022	415.2	428.0	339.9	372.4	428.4	459.6	472.6	478.1	440.3	405.2	334.3	339.9	415.2	478.1
	2023	417.0	430.3	341.6	374.2	430.5	461.8	474.9	480.4	442.5	407.1	336.1	341.6	417.0	480.4
	2024	419.2	432.4	343.1	375.8	432.4	463.9	477.1	482.6	444.4	408.9	337.6	343.3	419.2	482.6
	2025	421.4	434.5	344.5	377.3	434.2	465.8	479.1	484.6	446.3	410.6	338.7	344.4	421.4	484.6
	2026	422.8	436.4	345.8	378.7	435.9	467.6	481.0	486.5	448.0	412.1	340.0	345.7	422.8	486.5
Projected	2027	424.6	438.2	347.1	380.1	437.5	469.4	482.9	488.3	449.7	413.6	341.3	347.1	424.6	488.3
	2028	426.4	440.1	348.4	381.4	439.1	471.1	484.7	490.1	451.4	415.1	342.5	348.4	426.4	490.1
	2029	428.0	441.9	349.6	382.7	440.7	472.8	486.5	491.9	453.0	416.6	343.8	349.7	428.0	491.9
	2030	429.7	443.6	350.8	384.0	442.2	474.4	488.2	493.6	454.5	418.0	344.9	351.0	429.7	493.6
	2031	431.4	445.4	352.0	385.3	443.7	476.1	489.9	495.4	456.1	419.3	346.2	352.3	431.4	495.4
	2032	433.2	447.2	353.2	386.5	445.2	477.7	491.7	497.1	457.7	420.8	347.3	353.5	433.2	497.1
	2033	434.8	449.0	354.3	387.8	446.7	479.3	493.4	498.8	459.2	422.1	348.6	354.8	434.8	498.8
	2034	436.5	450.8	355.5	389.0	448.2	480.9	495.1	500.5	460.7	423.5	349.7	356.1	436.5	500.5
	2035	438.2	452.6	356.7	390.2	449.7	482.5	496.8	502.2	462.3	411.0	338.8	343.6	438.2	502.2
	2036	422.9	438.3	345.1	377.6	435.8	467.4	481.8	486.3	447.9	412.2	339.9	344.7	422.9	486.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	88.7%	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%	97.3%	97.3%	94.8%	95.7%	92.9%
	2016	87.6%	90.3%	94.6%	97.0%	91.4%	95.0%	96.6%	97.9%	93.8%	95.2%	87.6%	90.0%	87.9%	96.6%
Projected	2017	88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%
	2018	88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.1%	96.0%
	2019	88.6%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.1%	96.0%
	2020	88.6%	89.9%	91.2%	94.5%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2021	88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2022	88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2023	88.6%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
	2024	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
	2025	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2026	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
2007-2016		91.2%	89.4%	91.4%	94.1%	95.5%	95.1%	95.5%	96.2%	94.3%	95.9%	90.5%	89.0%	92.3%	96.2%
2017-2026		88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%

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), Starke (Sep-35)





Appendix C  
DUKE ENERGY FLORIDA CITIES

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FMPA 2017 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)				
		Year		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)
Historical	2007	2,035,888	-	2,049,434	-	0.7%	364.2	-	395.9	-	8.7%	449.2	-	438.6	-	-2.4%
	2008	1,960,379	-3.7%	1,969,052	-3.9%	0.4%	395.4	8.6%	390.6	-1.3%	-1.2%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,553	-1.8%	-0.3%	432.9	9.5%	414.0	6.0%	-4.4%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,064	-2.1%	-5.1%	466.6	7.8%	406.9	-1.7%	-12.8%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,901	-2.3%	-4.2%	416.1	-10.8%	415.6	2.1%	-0.1%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,963	-1.5%	0.0%	381.2	-8.4%	369.9	-11.0%	-3.0%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,625	0.2%	-0.2%	342.2	-10.2%	361.8	-2.2%	5.7%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,926	0.9%	-0.6%	371.1	8.5%	401.7	11.0%	8.2%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,891	0.6%	-2.6%	407.6	9.8%	415.3	3.4%	1.9%	419.6	3.3%	443.8	7.9%	5.8%
	2016	1,959,340	3.0%	1,890,751	2.0%	-3.5%	370.4	-9.1%	400.6	-3.5%	8.2%	429.1	2.3%	422.6	-4.8%	-1.5%
Projected	2017	1,940,832	-0.9%	1,940,832	2.6%		400.7	8.2%	400.7	0.0%		422.1	-1.6%	422.1	-0.1%	
	2018			1,965,990	1.3%				406.7	1.5%				428.5	1.5%	
	2019			1,991,748	1.3%				411.6	1.2%				433.7	1.2%	
	2020			2,015,029	1.2%				416.5	1.2%				438.8	1.2%	
	2021			2,036,351	1.1%				420.8	1.0%				443.4	1.1%	
	2022			2,058,329	1.1%				425.3	1.1%				448.2	1.1%	
	2023			2,080,094	1.1%				429.8	1.0%				452.9	1.1%	
	2024			2,103,022	1.1%				434.5	1.1%				457.9	1.1%	
	2025			2,122,920	0.9%				438.5	0.9%				462.2	0.9%	
	2026			2,143,786	1.0%				442.8	1.0%				466.8	1.0%	
	2027			2,164,540	1.0%				447.1	1.0%				471.3	1.0%	
	2028			2,186,428	1.0%				451.5	1.0%				476.0	1.0%	
	2029			2,205,333	0.9%				455.4	0.9%				480.1	0.9%	
	2030			2,225,387	0.9%				459.5	0.9%				484.5	0.9%	
	2031			2,245,148	0.9%				463.6	0.9%				488.8	0.9%	
	2032			2,265,962	0.9%				467.8	0.9%				493.3	0.9%	
	2033			2,283,556	0.8%				471.5	0.8%				497.1	0.8%	
	2034			2,302,311	0.8%				475.3	0.8%				501.2	0.8%	
2035			2,321,064	0.8%				479.2	0.8%				505.3	0.8%		
2036			2,341,549	0.9%				483.4	0.9%				509.8	0.9%		
CAGR <sup>[3]</sup>	2007-2016		-0.4%		-0.9%			0.2%		0.1%			-0.5%		-0.4%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**2017 v. 2016 (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	2007	2,035,888	-	2,035,888	-	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%	1,902,497	2.6%	408.2	423.0	408.2	423.0	407.6	419.6	407.6	419.6
	2016	1,959,340	3.0%	1,884,661	-0.9%	379.5	435.7	396.1	415.8	370.4	429.1	395.0	409.2
Projected	2017	1,940,832	-0.9%	1,909,853	1.3%	404.8	428.9	401.8	421.8	400.7	422.1	400.7	415.2
	2018	1,965,990	1.3%	1,937,045	1.4%	410.9	435.4	407.4	427.8	406.7	428.5	406.3	421.1
	2019	1,991,748	1.3%	1,963,205	1.4%	415.8	440.7	412.8	433.4	411.6	433.7	411.6	426.6
	2020	2,015,029	1.2%	1,988,982	1.3%	420.6	445.9	418.1	439.1	416.5	438.8	417.0	432.2
	2021	2,036,351	1.1%	2,011,930	1.2%	424.9	450.6	422.9	444.1	420.8	443.4	421.7	437.1
	2022	2,058,329	1.1%	2,035,473	1.2%	429.5	455.4	427.8	449.2	425.3	448.2	426.6	442.2
	2023	2,080,094	1.1%	2,058,806	1.1%	434.0	460.2	432.6	454.4	429.8	452.9	431.4	447.3
	2024	2,103,022	1.1%	2,083,360	1.2%	438.7	465.2	437.7	459.8	434.5	457.9	436.5	452.6
	2025	2,122,920	0.9%	2,105,055	1.0%	442.8	469.6	442.3	464.5	438.5	462.2	441.0	457.3
	2026	2,143,786	1.0%	2,127,904	1.1%	447.1	474.2	447.0	469.6	442.8	466.8	445.8	462.3
	2027	2,164,540	1.0%	2,150,868	1.1%	451.4	478.7	451.8	474.6	447.1	471.3	450.6	467.2
	2028	2,186,428	1.0%	2,175,069	1.1%	455.9	483.6	456.9	479.9	451.5	476.0	455.6	472.5
	2029	2,205,333	0.9%	2,196,123	1.0%	459.8	487.7	461.2	484.5	455.4	480.1	460.0	477.0
	2030	2,225,387	0.9%	2,218,148	1.0%	464.0	492.1	465.8	489.4	459.5	484.5	464.5	481.8
	2031	2,245,148	0.9%	2,239,577	1.0%	468.1	496.5	470.3	494.0	463.6	488.8	468.9	486.4
	2032	2,265,962	0.9%	2,262,002	1.0%	472.4	501.1	474.9	499.0	467.8	493.3	473.6	491.3
	2033	2,283,556	0.8%	2,281,272	0.9%	476.0	504.9	478.9	503.2	471.5	497.1	477.6	495.4
	2034	2,302,311	0.8%	2,301,747	0.9%	479.9	509.1	483.2	507.7	475.3	501.2	481.9	499.9
	2035	2,321,064	0.8%	2,322,199	0.9%	483.8	513.2	487.5	512.2	479.2	505.3	486.1	504.3
	2036	2,341,549	0.9%			488.0	517.7			483.4	509.8		
CAGR <sup>[1]</sup>	Historical		-0.4%		-0.8%	0.4%	-0.4%	1.3%	-0.8%	-0.8%	0.3%	0.4%	-0.2%
	1st 10 Prj Yrs		1.1%		1.2%	1.1%	1.1%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
	2nd 10 Prj Yrs		0.9%		1.0%	0.9%	0.9%	1.0%	1.0%	0.9%	0.9%	1.0%	1.0%

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), Starke (Sep-35)

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	152,030	142,943	140,517	1,916,589	1,902,497
	2016	149,700	135,337	138,366	142,125	169,913	194,799	209,266	201,242	183,103	160,477	135,522	151,294	1,971,143	1,959,340
Projected	2017	155,123	133,805	141,324	145,088	166,283	184,629	192,651	198,950	175,687	156,978	139,368	153,361	1,943,246	1,940,832
	2018	157,512	136,311	143,299	146,354	169,611	186,861	195,420	202,708	178,208	159,495	141,630	155,465	1,972,873	1,965,990
	2019	159,712	138,343	145,041	148,220	171,865	189,023	197,789	205,067	180,099	161,265	143,227	157,110	1,996,762	1,991,748
	2020	161,446	141,226	146,598	149,872	173,752	191,074	199,982	207,357	182,119	163,108	144,865	158,886	2,020,286	2,015,029
	2021	163,265	141,444	148,254	151,580	175,715	193,217	202,218	209,663	184,136	164,919	146,470	160,630	2,041,511	2,036,351
	2022	165,032	142,962	149,853	153,223	177,607	195,283	204,368	211,891	186,090	166,679	148,042	162,340	2,063,371	2,058,329
	2023	166,759	144,471	151,447	154,862	179,495	197,343	206,510	214,111	188,035	168,431	149,606	164,036	2,085,105	2,080,094
	2024	168,470	147,375	153,019	156,478	181,357	199,373	208,622	216,301	189,954	170,158	151,148	165,712	2,107,968	2,103,022
	2025	170,159	147,448	154,586	158,087	183,208	201,389	210,714	218,465	191,846	171,859	152,666	167,354	2,127,779	2,122,920
Projected	2026	171,810	148,887	156,110	159,656	185,016	203,359	212,763	220,593	193,714	173,544	154,174	168,993	2,148,618	2,143,786
	2027	173,461	150,328	157,631	161,219	186,816	205,318	214,798	222,700	195,559	175,205	155,657	170,602	2,169,294	2,164,540
	2028	175,081	153,205	159,124	162,755	188,584	207,247	216,803	224,781	197,383	176,850	157,129	172,201	2,191,143	2,186,428
	2029	176,690	153,157	160,620	164,294	190,355	209,175	218,806	226,856	199,200	178,485	158,589	173,784	2,210,011	2,205,333
	2030	178,283	154,545	162,087	165,802	192,091	211,067	220,772	228,895	200,987	180,095	160,029	175,346	2,229,999	2,225,387
	2031	179,854	155,918	163,537	167,291	193,803	212,930	222,707	230,899	202,738	181,671	161,438	176,871	2,249,658	2,245,148
	2032	181,386	158,767	164,950	168,743	195,473	214,750	224,598	232,861	204,455	183,219	162,824	178,375	2,270,400	2,265,962
	2033	182,894	158,586	166,356	170,188	197,132	216,555	226,471	234,801	206,153	184,749	164,193	179,855	2,287,935	2,283,556
	2034	184,380	159,883	167,729	171,600	198,757	218,324	228,309	236,708	207,824	186,257	165,546	181,321	2,306,637	2,302,311
	2035	185,853	161,177	169,101	173,015	200,387	220,102	230,160	238,632	209,513	187,783	166,916	182,810	2,325,450	2,321,064
	2036	187,350	164,038	170,486	174,442	202,029	221,894	232,024	240,567	211,209	189,314	168,287	184,299	2,345,939	2,341,549

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.6%	6.9%	7.0%	7.2%	8.6%	9.9%	10.6%	10.2%	9.3%	8.1%	6.9%	7.7%	100.0%
Projected	2017	8.0%	6.9%	7.3%	7.5%	8.6%	9.5%	9.9%	10.2%	9.0%	8.1%	7.2%	7.9%	100.0%
	2018	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2019	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2020	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2021	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2022	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2023	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2024	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2025	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
Avg.	2007-2016	8.0%	7.0%	7.2%	7.5%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.5%	100.0%
	2017-2026	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	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), Starke (Sep-35)

**FMPA 2017 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	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	343.8	346.5	281.3	408.2	423.0
	2016	379.5	370.8	302.9	347.8	380.5	422.9	435.7	426.9	390.5	364.8	281.0	317.2	379.5	435.7
Projected	2017	404.8	373.7	303.2	327.0	380.6	419.3	411.2	428.9	397.2	359.3	285.2	321.9	404.8	428.9
	2018	410.9	379.3	307.9	332.0	386.4	425.7	417.4	435.4	403.2	364.8	288.6	325.8	410.9	435.4
	2019	415.8	383.9	311.6	336.0	391.1	430.8	422.5	440.7	408.1	369.2	292.0	329.6	415.8	440.7
	2020	420.6	388.4	315.3	339.9	395.7	435.9	427.5	445.9	412.9	373.5	295.1	333.1	420.6	445.9
	2021	424.9	392.5	318.6	343.5	399.9	440.5	432.0	450.6	417.2	377.5	298.3	336.7	424.9	450.6
	2022	429.5	396.7	322.0	347.2	404.1	445.2	436.6	455.4	421.7	381.5	301.4	340.2	429.5	455.4
	2023	434.0	400.8	325.4	350.8	408.4	449.9	441.2	460.2	426.1	385.5	304.7	343.9	434.0	460.2
	2024	438.7	405.2	328.9	354.7	412.9	454.8	446.0	465.2	430.8	389.7	307.5	347.2	438.7	465.2
	2025	442.8	409.0	332.0	358.0	416.7	459.1	450.2	469.6	434.9	393.4	310.6	350.6	442.8	469.6
Projected	2026	447.1	413.0	335.2	361.5	420.8	463.6	454.6	474.2	439.1	397.2	313.5	353.9	447.1	474.2
	2027	451.4	417.0	338.4	365.0	424.8	468.0	459.0	478.7	443.3	401.0	316.7	357.5	451.4	478.7
	2028	455.9	421.2	341.9	368.7	429.1	472.7	463.6	483.6	447.8	405.1	319.4	360.5	455.9	483.6
	2029	459.8	424.8	344.8	371.8	432.8	476.8	467.6	487.7	451.6	408.6	322.3	363.8	459.8	487.7
	2030	464.0	428.6	347.9	375.2	436.7	481.1	471.8	492.1	455.7	412.2	325.1	367.0	464.0	492.1
	2031	468.1	432.4	350.9	378.5	440.6	485.3	476.0	496.5	459.7	415.9	328.1	370.4	468.1	496.5
	2032	472.4	436.4	354.2	382.0	444.6	489.8	480.4	501.1	464.0	419.7	330.6	373.2	472.4	501.1
	2033	476.0	439.7	356.9	384.9	448.1	493.6	484.1	504.9	467.6	422.9	333.3	376.3	476.0	504.9
	2034	479.9	443.3	359.8	388.1	451.7	497.6	488.0	509.1	471.4	426.4	336.1	379.4	479.9	509.1
Projected	2035	483.8	446.9	362.7	391.2	455.4	501.7	492.0	513.2	475.2	429.9	339.0	382.7	483.8	513.2
	2036	488.0	450.8	365.9	394.7	459.4	506.1	496.4	517.7	479.4	433.7	341.5	385.6	488.0	517.7

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	59.4%	55.4%	69.4%	53.6%	51.7%
Projected	2016	53.0%	52.4%	61.4%	54.9%	66.5%	61.9%	66.7%	63.4%	65.1%	59.1%	64.8%	66.3%	59.3%	51.6%
	2017	51.5%	53.3%	62.6%	59.6%	65.0%	59.2%	65.1%	62.3%	61.4%	58.7%	65.7%	66.2%	54.8%	51.7%
	2018	51.5%	53.5%	62.6%	59.3%	65.3%	59.0%	65.0%	62.6%	61.4%	58.8%	66.0%	66.3%	54.8%	51.7%
	2019	51.6%	53.6%	62.6%	59.3%	65.4%	59.0%	65.0%	62.5%	61.3%	58.7%	65.9%	66.2%	54.8%	51.7%
	2020	51.6%	52.2%	62.5%	59.3%	65.3%	58.9%	65.0%	62.5%	61.3%	58.7%	66.0%	66.2%	54.8%	51.7%
	2021	51.6%	53.6%	62.5%	59.3%	65.4%	59.0%	65.0%	62.5%	61.3%	58.7%	66.0%	66.3%	54.8%	51.7%
	2022	51.6%	53.6%	62.6%	59.3%	65.4%	59.0%	65.0%	62.5%	61.3%	58.7%	66.0%	66.3%	54.8%	51.7%
	2023	51.6%	53.6%	62.6%	59.3%	65.4%	59.0%	65.0%	62.5%	61.3%	58.7%	66.0%	66.2%	54.8%	51.7%
	2024	51.6%	52.3%	62.5%	59.3%	65.4%	58.9%	65.0%	62.5%	61.2%	58.7%	66.1%	66.3%	54.9%	51.7%
Avg.	2007-2016	53.9%	54.2%	61.8%	59.2%	67.9%	59.8%	65.2%	63.1%	63.1%	59.4%	60.9%	64.7%	55.3%	51.9%
	2017-2026	51.6%	53.3%	62.6%	59.3%	65.3%	59.0%	65.0%	62.5%	61.3%	58.7%	66.0%	66.3%	54.8%	51.7%

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), Starke (Sep-35)

**FMPA 2017 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	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	342.3	343.2	273.8	407.6	419.6
	2016	376.2	370.4	302.5	347.5	371.8	415.8	429.1	424.4	378.1	358.1	275.8	305.5	370.4	429.1
Projected	2017	400.7	371.5	286.9	319.1	370.5	410.6	401.9	422.1	388.8	352.7	279.9	310.1	400.7	422.1
	2018	406.7	377.1	291.3	324.0	376.1	416.8	408.0	428.5	394.7	358.1	283.3	313.8	406.7	428.5
	2019	411.6	381.7	294.8	327.9	380.7	421.8	413.0	433.7	399.5	362.4	286.6	317.5	411.6	433.7
	2020	416.5	386.2	298.3	331.8	385.2	426.8	417.8	438.8	404.2	366.7	289.7	320.9	416.5	438.8
	2021	420.8	390.2	301.4	335.3	389.2	431.3	422.2	443.4	408.4	370.5	292.8	324.3	420.8	443.4
	2022	425.3	394.4	304.6	338.9	393.4	435.9	426.7	448.2	412.8	374.5	295.9	327.7	425.3	448.2
	2023	429.8	398.5	307.8	342.4	397.5	440.5	431.2	452.9	417.1	378.4	299.1	331.3	429.8	452.9
	2024	434.5	402.9	311.2	346.2	401.9	445.3	436.0	457.9	421.7	382.6	301.9	334.4	434.5	457.9
	2025	438.5	406.7	314.1	349.4	405.6	449.5	440.1	462.2	425.7	386.2	304.9	337.7	438.5	462.2
	2026	442.8	410.6	317.2	352.9	409.6	453.9	444.4	466.8	429.9	390.0	307.8	341.0	442.8	466.8
Projected	2027	447.1	414.6	320.2	356.2	413.5	458.3	448.7	471.3	434.0	393.7	310.9	344.4	447.1	471.3
	2028	451.5	418.7	323.5	359.8	417.7	462.9	453.2	476.0	438.4	397.7	313.6	347.3	451.5	476.0
	2029	455.4	422.3	326.2	362.9	421.3	466.9	457.1	480.1	442.2	401.1	316.4	350.5	455.4	480.1
	2030	459.5	426.2	329.2	366.2	425.1	471.2	461.2	484.5	446.2	404.7	319.2	353.6	459.5	484.5
	2031	463.6	429.9	332.1	369.4	428.9	475.3	465.3	488.8	450.1	408.3	322.2	356.9	463.6	488.8
	2032	467.8	433.9	335.1	372.9	432.8	479.7	469.6	493.3	454.2	412.1	324.7	359.6	467.8	493.3
	2033	471.5	437.2	337.7	375.7	436.2	483.5	473.3	497.1	457.8	415.2	327.3	362.6	471.5	497.1
	2034	475.3	440.8	340.4	378.8	439.7	487.4	477.1	501.2	461.5	418.6	330.0	365.5	475.3	501.2
	2035	479.2	444.4	343.2	381.9	443.3	491.4	481.0	505.3	465.3	422.0	332.9	368.8	479.2	505.3
	2036	483.4	448.3	346.2	385.3	447.2	495.7	485.3	509.8	469.4	425.8	335.4	371.5	483.4	509.8

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.6%	99.0%	97.3%	99.8%	99.2%
	2016	99.1%	99.9%	99.9%	99.9%	97.7%	98.3%	98.5%	99.4%	96.8%	98.2%	98.2%	96.3%	97.6%	98.5%
Projected	2017	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2018	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2019	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2020	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2021	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2022	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2023	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2024	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2025	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
2007-2016		99.4%	99.3%	95.0%	97.7%	97.3%	98.1%	97.5%	98.5%	98.0%	98.2%	93.4%	95.2%	98.8%	98.2%
2017-2026		99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	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), Starke (Sep-35)





## Appendix D

### ARP MEMBER FORECASTS

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FMPA 2017 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	2007	24,619	-	24,748	-	0.5%	5.5	-	5.9	-	6.8%	5.2	-	5.1		-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	24,927	2.8%	24,351	2.3%	-2.3%	5.7	-15.1%	5.9	-19.0%	3.1%	5.6	-0.4%	5.2	-4.3%	-6.8%
	2017	24,874	-0.2%	24,874	2.1%		6.3	11.8%	6.3	8.4%		5.4	-4.0%	5.4	3.0%	
	2018			25,031	0.6%				6.4	0.9%				5.4	0.9%	
	2019			25,181	0.6%				6.4	0.6%				5.4	0.6%	
	2020			25,314	0.5%				6.5	0.5%				5.5	0.5%	
	2021			25,455	0.6%				6.5	0.6%				5.5	0.6%	
	2022			25,636	0.7%				6.6	0.7%				5.5	0.7%	
	2023			25,819	0.7%				6.6	0.7%				5.6	0.7%	
	2024			25,998	0.7%				6.7	0.7%				5.6	0.7%	
	2025			26,175	0.7%				6.7	0.7%				5.7	0.7%	
	2026			26,349	0.7%				6.7	0.7%				5.7	0.7%	
	2027			26,512	0.6%				6.8	0.6%				5.7	0.6%	
	2028			26,677	0.6%				6.8	0.6%				5.8	0.6%	
	2029			26,847	0.6%				6.9	0.6%				5.8	0.6%	
	2030			27,015	0.6%				6.9	0.6%				5.8	0.6%	
	2031			27,197	0.7%				7.0	0.7%				5.9	0.7%	
	2032			27,380	0.7%				7.0	0.7%				5.9	0.7%	
	2033			27,563	0.7%				7.1	0.7%				5.9	0.7%	
	2034			27,740	0.6%				7.1	0.6%				6.0	0.6%	
	2035			27,917	0.6%				7.1	0.6%				6.0	0.6%	
	2036			28,092	0.6%				7.2	0.6%				6.1	0.6%	
CAGR <sup>[3]</sup>	2007-2016		0.1%		-0.2%			0.4%		0.0%			0.8%		0.1%	
	2017-2026				0.6%					0.7%					0.7%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Bushnell**  
**2017 v. 2016 (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	2007	24,619	-	24,619	-	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%	24,259	2.0%	6.7	5.8	6.7	5.8	6.7	5.6	6.7	5.6
	2016	24,927	2.8%	24,354	0.4%	6.0	6.1	6.4	5.8	5.7	5.6	6.3	5.2
Projected	2017	24,874	-0.2%	24,563	0.9%	6.5	5.9	6.5	5.9	6.3	5.4	6.4	5.3
	2018	25,031	0.6%	24,864	1.2%	6.5	6.0	6.6	5.9	6.4	5.4	6.4	5.3
	2019	25,181	0.6%	25,134	1.1%	6.6	6.0	6.6	6.0	6.4	5.4	6.5	5.4
	2020	25,314	0.5%	25,407	1.1%	6.6	6.0	6.7	6.1	6.5	5.5	6.6	5.5
	2021	25,455	0.6%	25,675	1.1%	6.6	6.1	6.8	6.1	6.5	5.5	6.6	5.5
	2022	25,636	0.7%	25,936	1.0%	6.7	6.1	6.8	6.2	6.6	5.5	6.7	5.6
	2023	25,819	0.7%	26,202	1.0%	6.7	6.2	6.9	6.2	6.6	5.6	6.8	5.6
	2024	25,998	0.7%	26,470	1.0%	6.8	6.2	7.0	6.3	6.7	5.6	6.9	5.7
	2025	26,175	0.7%	26,738	1.0%	6.8	6.3	7.1	6.4	6.7	5.7	6.9	5.7
	2026	26,349	0.7%	27,007	1.0%	6.9	6.3	7.1	6.4	6.7	5.7	7.0	5.8
	2027	26,512	0.6%	27,281	1.0%	6.9	6.3	7.2	6.5	6.8	5.7	7.1	5.9
	2028	26,677	0.6%	27,555	1.0%	7.0	6.4	7.3	6.6	6.8	5.8	7.1	5.9
	2029	26,847	0.6%	27,825	1.0%	7.0	6.4	7.3	6.6	6.9	5.8	7.2	6.0
	2030	27,015	0.6%	28,093	1.0%	7.1	6.5	7.4	6.7	6.9	5.8	7.3	6.0
	2031	27,197	0.7%	28,357	0.9%	7.1	6.5	7.5	6.8	7.0	5.9	7.3	6.1
	2032	27,380	0.7%	28,617	0.9%	7.1	6.5	7.6	6.8	7.0	5.9	7.4	6.1
	2033	27,563	0.7%	28,878	0.9%	7.2	6.6	7.6	6.9	7.1	5.9	7.5	6.2
	2034	27,740	0.6%	29,139	0.9%	7.2	6.6	7.7	6.9	7.1	6.0	7.5	6.3
	2035	27,917	0.6%	29,403	0.9%	7.3	6.7	7.8	7.0	7.1	6.0	7.6	6.3
	2036	28,092	0.6%			7.3	6.7			7.2	6.1		
CAGR <sup>[1]</sup>	Historical		0.1%		-0.2%	0.6%	0.4%	2.1%	-0.1%	0.6%	0.5%	3.1%	0.7%
	1st 10 Prj Yrs		0.6%		1.0%	0.7%	0.7%	1.1%	1.1%	0.7%	0.7%	1.1%	1.1%
	2nd 10 Prj Yrs		0.6%		0.9%	0.6%	0.6%	0.9%	0.9%	0.6%	0.6%	0.9%	0.9%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

**Bushnell**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	1,967	1,809	1,785	24,338	24,259
	2016	1,926	1,797	1,786	1,803	2,149	2,376	2,610	2,550	2,368	2,098	1,778	1,903	25,145	24,927
Projected	2017	2,127	1,821	1,873	1,802	2,079	2,257	2,394	2,469	2,273	2,048	1,798	1,902	24,843	24,874
	2018	2,151	1,842	1,893	1,821	2,100	2,279	2,416	2,490	2,292	2,064	1,811	1,915	25,073	25,031
	2019	2,163	1,852	1,905	1,832	2,112	2,292	2,429	2,503	2,304	2,075	1,821	1,925	25,214	25,181
	2020	2,173	1,861	1,915	1,842	2,123	2,304	2,441	2,516	2,316	2,086	1,831	1,934	25,343	25,314
	2021	2,182	1,870	1,925	1,853	2,136	2,318	2,456	2,531	2,332	2,101	1,844	1,948	25,496	25,455
	2022	2,197	1,883	1,939	1,867	2,152	2,334	2,473	2,549	2,349	2,116	1,857	1,962	25,679	25,636
	2023	2,212	1,896	1,953	1,881	2,167	2,351	2,491	2,567	2,365	2,131	1,871	1,976	25,861	25,819
	2024	2,226	1,909	1,967	1,894	2,183	2,367	2,508	2,585	2,382	2,146	1,884	1,989	26,040	25,998
	2025	2,241	1,921	1,980	1,908	2,198	2,383	2,525	2,602	2,398	2,161	1,897	2,003	26,217	26,175
Projected	2026	2,255	1,934	1,994	1,921	2,213	2,399	2,541	2,619	2,413	2,175	1,909	2,016	26,387	26,349
	2027	2,268	1,945	2,006	1,933	2,227	2,414	2,556	2,635	2,428	2,188	1,921	2,028	26,549	26,512
	2028	2,281	1,957	2,019	1,945	2,241	2,429	2,572	2,652	2,444	2,203	1,934	2,041	26,718	26,677
	2029	2,295	1,969	2,032	1,958	2,256	2,444	2,588	2,668	2,459	2,217	1,946	2,053	26,885	26,847
	2030	2,307	1,980	2,045	1,971	2,270	2,460	2,605	2,685	2,476	2,232	1,959	2,067	27,057	27,015
	2031	2,322	1,993	2,059	1,985	2,286	2,477	2,622	2,703	2,492	2,247	1,973	2,081	27,239	27,197
	2032	2,337	2,006	2,072	1,998	2,301	2,493	2,640	2,721	2,509	2,262	1,986	2,095	27,423	27,380
	2033	2,352	2,020	2,087	2,012	2,317	2,510	2,657	2,739	2,526	2,277	1,999	2,109	27,605	27,563
	2034	2,367	2,032	2,100	2,025	2,332	2,526	2,674	2,757	2,542	2,292	2,013	2,122	27,782	27,740
	2035	2,381	2,045	2,114	2,039	2,347	2,542	2,690	2,774	2,558	2,306	2,025	2,135	27,957	27,917
	2036	2,395	2,057	2,127	2,052	2,362	2,558	2,707	2,791	2,575	2,321	2,039	2,149	28,134	28,092

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.2%	9.0%	9.9%	9.2%	8.1%	7.4%	7.3%	100.0%
	2016	7.7%	7.1%	7.1%	7.2%	8.5%	9.4%	10.4%	10.1%	9.4%	8.3%	7.1%	7.6%	100.0%
Projected	2017	8.6%	7.3%	7.5%	7.3%	8.4%	9.1%	9.6%	9.9%	9.2%	8.2%	7.2%	7.7%	100.0%
	2018	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2019	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2020	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2021	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2022	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2023	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2024	8.5%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
	2025	8.5%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%
Avg.	2007-2016	8.2%	7.3%	7.4%	7.5%	8.8%	9.1%	9.5%	10.2%	9.4%	8.2%	6.9%	7.6%	100.0%
	2017-2026	8.6%	7.3%	7.6%	7.3%	8.4%	9.1%	9.6%	9.9%	9.1%	8.2%	7.2%	7.6%	100.0%

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**FMPA 2017 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	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	5.1	5.1	4.2	6.7	5.8
	2016	6.0	5.7	4.4	4.9	5.2	5.5	5.9	6.1	5.7	5.2	4.1	4.9	6.0	6.1
Projected	2017	6.5	5.8	4.4	4.7	5.3	5.6	5.5	5.9	5.7	5.1	4.1	5.0	6.5	5.9
	2018	6.5	5.9	4.4	4.7	5.3	5.7	5.5	6.0	5.8	5.2	4.1	5.0	6.5	6.0
	2019	6.6	5.9	4.4	4.8	5.3	5.7	5.5	6.0	5.8	5.2	4.1	5.0	6.6	6.0
	2020	6.6	5.9	4.5	4.8	5.4	5.7	5.6	6.0	5.8	5.2	4.2	5.1	6.6	6.0
	2021	6.6	6.0	4.5	4.8	5.4	5.8	5.6	6.1	5.9	5.3	4.2	5.1	6.6	6.1
	2022	6.7	6.0	4.5	4.8	5.4	5.8	5.6	6.1	5.9	5.3	4.2	5.1	6.7	6.1
	2023	6.7	6.1	4.6	4.9	5.5	5.8	5.7	6.2	6.0	5.3	4.3	5.2	6.7	6.2
	2024	6.8	6.1	4.6	4.9	5.5	5.9	5.7	6.2	6.0	5.4	4.3	5.2	6.8	6.2
	2025	6.8	6.1	4.6	4.9	5.5	5.9	5.8	6.3	6.0	5.4	4.3	5.2	6.8	6.3
	2026	6.9	6.2	4.7	5.0	5.6	6.0	5.8	6.3	6.1	5.5	4.3	5.3	6.9	6.3
Projected	2027	6.9	6.2	4.7	5.0	5.6	6.0	5.8	6.3	6.1	5.5	4.4	5.3	6.9	6.3
	2028	7.0	6.3	4.7	5.0	5.6	6.0	5.9	6.4	6.2	5.5	4.4	5.3	7.0	6.4
	2029	7.0	6.3	4.7	5.1	5.7	6.1	5.9	6.4	6.2	5.6	4.4	5.4	7.0	6.4
	2030	7.1	6.3	4.8	5.1	5.7	6.1	6.0	6.5	6.2	5.6	4.5	5.4	7.1	6.5
	2031	7.1	6.4	4.8	5.1	5.8	6.2	6.0	6.5	6.3	5.6	4.5	5.4	7.1	6.5
	2032	7.1	6.4	4.8	5.2	5.8	6.2	6.0	6.5	6.3	5.7	4.5	5.5	7.1	6.5
	2033	7.2	6.5	4.9	5.2	5.8	6.2	6.1	6.6	6.4	5.7	4.5	5.5	7.2	6.6
	2034	7.2	6.5	4.9	5.2	5.9	6.3	6.1	6.6	6.4	5.7	4.6	5.5	7.2	6.6
	2035	7.3	6.5	4.9	5.3	5.9	6.3	6.1	6.7	6.4	5.8	4.6	5.6	7.3	6.7
	2036	7.3	6.6	5.0	5.3	5.9	6.4	6.2	6.7	6.5	5.8	4.6	5.6	7.3	6.7

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	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%	52.3%	47.3%	59.5%	41.5%	48.0%
	2016	43.3%	45.5%	54.7%	50.0%	61.1%	57.8%	61.0%	56.6%	58.1%	53.7%	58.8%	53.6%	48.0%	47.4%
Projected	2017	44.2%	46.6%	57.5%	51.7%	58.9%	54.0%	60.9%	56.0%	55.1%	53.6%	58.9%	53.1%	43.8%	47.9%
	2018	44.3%	46.7%	57.5%	51.7%	58.9%	54.0%	60.9%	56.0%	55.1%	53.6%	59.0%	53.2%	43.8%	47.9%
	2019	44.3%	46.7%	57.6%	51.7%	58.9%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.2%	43.8%	47.9%
	2020	44.2%	45.1%	57.6%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2021	44.2%	46.6%	57.5%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2022	44.1%	46.6%	57.5%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2023	44.1%	46.6%	57.6%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2024	44.1%	45.0%	57.6%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2025	44.1%	46.6%	57.6%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%
	2026	44.1%	46.6%	57.6%	51.8%	59.0%	54.0%	60.8%	55.9%	55.1%	53.6%	59.1%	53.2%	43.8%	47.9%
Avg.	2007-2016	44.7%	44.9%	53.0%	52.9%	61.0%	55.3%	60.5%	57.7%	57.0%	52.7%	52.6%	54.4%	43.9%	47.9%
	2017-2026	44.2%	46.3%	57.5%	51.8%	59.0%	54.0%	60.8%	56.0%	55.1%	53.6%	59.0%	53.1%	43.8%	47.9%



FMPA 2017 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	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	5.1	3.4	6.7	5.6
	2016	6.0	5.7	4.1	4.7	5.1	5.2	5.6	5.3	5.2	5.1	4.0	4.1	5.7	5.6
Projected	2017	6.3	5.8	3.9	4.4	4.8	5.3	5.1	5.4	5.4	5.0	4.0	4.1	6.3	5.4
	2018	6.4	5.9	4.0	4.5	4.8	5.4	5.2	5.4	5.4	5.1	4.0	4.1	6.4	5.4
	2019	6.4	5.9	4.0	4.5	4.9	5.4	5.2	5.4	5.5	5.1	4.0	4.2	6.4	5.4
	2020	6.5	5.9	4.0	4.5	4.9	5.4	5.2	5.5	5.5	5.1	4.1	4.2	6.5	5.5
	2021	6.5	6.0	4.0	4.5	4.9	5.5	5.3	5.5	5.5	5.1	4.1	4.2	6.5	5.5
	2022	6.6	6.0	4.0	4.6	5.0	5.5	5.3	5.5	5.6	5.2	4.1	4.2	6.6	5.5
	2023	6.6	6.1	4.1	4.6	5.0	5.5	5.3	5.6	5.6	5.2	4.1	4.3	6.6	5.6
	2024	6.7	6.1	4.1	4.6	5.0	5.6	5.4	5.6	5.6	5.2	4.2	4.3	6.7	5.6
	2025	6.7	6.1	4.1	4.7	5.1	5.6	5.4	5.7	5.7	5.3	4.2	4.3	6.7	5.7
Projected	2026	6.7	6.2	4.2	4.7	5.1	5.7	5.4	5.7	5.7	5.3	4.2	4.4	6.7	5.7
	2027	6.8	6.2	4.2	4.7	5.1	5.7	5.5	5.7	5.7	5.3	4.3	4.4	6.8	5.7
	2028	6.8	6.3	4.2	4.8	5.2	5.7	5.5	5.8	5.8	5.4	4.3	4.4	6.8	5.8
	2029	6.9	6.3	4.2	4.8	5.2	5.8	5.5	5.8	5.8	5.4	4.3	4.4	6.9	5.8
	2030	6.9	6.3	4.3	4.8	5.2	5.8	5.6	5.8	5.9	5.4	4.3	4.5	6.9	5.8
	2031	7.0	6.4	4.3	4.8	5.3	5.8	5.6	5.9	5.9	5.5	4.4	4.5	7.0	5.9
	2032	7.0	6.4	4.3	4.9	5.3	5.9	5.7	5.9	5.9	5.5	4.4	4.5	7.0	5.9
	2033	7.1	6.5	4.4	4.9	5.3	5.9	5.7	5.9	6.0	5.6	4.4	4.6	7.1	5.9
	2034	7.1	6.5	4.4	4.9	5.4	6.0	5.7	6.0	6.0	5.6	4.5	4.6	7.1	6.0
Projected	2035	7.1	6.5	4.4	5.0	5.4	6.0	5.8	6.0	6.1	5.6	4.5	4.6	7.1	6.0
	2036	7.2	6.6	4.4	5.0	5.4	6.0	5.8	6.1	6.1	5.7	4.5	4.6	7.2	6.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.5%	92.0%	90.7%	95.8%	100.0%	80.8%	100.0%	96.7%
Projected	2016	100.0%	100.0%	94.5%	96.4%	98.1%	94.6%	93.9%	87.3%	92.0%	97.5%	97.3%	82.7%	94.9%	92.1%
	2017	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2018	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2019	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2020	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2021	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2022	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2023	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2024	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
Projected	2025	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
	2026	98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%
2007-2016		98.2%	99.0%	88.7%	92.0%	89.1%	94.3%	95.3%	91.1%	94.7%	94.4%	89.3%	85.4%	97.0%	92.0%
2017-2026		98.1%	100.0%	89.4%	94.3%	91.5%	94.7%	93.8%	90.4%	93.9%	97.5%	97.3%	82.7%	98.1%	90.4%

# FMPA 2017 Load Forecast - Base Case - Bushnell

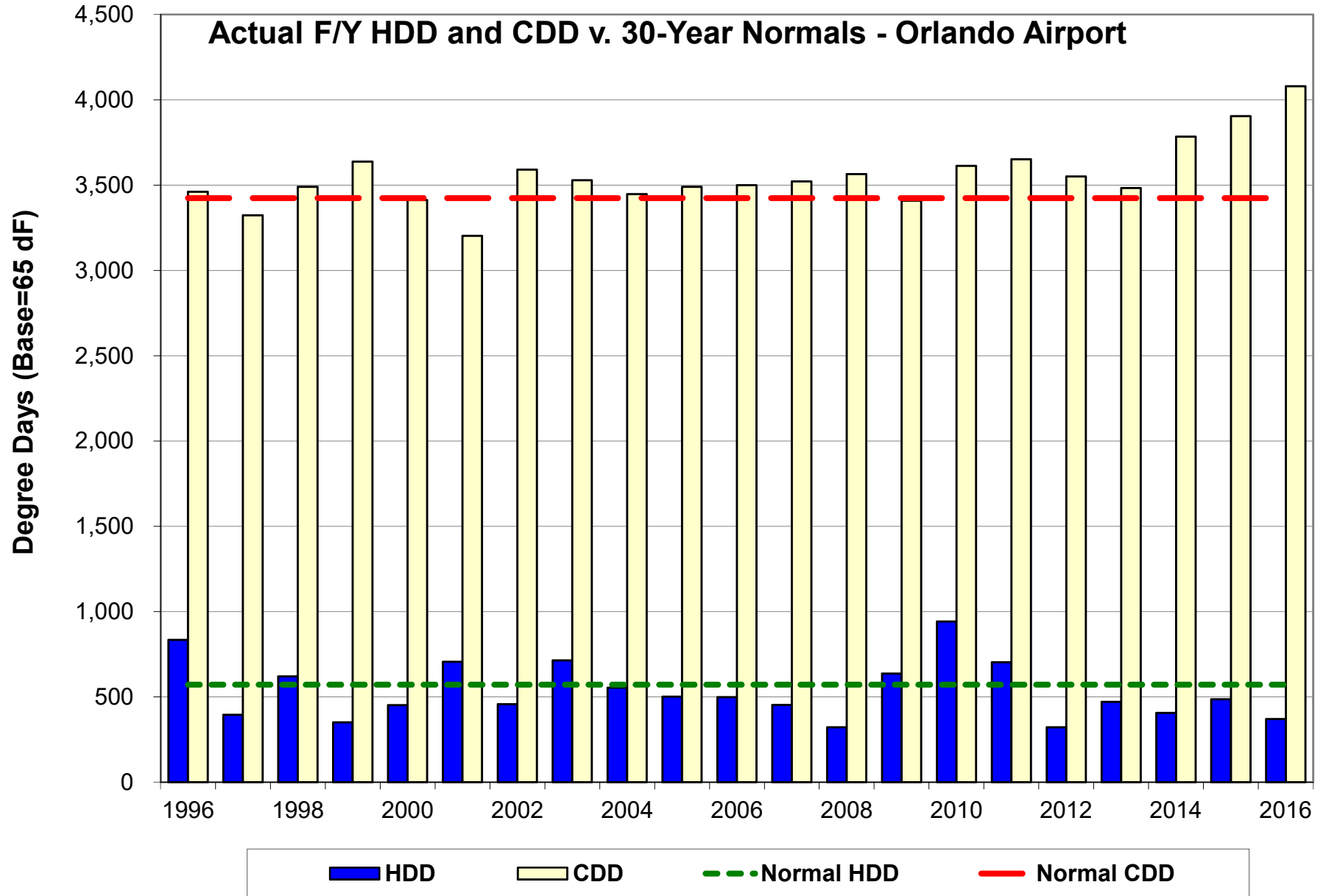
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

		Residential						General Service						TOTAL SALES		DISTR.	TOTAL NEL		
		Fiscal Year	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	2007	8,696		756		11,498		14,901		291		51.3		23,597		1,022	24,619		
	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%	
	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	8,648	4.2%	755	0.5%	11,448	3.6%	15,376	3.9%	281	0.8%	54.8	3.1%	24,024	4.0%	903	24,927	2.8%	
Projected	2017	8,786	1.6%	766	1.3%	11,476	0.2%	15,112	-1.7%	286	1.7%	52.9	-3.3%	23,898	-0.5%	976	24,874	-0.2%	
	2018	8,848	0.7%	769	0.5%	11,502	0.2%	15,197	0.6%	288	0.7%	52.8	-0.1%	24,045	0.6%	986	25,031	0.6%	
	2019	8,839	-0.1%	772	0.3%	11,454	-0.4%	15,351	1.0%	289	0.7%	53.0	0.4%	24,190	0.6%	991	25,181	0.6%	
	2020	8,816	-0.3%	775	0.4%	11,380	-0.6%	15,502	1.0%	291	0.6%	53.2	0.4%	24,317	0.5%	996	25,314	0.5%	
	2021	8,802	-0.2%	778	0.4%	11,320	-0.5%	15,651	1.0%	293	0.6%	53.5	0.4%	24,453	0.6%	1,002	25,455	0.6%	
	2022	8,827	0.3%	780	0.3%	11,316	0.0%	15,800	0.9%	294	0.5%	53.7	0.4%	24,627	0.7%	1,009	25,636	0.7%	
	2023	8,854	0.3%	783	0.3%	11,314	0.0%	15,949	0.9%	296	0.5%	53.9	0.4%	24,803	0.7%	1,016	25,819	0.7%	
	2024	8,878	0.3%	785	0.3%	11,308	-0.1%	16,097	0.9%	297	0.5%	54.2	0.5%	24,975	0.7%	1,023	25,998	0.7%	
	2025	8,902	0.3%	788	0.3%	11,303	0.0%	16,243	0.9%	299	0.4%	54.4	0.5%	25,145	0.7%	1,030	26,175	0.7%	
	2026	8,922	0.2%	790	0.3%	11,295	-0.1%	16,389	0.9%	300	0.4%	54.7	0.5%	25,312	0.7%	1,037	26,349	0.7%	
	2027	8,933	0.1%	792	0.3%	11,275	-0.2%	16,535	0.9%	301	0.4%	54.9	0.5%	25,468	0.6%	1,043	26,512	0.6%	
	2028	8,945	0.1%	795	0.3%	11,257	-0.2%	16,682	0.9%	302	0.4%	55.2	0.5%	25,627	0.6%	1,050	26,677	0.6%	
	2029	8,963	0.2%	797	0.3%	11,247	-0.1%	16,828	0.9%	303	0.4%	55.5	0.5%	25,791	0.6%	1,056	26,847	0.6%	
	2030	8,978	0.2%	799	0.3%	11,235	-0.1%	16,973	0.9%	305	0.4%	55.7	0.5%	25,952	0.6%	1,063	27,015	0.6%	
	2031	9,009	0.3%	801	0.3%	11,241	0.1%	17,118	0.9%	306	0.4%	56.0	0.5%	26,127	0.7%	1,070	27,197	0.7%	
	2032	9,042	0.4%	804	0.3%	11,251	0.1%	17,261	0.8%	307	0.3%	56.3	0.5%	26,302	0.7%	1,077	27,380	0.7%	
	2033	9,075	0.4%	806	0.3%	11,262	0.1%	17,404	0.8%	308	0.3%	56.6	0.5%	26,479	0.7%	1,084	27,563	0.7%	
	2034	9,102	0.3%	808	0.3%	11,265	0.0%	17,547	0.8%	309	0.3%	56.9	0.5%	26,649	0.6%	1,091	27,740	0.6%	
	2035	9,127	0.3%	810	0.3%	11,265	0.0%	17,692	0.8%	310	0.3%	57.1	0.5%	26,819	0.6%	1,098	27,917	0.6%	
	2036	9,149	0.2%	812	0.3%	11,262	0.0%	17,838	0.8%	311	0.3%	57.4	0.5%	26,987	0.6%	1,105	28,092	0.6%	
CAGR	2007-2016		-0.1%		0.0%		0.0%		0.3%		-0.4%		0.7%		0.2%			0.1%	
	2017-2026		0.2%		0.3%		-0.2%		0.9%		0.5%		0.4%		0.6%			0.6%	
	2027-2036		0.3%		0.3%		0.0%		0.8%		0.3%		0.5%		0.6%			0.6%	

CAGR - Compound Average Growth Rate

**FMPA 2017 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
1996	43.3	-	17.1	-	11.2	-	1.27	-	682	-	770	-	45,046	-
1997	46.8	8.1%	18.6	8.7%	11.6	3.5%	1.62	27.5%	714	4.7%	819	6.4%	44,108	-2.1%
1998	49.2	5.1%	19.6	5.6%	12.0	3.8%	1.79	10.7%	745	4.4%	881	7.6%	44,941	1.9%
1999	51.9	5.6%	20.8	6.2%	12.2	1.8%	1.69	-5.8%	790	6.0%	949	7.7%	45,556	1.4%
2000	54.0	4.0%	21.7	4.1%	12.7	3.9%	1.71	1.0%	828	4.8%	990	4.3%	45,636	0.2%
2001	56.4	4.3%	23.1	6.4%	13.4	5.3%	1.77	3.5%	912	10.2%	1,104	11.5%	47,821	4.8%
2002	59.8	6.0%	24.9	8.1%	14.6	9.2%	1.92	8.5%	915	0.3%	1,190	7.9%	47,719	-0.2%
2003	62.3	4.2%	26.5	6.1%	17.1	16.7%	2.30	20.1%	1,076	17.6%	1,347	13.2%	50,913	6.7%
2004	65.2	4.7%	28.0	6.0%	18.6	9.1%	2.47	7.5%	1,165	8.3%	1,516	12.5%	54,063	6.2%
2005	70.3	7.8%	30.5	8.9%	21.5	15.8%	1.48	-40.4%	1,391	19.4%	1,759	16.0%	57,604	6.5%
2006	76.9	9.4%	33.6	10.0%	24.0	11.5%	1.74	18.1%	1,523	9.4%	2,024	15.1%	60,265	4.6%
2007	82.5	7.4%	36.1	7.6%	24.8	3.1%	1.20	-31.4%	1,617	6.2%	2,205	8.9%	61,008	1.2%
2008	87.0	5.3%	38.1	5.4%	25.0	0.8%	1.72	43.8%	1,556	-3.8%	2,403	9.0%	63,070	3.4%
2009	91.1	4.7%	39.9	4.7%	25.7	2.8%	1.62	-5.8%	1,615	3.8%	2,519	4.8%	63,141	0.1%
2010	94.9	4.2%	42.6	6.9%	26.7	4.1%	1.31	-19.2%	1,777	10.0%	2,740	8.8%	64,260	1.8%
2011	99.1	4.5%	45.9	7.5%	28.2	5.7%	0.93	-29.1%	1,845	3.8%	3,147	14.8%	68,631	6.8%
2012	103.5	4.5%	47.6	3.7%	29.4	4.1%	0.94	1.9%	1,812	-1.8%	3,468	10.2%	72,920	6.2%
2013	109.0	5.3%	50.8	6.7%	31.6	7.5%	0.98	3.5%	1,944	7.3%	3,734	7.6%	73,565	0.9%
2014	114.6	5.1%	52.0	2.5%	33.0	4.4%	1.01	3.5%	1,995	2.6%	3,997	7.1%	76,837	4.4%
2015	119.6	4.4%	54.1	4.1%	34.1	3.3%	1.05	4.3%	2,081	4.3%	4,268	6.8%	78,853	2.6%
2016	123.3	3.1%	56.0	3.5%	35.0	2.8%	1.06	0.1%	2,141	2.9%	4,470	4.7%	79,817	1.2%
2017	127.1	3.1%	57.9	3.3%	36.2	3.4%	1.06	0.6%	2,247	5.0%	4,686	4.8%	81,004	1.5%
2018	130.9	3.0%	59.7	3.1%	37.3	3.0%	1.07	0.4%	2,364	5.2%	4,910	4.8%	82,301	1.6%
2019	134.7	2.9%	61.5	3.0%	38.3	2.7%	1.08	0.7%	2,472	4.6%	5,137	4.6%	83,585	1.6%
2020	138.5	2.8%	63.3	2.9%	39.4	2.7%	1.09	1.0%	2,584	4.5%	5,371	4.6%	84,894	1.6%
2021	142.4	2.8%	65.1	2.9%	40.4	2.4%	1.10	0.8%	2,685	3.9%	5,610	4.4%	86,173	1.5%
2022	146.4	2.8%	66.9	2.7%	41.4	2.7%	1.10	0.4%	2,805	4.5%	5,858	4.4%	87,583	1.6%
2023	150.4	2.8%	68.7	2.7%	42.5	2.6%	1.10	0.1%	2,926	4.3%	6,115	4.4%	89,023	1.6%
2024	154.5	2.7%	70.5	2.6%	43.6	2.4%	1.10	0.0%	3,038	3.8%	6,376	4.3%	90,433	1.6%
2025	158.7	2.7%	72.3	2.6%	44.6	2.4%	1.10	0.0%	3,151	3.7%	6,646	4.2%	91,895	1.6%
2026	163.0	2.7%	74.2	2.5%	45.7	2.3%	1.10	0.2%	3,264	3.6%	6,923	4.2%	93,359	1.6%
2027	167.3	2.7%	76.0	2.5%	46.7	2.3%	1.10	0.1%	3,378	3.5%	7,211	4.2%	94,870	1.6%
2028	171.7	2.6%	77.9	2.4%	47.7	2.2%	1.10	-0.3%	3,496	3.5%	7,507	4.1%	96,417	1.6%
2029	176.1	2.6%	79.7	2.4%	48.8	2.3%	1.10	-0.1%	3,618	3.5%	7,812	4.1%	97,998	1.6%
2030	180.6	2.6%	81.6	2.3%	50.0	2.4%	1.10	0.0%	3,752	3.7%	8,125	4.0%	99,583	1.6%
2031	185.2	2.5%	83.5	2.3%	51.1	2.2%	1.10	-0.1%	3,875	3.3%	8,443	3.9%	101,129	1.6%
2032	189.8	2.5%	85.4	2.3%	52.3	2.4%	1.09	-0.4%	4,005	3.4%	8,770	3.9%	102,690	1.5%
2033	194.5	2.5%	87.3	2.3%	53.5	2.2%	1.09	-0.3%	4,141	3.4%	9,107	3.8%	104,268	1.5%
2034	199.3	2.5%	89.3	2.3%	54.6	2.2%	1.09	-0.2%	4,285	3.5%	9,457	3.8%	105,883	1.5%
2035	204.2	2.4%	91.3	2.3%	55.8	2.2%	1.09	-0.2%	4,436	3.5%	9,824	3.9%	107,566	1.6%
2036	209.1	2.4%	93.4	2.3%	57.0	2.2%	1.08	-0.1%	4,594	3.5%	10,201	3.8%	109,204	1.5%
<b>Average Percent Change</b>														
<b>2006-2016</b>			4.8%	5.2%	3.9%	-4.9%	3.5%	8.2%	2.8%					
<b>2017-2026</b>			2.8%	2.8%	2.6%	0.4%	4.2%	4.4%	1.6%					
<b>2027-2036</b>			2.5%	2.3%	2.2%	-0.2%	3.5%	4.0%	1.6%					



Clewiston

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FMPA 2017 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	2007	128,584	-	126,543	-	-1.6%	18.9	-	24.4	-	28.8%	26.0	-	26.2		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%
	2016	109,324	3.6%	103,299	1.0%	-5.5%	15.6	-41.8%	16.3	7.4%	4.5%	21.1	-0.9%	22.1	11.4%	5.0%
Projected	2017	104,357	-4.5%	104,357	1.0%		16.2	3.6%	16.2	-0.9%		21.9	3.9%	21.9	-1.1%	
	2018			104,582	0.2%				16.3	0.5%				22.0	0.5%	
	2019			105,009	0.4%				16.3	0.4%				22.1	0.4%	
	2020			105,398	0.4%				16.4	0.4%				22.2	0.4%	
	2021			105,762	0.3%				16.4	0.4%				22.2	0.4%	
	2022			106,140	0.4%				16.5	0.3%				22.3	0.3%	
	2023			106,456	0.3%				16.5	0.3%				22.4	0.3%	
	2024			106,756	0.3%				16.6	0.3%				22.4	0.3%	
	2025			107,013	0.2%				16.6	0.2%				22.5	0.2%	
	2026			107,242	0.2%				16.7	0.2%				22.5	0.2%	
	2027			107,520	0.3%				16.7	0.3%				22.6	0.3%	
	2028			107,797	0.3%				16.7	0.3%				22.7	0.3%	
	2029			108,069	0.3%				16.8	0.3%				22.7	0.3%	
	2030			108,334	0.2%				16.8	0.2%				22.8	0.2%	
	2031			108,589	0.2%				16.9	0.2%				22.8	0.2%	
	2032			108,848	0.2%				16.9	0.2%				22.9	0.2%	
	2033			109,086	0.2%				16.9	0.2%				22.9	0.2%	
	2034			109,304	0.2%				17.0	0.2%				23.0	0.2%	
	2035			109,577	0.3%				17.0	0.3%				23.0	0.3%	
	2036			109,856	0.3%				17.1	0.3%				23.1	0.3%	
CAGR <sup>[3]</sup>	2007-2016		-1.8%		-2.2%			-2.1%		-4.4%			-2.3%		-1.9%	
	2017-2026				0.3%					0.3%					0.3%	
	2027-2036				0.2%					0.2%					0.2%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Clewiston**  
**2017 v. 2016 (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	2007	128,584	-	128,584	-	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%	105,534	0.9%	26.9	26.7	26.9	26.7	26.8	21.3	26.8	21.3
	2016	109,324	3.6%	106,712	1.1%	19.4	25.6	23.0	26.5	15.6	21.1	17.1	20.9
Projected	2017	104,357	-4.5%	107,743	1.0%	21.8	25.8	23.3	26.8	16.2	21.9	17.2	21.1
	2018	104,582	0.2%	108,887	1.1%	21.9	26.0	23.5	27.0	16.3	22.0	17.4	21.3
	2019	105,009	0.4%	109,983	1.0%	21.9	26.1	23.7	27.3	16.3	22.1	17.6	21.6
	2020	105,398	0.4%	111,073	1.0%	22.0	26.1	24.0	27.6	16.4	22.2	17.8	21.8
	2021	105,762	0.3%	112,181	1.0%	22.1	26.2	24.2	27.9	16.4	22.2	17.9	22.0
	2022	106,140	0.4%	113,196	0.9%	22.2	26.3	24.4	28.1	16.5	22.3	18.1	22.2
	2023	106,456	0.3%	114,187	0.9%	22.2	26.4	24.6	28.3	16.5	22.4	18.2	22.4
	2024	106,756	0.3%	115,152	0.8%	22.3	26.5	24.8	28.6	16.6	22.4	18.4	22.6
	2025	107,013	0.2%	116,156	0.9%	22.4	26.5	25.1	28.8	16.6	22.5	18.6	22.8
	2026	107,242	0.2%	117,231	0.9%	22.4	26.6	25.3	29.1	16.7	22.5	18.7	23.0
	2027	107,520	0.3%	118,301	0.9%	22.5	26.7	25.5	29.4	16.7	22.6	18.9	23.2
	2028	107,797	0.3%	119,363	0.9%	22.5	26.7	25.8	29.6	16.7	22.7	19.1	23.4
	2029	108,069	0.3%	120,381	0.9%	22.6	26.8	26.0	29.9	16.8	22.7	19.2	23.6
	2030	108,334	0.2%	121,368	0.8%	22.6	26.9	26.2	30.1	16.8	22.8	19.4	23.8
	2031	108,589	0.2%	122,366	0.8%	22.7	26.9	26.4	30.4	16.9	22.8	19.5	24.0
	2032	108,848	0.2%	123,373	0.8%	22.7	27.0	26.6	30.6	16.9	22.9	19.7	24.2
	2033	109,086	0.2%	124,448	0.9%	22.8	27.1	26.8	30.9	16.9	22.9	19.9	24.4
	2034	109,304	0.2%	125,500	0.8%	22.8	27.1	27.1	31.2	17.0	23.0	20.1	24.6
	2035	109,577	0.3%	126,570	0.9%	22.9	27.2	27.3	31.4	17.0	23.0	20.2	24.8
	2036	109,856	0.3%			23.0	27.3			17.1	23.1		
CAGR <sup>[1]</sup>	Historical		-1.8%		-2.4%	-3.1%	-1.0%	0.6%	-2.0%	-4.8%	-1.5%	2.1%	-1.6%
	1st 10 Prj Yrs		0.3%		0.9%	0.3%	0.3%	0.9%	0.9%	0.3%	0.3%	0.9%	0.9%
	2nd 10 Prj Yrs		0.2%		0.9%	0.2%	0.2%	0.9%	0.9%	0.2%	0.2%	0.9%	0.9%

[1] CAGR - Compound Annual Growth Rate



**FMPA 2017 Load Forecast - Base Case**

**Clewiston**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	9,611	8,637	8,098	109,074	105,534
	2016	6,839	6,605	7,751	8,245	9,624	10,932	11,352	11,230	10,398	9,827	7,710	7,359	107,875	109,324
Projected	2017	7,074	7,231	7,701	7,999	9,278	10,307	9,772	10,622	9,476	9,594	7,740	7,387	104,182	104,357
	2018	7,102	7,266	7,723	8,044	9,332	10,367	9,824	10,681	9,523	9,643	7,777	7,420	104,700	104,582
	2019	7,132	7,295	7,753	8,076	9,367	10,406	9,860	10,722	9,560	9,680	7,808	7,449	105,107	105,009
	2020	7,161	7,324	7,783	8,107	9,402	10,443	9,892	10,759	9,592	9,712	7,833	7,473	105,479	105,398
	2021	7,183	7,348	7,810	8,135	9,435	10,480	9,926	10,799	9,628	9,748	7,863	7,501	105,857	105,762
	2022	7,211	7,375	7,838	8,165	9,468	10,516	9,959	10,835	9,659	9,779	7,887	7,524	106,217	106,140
	2023	7,232	7,397	7,862	8,190	9,496	10,547	9,986	10,868	9,687	9,807	7,910	7,545	106,528	106,456
	2024	7,252	7,418	7,885	8,214	9,523	10,577	10,013	10,898	9,713	9,834	7,931	7,565	106,824	106,756
	2025	7,271	7,437	7,905	8,235	9,546	10,600	10,034	10,921	9,733	9,854	7,947	7,580	107,063	107,013
	2026	7,285	7,452	7,921	8,253	9,567	10,624	10,056	10,948	9,757	9,878	7,967	7,599	107,307	107,242
Projected	2027	7,304	7,471	7,942	8,276	9,592	10,652	10,081	10,977	9,782	9,904	7,988	7,619	107,586	107,520
	2028	7,322	7,490	7,963	8,298	9,617	10,679	10,106	11,005	9,807	9,929	8,008	7,638	107,862	107,797
	2029	7,340	7,509	7,983	8,319	9,642	10,706	10,130	11,033	9,831	9,953	8,028	7,657	108,133	108,069
	2030	7,358	7,528	8,003	8,341	9,665	10,732	10,153	11,060	9,855	9,977	8,047	7,675	108,395	108,334
	2031	7,376	7,545	8,023	8,361	9,688	10,757	10,176	11,087	9,878	10,000	8,066	7,693	108,650	108,589
	2032	7,393	7,563	8,042	8,382	9,712	10,783	10,199	11,114	9,902	10,025	8,086	7,712	108,911	108,848
	2033	7,410	7,581	8,060	8,401	9,733	10,805	10,219	11,135	9,920	10,043	8,100	7,725	109,132	109,086
	2034	7,423	7,595	8,076	8,419	9,753	10,827	10,240	11,161	9,943	10,067	8,120	7,744	109,367	109,304
	2035	7,441	7,614	8,097	8,441	9,778	10,855	10,264	11,189	9,968	10,092	8,141	7,764	109,643	109,577
	2036	7,460	7,633	8,118	8,463	9,803	10,882	10,290	11,218	9,993	10,118	8,161	7,784	109,922	109,856

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	6.2%	6.0%	7.5%	8.3%	9.1%	10.2%	9.5%	9.7%	9.2%	8.8%	7.9%	7.4%	100.0%
	2016	6.3%	6.1%	7.2%	7.6%	8.9%	10.1%	10.5%	10.4%	9.6%	9.1%	7.1%	6.8%	100.0%
Projected	2017	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2018	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2019	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2020	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2021	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2022	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2023	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2024	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2025	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
	2026	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%
Avg.	2007-2016	7.1%	6.5%	7.2%	7.8%	9.1%	10.0%	9.7%	10.1%	9.4%	8.9%	7.1%	7.1%	100.0%
	2017-2026	6.8%	6.9%	7.4%	7.7%	8.9%	9.9%	9.4%	10.2%	9.1%	9.2%	7.4%	7.1%	100.0%

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FMPA 2017 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	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	24.4	19.4	16.5	26.9	26.7
	2016	14.8	15.6	17.7	20.4	21.0	25.6	24.2	22.8	25.1	21.5	21.8	15.3	19.4	25.6
Projected	2017	19.2	16.1	17.2	18.5	19.8	25.8	20.5	23.5	21.1	21.7	21.9	15.4	21.8	25.8
	2018	19.3	16.1	17.3	18.6	19.9	26.0	20.6	23.6	21.2	21.8	21.9	15.4	21.9	26.0
	2019	19.3	16.2	17.3	18.7	20.0	26.1	20.7	23.7	21.2	21.9	22.0	15.5	21.9	26.1
	2020	19.4	16.3	17.4	18.8	20.0	26.1	20.7	23.8	21.3	22.0	22.1	15.5	22.0	26.1
	2021	19.5	16.3	17.5	18.8	20.1	26.2	20.8	23.9	21.4	22.1	22.2	15.6	22.1	26.2
	2022	19.6	16.4	17.5	18.9	20.2	26.3	20.9	23.9	21.5	22.1	22.2	15.6	22.2	26.3
	2023	19.6	16.4	17.6	18.9	20.2	26.4	20.9	24.0	21.5	22.2	22.3	15.7	22.2	26.4
	2024	19.7	16.5	17.6	19.0	20.3	26.5	21.0	24.1	21.6	22.3	22.4	15.7	22.3	26.5
	2025	19.7	16.5	17.7	19.0	20.3	26.5	21.1	24.1	21.6	22.3	22.4	15.7	22.4	26.5
Projected	2026	19.8	16.5	17.7	19.1	20.4	26.6	21.1	24.2	21.7	22.4	22.5	15.8	22.4	26.6
	2027	19.8	16.6	17.8	19.1	20.4	26.7	21.2	24.3	21.7	22.4	22.5	15.8	22.5	26.7
	2028	19.9	16.6	17.8	19.2	20.5	26.7	21.2	24.3	21.8	22.5	22.6	15.9	22.5	26.7
	2029	19.9	16.7	17.8	19.2	20.5	26.8	21.3	24.4	21.9	22.5	22.6	15.9	22.6	26.8
	2030	20.0	16.7	17.9	19.3	20.6	26.9	21.3	24.4	21.9	22.6	22.7	15.9	22.6	26.9
	2031	20.0	16.7	17.9	19.3	20.6	26.9	21.4	24.5	22.0	22.6	22.7	16.0	22.7	26.9
	2032	20.0	16.8	18.0	19.4	20.7	27.0	21.4	24.6	22.0	22.7	22.8	16.0	22.7	27.0
	2033	20.1	16.8	18.0	19.4	20.7	27.1	21.5	24.6	22.1	22.7	22.8	16.0	22.8	27.1
	2034	20.1	16.9	18.1	19.4	20.8	27.1	21.5	24.7	22.1	22.8	22.9	16.1	22.8	27.1
Projected	2035	20.2	16.9	18.1	19.5	20.8	27.2	21.6	24.7	22.2	22.9	23.0	16.1	22.9	27.2
	2036	20.2	16.9	18.1	19.5	20.9	27.3	21.6	24.8	22.2	22.9	23.0	16.2	23.0	27.3

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	53.0%	59.9%	68.1%	46.3%	46.7%
Projected	2016	62.3%	60.8%	58.8%	54.4%	68.1%	57.5%	65.2%	66.3%	57.6%	61.5%	47.6%	66.9%	63.6%	48.2%
	2017	49.6%	67.0%	60.2%	58.0%	69.8%	53.6%	66.2%	60.8%	62.5%	59.4%	47.6%	66.8%	54.7%	46.0%
	2018	49.5%	67.0%	60.1%	58.1%	69.9%	53.7%	66.3%	60.8%	62.5%	59.4%	47.6%	66.8%	54.7%	46.0%
	2019	49.5%	67.0%	60.1%	58.1%	69.9%	53.7%	66.3%	60.8%	62.5%	59.4%	47.7%	66.8%	54.7%	46.0%
	2020	49.6%	64.7%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.6%	66.8%	54.7%	46.0%
	2021	49.6%	67.0%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.8%	54.7%	46.0%
	2022	49.6%	67.0%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.8%	54.7%	46.0%
	2023	49.6%	67.0%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.9%	54.7%	46.0%
	2024	49.6%	64.7%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.9%	54.7%	46.0%
Projected	2025	49.6%	67.1%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.3%	47.7%	66.9%	54.7%	46.0%
	2026	49.6%	67.0%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.9%	54.7%	46.0%
Avg.	2007-2016	54.2%	56.2%	56.6%	58.1%	69.5%	57.5%	66.0%	63.5%	62.4%	57.6%	53.1%	64.2%	54.7%	46.7%
	2017-2026	49.6%	66.6%	60.1%	58.1%	69.9%	53.7%	66.2%	60.8%	62.5%	59.4%	47.7%	66.8%	54.7%	46.0%

FMPA 2017 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	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	21.6	18.8	15.5	26.8	21.3
	2016	14.2	15.6	15.6	19.2	20.4	21.4	21.1	22.2	20.6	18.1	17.3	13.5	15.6	21.1
Projected	2017	16.2	13.7	15.4	17.7	18.6	21.1	17.4	21.9	17.7	18.3	17.3	13.5	16.2	21.9
	2018	16.3	13.8	15.5	17.8	18.7	21.2	17.4	22.0	17.8	18.4	17.4	13.6	16.3	22.0
	2019	16.3	13.9	15.6	17.9	18.7	21.3	17.5	22.1	17.9	18.4	17.5	13.6	16.3	22.1
	2020	16.4	13.9	15.6	17.9	18.8	21.3	17.6	22.2	18.0	18.5	17.5	13.7	16.4	22.2
	2021	16.4	14.0	15.7	18.0	18.9	21.4	17.6	22.2	18.0	18.6	17.6	13.7	16.4	22.2
	2022	16.5	14.0	15.7	18.0	18.9	21.5	17.7	22.3	18.1	18.6	17.6	13.8	16.5	22.3
	2023	16.5	14.1	15.8	18.1	19.0	21.6	17.8	22.4	18.1	18.7	17.7	13.8	16.5	22.4
	2024	16.6	14.1	15.8	18.1	19.0	21.6	17.8	22.4	18.2	18.7	17.7	13.8	16.6	22.4
	2025	16.6	14.1	15.9	18.2	19.1	21.7	17.8	22.5	18.2	18.8	17.8	13.9	16.6	22.5
Projected	2026	16.7	14.2	15.9	18.2	19.1	21.7	17.9	22.5	18.3	18.8	17.8	13.9	16.7	22.5
	2027	16.7	14.2	15.9	18.3	19.2	21.8	17.9	22.6	18.3	18.9	17.9	13.9	16.7	22.6
	2028	16.7	14.2	16.0	18.3	19.2	21.8	18.0	22.7	18.4	18.9	17.9	14.0	16.7	22.7
	2029	16.8	14.3	16.0	18.4	19.3	21.9	18.0	22.7	18.4	19.0	18.0	14.0	16.8	22.7
	2030	16.8	14.3	16.1	18.4	19.3	21.9	18.1	22.8	18.5	19.0	18.0	14.0	16.8	22.8
	2031	16.9	14.3	16.1	18.5	19.4	22.0	18.1	22.8	18.5	19.1	18.0	14.1	16.9	22.8
	2032	16.9	14.4	16.1	18.5	19.4	22.0	18.2	22.9	18.5	19.1	18.1	14.1	16.9	22.9
	2033	16.9	14.4	16.2	18.5	19.4	22.1	18.2	22.9	18.6	19.1	18.1	14.1	16.9	22.9
	2034	17.0	14.4	16.2	18.6	19.5	22.1	18.2	23.0	18.6	19.2	18.2	14.2	17.0	23.0
	2035	17.0	14.5	16.2	18.6	19.5	22.2	18.3	23.0	18.7	19.2	18.2	14.2	17.0	23.0
	2036	17.1	14.5	16.3	18.7	19.6	22.2	18.3	23.1	18.7	19.3	18.3	14.2	17.1	23.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	88.5%	97.3%	94.1%	99.7%	79.7%
	2016	95.9%	100.0%	88.2%	94.3%	97.2%	83.7%	87.1%	97.5%	82.3%	84.2%	79.3%	88.1%	80.6%	82.4%
Projected	2017	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2018	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2019	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2020	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2021	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2022	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2023	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2024	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2025	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
	2026	84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%
2007-2016		90.2%	87.1%	91.2%	90.3%	92.6%	84.5%	88.3%	90.7%	84.5%	84.9%	83.2%	87.4%	88.3%	82.6%
2017-2026		84.4%	85.6%	89.7%	95.5%	93.9%	81.6%	84.7%	93.2%	84.2%	84.2%	79.3%	88.1%	74.4%	84.8%

FMPA 2017 Load Forecast - Base Case - Clewiston

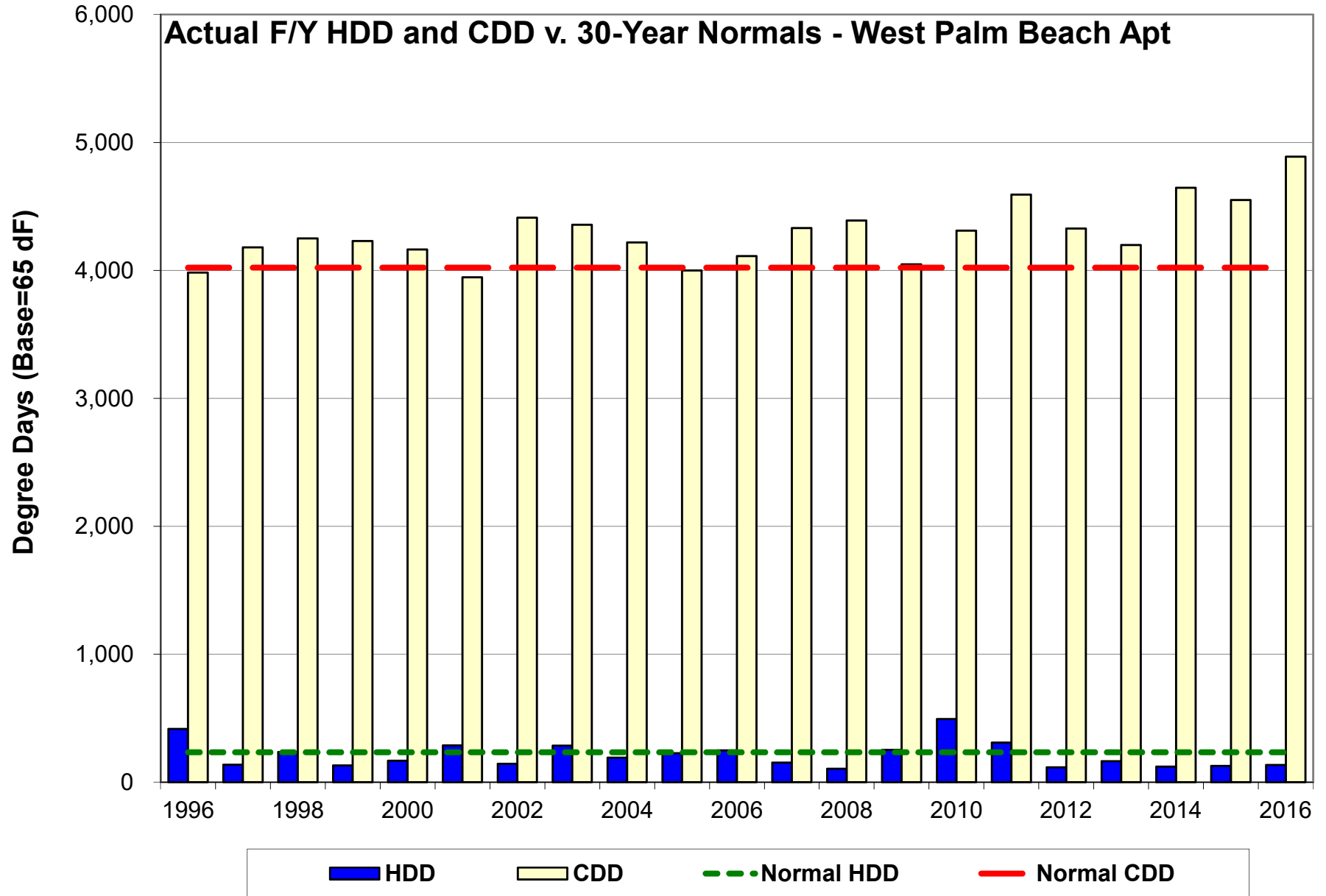
**Historical and Projected - Energy Sales by Customer Class**  
(Fiscal Year 2007-2036)

		Residential						General Service Non-Demand						General Service Demand						US Sugar		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)	(MWh)	% Chg	
Historical	2007	52,567		3,349		15,699		11,943		568		21.0		37,052		101		367		16,237		737		118,536		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	-6.7%
	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	-7.6%
	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	0.5%
	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	-2.7%
	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	-4.8%
	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	-2.5%
	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	4.0%
	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	0.9%
2016	51,631	2.9%	3,432	0.1%	15,043	2.8%	8,748	0.0%	471	-0.5%	18.6	0.6%	38,682	2.5%	132	1.8%	292	0.7%	2,080	24.1%	406	6.4%	101,547	2.8%	7,777		109,324	3.6%	
Projected	2017	48,997	-5.1%	3,436	0.1%	14,262	-5.2%	8,584	-1.9%	476	1.1%	18.0	-2.9%	37,121	-4.0%	133	0.6%	279	-4.6%	1,975	-5.0%	406	0.0%	97,084	-4.4%	7,273		104,357	-4.5%
	2018	49,269	0.6%	3,446	0.3%	14,299	0.3%	8,614	0.4%	482	1.2%	17.9	-0.8%	37,025	-0.3%	135	1.0%	275	-1.3%	1,975	0.0%	406	0.0%	97,290	0.2%	7,292		104,582	0.2%
	2019	49,465	0.4%	3,453	0.2%	14,324	0.2%	8,741	1.5%	486	0.8%	18.0	0.6%	37,101	0.2%	137	1.7%	271	-1.5%	1,975	0.0%	406	0.0%	97,688	0.4%	7,321		105,009	0.4%
	2020	49,613	0.3%	3,463	0.3%	14,327	0.0%	8,873	1.5%	489	0.6%	18.1	0.9%	37,182	0.2%	139	1.9%	267	-1.6%	1,975	0.0%	406	0.0%	98,050	0.4%	7,348		105,398	0.4%
	2021	49,742	0.3%	3,471	0.2%	14,332	0.0%	9,004	1.5%	492	0.5%	18.3	0.9%	37,261	0.2%	142	1.9%	262	-1.7%	1,975	0.0%	406	0.0%	98,388	0.3%	7,374		105,762	0.3%
	2022	49,894	0.3%	3,480	0.3%	14,337	0.0%	9,128	1.4%	494	0.5%	18.5	0.9%	37,335	0.2%	145	1.8%	258	-1.6%	1,975	0.0%	406	0.0%	98,739	0.4%	7,400		106,140	0.4%
	2023	49,995	0.2%	3,486	0.2%	14,343	0.0%	9,250	1.3%	496	0.4%	18.6	0.9%	37,407	0.2%	147	1.7%	254	-1.5%	1,975	0.0%	406	0.0%	99,033	0.3%	7,423		106,456	0.3%
	2024	50,092	0.2%	3,491	0.2%	14,348	0.0%	9,365	1.2%	498	0.4%	18.8	0.8%	37,474	0.2%	150	1.6%	250	-1.4%	1,975	0.0%	406	0.0%	99,312	0.3%	7,444		106,756	0.3%
	2025	50,159	0.1%	3,495	0.1%	14,351	0.0%	9,474	1.2%	500	0.4%	18.9	0.8%	37,537	0.2%	152	1.5%	247	-1.3%	1,975	0.0%	406	0.0%	99,552	0.2%	7,462		107,013	0.2%
	2026	50,203	0.1%	3,497	0.1%	14,356	0.0%	9,581	1.1%	502	0.4%	19.1	0.8%	37,599	0.2%	154	1.5%	244	-1.3%	1,975	0.0%	406	0.0%	99,764	0.2%	7,478		107,242	0.2%
	2027	50,295	0.2%	3,502	0.2%	14,360	0.0%	9,688	1.1%	504	0.4%	19.2	0.8%	37,659	0.2%	156	1.5%	241	-1.3%	1,975	0.0%	406	0.0%	100,023	0.3%	7,498		107,520	0.3%
	2028	50,387	0.2%	3,508	0.2%	14,364	0.0%	9,793	1.1%	505	0.3%	19.4	0.7%	37,718	0.2%	159	1.4%	238	-1.3%	1,975	0.0%	406	0.0%	100,280	0.3%	7,517		107,797	0.3%
	2029	50,475	0.2%	3,513	0.2%	14,367	0.0%	9,899	1.1%	507	0.3%	19.5	0.7%	37,777	0.2%	161	1.4%	235	-1.2%	1,975	0.0%	406	0.0%	100,533	0.3%	7,536		108,069	0.3%
	2030	50,558	0.2%	3,519	0.2%	14,368	0.0%	10,005	1.1%	509	0.3%	19.7	0.7%	37,836	0.2%	163	1.4%	232	-1.2%	1,975	0.0%	406	0.0%	100,779	0.2%	7,555		108,334	0.2%
	2031	50,634	0.2%	3,524	0.2%	14,368	0.0%	10,109	1.0%	510	0.3%	19.8	0.7%	37,892	0.1%	165	1.4%	229	-1.2%	1,975	0.0%	406	0.0%	101,017	0.2%	7,573		108,589	0.2%
	2032	50,709	0.1%	3,529	0.2%	14,368	0.0%	10,216	1.1%	512	0.3%	19.9	0.7%	37,950	0.2%	168	1.4%	226	-1.2%	1,975	0.0%	406	0.0%	101,257	0.2%	7,591		108,848	0.2%
	2033	50,760	0.1%	3,533	0.1%	14,367	0.0%	10,327	1.1%	514	0.3%	20.1	0.7%	38,010	0.2%	170	1.4%	223	-1.3%	1,975	0.0%	406	0.0%	101,478	0.2%	7,608		109,086	0.2%
2034	50,792	0.1%	3,535	0.0%	14,369	0.0%	10,438	1.1%	516	0.3%	20.2	0.7%	38,069	0.2%	173	1.4%	221	-1.2%	1,975	0.0%	406	0.0%	101,680	0.2%	7,623		109,304	0.2%	
2035	50,873	0.2%	3,540	0.1%	14,371	0.0%	10,552	1.1%	517	0.3%	20.4	0.7%	38,129	0.2%	175	1.4%	218	-1.3%	1,975	0.0%	406	0.0%	101,935	0.2%	7,643		109,577	0.3%	
2036	50,956	0.2%	3,545	0.1%	14,373	0.0%	10,667	1.1%	519	0.3%	20.5	0.7%	38,189	0.2%	178	1.4%	215	-1.3%	1,975	0.0%	406	0.0%	102,194	0.3%	7,662		109,856	0.3%	
CAGR	2007-2016		-0.2%		0.3%		-0.5%		-3.4%		-2.1%		-1.4%		0.5%		3.1%		-2.5%		-20.4%		-6.4%		-1.7%			-1.8%	
	2017-2026		0.3%		0.2%		0.1%		1.2%		0.6%		0.6%		0.1%		1.6%		-1.5%		0.0%		0.0%		0.3%			0.3%	
	2027-2036		0.1%		0.1%		0.0%		1.1%		0.3%		0.7%		0.2%		1.4%		-1.2%		0.0%		0.0%		0.2%			0.2%	

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	32.7	-	10.1	-	17.3	-	1.14	-	930	-	727	-	71,880	-
1997	34.0	3.9%	10.4	3.1%	18.5	6.8%	1.19	4.0%	963	3.6%	763	4.9%	73,112	1.7%
1998	34.6	1.8%	10.5	0.9%	18.3	-0.8%	1.02	-13.9%	939	-2.5%	847	10.9%	80,366	9.9%
1999	35.7	3.1%	10.8	2.3%	17.8	-2.6%	1.18	15.0%	939	0.0%	864	2.0%	80,133	-0.3%
2000	36.3	1.7%	10.9	1.2%	17.7	-0.7%	1.22	4.1%	964	2.6%	881	2.0%	80,729	0.7%
2001	36.1	-0.6%	11.0	0.7%	17.1	-3.7%	1.16	-5.2%	1,024	6.2%	910	3.4%	82,856	2.6%
2002	36.1	0.1%	11.1	1.1%	16.4	-3.7%	1.12	-3.2%	993	-3.0%	914	0.4%	82,247	-0.7%
2003	36.2	0.3%	11.3	1.5%	16.5	0.4%	1.15	2.4%	950	-4.4%	870	-4.8%	77,165	-6.2%
2004	37.0	2.1%	11.6	2.8%	17.5	6.1%	1.17	1.9%	978	3.0%	883	1.5%	76,211	-1.2%
2005	38.3	3.5%	12.0	3.9%	18.5	6.0%	1.26	7.8%	1,054	7.8%	929	5.2%	77,143	1.2%
2006	38.8	1.4%	12.2	1.2%	19.4	4.4%	1.13	-10.4%	1,042	-1.1%	978	5.3%	80,229	4.0%
2007	39.1	0.6%	12.2	0.2%	20.1	3.5%	1.25	10.7%	1,059	1.6%	989	1.1%	80,974	0.9%
2008	39.2	0.3%	12.2	-0.2%	19.1	-4.9%	1.01	-19.5%	1,023	-3.4%	936	-5.3%	76,855	-5.1%
2009	39.0	-0.3%	12.1	-0.8%	18.2	-4.7%	1.05	3.9%	949	-7.3%	957	2.3%	79,249	3.1%
2010	39.0	0.0%	12.0	-0.7%	18.0	-1.0%	0.42	-60.3%	939	-1.0%	1,024	7.0%	85,360	7.7%
2011	38.8	-0.6%	11.8	-1.8%	18.2	1.3%	0.40	-2.9%	944	0.5%	986	-3.8%	83,696	-1.9%
2012	37.7	-2.9%	11.3	-3.8%	18.6	1.8%	0.43	7.3%	927	-1.8%	989	0.3%	87,242	4.2%
2013	37.7	0.2%	11.4	0.5%	19.7	6.1%	0.45	3.7%	963	3.8%	1,033	4.5%	92,204	5.7%
2014	38.5	2.0%	11.5	1.2%	20.0	1.6%	0.47	3.8%	937	-2.7%	1,001	-3.1%	88,145	-4.4%
2015	39.0	1.4%	11.7	1.5%	19.8	-1.3%	0.48	4.0%	928	-0.9%	1,045	4.4%	90,773	3.0%
2016	39.6	1.5%	11.9	1.6%	20.7	4.5%	0.55	12.9%	1,042	12.2%	1,080	3.3%	92,313	1.7%
2017	40.2	1.5%	12.1	1.5%	21.0	1.5%	0.55	0.6%	1,079	3.6%	1,109	2.7%	93,424	1.2%
2018	40.8	1.4%	12.2	1.4%	21.3	1.3%	0.56	1.2%	1,119	3.7%	1,142	2.9%	94,848	1.5%
2019	41.3	1.3%	12.4	1.2%	21.5	1.3%	0.57	1.6%	1,153	3.0%	1,175	2.9%	96,444	1.7%
2020	41.8	1.2%	12.5	1.1%	21.8	1.1%	0.57	1.4%	1,183	2.5%	1,209	2.9%	98,078	1.7%
2021	42.3	1.2%	12.7	1.1%	22.0	1.0%	0.57	-0.2%	1,211	2.4%	1,241	2.7%	99,644	1.6%
2022	42.8	1.1%	12.8	0.9%	22.2	1.1%	0.56	-1.6%	1,241	2.5%	1,273	2.5%	101,209	1.6%
2023	43.2	1.1%	12.9	0.8%	22.5	1.1%	0.55	-2.0%	1,269	2.3%	1,304	2.5%	102,832	1.6%
2024	43.7	1.0%	13.0	0.7%	22.7	0.9%	0.54	-1.9%	1,290	1.7%	1,333	2.3%	104,398	1.5%
2025	44.1	0.9%	13.0	0.6%	22.9	0.8%	0.53	-1.9%	1,310	1.5%	1,362	2.1%	106,024	1.6%
2026	44.4	0.9%	13.1	0.6%	23.1	0.9%	0.52	-1.7%	1,332	1.7%	1,391	2.1%	107,680	1.6%
2027	44.8	0.8%	13.2	0.5%	23.2	0.8%	0.52	-1.5%	1,354	1.6%	1,420	2.1%	109,366	1.6%
2028	45.2	0.8%	13.3	0.8%	23.4	0.8%	0.51	-1.4%	1,378	1.8%	1,449	2.1%	110,795	1.3%
2029	45.6	0.8%	13.4	0.7%	23.6	0.8%	0.50	-1.1%	1,405	2.0%	1,479	2.1%	112,263	1.3%
2030	45.9	0.8%	13.5	0.7%	23.8	0.8%	0.50	-1.0%	1,432	1.9%	1,508	2.0%	113,680	1.3%
2031	46.3	0.8%	13.6	0.7%	24.0	1.0%	0.49	-1.3%	1,465	2.3%	1,538	2.0%	115,185	1.3%
2032	46.6	0.7%	13.7	0.6%	24.3	1.1%	0.48	-1.5%	1,500	2.4%	1,570	2.1%	116,855	1.4%
2033	46.9	0.7%	13.7	0.6%	24.5	0.9%	0.48	-1.5%	1,533	2.1%	1,602	2.0%	118,538	1.4%
2034	47.2	0.7%	13.8	0.6%	24.8	0.8%	0.47	-1.5%	1,563	2.0%	1,635	2.1%	120,250	1.4%
2035	47.5	0.6%	13.9	0.6%	25.0	0.9%	0.46	-2.0%	1,594	2.0%	1,669	2.1%	122,025	1.5%
2036	47.8	0.6%	14.0	0.7%	25.2	0.9%	0.45	-2.0%	1,627	2.0%	1,704	2.1%	123,743	1.4%
Average Percent Change														
2006-2016				-0.3%		0.7%		-7.0%		0.0%		1.0%		1.4%
2017-2026				0.9%		1.1%		-0.6%		2.4%		2.5%		1.6%
2027-2036				0.6%		0.9%		-1.5%		2.0%		2.1%		1.4%



Fort Meade

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FMPA 2017 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	2007	45,942	-	45,579	-	-0.8%	10.6	-	12.3	-	15.5%	9.9	-	9.9		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%
	2016	43,483	1.6%	41,529	-0.8%	-4.5%	9.5	-10.2%	10.6	2.2%	11.4%	9.4	0.5%	9.3	0.2%	-0.7%
Projected	2017	39,578	-9.0%	39,578	-4.7%		10.1	6.0%	10.1	-4.9%		8.1	-13.5%	8.1	-12.9%	
	2018			39,735	0.4%				10.2	0.5%				8.2	0.5%	
	2019			39,988	0.6%				10.2	0.6%				8.2	0.6%	
	2020			40,329	0.9%				10.3	0.8%				8.3	0.8%	
	2021			40,500	0.4%				10.4	0.4%				8.3	0.4%	
	2022			40,580	0.2%				10.4	0.0%				8.3	0.0%	
	2023			40,586	0.0%				10.4	0.0%				8.3	0.0%	
	2024			40,618	0.1%				10.4	0.0%				8.3	0.0%	
	2025			40,573	-0.1%				10.4	0.0%				8.3	0.0%	
	2026			40,603	0.1%				10.4	0.0%				8.3	0.0%	
	2027			40,607	0.0%				10.4	0.0%				8.3	0.0%	
	2028			40,639	0.1%				10.4	0.0%				8.3	0.0%	
	2029			40,592	-0.1%				10.4	0.0%				8.3	0.0%	
	2030			40,622	0.1%				10.4	0.0%				8.3	0.0%	
	2031			40,625	0.0%				10.4	0.0%				8.3	0.0%	
	2032			40,656	0.1%				10.4	0.0%				8.3	0.0%	
	2033			40,610	-0.1%				10.4	0.0%				8.3	0.0%	
	2034			40,638	0.1%				10.4	0.0%				8.3	0.0%	
	2035			40,642	0.0%				10.4	0.0%				8.3	0.0%	
	2036			40,674	0.1%				10.4	0.0%				8.3	0.0%	
CAGR <sup>[3]</sup>	2007-2016		-0.6%		-1.0%			-1.2%		-1.6%			-0.6%		-0.7%	
	2017-2026				0.3%					0.3%					0.3%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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 2017 Load Forecast - Base Case**  
**Ft. Meade (Forecast Limited by the CROD)\***  
**2017 v. 2016 (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	2007	45,942	-	45,942	-	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%	42,783	2.9%	11.1	9.5	11.1	9.5	10.6	9.4	10.6	9.4
	2016	43,483	1.6%	39,330	-8.1%	9.7	9.5	10.4	8.8	9.5	9.4	10.3	8.0
Projected	2017	39,578	-9.0%	39,343	0.0%	10.4	8.9	10.4	8.9	10.1	8.1	10.4	8.0
	2018	39,735	0.4%	39,410	0.2%	10.4	9.0	10.4	8.9	10.2	8.2	10.4	8.0
	2019	39,988	0.6%	39,418	0.0%	10.4	9.0	10.4	8.9	10.2	8.2	10.4	8.0
	2020	40,329	0.9%	39,451	0.1%	10.4	9.1	10.4	8.9	10.3	8.3	10.4	8.0
	2021	40,500	0.4%	39,409	-0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2022	40,580	0.2%	39,441	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2023	40,586	0.0%	39,446	0.0%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2024	40,618	0.1%	39,477	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2025	40,573	-0.1%	39,436	-0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2026	40,603	0.1%	39,464	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2027	40,607	0.0%	39,471	0.0%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2028	40,639	0.1%	39,503	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2029	40,592	-0.1%	39,462	-0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2030	40,622	0.1%	39,490	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2031	40,625	0.0%	39,494	0.0%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2032	40,656	0.1%	39,522	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2033	40,610	-0.1%	39,479	-0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2034	40,638	0.1%	39,505	0.1%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2035	40,642	0.0%	39,512	0.0%	10.4	9.1	10.4	8.9	10.4	8.3	10.4	8.0
	2036	40,674	0.1%			10.4	9.1			10.4	8.3		
CAGR <sup>[1]</sup>	Historical		-0.6%		-0.9%	-1.4%	-0.6%	0.1%	-0.7%	-2.6%	0.4%	-1.5%	0.4%
	1st 10 Prj Yrs		0.3%		0.0%	0.0%	0.3%	0.0%	0.0%	0.3%	0.3%	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 2017 Load Forecast - Base Case**  
**Ft. Meade (Forecast Limited by the CROD)**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	3,439	3,277	3,226	43,258	42,783
	2016	3,393	3,091	3,105	3,230	3,814	4,143	4,383	4,308	4,074	3,257	2,835	3,040	42,673	43,483
Projected	2017	3,282	2,634	2,835	2,869	3,564	3,656	3,877	3,952	3,777	3,241	2,839	3,054	39,580	39,578
	2018	3,295	2,644	2,848	2,883	3,582	3,675	3,899	3,975	3,799	3,260	2,856	3,073	39,790	39,735
	2019	3,316	2,661	2,866	2,900	3,604	3,699	3,926	4,002	3,825	3,282	2,874	3,093	40,047	39,988
	2020	3,338	2,759	2,884	2,918	3,626	3,724	3,952	4,029	3,850	3,303	2,891	3,112	40,387	40,329
	2021	3,360	2,696	2,902	2,936	3,648	3,747	3,978	4,055	3,874	3,323	2,908	3,131	40,556	40,500
	2022	3,381	2,696	2,902	2,935	3,647	3,747	3,979	4,056	3,874	3,324	2,908	3,131	40,580	40,580
	2023	3,382	2,697	2,902	2,935	3,647	3,748	3,981	4,057	3,875	3,324	2,908	3,131	40,586	40,586
	2024	3,382	2,773	2,897	2,929	3,640	3,742	3,974	4,051	3,868	3,318	2,901	3,124	40,599	40,618
	2025	3,376	2,698	2,903	2,935	3,647	3,750	3,984	4,060	3,877	3,325	2,907	3,130	40,592	40,573
Projected	2026	3,383	2,699	2,903	2,934	3,647	3,751	3,985	4,061	3,877	3,325	2,906	3,130	40,603	40,603
	2027	3,384	2,699	2,903	2,934	3,647	3,751	3,986	4,062	3,878	3,326	2,906	3,131	40,608	40,607
	2028	3,385	2,775	2,897	2,928	3,640	3,744	3,980	4,056	3,871	3,319	2,900	3,124	40,620	40,639
	2029	3,379	2,700	2,903	2,934	3,647	3,752	3,989	4,065	3,880	3,327	2,906	3,131	40,611	40,592
	2030	3,386	2,701	2,903	2,933	3,646	3,753	3,990	4,066	3,880	3,327	2,905	3,130	40,621	40,622
	2031	3,386	2,701	2,903	2,933	3,646	3,754	3,991	4,067	3,881	3,327	2,905	3,130	40,625	40,625
	2032	3,387	2,777	2,898	2,927	3,639	3,747	3,985	4,060	3,874	3,321	2,899	3,124	40,638	40,656
	2033	3,381	2,703	2,904	2,933	3,646	3,755	3,994	4,069	3,882	3,328	2,904	3,130	40,629	40,610
	2034	3,388	2,703	2,904	2,933	3,646	3,755	3,995	4,070	3,882	3,328	2,904	3,130	40,638	40,638
Projected	2035	3,388	2,703	2,904	2,932	3,646	3,756	3,996	4,071	3,883	3,329	2,904	3,131	40,643	40,642
	2036	3,389	2,779	2,898	2,927	3,639	3,749	3,989	4,064	3,876	3,322	2,898	3,124	40,656	40,674

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.3%	7.0%	7.5%	8.4%	9.4%	9.4%	9.4%	9.4%	9.0%	7.9%	7.6%	7.5%	100.0%
Projected	2016	8.0%	7.2%	7.3%	7.6%	8.9%	9.7%	10.3%	10.1%	9.5%	7.6%	6.6%	7.1%	100.0%
	2017	8.3%	6.7%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2018	8.3%	6.6%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2019	8.3%	6.6%	7.2%	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%	6.6%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.6%	8.2%	7.2%	7.7%	100.0%
	2022	8.3%	6.6%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.7%	100.0%
	2023	8.3%	6.6%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	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%	7.1%	7.7%	100.0%
Avg.	2007-2016	8.1%	7.1%	7.3%	7.6%	9.1%	9.4%	9.6%	10.0%	9.2%	8.1%	6.9%	7.6%	100.0%
	2017-2026	8.3%	6.7%	7.2%	7.2%	9.0%	9.2%	9.8%	10.0%	9.5%	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 2017 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	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	8.3	7.8	6.8	11.1	9.5
	2016	9.7	9.5	7.4	8.2	8.4	9.2	9.5	9.5	8.8	8.1	7.0	7.6	9.7	9.5
Projected	2017	10.4	9.0	6.5	7.1	8.3	8.6	8.4	8.9	8.1	7.8	7.0	7.6	10.4	8.9
	2018	10.4	9.0	6.5	7.1	8.3	8.6	8.5	9.0	8.1	7.8	7.1	7.7	10.4	9.0
	2019	10.4	9.1	6.5	7.2	8.4	8.7	8.5	9.0	8.2	7.9	7.1	7.8	10.4	9.0
	2020	10.4	9.2	6.6	7.2	8.4	8.8	8.6	9.1	8.3	7.9	7.1	7.8	10.4	9.1
	2021	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2022	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2023	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.9	10.4	9.1
	2024	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2025	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
Projected	2026	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2027	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2028	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2029	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2030	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2031	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2032	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2033	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2034	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2035	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1
	2036	10.4	9.2	6.6	7.3	8.5	8.8	8.6	9.1	8.3	8.0	7.2	7.8	10.4	9.1

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	55.4%	56.2%	65.4%	44.5%	51.9%
	2016	47.0%	46.5%	56.1%	53.1%	67.5%	60.7%	64.1%	60.8%	64.3%	54.2%	54.6%	55.5%	50.2%	51.2%
Projected	2017	42.6%	43.7%	59.0%	54.3%	64.2%	57.1%	63.8%	59.7%	64.7%	55.9%	54.5%	55.5%	43.6%	50.7%
	2018	42.7%	43.6%	59.0%	54.3%	64.2%	57.1%	63.8%	59.7%	64.8%	56.0%	54.4%	55.5%	43.8%	50.8%
	2019	43.0%	43.6%	59.0%	54.3%	64.2%	57.1%	63.9%	59.7%	64.8%	56.0%	54.3%	55.4%	44.1%	50.8%
	2020	43.3%	43.3%	58.9%	54.2%	64.1%	57.0%	63.8%	59.6%	64.7%	55.9%	54.4%	55.5%	44.5%	50.8%
	2021	43.6%	43.6%	59.0%	54.3%	64.2%	57.2%	63.9%	59.8%	64.8%	56.0%	54.4%	55.5%	44.7%	50.8%
	2022	43.9%	43.7%	59.0%	54.2%	64.2%	57.2%	63.9%	59.8%	64.8%	56.0%	54.4%	55.5%	44.7%	50.8%
	2023	43.9%	43.7%	59.0%	54.2%	64.2%	57.2%	64.0%	59.8%	64.8%	56.0%	54.3%	55.4%	44.7%	50.8%
	2024	43.9%	43.3%	58.9%	54.1%	64.0%	57.1%	63.9%	59.7%	64.7%	55.9%	54.4%	55.5%	44.7%	50.8%
	2025	43.8%	43.7%	59.0%	54.2%	64.2%	57.2%	64.0%	59.8%	64.9%	56.0%	54.4%	55.5%	44.7%	50.8%
Avg.	2007-2016	46.0%	46.8%	55.2%	56.9%	67.0%	59.1%	63.7%	62.4%	62.8%	57.7%	55.3%	56.5%	43.8%	52.0%
	2017-2026	43.5%	43.6%	59.0%	54.2%	64.2%	57.1%	63.9%	59.7%	64.8%	56.0%	54.4%	55.5%	44.4%	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 2017 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	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	8.2	7.8	6.2	10.6	9.4
	2016	9.4	9.5	7.4	8.0	8.0	8.3	9.4	9.3	8.6	7.6	6.3	7.3	9.5	9.4
Projected	2017	10.1	8.9	6.1	6.5	7.8	8.1	7.7	8.1	7.7	7.3	6.4	7.3	10.1	8.1
	2018	10.2	8.9	6.1	6.6	7.9	8.1	7.8	8.2	7.7	7.3	6.4	7.4	10.2	8.2
	2019	10.2	9.0	6.1	6.6	7.9	8.1	7.8	8.2	7.8	7.4	6.5	7.4	10.2	8.2
	2020	10.3	9.0	6.2	6.6	8.0	8.2	7.9	8.3	7.8	7.4	6.5	7.5	10.3	8.3
	2021	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2022	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2023	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2024	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2025	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
Projected	2026	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2027	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2028	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2029	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2030	10.4	9.1	6.2	6.7	8.0	8.2	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2031	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2032	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2033	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2034	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2035	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3
	2036	10.4	9.1	6.2	6.7	8.0	8.3	7.9	8.3	7.9	7.5	6.5	7.5	10.4	8.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.0%	100.0%	91.0%	95.8%	98.3%
	2016	96.6%	100.0%	100.0%	98.3%	95.4%	90.9%	99.0%	97.6%	97.7%	93.6%	90.8%	95.6%	98.3%	98.8%
Projected	2017	97.7%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	97.7%	91.3%
	2018	98.2%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	98.2%	91.3%
	2019	98.8%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	98.8%	91.3%
	2020	99.6%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	99.6%	91.3%
	2021	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
	2022	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
	2023	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
	2024	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
	2025	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
	2026	100.0%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	100.0%	91.3%
2007-2016		97.1%	97.0%	94.4%	93.2%	94.5%	95.8%	93.0%	93.6%	95.8%	95.3%	91.8%	93.4%	96.5%	92.5%
2017-2026		99.4%	98.8%	94.1%	91.8%	94.9%	93.6%	91.4%	91.3%	94.7%	93.6%	90.8%	95.6%	99.4%	91.3%

\* 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 2017 Load Forecast - Base Case  
**Ft. Meade (Full Requirements Forecast)**  
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)				
		Year		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)
Historical	2007	45,942	-	45,579	-	-0.8%	10.6	-	12.3	-	15.5%	9.9	-	9.9		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%
	2016	43,483	1.6%	41,529	-0.8%	-4.5%	9.5	-10.2%	10.6	2.2%	11.4%	9.4	0.5%	9.3	0.2%	-0.7%
Projected	2017	41,885	-3.7%	41,885	0.9%		10.4	9.1%	10.4	-2.0%		8.4	-10.4%	8.4	-9.8%	
	2018			42,042	0.4%				10.5	0.5%				8.5	0.5%	
	2019			42,295	0.6%				10.5	0.6%				8.5	0.6%	
	2020			42,636	0.8%				10.6	0.8%				8.6	0.8%	
	2021			42,810	0.4%				10.7	0.4%				8.6	0.4%	
	2022			43,060	0.6%				10.7	0.6%				8.7	0.6%	
	2023			43,308	0.6%				10.8	0.6%				8.7	0.6%	
	2024			43,628	0.7%				10.9	0.7%				8.8	0.7%	
	2025			43,773	0.3%				10.9	0.3%				8.8	0.3%	
	2026			43,995	0.5%				11.0	0.5%				8.9	0.5%	
	2027			44,214	0.5%				11.0	0.5%				8.9	0.5%	
	2028			44,517	0.7%				11.1	0.7%				9.0	0.7%	
	2029			44,647	0.3%				11.1	0.3%				9.0	0.3%	
	2030			44,857	0.5%				11.2	0.5%				9.0	0.5%	
	2031			45,058	0.4%				11.2	0.4%				9.1	0.4%	
	2032			45,344	0.6%				11.3	0.6%				9.1	0.6%	
	2033			45,453	0.2%				11.3	0.2%				9.1	0.2%	
	2034			45,641	0.4%				11.4	0.4%				9.2	0.4%	
2035			45,830	0.4%				11.4	0.4%				9.2	0.4%		
2036			46,107	0.6%				11.5	0.6%				9.3	0.6%		
CAGR <sup>[3]</sup>	2007-2016		-0.6%		-1.0%			-1.2%		-1.6%			-0.6%		-0.7%	
	2017-2026				0.5%					0.6%					0.6%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Ft. Meade (Full Requirements Forecast)**  
**2017 v. 2016 (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	2007	45,942	-	45,942	-	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%	42,783	2.9%	11.1	9.5	11.1	9.5	10.6	9.4	10.6	9.4
	2016	43,483	1.6%	41,637	-2.7%	9.7	9.5	11.1	9.1	9.5	9.4	10.6	8.3
Projected	2017	41,885	-3.7%	41,665	0.1%	10.9	9.2	11.1	9.2	10.4	8.4	10.7	8.3
	2018	42,042	0.4%	41,904	0.6%	11.0	9.2	11.2	9.2	10.5	8.5	10.7	8.4
	2019	42,295	0.6%	42,163	0.6%	11.0	9.3	11.2	9.3	10.5	8.5	10.8	8.4
	2020	42,636	0.8%	42,506	0.8%	11.1	9.4	11.3	9.3	10.6	8.6	10.9	8.5
	2021	42,810	0.4%	42,696	0.4%	11.2	9.4	11.4	9.4	10.7	8.6	10.9	8.5
	2022	43,060	0.6%	42,962	0.6%	11.2	9.5	11.4	9.4	10.7	8.7	11.0	8.6
	2023	43,308	0.6%	43,225	0.6%	11.3	9.5	11.5	9.5	10.8	8.7	11.1	8.6
	2024	43,628	0.7%	43,566	0.8%	11.4	9.6	11.6	9.6	10.9	8.8	11.2	8.7
	2025	43,773	0.3%	43,750	0.4%	11.4	9.6	11.7	9.6	10.9	8.8	11.2	8.7
	2026	43,995	0.5%	44,011	0.6%	11.5	9.7	11.7	9.7	11.0	8.9	11.3	8.8
	2027	44,214	0.5%	44,269	0.6%	11.5	9.7	11.8	9.7	11.0	8.9	11.3	8.8
	2028	44,517	0.7%	44,603	0.8%	11.6	9.8	11.9	9.8	11.1	9.0	11.4	8.9
	2029	44,647	0.3%	44,772	0.4%	11.6	9.8	11.9	9.8	11.1	9.0	11.5	8.9
	2030	44,857	0.5%	45,016	0.5%	11.7	9.9	12.0	9.9	11.2	9.0	11.5	9.0
	2031	45,058	0.4%	45,251	0.5%	11.8	9.9	12.1	9.9	11.2	9.1	11.6	9.0
	2032	45,344	0.6%	45,560	0.7%	11.8	10.0	12.1	10.0	11.3	9.1	11.7	9.1
	2033	45,453	0.2%	45,699	0.3%	11.9	10.0	12.2	10.0	11.3	9.1	11.7	9.1
	2034	45,641	0.4%	45,920	0.5%	11.9	10.0	12.2	10.1	11.4	9.2	11.8	9.2
	2035	45,830	0.4%	46,142	0.5%	12.0	10.1	12.3	10.1	11.4	9.2	11.8	9.2
	2036	46,107	0.6%			12.0	10.1			11.5	9.3		
CAGR <sup>[1]</sup>	Historical		-0.6%		-0.9%	-1.4%	-0.6%	0.1%	-0.7%	-2.6%	0.4%	-1.5%	0.4%
	1st 10 Prj Yrs		0.5%		0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
	2nd 10 Prj Yrs		0.5%		0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Ft. Meade (Full Requirements Forecast)**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	3,439	3,277	3,226	43,258	42,783
	2016	3,393	3,091	3,105	3,230	3,814	4,143	4,383	4,308	4,074	3,450	3,029	3,241	43,261	43,483
Projected	2017	3,482	2,815	3,036	3,056	3,757	3,842	4,070	4,145	3,963	3,434	3,033	3,255	41,887	41,885
	2018	3,495	2,825	3,049	3,069	3,774	3,862	4,092	4,168	3,986	3,453	3,050	3,273	42,097	42,042
	2019	3,516	2,842	3,066	3,087	3,797	3,886	4,119	4,195	4,011	3,475	3,068	3,293	42,354	42,295
	2020	3,539	2,940	3,085	3,105	3,819	3,910	4,145	4,222	4,036	3,496	3,085	3,313	42,694	42,636
	2021	3,560	2,877	3,103	3,122	3,841	3,934	4,171	4,248	4,061	3,516	3,103	3,331	42,867	42,810
	2022	3,582	2,894	3,120	3,140	3,863	3,957	4,197	4,274	4,085	3,537	3,120	3,350	43,117	43,060
	2023	3,603	2,910	3,138	3,157	3,884	3,980	4,222	4,299	4,108	3,557	3,137	3,369	43,363	43,308
	2024	3,623	3,008	3,154	3,173	3,905	4,002	4,245	4,323	4,131	3,576	3,152	3,386	43,680	43,628
	2025	3,643	2,942	3,170	3,189	3,924	4,023	4,269	4,347	4,153	3,594	3,168	3,403	43,824	43,773
Projected	2026	3,662	2,957	3,186	3,204	3,944	4,044	4,291	4,369	4,174	3,612	3,183	3,420	44,044	43,995
	2027	3,680	2,971	3,201	3,219	3,963	4,064	4,313	4,392	4,195	3,631	3,198	3,436	44,265	44,214
	2028	3,699	3,070	3,216	3,235	3,981	4,084	4,336	4,414	4,216	3,648	3,213	3,453	44,565	44,517
	2029	3,717	3,000	3,231	3,249	4,000	4,104	4,357	4,437	4,237	3,666	3,228	3,469	44,695	44,647
	2030	3,736	3,014	3,246	3,264	4,018	4,124	4,379	4,458	4,257	3,682	3,242	3,484	44,902	44,857
	2031	3,753	3,028	3,260	3,278	4,035	4,142	4,399	4,479	4,276	3,699	3,255	3,499	45,104	45,058
	2032	3,770	3,127	3,274	3,292	4,053	4,161	4,419	4,499	4,295	3,715	3,269	3,514	45,389	45,344
	2033	3,787	3,054	3,288	3,305	4,070	4,179	4,439	4,519	4,314	3,731	3,282	3,529	45,496	45,453
	2034	3,803	3,067	3,301	3,318	4,086	4,196	4,458	4,539	4,332	3,746	3,295	3,543	45,683	45,641
Projected	2035	3,818	3,080	3,314	3,331	4,102	4,214	4,478	4,558	4,350	3,762	3,308	3,557	45,873	45,830
	2036	3,835	3,179	3,328	3,344	4,119	4,232	4,497	4,578	4,369	3,777	3,321	3,572	46,150	46,107

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.3%	7.0%	7.5%	8.4%	9.4%	9.4%	9.4%	9.4%	9.0%	7.9%	7.6%	7.5%	100.0%
	2016	7.8%	7.1%	7.2%	7.5%	8.8%	9.6%	10.1%	10.0%	9.4%	8.0%	7.0%	7.5%	100.0%
Projected	2017	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2018	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2019	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2020	8.3%	6.9%	7.2%	7.3%	8.9%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2021	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2022	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2023	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2024	8.3%	6.9%	7.2%	7.3%	8.9%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2025	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
Avg.	2007-2016	8.1%	7.1%	7.3%	7.6%	9.1%	9.4%	9.6%	10.0%	9.2%	8.2%	6.9%	7.7%	100.0%
	2017-2026	8.3%	6.7%	7.2%	7.3%	9.0%	9.2%	9.7%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%

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FMPA 2017 Load Forecast - Base Case  
**Ft. Meade (Full Requirements Forecast)**  
**Monthly Non-Coincident Peak Demand (MW)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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	8.3	7.8	6.8	11.1	9.5
	2016	9.7	9.5	7.4	8.2	8.4	9.2	9.5	9.5	8.8	8.4	7.3	7.9	9.7	9.5
Projected	2017	10.9	9.3	6.8	7.4	8.6	8.9	8.7	9.2	8.4	8.1	7.3	8.0	10.9	9.2
	2018	11.0	9.3	6.8	7.4	8.6	8.9	8.8	9.2	8.4	8.1	7.4	8.0	11.0	9.2
	2019	11.0	9.4	6.8	7.5	8.6	9.0	8.8	9.3	8.5	8.2	7.4	8.1	11.0	9.3
	2020	11.1	9.5	6.9	7.5	8.7	9.1	8.9	9.4	8.6	8.2	7.4	8.1	11.1	9.4
	2021	11.2	9.5	6.9	7.6	8.8	9.1	8.9	9.4	8.6	8.3	7.5	8.1	11.2	9.4
	2022	11.2	9.5	7.0	7.6	8.8	9.2	9.0	9.5	8.6	8.3	7.5	8.2	11.2	9.5
	2023	11.3	9.6	7.0	7.7	8.9	9.2	9.0	9.5	8.7	8.4	7.6	8.2	11.3	9.5
	2024	11.4	9.7	7.0	7.7	8.9	9.3	9.1	9.6	8.8	8.4	7.6	8.3	11.4	9.6
	2025	11.4	9.7	7.1	7.7	8.9	9.3	9.1	9.6	8.8	8.5	7.6	8.3	11.4	9.6
Projected	2027	11.5	9.8	7.1	7.8	9.0	9.4	9.2	9.7	8.8	8.5	7.7	8.4	11.5	9.7
	2028	11.6	9.9	7.2	7.9	9.1	9.5	9.3	9.8	8.9	8.6	7.8	8.4	11.6	9.8
	2029	11.6	9.9	7.2	7.9	9.1	9.5	9.3	9.8	9.0	8.6	7.8	8.5	11.6	9.8
	2030	11.7	9.9	7.2	7.9	9.2	9.5	9.4	9.9	9.0	8.7	7.8	8.5	11.7	9.9
	2031	11.8	10.0	7.3	8.0	9.2	9.6	9.4	9.9	9.0	8.7	7.9	8.6	11.8	9.9
	2032	11.8	10.1	7.3	8.0	9.3	9.6	9.5	10.0	9.1	8.8	7.9	8.6	11.8	10.0
	2033	11.9	10.1	7.3	8.0	9.3	9.7	9.5	10.0	9.1	8.8	7.9	8.6	11.9	10.0
	2034	11.9	10.1	7.4	8.1	9.3	9.7	9.5	10.0	9.2	8.8	8.0	8.7	11.9	10.0
	2035	12.0	10.2	7.4	8.1	9.4	9.7	9.6	10.1	9.2	8.9	8.0	8.7	12.0	10.1
	2036	12.0	10.2	7.4	8.1	9.4	9.8	9.6	10.1	9.3	8.9	8.0	8.7	12.0	10.1

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	55.4%	56.2%	65.4%	44.5%	51.9%
	2016	47.0%	46.5%	56.1%	53.1%	67.5%	60.7%	64.1%	60.8%	64.3%	55.4%	56.0%	56.9%	50.9%	51.9%
Projected	2017	42.9%	45.2%	60.4%	55.6%	65.4%	58.1%	64.7%	60.6%	65.6%	57.1%	55.8%	56.9%	43.8%	52.0%
	2018	42.8%	45.1%	60.3%	55.5%	65.4%	58.1%	64.8%	60.6%	65.6%	57.1%	55.7%	56.8%	43.8%	52.0%
	2019	42.8%	45.1%	60.3%	55.5%	65.3%	58.1%	64.8%	60.6%	65.6%	57.2%	55.6%	56.7%	43.8%	52.0%
	2020	42.8%	44.7%	60.2%	55.4%	65.2%	58.0%	64.7%	60.5%	65.5%	57.0%	55.7%	56.8%	43.8%	52.0%
	2021	42.8%	45.1%	60.3%	55.5%	65.3%	58.1%	64.8%	60.7%	65.6%	57.1%	55.7%	56.8%	43.8%	52.0%
	2022	42.9%	45.1%	60.3%	55.5%	65.3%	58.1%	64.8%	60.7%	65.6%	57.2%	55.7%	56.8%	43.8%	52.0%
	2023	42.9%	45.1%	60.3%	55.5%	65.3%	58.1%	64.9%	60.7%	65.6%	57.1%	55.6%	56.7%	43.8%	52.0%
	2024	42.8%	44.7%	60.2%	55.3%	65.2%	58.0%	64.8%	60.6%	65.5%	57.0%	55.7%	56.8%	43.8%	52.0%
	2025	42.9%	45.1%	60.3%	55.4%	65.3%	58.1%	64.9%	60.7%	65.7%	57.1%	55.7%	56.8%	43.8%	52.0%
Avg.	2007-2016	46.0%	46.8%	55.2%	56.9%	67.0%	59.1%	63.7%	62.4%	62.8%	57.8%	55.4%	56.6%	43.9%	52.0%
	2017-2026	42.8%	45.0%	60.3%	55.5%	65.3%	58.1%	64.8%	60.6%	65.6%	57.1%	55.7%	56.8%	43.8%	52.0%

FMPA 2017 Load Forecast - Base Case  
**Ft. Meade (Full Requirements Forecast)**  
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	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	8.2	7.8	6.2	10.6	9.4
	2016	9.4	9.5	7.4	8.0	8.0	8.3	9.4	9.3	8.6	7.9	6.6	7.6	9.5	9.4
Projected	2017	10.4	9.2	6.4	6.8	8.1	8.3	8.0	8.4	8.0	7.6	6.7	7.6	10.4	8.4
	2018	10.5	9.2	6.4	6.8	8.2	8.4	8.0	8.5	8.0	7.6	6.7	7.7	10.5	8.5
	2019	10.5	9.3	6.4	6.9	8.2	8.4	8.1	8.5	8.1	7.7	6.8	7.7	10.5	8.5
	2020	10.6	9.3	6.5	6.9	8.3	8.5	8.2	8.6	8.1	7.7	6.8	7.8	10.6	8.6
	2021	10.7	9.4	6.5	7.0	8.3	8.5	8.2	8.6	8.2	7.8	6.8	7.8	10.7	8.6
	2022	10.7	9.4	6.6	7.0	8.4	8.6	8.2	8.7	8.2	7.8	6.9	7.8	10.7	8.7
	2023	10.8	9.5	6.6	7.0	8.4	8.6	8.3	8.7	8.2	7.9	6.9	7.9	10.8	8.7
	2024	10.9	9.6	6.6	7.1	8.5	8.7	8.3	8.8	8.3	7.9	6.9	7.9	10.9	8.8
	2025	10.9	9.6	6.7	7.1	8.5	8.7	8.4	8.8	8.3	7.9	7.0	8.0	10.9	8.8
Projected	2026	11.0	9.6	6.7	7.2	8.6	8.8	8.4	8.9	8.4	8.0	7.0	8.0	11.0	8.9
	2027	11.0	9.7	6.7	7.2	8.6	8.8	8.5	8.9	8.4	8.0	7.1	8.1	11.0	8.9
	2028	11.1	9.8	6.8	7.2	8.7	8.9	8.5	9.0	8.5	8.1	7.1	8.1	11.1	9.0
	2029	11.1	9.8	6.8	7.3	8.7	8.9	8.5	9.0	8.5	8.1	7.1	8.1	11.1	9.0
	2030	11.2	9.8	6.8	7.3	8.7	8.9	8.6	9.0	8.5	8.1	7.1	8.2	11.2	9.0
	2031	11.2	9.9	6.9	7.3	8.8	9.0	8.6	9.1	8.6	8.2	7.2	8.2	11.2	9.1
	2032	11.3	9.9	6.9	7.4	8.8	9.0	8.7	9.1	8.6	8.2	7.2	8.2	11.3	9.1
	2033	11.3	10.0	6.9	7.4	8.8	9.1	8.7	9.1	8.7	8.2	7.2	8.3	11.3	9.1
	2034	11.4	10.0	7.0	7.4	8.9	9.1	8.7	9.2	8.7	8.3	7.3	8.3	11.4	9.2
Projected	2035	11.4	10.0	7.0	7.5	8.9	9.1	8.8	9.2	8.7	8.3	7.3	8.3	11.4	9.2
	2036	11.5	10.1	7.0	7.5	9.0	9.2	8.8	9.3	8.8	8.4	7.3	8.4	11.5	9.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.0%	100.0%	91.0%	95.8%	98.3%
Projected	2016	96.6%	100.0%	100.0%	98.3%	95.4%	90.9%	99.0%	97.6%	97.7%	93.9%	91.2%	95.8%	98.3%	98.8%
	2017	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2018	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2019	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2020	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2021	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2022	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2023	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2024	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
Projected	2025	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
	2026	95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%
2007-2016		97.1%	97.0%	94.4%	93.2%	94.5%	95.8%	93.0%	93.6%	95.8%	95.3%	91.8%	93.4%	96.5%	92.5%
2017-2026		95.5%	98.8%	94.3%	92.1%	95.1%	93.8%	91.7%	91.6%	94.9%	93.9%	91.2%	95.8%	95.5%	91.6%

# FMPA 2017 Load Forecast - Base Case - Ft Meade

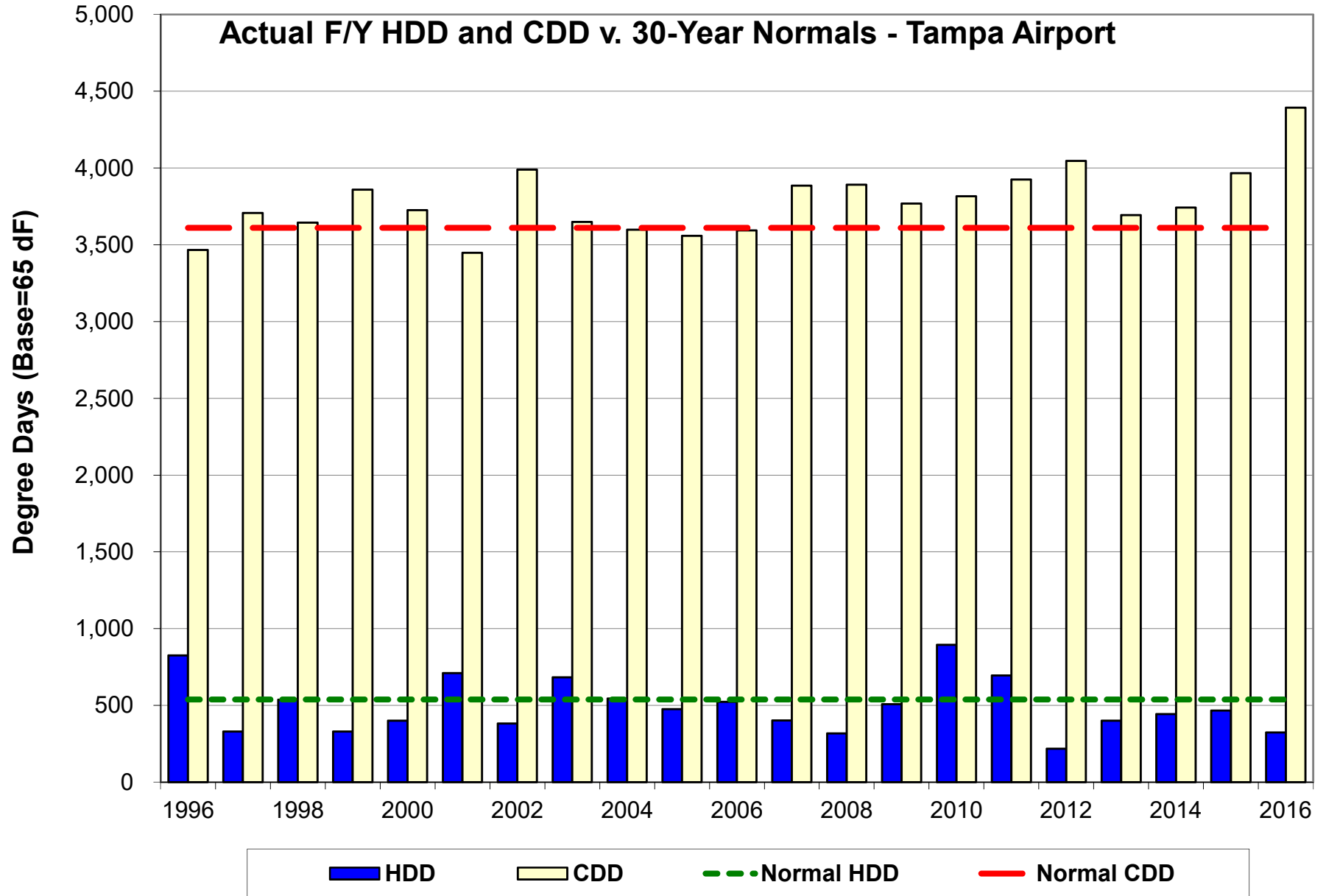
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

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	2007	30,045		2,348		12,798		11,875		321		37.0		41,920		4,022	45,942	
	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	27,135	3.5%	2,381	0.3%	11,396	3.2%	13,389	0.3%	320	-4.4%	41.8	5.0%	40,523	2.4%	2,260	42,783	2.9%
	2016	28,004	3.2%	2,378	-0.2%	11,778	3.4%	12,971	-3.1%	318	-0.7%	40.8	-2.5%	40,975	1.1%	2,509	43,483	1.6%
Projected	2017	26,729	-4.6%	2,371	-0.3%	11,273	-4.3%	13,140	1.3%	321	1.0%	40.9	0.3%	39,869	-2.7%	2,016	41,885	-3.7%
	2018	26,726	0.0%	2,374	0.1%	11,257	-0.1%	13,138	0.0%	325	1.3%	40.4	-1.3%	39,864	0.0%	2,179	42,042	0.4%
	2019	26,946	0.8%	2,382	0.3%	11,310	0.5%	13,157	0.1%	329	1.2%	40.0	-1.0%	40,103	0.6%	2,192	42,295	0.6%
	2020	27,174	0.8%	2,391	0.4%	11,365	0.5%	13,177	0.1%	333	1.2%	39.6	-1.0%	40,351	0.6%	2,285	42,636	0.8%
	2021	27,396	0.8%	2,400	0.4%	11,417	0.5%	13,196	0.1%	337	1.2%	39.2	-1.0%	40,592	0.6%	2,218	42,810	0.4%
	2022	27,614	0.8%	2,408	0.3%	11,469	0.5%	13,215	0.1%	341	1.2%	38.8	-1.0%	40,829	0.6%	2,231	43,060	0.6%
	2023	27,830	0.8%	2,415	0.3%	11,522	0.5%	13,235	0.1%	345	1.2%	38.4	-1.0%	41,064	0.6%	2,244	43,308	0.6%
	2024	28,036	0.7%	2,423	0.3%	11,573	0.4%	13,253	0.1%	349	1.2%	38.0	-1.0%	41,290	0.5%	2,338	43,628	0.7%
	2025	28,233	0.7%	2,429	0.3%	11,621	0.4%	13,272	0.1%	353	1.1%	37.6	-1.0%	41,505	0.5%	2,268	43,773	0.3%
	2026	28,426	0.7%	2,436	0.3%	11,669	0.4%	13,290	0.1%	357	1.1%	37.2	-1.0%	41,716	0.5%	2,279	43,995	0.5%
	2027	28,616	0.7%	2,442	0.3%	11,716	0.4%	13,308	0.1%	361	1.1%	36.9	-0.9%	41,924	0.5%	2,290	44,214	0.5%
	2028	28,806	0.7%	2,449	0.3%	11,763	0.4%	13,326	0.1%	365	1.1%	36.5	-0.9%	42,131	0.5%	2,385	44,517	0.7%
	2029	28,991	0.6%	2,455	0.2%	11,809	0.4%	13,343	0.1%	369	1.0%	36.2	-0.9%	42,334	0.5%	2,312	44,647	0.3%
	2030	29,174	0.6%	2,461	0.2%	11,855	0.4%	13,360	0.1%	372	1.0%	35.9	-0.9%	42,533	0.5%	2,323	44,857	0.5%
	2031	29,349	0.6%	2,467	0.2%	11,898	0.4%	13,376	0.1%	376	1.0%	35.6	-0.8%	42,725	0.4%	2,334	45,058	0.4%
	2032	29,524	0.6%	2,472	0.2%	11,943	0.4%	13,391	0.1%	379	0.9%	35.3	-0.8%	42,915	0.4%	2,429	45,344	0.6%
	2033	29,693	0.6%	2,477	0.2%	11,986	0.4%	13,406	0.1%	383	0.9%	35.0	-0.8%	43,099	0.4%	2,354	45,453	0.2%
	2034	29,857	0.6%	2,482	0.2%	12,028	0.3%	13,421	0.1%	386	0.9%	34.7	-0.8%	43,277	0.4%	2,364	45,641	0.4%
	2035	30,021	0.6%	2,487	0.2%	12,069	0.3%	13,436	0.1%	390	0.9%	34.5	-0.8%	43,456	0.4%	2,373	45,830	0.4%
	2036	30,187	0.6%	2,493	0.2%	12,111	0.3%	13,450	0.1%	393	0.9%	34.2	-0.8%	43,638	0.4%	2,470	46,107	0.6%
CAGR	2007-2016		-0.8%		0.1%		-0.9%		1.0%		-0.1%		1.1%		-0.3%			-0.6%
	2017-2026		0.7%		0.3%		0.4%		0.1%		1.2%		-1.0%		0.5%			0.5%
	2027-2036		0.6%		0.2%		0.4%		0.1%		1.0%		-0.8%		0.4%			0.5%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	455.7	-	174.6	-	210.7	-	21.70	-	12,789	-	11,885	-	68,089	-
1997	464.4	1.9%	178.4	2.2%	214.7	1.9%	21.38	-1.5%	12,984	1.5%	12,125	2.0%	67,968	-0.2%
1998	472.2	1.7%	182.1	2.1%	223.5	4.1%	21.42	0.2%	13,615	4.9%	13,204	8.9%	72,493	6.7%
1999	479.1	1.5%	185.5	1.8%	227.7	1.9%	21.26	-0.7%	13,961	2.5%	13,689	3.7%	73,813	1.8%
2000	486.5	1.5%	189.5	2.2%	235.5	3.5%	20.21	-4.9%	14,292	2.4%	13,965	2.0%	73,712	-0.1%
2001	494.1	1.6%	193.3	2.0%	233.6	-0.8%	18.85	-6.7%	14,584	2.0%	14,408	3.2%	74,524	1.1%
2002	503.1	1.8%	197.7	2.2%	236.2	1.1%	18.44	-2.2%	15,224	4.4%	14,503	0.7%	73,372	-1.5%
2003	515.1	2.4%	203.2	2.8%	240.6	1.8%	18.10	-1.9%	15,802	3.8%	15,052	3.8%	74,085	1.0%
2004	530.5	3.0%	209.2	3.0%	252.4	4.9%	18.21	0.6%	16,714	5.8%	16,209	7.7%	77,471	4.6%
2005	550.1	3.7%	216.6	3.5%	267.3	5.9%	18.28	0.4%	17,549	5.0%	17,290	6.7%	79,821	3.0%
2006	570.3	3.7%	223.1	3.0%	276.4	3.4%	17.88	-2.2%	18,307	4.3%	18,019	4.2%	80,766	1.2%
2007	586.5	2.8%	227.3	1.9%	278.6	0.8%	17.24	-3.6%	18,336	0.2%	18,284	1.5%	80,447	-0.4%
2008	595.0	1.4%	228.2	0.4%	269.2	-3.4%	16.35	-5.2%	17,975	-2.0%	18,201	-0.5%	79,746	-0.9%
2009	599.3	0.7%	227.3	-0.4%	259.3	-3.7%	14.84	-9.3%	17,144	-4.6%	17,601	-3.3%	77,450	-2.9%
2010	604.2	0.8%	226.0	-0.6%	255.7	-1.4%	14.20	-4.3%	17,205	0.4%	18,512	5.2%	81,919	5.8%
2011	610.3	1.0%	223.7	-1.0%	258.2	1.0%	14.19	-0.1%	16,873	-1.9%	19,102	3.2%	85,387	4.2%
2012	616.6	1.0%	224.9	0.6%	261.7	1.4%	14.61	3.0%	16,319	-3.3%	18,616	-2.5%	82,761	-3.1%
2013	624.8	1.3%	220.5	-2.0%	266.7	1.9%	15.88	8.7%	16,972	4.0%	18,657	0.2%	84,611	2.2%
2014	637.3	2.0%	223.5	1.4%	272.1	2.0%	16.41	3.3%	16,835	-0.8%	19,283	3.4%	86,261	1.9%
2015	651.6	2.2%	229.1	2.5%	280.8	3.2%	16.51	0.6%	17,421	3.5%	20,262	5.1%	88,434	2.5%
2016	659.9	1.3%	232.6	1.5%	285.8	1.8%	16.79	1.7%	17,823	2.3%	20,885	3.1%	89,537	1.2%
2017	668.1	1.2%	235.9	1.4%	290.4	1.6%	16.95	0.9%	18,344	2.9%	21,517	3.0%	90,841	1.5%
2018	676.3	1.2%	238.9	1.3%	294.3	1.3%	17.03	0.5%	18,842	2.7%	22,176	3.1%	92,385	1.7%
2019	684.5	1.2%	241.9	1.2%	297.9	1.2%	17.16	0.8%	19,232	2.1%	22,856	3.1%	93,990	1.7%
2020	692.7	1.2%	244.7	1.2%	301.5	1.2%	17.35	1.1%	19,628	2.1%	23,555	3.1%	95,581	1.7%
2021	701.1	1.2%	247.5	1.2%	305.2	1.2%	17.49	0.8%	20,007	1.9%	24,264	3.0%	97,117	1.6%
2022	709.5	1.2%	250.1	1.0%	309.8	1.5%	17.55	0.3%	20,523	2.6%	24,998	3.0%	98,757	1.7%
2023	718.0	1.2%	252.6	1.0%	314.2	1.4%	17.55	0.0%	21,028	2.5%	25,740	3.0%	100,374	1.6%
2024	726.5	1.2%	255.0	0.9%	317.9	1.2%	17.53	-0.1%	21,451	2.0%	26,481	2.9%	101,867	1.5%
2025	735.1	1.2%	257.3	0.9%	321.5	1.1%	17.47	-0.3%	21,852	1.9%	27,243	2.9%	103,387	1.5%
2026	743.7	1.2%	259.5	0.9%	325.1	1.1%	17.43	-0.2%	22,268	1.9%	28,006	2.8%	104,881	1.4%
2027	752.3	1.2%	261.8	0.9%	328.5	1.0%	17.39	-0.2%	22,703	2.0%	28,769	2.7%	106,405	1.5%
2028	760.9	1.1%	263.9	0.8%	331.7	1.0%	17.29	-0.6%	23,150	2.0%	29,536	2.7%	107,918	1.4%
2029	769.5	1.1%	266.1	0.8%	335.2	1.0%	17.21	-0.5%	23,627	2.1%	30,308	2.6%	109,435	1.4%
2030	778.2	1.1%	268.1	0.8%	338.4	1.0%	17.15	-0.3%	24,081	1.9%	31,069	2.5%	110,877	1.3%
2031	786.7	1.1%	270.1	0.7%	342.1	1.1%	17.09	-0.4%	24,601	2.2%	31,809	2.4%	112,370	1.3%
2032	795.2	1.1%	272.0	0.7%	345.8	1.1%	16.96	-0.7%	25,102	2.0%	32,544	2.3%	113,854	1.3%
2033	803.6	1.1%	273.8	0.7%	349.0	0.9%	16.86	-0.6%	25,593	2.0%	33,279	2.3%	115,281	1.3%
2034	811.9	1.0%	275.6	0.7%	352.0	0.9%	16.76	-0.6%	26,101	2.0%	34,027	2.3%	116,704	1.2%
2035	820.2	1.0%	277.5	0.7%	355.0	0.9%	16.67	-0.5%	26,621	2.0%	34,810	2.3%	118,165	1.3%
2036	828.3	1.0%	279.4	0.7%	358.2	0.9%	16.60	-0.5%	27,161	2.0%	35,590	2.2%	119,578	1.2%
Average Percent Change														
2006-2016	1.5%		0.4%		0.3%		-0.6%		-0.3%		1.5%		1.0%	
2017-2026	1.2%		1.1%		1.3%		0.3%		2.2%		3.0%		1.6%	
2027-2036	1.1%		0.7%		1.0%		-0.5%		2.0%		2.4%		1.3%	





Fort Pierce

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FMPA 2017 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	2007	607,585	-	608,619	-	0.2%	98.6	-	109.2	-	10.8%	116.8	-	116.9		0.1%
	2008	590,911	-2.7%	587,185	-3.5%	-0.6%	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%	548,748	-6.5%	-0.9%	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%	542,497	-1.1%	-4.6%	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%	546,964	0.8%	-1.0%	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%	540,836	-1.1%	0.7%	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%	535,282	-1.0%	0.6%	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%	542,495	1.3%	-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%	548,341	1.1%	-1.9%	101.8	14.2%	79.4	-27.6%	-22.0%	103.4	0.2%	99.9	-2.0%	-3.4%
	2016	583,151	4.3%	571,153	4.2%	-2.1%	94.0	-7.7%	93.5	17.8%	-0.5%	109.8	6.2%	106.7	6.8%	-2.8%
Projected	2017	578,416	-0.8%	578,416	1.3%		97.6	3.9%	97.6	4.4%		108.7	-1.1%	108.7	1.8%	
	2018			581,230	0.5%				98.1	0.5%				109.2	0.5%	
	2019			583,112	0.3%				98.4	0.3%				109.5	0.3%	
	2020			584,804	0.3%				98.7	0.3%				109.8	0.3%	
	2021			586,469	0.3%				98.9	0.3%				110.1	0.3%	
	2022			588,120	0.3%				99.2	0.3%				110.4	0.3%	
	2023			589,823	0.3%				99.5	0.3%				110.8	0.3%	
	2024			591,480	0.3%				99.8	0.3%				111.1	0.3%	
	2025			593,035	0.3%				100.0	0.3%				111.3	0.3%	
	2026			594,452	0.2%				100.3	0.2%				111.6	0.2%	
	2027			595,729	0.2%				100.5	0.2%				111.8	0.2%	
	2028			596,876	0.2%				100.7	0.2%				112.0	0.2%	
	2029			597,885	0.2%				100.8	0.2%				112.2	0.2%	
	2030			598,813	0.2%				101.0	0.2%				112.4	0.2%	
	2031			599,624	0.1%				101.1	0.1%				112.5	0.1%	
	2032			600,400	0.1%				101.2	0.1%				112.7	0.1%	
	2033			601,180	0.1%				101.4	0.1%				112.8	0.1%	
	2034			601,952	0.1%				101.5	0.1%				113.0	0.1%	
	2035			602,741	0.1%				101.6	0.1%				113.1	0.1%	
	2036			603,524	0.1%				101.8	0.1%				113.3	0.1%	
CAGR <sup>[3]</sup>	2007-2016		-0.5%		-0.7%			-0.5%		-1.7%			-0.7%		-1.0%	
	2017-2026				0.3%					0.3%					0.3%	
	2027-2036				0.1%					0.1%					0.1%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Ft. Pierce**  
**2017 v. 2016 (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	2007	607,585	-	607,585	-	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%	559,062	2.6%	101.8	107.2	101.8	107.2	101.8	103.4	101.8	103.4
	2016	583,151	4.3%	567,648	1.5%	97.7	111.7	102.1	111.1	94.0	109.8	93.8	107.7
Projected	2017	578,416	-0.8%	573,909	1.1%	106.1	112.8	103.1	112.2	97.6	108.7	94.7	108.8
	2018	581,230	0.5%	577,886	0.7%	106.6	113.4	103.7	112.9	98.1	109.2	95.3	109.5
	2019	583,112	0.3%	581,584	0.6%	106.9	113.7	104.4	113.6	98.4	109.5	95.9	110.2
	2020	584,804	0.3%	585,316	0.6%	107.2	114.0	105.0	114.3	98.7	109.8	96.6	110.9
	2021	586,469	0.3%	588,990	0.6%	107.5	114.3	105.7	115.0	98.9	110.1	97.2	111.5
	2022	588,120	0.3%	592,508	0.6%	107.8	114.6	106.3	115.7	99.2	110.4	97.7	112.2
	2023	589,823	0.3%	595,980	0.6%	108.1	115.0	106.9	116.4	99.5	110.8	98.3	112.9
	2024	591,480	0.3%	599,360	0.6%	108.4	115.3	107.5	117.1	99.8	111.1	98.9	113.5
	2025	593,035	0.3%	602,619	0.5%	108.7	115.6	108.1	117.7	100.0	111.3	99.4	114.1
	2026	594,452	0.2%	605,778	0.5%	108.9	115.9	108.7	118.3	100.3	111.6	99.9	114.7
	2027	595,729	0.2%	608,896	0.5%	109.2	116.1	109.2	118.9	100.5	111.8	100.4	115.3
	2028	596,876	0.2%	611,971	0.5%	109.4	116.3	109.8	119.5	100.7	112.0	100.9	115.9
	2029	597,885	0.2%	614,903	0.5%	109.6	116.5	110.3	120.1	100.8	112.2	101.4	116.4
	2030	598,813	0.2%	617,625	0.4%	109.7	116.7	110.8	120.6	101.0	112.4	101.8	116.9
	2031	599,624	0.1%	620,132	0.4%	109.9	116.8	111.2	121.1	101.1	112.5	102.2	117.4
	2032	600,400	0.1%	622,538	0.4%	110.0	117.0	111.7	121.5	101.2	112.7	102.6	117.8
	2033	601,180	0.1%	624,937	0.4%	110.1	117.1	112.1	122.0	101.4	112.8	103.0	118.3
	2034	601,952	0.1%	627,337	0.4%	110.3	117.3	112.5	122.5	101.5	113.0	103.4	118.7
	2035	602,741	0.1%	629,714	0.4%	110.4	117.4	112.9	122.9	101.6	113.1	103.8	119.2
	2036	603,524	0.1%			110.6	117.6			101.8	113.3		
CAGR <sup>[1]</sup>	Historical		-0.5%		-1.0%	-0.1%	-0.7%	0.4%	-1.3%	-1.6%	-0.1%	-0.7%	-0.9%
	1st 10 Prj Yrs		0.3%		0.7%	0.3%	0.3%	0.6%	0.6%	0.3%	0.3%	0.6%	0.6%
	2nd 10 Prj Yrs		0.1%		0.4%	0.1%	0.1%	0.4%	0.4%	0.1%	0.1%	0.4%	0.4%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

**Ft. Pierce**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	48,565	46,117	43,886	574,073	559,062
	2016	40,643	38,560	43,189	43,820	49,515	54,253	61,309	59,072	54,220	50,366	42,391	41,981	579,321	583,151
Projected	2017	43,665	41,683	42,649	45,381	50,486	51,988	58,159	56,862	52,805	50,346	42,756	42,330	579,110	578,416
	2018	44,061	41,930	42,866	45,608	50,684	52,161	58,368	57,115	53,005	50,579	42,978	42,550	581,905	581,230
	2019	44,300	42,084	43,009	45,740	50,805	52,266	58,439	57,195	53,167	50,727	43,095	42,664	583,491	583,112
	2020	44,431	42,205	43,122	45,859	50,942	52,423	58,623	57,378	53,336	50,878	43,213	42,778	585,188	584,804
	2021	44,561	42,323	43,233	45,974	51,075	52,576	58,802	57,555	53,500	51,025	43,328	42,888	586,841	586,469
	2022	44,688	42,440	43,342	46,088	51,208	52,730	58,982	57,735	53,667	51,177	43,448	43,004	588,507	588,120
	2023	44,821	42,561	43,455	46,206	51,344	52,887	59,167	57,918	53,836	51,329	43,566	43,118	590,207	589,823
	2024	44,952	42,680	43,564	46,319	51,475	53,039	59,345	58,095	53,999	51,474	43,677	43,224	591,843	591,480
	2025	45,075	42,791	43,665	46,424	51,596	53,182	59,513	58,262	54,151	51,608	43,780	43,322	593,369	593,035
	2026	45,189	42,893	43,757	46,518	51,705	53,312	59,666	58,413	54,290	51,729	43,871	43,408	594,750	594,452
Projected	2027	45,292	42,985	43,837	46,601	51,802	53,429	59,806	58,552	54,418	51,841	43,955	43,487	596,003	595,729
	2028	45,386	43,068	43,910	46,674	51,888	53,534	59,930	58,675	54,529	51,937	44,025	43,553	597,108	596,876
	2029	45,466	43,139	43,971	46,737	51,963	53,628	60,043	58,789	54,634	52,027	44,091	43,614	598,102	597,885
	2030	45,543	43,206	44,027	46,794	52,030	53,714	60,147	58,892	54,728	52,107	44,147	43,666	599,000	598,813
	2031	45,609	43,263	44,074	46,841	52,088	53,790	60,240	58,985	54,813	52,179	44,198	43,713	599,795	599,624
	2032	45,671	43,317	44,118	46,886	52,143	53,865	60,332	59,079	54,899	52,252	44,250	43,762	600,574	600,400
	2033	45,734	43,372	44,163	46,931	52,199	53,939	60,424	59,171	54,984	52,323	44,300	43,808	601,347	601,180
	2034	45,795	43,426	44,206	46,975	52,253	54,014	60,516	59,265	55,070	52,396	44,352	43,856	602,125	601,952
	2035	45,858	43,481	44,250	47,020	52,309	54,090	60,611	59,360	55,158	52,470	44,403	43,904	602,915	602,741
	2036	45,922	43,536	44,294	47,064	52,364	54,165	60,703	59,454	55,244	52,542	44,453	43,950	603,691	603,524

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	6.8%	6.3%	7.6%	8.2%	8.9%	9.4%	9.6%	9.7%	9.2%	8.5%	8.0%	7.6%	100.0%
	2016	7.0%	6.7%	7.5%	7.6%	8.5%	9.4%	10.6%	10.2%	9.4%	8.7%	7.3%	7.2%	100.0%
Projected	2017	7.5%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2018	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2019	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2020	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2021	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2022	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2023	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2024	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2025	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
	2026	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%
Avg.	2007-2016	7.5%	6.8%	7.4%	7.7%	8.8%	9.4%	9.9%	10.1%	9.3%	8.6%	7.2%	7.3%	100.0%
	2017-2026	7.6%	7.2%	7.4%	7.8%	8.7%	9.0%	10.0%	9.8%	9.1%	8.7%	7.4%	7.3%	100.0%

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FMPA 2017 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	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	95.8	97.7	84.4	101.8	107.2
	2016	87.6	94.0	90.2	92.2	101.2	107.8	111.7	110.3	104.5	98.0	87.3	76.6	97.7	111.7
Projected	2017	106.1	95.1	82.6	91.8	102.9	109.1	110.7	112.8	106.9	98.9	87.7	76.9	106.1	112.8
	2018	106.6	95.5	83.0	92.3	103.3	109.6	111.2	113.4	107.4	99.4	87.9	77.2	106.6	113.4
	2019	106.9	95.8	83.3	92.5	103.6	109.9	111.5	113.7	107.7	99.7	88.2	77.4	106.9	113.7
	2020	107.2	96.1	83.5	92.8	103.9	110.2	111.8	114.0	108.0	100.0	88.4	77.6	107.2	114.0
	2021	107.5	96.3	83.7	93.0	104.2	110.5	112.1	114.3	108.3	100.2	88.7	77.8	107.5	114.3
	2022	107.8	96.6	84.0	93.3	104.5	110.8	112.5	114.6	108.6	100.5	88.9	78.0	107.8	114.6
	2023	108.1	96.9	84.2	93.6	104.8	111.2	112.8	115.0	109.0	100.8	89.2	78.3	108.1	115.0
	2024	108.4	97.1	84.5	93.8	105.1	111.5	113.1	115.3	109.3	101.1	89.4	78.5	108.4	115.3
	2025	108.7	97.4	84.7	94.1	105.4	111.8	113.4	115.6	109.5	101.4	89.6	78.6	108.7	115.6
Projected	2026	108.9	97.6	84.9	94.3	105.6	112.0	113.7	115.9	109.8	101.6	89.8	78.8	108.9	115.9
	2027	109.2	97.8	85.1	94.5	105.9	112.3	113.9	116.1	110.0	101.8	90.0	79.0	109.2	116.1
	2028	109.4	98.0	85.2	94.7	106.0	112.5	114.1	116.3	110.2	102.0	90.1	79.1	109.4	116.3
	2029	109.6	98.2	85.4	94.8	106.2	112.6	114.3	116.5	110.4	102.2	90.2	79.2	109.6	116.5
	2030	109.7	98.3	85.5	95.0	106.4	112.8	114.5	116.7	110.6	102.3	90.4	79.3	109.7	116.7
	2031	109.9	98.5	85.6	95.1	106.5	113.0	114.6	116.8	110.7	102.4	90.5	79.4	109.9	116.8
	2032	110.0	98.6	85.7	95.2	106.7	113.1	114.8	117.0	110.9	102.6	90.6	79.5	110.0	117.0
	2033	110.1	98.7	85.8	95.3	106.8	113.3	114.9	117.1	111.0	102.7	90.7	79.6	110.1	117.1
	2034	110.3	98.8	85.9	95.5	106.9	113.4	115.1	117.3	111.2	102.8	90.8	79.7	110.3	117.3
	2035	110.4	99.0	86.0	95.6	107.1	113.6	115.2	117.4	111.3	103.0	91.0	79.8	110.4	117.4
	2036	110.6	99.1	86.2	95.7	107.2	113.7	115.4	117.6	111.4	103.1	91.1	79.9	110.6	117.6

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	68.1%	63.5%	72.2%	64.4%	61.2%
Projected	2016	62.4%	58.9%	64.4%	63.9%	72.8%	67.6%	76.2%	72.0%	72.1%	69.1%	65.3%	76.1%	67.7%	59.2%
	2017	55.3%	65.3%	69.4%	66.4%	73.0%	64.1%	73.0%	67.7%	68.6%	68.4%	65.5%	76.4%	62.3%	58.6%
	2018	55.6%	65.3%	69.4%	66.4%	73.0%	64.0%	72.9%	67.7%	68.5%	68.4%	65.7%	76.6%	62.3%	58.6%
	2019	55.7%	65.4%	69.4%	66.5%	73.0%	63.9%	72.8%	67.6%	68.6%	68.4%	65.7%	76.6%	62.3%	58.6%
	2020	55.7%	63.1%	69.4%	66.4%	72.9%	63.9%	72.8%	67.7%	68.6%	68.4%	65.7%	76.6%	62.3%	58.6%
	2021	55.7%	65.4%	69.4%	66.4%	72.9%	63.9%	72.8%	67.7%	68.6%	68.4%	65.7%	76.6%	62.3%	58.6%
	2022	55.7%	65.4%	69.4%	66.4%	72.9%	63.9%	72.8%	67.7%	68.6%	68.4%	65.7%	76.5%	62.3%	58.6%
	2023	55.7%	65.4%	69.3%	66.4%	72.9%	63.9%	72.9%	67.7%	68.6%	68.4%	65.7%	76.5%	62.3%	58.6%
	2024	55.7%	63.1%	69.3%	66.3%	72.9%	64.0%	72.9%	67.7%	68.6%	68.4%	65.7%	76.5%	62.3%	58.6%
Avg.	2007-2016	60.8%	63.0%	66.2%	65.6%	75.6%	66.5%	71.8%	71.0%	70.2%	66.8%	62.8%	71.9%	63.0%	58.6%
	2017-2026	55.7%	64.9%	69.4%	66.4%	72.9%	64.0%	72.9%	67.7%	68.6%	68.4%	65.7%	76.5%	62.3%	58.6%

FMPA 2017 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	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	95.0	96.1	81.5	101.8	103.4
	2016	87.6	94.0	84.4	88.2	96.0	104.9	109.8	107.6	102.3	94.7	77.8	71.2	94.0	109.8
Projected	2017	97.6	92.3	79.2	88.2	99.7	105.8	106.6	108.7	102.6	95.6	78.2	71.5	97.6	108.7
	2018	98.1	92.8	79.6	88.6	100.2	106.4	107.1	109.2	103.1	96.1	78.4	71.7	98.1	109.2
	2019	98.4	93.0	79.8	88.9	100.4	106.6	107.4	109.5	103.4	96.4	78.6	71.9	98.4	109.5
	2020	98.7	93.3	80.0	89.1	100.7	107.0	107.7	109.8	103.7	96.6	78.8	72.1	98.7	109.8
	2021	98.9	93.6	80.2	89.4	101.0	107.3	108.0	110.1	104.0	96.9	79.0	72.3	98.9	110.1
	2022	99.2	93.8	80.5	89.6	101.3	107.6	108.3	110.4	104.3	97.2	79.3	72.6	99.2	110.4
	2023	99.5	94.1	80.7	89.9	101.6	107.9	108.6	110.8	104.6	97.5	79.5	72.8	99.5	110.8
	2024	99.8	94.4	80.9	90.1	101.9	108.2	108.9	111.1	104.9	97.7	79.7	72.9	99.8	111.1
	2025	100.0	94.6	81.1	90.4	102.1	108.4	109.2	111.3	105.1	98.0	79.9	73.1	100.0	111.3
Projected	2026	100.3	94.8	81.3	90.6	102.4	108.7	109.4	111.6	105.4	98.2	80.1	73.3	100.3	111.6
	2027	100.5	95.0	81.5	90.8	102.6	108.9	109.7	111.8	105.6	98.4	80.2	73.4	100.5	111.8
	2028	100.7	95.2	81.6	90.9	102.8	109.1	109.9	112.0	105.8	98.6	80.3	73.5	100.7	112.0
	2029	100.8	95.4	81.8	91.1	103.0	109.3	110.1	112.2	106.0	98.8	80.5	73.6	100.8	112.2
	2030	101.0	95.5	81.9	91.2	103.1	109.5	110.2	112.4	106.1	98.9	80.6	73.7	101.0	112.4
	2031	101.1	95.6	82.0	91.4	103.3	109.6	110.4	112.5	106.3	99.1	80.7	73.8	101.1	112.5
	2032	101.2	95.8	82.1	91.5	103.4	109.8	110.5	112.7	106.4	99.2	80.8	73.9	101.2	112.7
	2033	101.4	95.9	82.2	91.6	103.5	109.9	110.7	112.8	106.6	99.3	80.9	74.0	101.4	112.8
	2034	101.5	96.0	82.3	91.7	103.7	110.0	110.8	113.0	106.7	99.4	81.0	74.1	101.5	113.0
Projected	2035	101.6	96.1	82.4	91.8	103.8	110.2	111.0	113.1	106.8	99.6	81.1	74.2	101.6	113.1
	2036	101.8	96.3	82.5	91.9	103.9	110.3	111.1	113.3	107.0	99.7	81.2	74.3	101.8	113.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	87.6%	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%	99.2%	98.4%	96.5%	100.0%	96.5%
Projected	2016	100.0%	100.0%	93.6%	95.7%	94.9%	97.3%	98.3%	97.6%	97.9%	96.7%	89.2%	93.0%	96.2%	98.3%
	2017	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2018	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2019	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2020	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2021	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2022	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2023	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2024	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
Projected	2025	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
	2026	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%
Projected	2007-2016	95.9%	97.9%	94.8%	95.5%	97.2%	96.7%	94.8%	97.1%	95.8%	96.6%	91.8%	94.5%	99.5%	97.2%
	2017-2026	92.0%	97.1%	95.8%	96.1%	96.9%	97.0%	96.3%	96.3%	96.0%	96.7%	89.2%	93.0%	92.0%	96.3%

# FMPA 2017 Load Forecast - Base Case - Ft Pierce

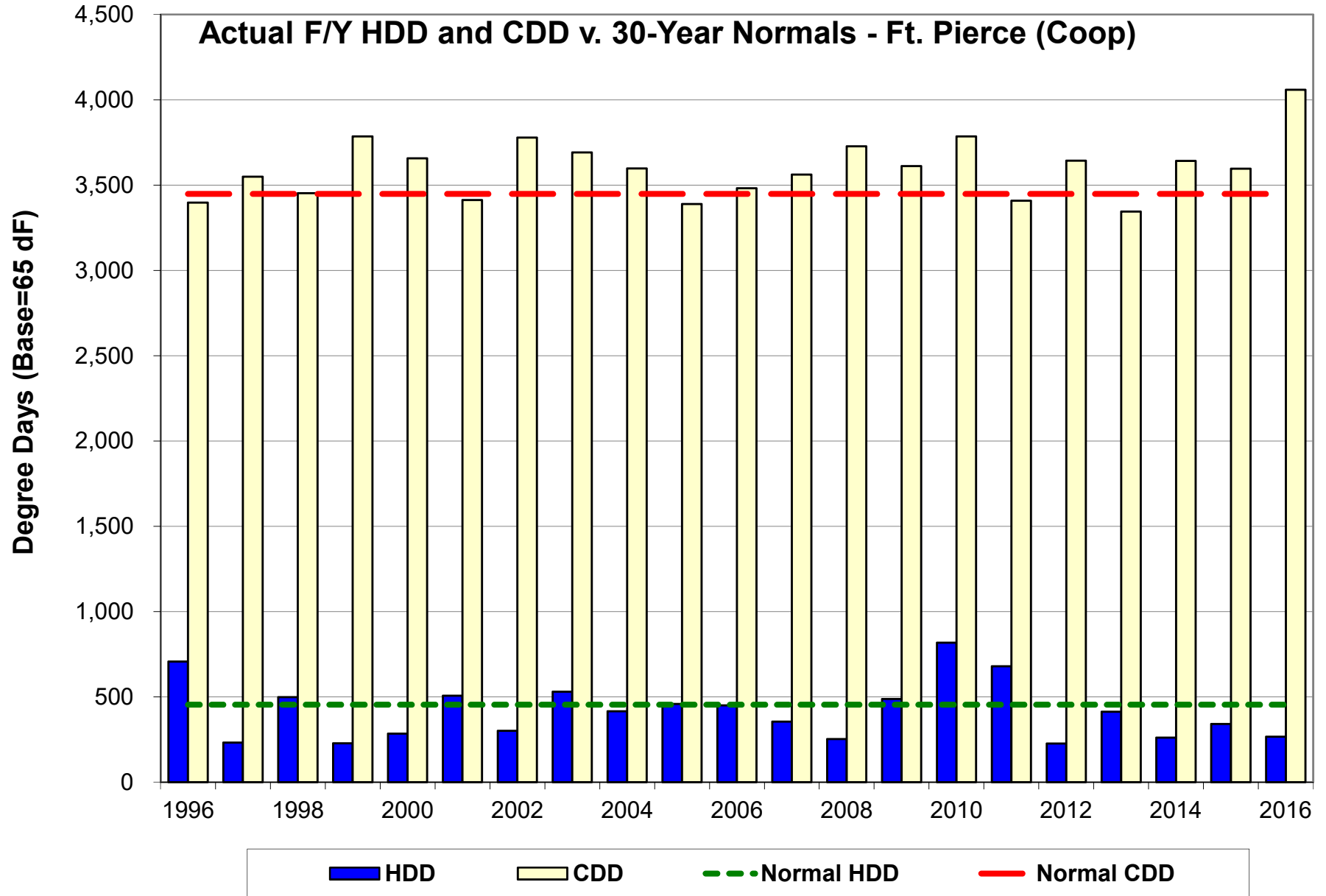
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

	Fiscal Year	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	2007	233,543		22,195		10,522		328,479		4,688		70.1		5,850		5,657		573,529		34,056	607,585	
	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%
	2016	238,720	5.0%	23,218	0.3%	10,282	4.6%	307,623	1.8%	5,082	0.2%	60.5	1.7%	6,030	1.7%	3,981	-11.7%	556,354	3.0%	26,797	583,151	4.3%
Projected	2017	230,390	-3.5%	23,368	0.6%	9,859	-4.1%	316,028	2.7%	5,140	1.1%	61.5	1.6%	6,030	0.0%	3,900	-2.0%	556,348	0.0%	22,068	578,416	-0.8%
	2018	231,822	0.6%	23,481	0.5%	9,873	0.1%	317,304	0.4%	5,168	0.5%	61.4	-0.1%	6,030	0.0%	3,900	0.0%	559,056	0.5%	22,174	581,230	0.5%
	2019	233,359	0.7%	23,605	0.5%	9,886	0.1%	317,597	0.1%	5,190	0.4%	61.2	-0.3%	6,030	0.0%	3,900	0.0%	560,886	0.3%	22,226	583,112	0.3%
	2020	235,050	0.7%	23,732	0.5%	9,904	0.2%	317,535	0.0%	5,211	0.4%	60.9	-0.4%	6,030	0.0%	3,900	0.0%	562,516	0.3%	22,288	584,804	0.3%
	2021	236,762	0.7%	23,856	0.5%	9,925	0.2%	317,428	0.0%	5,230	0.4%	60.7	-0.4%	6,030	0.0%	3,900	0.0%	564,120	0.3%	22,349	586,469	0.3%
	2022	238,487	0.7%	23,983	0.5%	9,944	0.2%	317,295	0.0%	5,250	0.4%	60.4	-0.4%	6,030	0.0%	3,900	0.0%	565,711	0.3%	22,409	588,120	0.3%
	2023	240,271	0.7%	24,110	0.5%	9,966	0.2%	317,150	0.0%	5,269	0.4%	60.2	-0.4%	6,030	0.0%	3,900	0.0%	567,351	0.3%	22,471	589,823	0.3%
	2024	242,091	0.8%	24,236	0.5%	9,989	0.2%	316,928	-0.1%	5,287	0.3%	59.9	-0.4%	6,030	0.0%	3,900	0.0%	568,949	0.3%	22,531	591,480	0.3%
	2025	243,905	0.7%	24,359	0.5%	10,013	0.2%	316,613	-0.1%	5,304	0.3%	59.7	-0.4%	6,030	0.0%	3,900	0.0%	570,448	0.3%	22,587	593,035	0.3%
	2026	245,660	0.7%	24,482	0.5%	10,034	0.2%	316,224	-0.1%	5,320	0.3%	59.4	-0.4%	6,030	0.0%	3,900	0.0%	571,814	0.2%	22,638	594,452	0.2%
	2027	247,348	0.7%	24,607	0.5%	10,052	0.2%	315,768	-0.1%	5,336	0.3%	59.2	-0.4%	6,030	0.0%	3,900	0.0%	573,046	0.2%	22,683	595,729	0.2%
	2028	248,947	0.6%	24,730	0.5%	10,067	0.1%	315,275	-0.2%	5,350	0.3%	58.9	-0.4%	6,030	0.0%	3,900	0.0%	574,152	0.2%	22,724	596,876	0.2%
	2029	250,464	0.6%	24,847	0.5%	10,080	0.1%	314,731	-0.2%	5,364	0.3%	58.7	-0.4%	6,030	0.0%	3,900	0.0%	575,126	0.2%	22,759	597,885	0.2%
	2030	251,968	0.6%	24,964	0.5%	10,093	0.1%	314,124	-0.2%	5,377	0.2%	58.4	-0.4%	6,030	0.0%	3,900	0.0%	576,021	0.2%	22,791	598,813	0.2%
	2031	253,406	0.6%	25,076	0.4%	10,106	0.1%	313,469	-0.2%	5,390	0.2%	58.2	-0.4%	6,030	0.0%	3,900	0.0%	576,805	0.1%	22,819	599,624	0.1%
	2032	254,818	0.6%	25,184	0.4%	10,118	0.1%	312,806	-0.2%	5,402	0.2%	57.9	-0.4%	6,030	0.0%	3,900	0.0%	577,554	0.1%	22,846	600,400	0.1%
	2033	256,255	0.6%	25,292	0.4%	10,132	0.1%	312,122	-0.2%	5,414	0.2%	57.7	-0.4%	6,030	0.0%	3,900	0.0%	578,308	0.1%	22,873	601,180	0.1%
	2034	257,716	0.6%	25,398	0.4%	10,147	0.2%	311,407	-0.2%	5,425	0.2%	57.4	-0.4%	6,030	0.0%	3,900	0.0%	579,053	0.1%	22,899	601,952	0.1%
	2035	259,214	0.6%	25,506	0.4%	10,163	0.2%	310,670	-0.2%	5,437	0.2%	57.1	-0.4%	6,030	0.0%	3,900	0.0%	579,814	0.1%	22,927	602,741	0.1%
	2036	260,726	0.6%	25,615	0.4%	10,178	0.2%	309,914	-0.2%	5,447	0.2%	56.9	-0.4%	6,030	0.0%	3,900	0.0%	580,570	0.1%	22,953	603,524	0.1%
CAGR	2007-2016		0.2%		0.5%		-0.3%		-0.7%		0.9%		-1.6%		0.3%		-3.8%		-0.3%			-0.5%
	2017-2026		0.7%		0.5%		0.2%		0.0%		0.4%		-0.4%		0.0%		0.0%		0.3%			0.3%
	2027-2036		0.6%		0.4%		0.1%		-0.2%		0.2%		-0.4%		0.0%		0.0%		0.1%			0.1%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	181.0	-	70.1	-	63.7	-	2.64	-	3,975	-	4,356	-	62,175	-
1997	185.1	2.3%	72.0	2.7%	65.2	2.4%	2.65	0.0%	4,041	1.7%	4,512	3.6%	62,703	0.8%
1998	187.8	1.5%	73.5	2.1%	67.1	2.9%	2.73	3.3%	4,147	2.6%	4,790	6.2%	65,185	4.0%
1999	190.6	1.5%	75.5	2.8%	67.6	0.9%	2.85	4.4%	4,201	1.3%	4,917	2.7%	65,110	-0.1%
2000	194.2	1.9%	77.8	3.0%	69.7	3.1%	2.94	3.0%	4,321	2.8%	5,182	5.4%	66,615	2.3%
2001	199.4	2.7%	80.2	3.1%	71.1	2.1%	2.92	-0.6%	4,500	4.1%	5,422	4.6%	67,581	1.4%
2002	206.9	3.8%	83.6	4.2%	76.0	6.8%	2.82	-3.2%	4,939	9.8%	5,687	4.9%	68,024	0.7%
2003	216.4	4.6%	87.8	5.0%	80.4	5.8%	2.96	4.8%	5,335	8.0%	6,017	5.8%	68,522	0.7%
2004	229.7	6.2%	93.3	6.3%	89.5	11.3%	3.10	4.8%	6,132	15.0%	7,101	18.0%	76,084	11.0%
2005	242.9	5.7%	98.6	5.7%	96.1	7.4%	3.23	4.2%	6,776	10.5%	7,534	6.1%	76,375	0.4%
2006	256.3	5.5%	103.6	5.0%	101.1	5.2%	3.69	14.2%	7,122	5.1%	7,979	5.9%	77,054	0.9%
2007	267.2	4.2%	107.0	3.4%	101.7	0.7%	3.15	-14.5%	7,285	2.3%	8,213	2.9%	76,728	-0.4%
2008	273.1	2.2%	108.4	1.3%	100.8	-0.9%	2.64	-16.2%	6,728	-7.7%	8,463	3.0%	78,090	1.8%
2009	275.0	0.7%	107.8	-0.5%	96.2	-4.5%	2.01	-23.8%	6,245	-7.2%	8,242	-2.6%	76,424	-2.1%
2010	278.5	1.3%	108.4	0.5%	96.5	0.3%	2.02	0.6%	6,163	-1.3%	8,270	0.3%	76,294	-0.2%
2011	281.1	1.0%	108.8	0.4%	98.3	1.9%	2.08	2.6%	6,035	-2.1%	8,611	4.1%	79,147	3.7%
2012	284.0	1.0%	110.8	1.8%	100.2	2.0%	2.24	7.8%	5,976	-1.0%	8,755	1.7%	79,024	-0.2%
2013	286.8	1.0%	109.8	-0.9%	102.2	2.0%	2.53	13.0%	5,999	0.4%	8,868	1.3%	80,791	2.2%
2014	292.0	1.8%	112.6	2.6%	105.2	2.9%	2.87	13.5%	6,037	0.6%	9,243	4.2%	82,060	1.6%
2015	299.3	2.5%	115.8	2.8%	108.5	3.1%	2.99	4.0%	6,262	3.7%	9,668	4.6%	83,497	1.8%
2016	305.8	2.2%	118.7	2.5%	111.1	2.4%	2.87	-3.8%	6,441	2.9%	10,006	3.5%	84,280	0.9%
2017	312.4	2.2%	121.6	2.4%	113.8	2.4%	2.90	1.0%	6,697	4.0%	10,361	3.5%	85,210	1.1%
2018	319.0	2.1%	124.4	2.3%	116.3	2.2%	2.94	1.4%	6,958	3.9%	10,723	3.5%	86,176	1.1%
2019	325.5	2.1%	127.3	2.3%	118.8	2.2%	2.99	1.8%	7,193	3.4%	11,076	3.3%	87,036	1.0%
2020	332.3	2.1%	130.1	2.2%	121.4	2.2%	3.06	2.2%	7,449	3.6%	11,442	3.3%	87,941	1.0%
2021	339.2	2.1%	133.0	2.2%	124.1	2.2%	3.12	2.0%	7,693	3.3%	11,820	3.3%	88,853	1.0%
2022	346.4	2.1%	136.0	2.2%	127.2	2.5%	3.17	1.5%	7,998	4.0%	12,229	3.5%	89,941	1.2%
2023	353.8	2.1%	139.0	2.2%	130.3	2.4%	3.20	1.2%	8,307	3.9%	12,646	3.4%	91,006	1.2%
2024	361.4	2.1%	142.0	2.2%	133.2	2.2%	3.24	1.1%	8,593	3.4%	13,056	3.2%	91,966	1.1%
2025	369.2	2.2%	145.0	2.1%	136.1	2.2%	3.27	0.9%	8,877	3.3%	13,468	3.1%	92,881	1.0%
2026	377.1	2.1%	148.1	2.1%	139.0	2.2%	3.30	1.0%	9,171	3.3%	13,874	3.0%	93,689	0.9%
2027	385.2	2.1%	151.3	2.1%	141.9	2.1%	3.33	0.9%	9,480	3.4%	14,291	3.0%	94,497	0.9%
2028	393.2	2.1%	154.3	2.0%	144.8	2.0%	3.35	0.5%	9,796	3.3%	14,714	3.0%	95,361	0.9%
2029	401.2	2.0%	157.4	2.0%	147.7	2.0%	3.36	0.5%	10,118	3.3%	15,134	2.9%	96,191	0.9%
2030	409.2	2.0%	160.4	1.9%	150.5	1.9%	3.38	0.5%	10,428	3.1%	15,544	2.7%	96,954	0.8%
2031	417.0	1.9%	163.3	1.8%	153.4	1.9%	3.39	0.3%	10,752	3.1%	15,974	2.8%	97,840	0.9%
2032	424.9	1.9%	166.3	1.8%	156.3	1.9%	3.39	-0.1%	11,070	2.9%	16,419	2.8%	98,787	1.0%
2033	432.7	1.8%	169.2	1.8%	159.1	1.8%	3.39	-0.1%	11,386	2.9%	16,869	2.7%	99,719	0.9%
2034	440.6	1.8%	172.2	1.8%	161.8	1.7%	3.39	0.0%	11,709	2.8%	17,328	2.7%	100,646	0.9%
2035	448.5	1.8%	175.3	1.8%	164.5	1.7%	3.39	0.0%	12,045	2.9%	17,802	2.7%	101,576	0.9%
2036	456.6	1.8%	178.5	1.8%	167.3	1.7%	3.39	0.1%	12,395	2.9%	18,283	2.7%	102,448	0.9%
Average Percent Change														
2006-2016	1.8%			1.4%		1.0%		-2.5%		-1.0%		2.3%		0.9%
2017-2026	2.1%			2.2%		2.2%		1.4%		3.6%		3.3%		1.1%
2027-2036	1.9%			1.9%		1.9%		0.3%		3.1%		2.8%		0.9%





## Green Cove Springs

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FMPA 2017 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	2007	126,976	-	128,327	-	1.1%	23.8	-	29.9	-	25.5%	27.5	-	26.7	-	-3.0%
	2008	126,805	-0.1%	127,568	-0.6%	0.6%	26.0	9.5%	28.0	-6.0%	7.7%	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%	30.1	7.4%	-4.2%	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%	29.3	-2.7%	-12.9%	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%	30.7	4.7%	3.6%	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%	26.3	-14.2%	-0.9%	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%	26.4	0.1%	8.2%	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%	26.4	0.2%	9.0%	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%	26.6	0.6%	-3.5%	23.1	7.7%	26.6	21.2%	15.5%
	2016	113,675	2.0%	110,050	1.4%	-3.2%	24.8	-10.1%	27.1	2.1%	9.5%	24.4	5.9%	24.7	-7.2%	1.2%
Projected	2017	113,678	0.0%	113,678	3.3%		24.5	-1.2%	24.5	-9.8%		24.0	-1.9%	24.0	-3.1%	
	2018			117,261	3.2%				25.3	3.5%				24.8	3.5%	
	2019			122,709	4.6%				26.3	3.9%				25.8	3.9%	
	2020			114,643	-6.6%				25.2	-4.3%				24.3	-5.9%	
	2021			111,162	-3.0%				25.3	0.4%				24.3	0.0%	
	2022			112,613	1.3%				25.6	1.3%				24.3	0.0%	
	2023			111,908	-0.6%				25.2	-1.7%				24.3	0.0%	
	2024			111,697	-0.2%				25.4	0.7%				24.3	0.0%	
	2025			112,870	1.1%				25.6	0.9%				24.3	0.0%	
	2026			112,263	-0.5%				25.2	-1.5%				24.3	0.0%	
	2027			112,338	0.1%				25.2	0.0%				24.3	0.0%	
	2028			112,498	0.1%				25.2	0.2%				24.3	0.0%	
	2029			112,456	0.0%				25.2	-0.3%				24.3	0.0%	
	2030			112,576	0.1%				25.2	0.1%				24.3	0.0%	
	2031			112,643	0.1%				25.2	0.0%				24.3	0.0%	
	2032			112,764	0.1%				25.2	0.1%				24.3	0.0%	
	2033			112,698	-0.1%				25.1	-0.3%				24.3	0.0%	
	2034			112,811	0.1%				25.2	0.1%				24.3	0.0%	
	2035			112,876	0.1%				25.2	0.0%				24.3	0.0%	
	2036			113,001	0.1%				25.2	0.1%				24.3	0.0%	
CAGR <sup>[3]</sup>	2007-2016		-1.2%		-1.7%			0.4%		-1.1%			-1.3%		-0.9%	
	2017-2026				-0.1%					0.3%					0.1%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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 2017 Load Forecast - Base Case**  
**Green Cove Springs (Forecast Limited by the CROD)\***  
**2017 v. 2016 (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	2007	126,976	-	126,976	-	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%	111,412	0.9%	27.5	24.6	27.5	24.6	27.5	23.1	27.5	23.1
	2016	113,675	2.0%	116,955	5.0%	26.1	25.1	27.8	25.3	24.8	24.4	24.7	23.8
Projected	2017	113,678	0.0%	119,347	2.0%	27.2	24.7	28.4	25.8	24.5	24.0	25.2	24.3
	2018	117,261	3.2%	121,837	2.1%	28.1	25.6	29.0	26.3	25.3	24.8	25.7	24.8
	2019	122,709	4.6%	124,061	1.8%	29.2	26.6	29.5	26.8	26.3	25.8	26.2	25.2
	2020	114,643	-6.6%	116,032	-6.5%	27.6	25.1	27.6	25.3	25.2	24.3	25.1	23.7
	2021	111,162	-3.0%	112,937	-2.7%	27.6	25.1	27.6	25.3	25.3	24.3	25.0	23.7
	2022	112,613	1.3%	113,099	0.1%	27.6	25.1	27.6	25.3	25.6	24.3	25.1	23.7
	2023	111,908	-0.6%	113,194	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.1	23.7
	2024	111,697	-0.2%	113,357	0.1%	27.6	25.1	27.6	25.3	25.4	24.3	25.1	23.7
	2025	112,870	1.1%	113,322	0.0%	27.6	25.1	27.6	25.3	25.6	24.3	25.0	23.7
	2026	112,263	-0.5%	113,465	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.1	23.7
	2027	112,338	0.1%	113,549	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.1	23.7
	2028	112,498	0.1%	113,697	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.1	23.7
	2029	112,456	0.0%	113,644	0.0%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2030	112,576	0.1%	113,765	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2031	112,643	0.1%	113,837	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2032	112,764	0.1%	113,958	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2033	112,698	-0.1%	113,890	-0.1%	27.6	25.1	27.6	25.3	25.1	24.3	25.0	23.7
	2034	112,811	0.1%	114,015	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2035	112,876	0.1%	114,073	0.1%	27.6	25.1	27.6	25.3	25.2	24.3	25.0	23.7
	2036	113,001	0.1%			27.6	25.1			25.2	24.3		
CAGR <sup>[1]</sup>	Historical		-1.2%		-1.6%	-0.7%	-1.3%	-0.1%	-1.6%	-0.6%	-1.2%	0.8%	-2.2%
	1st 10 Prj Yrs		-0.1%		-0.3%	0.2%	0.2%	-0.1%	0.0%	0.3%	0.1%	0.2%	0.0%
	2nd 10 Prj Yrs		0.1%		0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

\* 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 2017 Load Forecast - Base Case  
**Green Cove Springs (Forecast Limited by the CROD)**  
Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	8,499	7,972	7,930	110,818	111,412
	2016	9,610	8,383	7,952	8,039	9,664	11,042	12,184	11,886	10,514	9,070	8,045	8,945	115,334	113,675
Projected	2017	9,672	8,153	8,288	8,029	9,376	10,425	11,457	11,750	10,467	9,204	8,444	9,264	114,531	113,678
	2018	10,072	8,518	8,527	8,314	9,683	10,698	11,795	12,026	10,715	9,665	8,848	9,720	118,581	117,261
	2019	10,532	8,927	8,934	8,698	10,146	11,197	12,307	12,548	11,187	9,845	9,007	9,886	123,215	122,709
	2020	9,665	8,281	7,884	7,718	9,128	10,210	11,285	11,527	10,206	8,835	7,994	8,839	111,572	114,643
	2021	9,667	8,130	7,859	7,692	9,094	10,170	11,240	11,479	10,163	9,032	8,186	9,036	111,748	111,162
	2022	9,851	8,311	7,929	7,762	9,179	10,251	11,301	11,542	10,234	8,878	8,047	8,883	112,168	112,613
	2023	9,686	8,171	7,936	7,768	9,183	10,257	11,308	11,549	10,241	8,886	8,055	8,892	111,933	111,908
	2024	9,698	8,335	7,891	7,722	9,127	10,194	11,240	11,478	10,180	9,048	8,214	9,053	112,179	111,697
	2025	9,847	8,329	7,965	7,796	9,216	10,281	11,312	11,551	10,258	8,915	8,093	8,920	112,483	112,870
Projected	2026	9,705	8,207	7,973	7,802	9,220	10,287	11,319	11,558	10,265	8,921	8,099	8,927	112,283	112,263
	2027	9,716	8,215	7,980	7,807	9,224	10,291	11,325	11,564	10,270	8,927	8,106	8,937	112,360	112,338
	2028	9,730	8,380	7,975	7,801	9,215	10,283	11,319	11,559	10,267	8,923	8,101	8,931	112,484	112,498
	2029	9,728	8,222	7,994	7,817	9,231	10,302	11,341	11,580	10,286	8,939	8,115	8,947	112,500	112,456
	2030	9,749	8,237	8,001	7,821	9,234	10,306	11,348	11,587	10,292	8,944	8,119	8,952	112,589	112,576
	2031	9,757	8,242	8,009	7,827	9,238	10,311	11,355	11,593	10,297	8,947	8,121	8,955	112,652	112,643
	2032	9,764	8,399	8,007	7,822	9,229	10,303	11,347	11,583	10,289	8,939	8,113	8,946	112,740	112,764
	2033	9,758	8,239	8,023	7,836	9,244	10,320	11,367	11,604	10,307	8,954	8,127	8,962	112,742	112,698
	2034	9,779	8,255	8,028	7,839	9,246	10,324	11,373	11,610	10,313	8,959	8,131	8,967	112,826	112,811
	2035	9,788	8,261	8,034	7,843	9,248	10,328	11,380	11,616	10,319	8,964	8,135	8,972	112,890	112,876
	2036	9,797	8,419	8,030	7,837	9,239	10,319	11,371	11,607	10,311	8,956	8,127	8,964	112,978	113,001

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.3%	7.7%	7.1%	7.6%	8.9%	9.5%	10.0%	9.9%	8.9%	7.7%	7.2%	7.2%	100.0%
	2016	8.3%	7.3%	6.9%	7.0%	8.4%	9.6%	10.6%	10.3%	9.1%	7.9%	7.0%	7.8%	100.0%
Projected	2017	8.4%	7.1%	7.2%	7.0%	8.2%	9.1%	10.0%	10.3%	9.1%	8.0%	7.4%	8.1%	100.0%
	2018	8.5%	7.2%	7.2%	7.0%	8.2%	9.0%	9.9%	10.1%	9.0%	8.2%	7.5%	8.2%	100.0%
	2019	8.5%	7.2%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2020	8.7%	7.4%	7.1%	6.9%	8.2%	9.2%	10.1%	10.3%	9.1%	7.9%	7.2%	7.9%	100.0%
	2021	8.7%	7.3%	7.0%	6.9%	8.1%	9.1%	10.1%	10.3%	9.1%	8.1%	7.3%	8.1%	100.0%
	2022	8.8%	7.4%	7.1%	6.9%	8.2%	9.1%	10.1%	10.3%	9.1%	7.9%	7.2%	7.9%	100.0%
	2023	8.7%	7.3%	7.1%	6.9%	8.2%	9.2%	10.1%	10.3%	9.1%	7.9%	7.2%	7.9%	100.0%
	2024	8.6%	7.4%	7.0%	6.9%	8.1%	9.1%	10.0%	10.2%	9.1%	8.1%	7.3%	8.1%	100.0%
	2025	8.8%	7.4%	7.1%	6.9%	8.2%	9.1%	10.1%	10.3%	9.1%	7.9%	7.2%	7.9%	100.0%
	2026	8.6%	7.3%	7.1%	6.9%	8.2%	9.2%	10.1%	10.3%	9.1%	7.9%	7.2%	8.0%	100.0%
Avg.	2007-2016	8.4%	7.3%	7.2%	7.3%	8.6%	9.4%	10.0%	10.2%	9.2%	7.9%	6.9%	7.6%	100.0%
	2017-2026	8.6%	7.3%	7.1%	7.0%	8.2%	9.1%	10.0%	10.3%	9.1%	8.0%	7.3%	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 Fe

FMPA 2017 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	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	19.2	19.7	14.9	27.5	24.6
	2016	26.1	24.8	16.7	19.1	22.7	24.5	25.1	25.0	21.7	20.7	16.7	20.7	26.1	25.1
Projected	2017	24.9	27.2	18.7	18.1	21.5	24.0	23.5	24.7	22.7	20.4	17.3	21.4	27.2	24.7
	2018	25.8	28.1	19.4	18.7	22.3	24.9	24.4	25.6	23.5	21.1	18.0	22.3	28.1	25.6
	2019	26.8	29.2	20.1	19.5	23.1	25.9	25.3	26.6	24.4	21.9	18.3	22.6	29.2	26.6
	2020	25.7	27.6	18.6	18.0	21.6	24.3	23.8	25.1	22.9	20.4	16.8	21.1	27.6	25.1
	2021	25.8	27.6	18.6	18.0	21.6	24.3	23.8	25.1	22.9	20.4	17.0	21.4	27.6	25.1
	2022	26.1	27.6	18.6	18.0	21.6	24.3	23.8	25.1	22.9	20.4	16.7	21.1	27.6	25.1
	2023	25.7	27.6	18.6	18.0	21.6	24.3	23.8	25.1	22.9	20.5	16.8	21.2	27.6	25.1
	2024	25.9	27.6	18.6	18.0	21.6	24.4	23.8	25.1	22.9	20.5	17.0	21.4	27.6	25.1
	2025	26.1	27.6	18.6	18.0	21.6	24.4	23.8	25.1	22.9	20.5	16.8	21.1	27.6	25.1
Projected	2027	25.7	27.6	18.6	18.0	21.6	24.4	23.8	25.1	22.9	20.5	16.8	21.1	27.6	25.1
	2028	25.8	27.6	18.6	18.0	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2029	25.7	27.6	18.6	18.0	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2030	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2031	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2032	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2033	25.6	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2034	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2035	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1
	2036	25.7	27.6	18.7	18.1	21.7	24.4	23.8	25.1	23.0	20.5	16.8	21.1	27.6	25.1

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	59.6%	54.4%	74.1%	45.9%	51.4%
Projected	2016	49.5%	48.7%	64.0%	56.5%	63.5%	60.6%	67.4%	63.8%	67.2%	58.9%	64.8%	60.1%	50.4%	52.4%
	2017	52.1%	44.7%	59.5%	59.6%	64.9%	58.3%	67.6%	63.8%	64.0%	60.6%	65.7%	60.1%	48.2%	52.8%
	2018	52.4%	45.1%	59.1%	59.6%	64.8%	57.8%	67.2%	63.1%	63.3%	61.5%	66.2%	60.7%	48.2%	52.8%
	2019	52.8%	45.5%	59.6%	60.0%	65.3%	58.2%	67.5%	63.4%	63.6%	60.3%	66.3%	60.7%	48.2%	52.8%
	2020	50.5%	43.1%	57.1%	57.7%	62.9%	56.4%	65.9%	61.7%	61.8%	58.1%	64.1%	58.1%	46.1%	50.7%
	2021	50.4%	43.8%	56.9%	57.5%	62.6%	56.2%	65.6%	61.5%	61.6%	59.4%	64.7%	58.5%	46.2%	50.8%
	2022	50.6%	44.8%	57.3%	58.0%	63.2%	56.6%	65.9%	61.8%	62.0%	58.4%	64.7%	58.6%	46.3%	51.0%
	2023	50.7%	44.0%	57.4%	58.0%	63.2%	56.6%	66.0%	61.8%	62.0%	58.4%	64.3%	58.2%	46.3%	50.9%
	2024	50.4%	43.3%	57.0%	57.6%	62.8%	56.3%	65.6%	61.4%	61.6%	59.4%	64.9%	58.7%	46.4%	51.0%
Avg.	2007-2016	49.2%	49.2%	59.9%	61.1%	69.0%	60.9%	67.2%	64.2%	64.8%	60.2%	58.4%	60.2%	48.2%	52.9%
	2017-2026	51.1%	44.3%	57.9%	58.4%	63.6%	57.0%	66.3%	62.2%	62.4%	59.3%	65.1%	59.1%	46.9%	51.5%

\* 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

FMPA 2017 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	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	19.2	19.6	14.8	27.5	23.1
	2016	26.1	24.8	16.3	19.1	22.7	24.5	24.4	24.9	21.0	19.4	16.2	18.8	24.8	24.4
Projected	2017	24.5	27.2	17.5	17.5	20.9	23.3	22.4	24.0	22.0	19.1	16.8	19.4	24.5	24.0
	2018	25.3	28.1	18.1	18.2	21.6	24.1	23.1	24.8	22.7	19.8	17.5	20.2	25.3	24.8
	2019	26.3	29.2	18.9	18.9	22.4	25.1	24.1	25.8	23.6	20.6	17.8	20.5	26.3	25.8
	2020	25.2	27.6	17.3	17.3	20.9	23.6	22.5	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2021	25.3	27.6	17.3	17.4	20.9	23.6	22.5	24.3	22.1	19.1	16.5	19.3	25.3	24.3
	2022	25.6	27.6	17.3	17.4	20.9	23.6	22.5	24.3	22.1	19.1	16.2	19.0	25.6	24.3
	2023	25.2	27.6	17.3	17.4	20.9	23.6	22.5	24.3	22.1	19.1	16.3	19.1	25.2	24.3
	2024	25.4	27.6	17.3	17.4	20.9	23.6	22.6	24.3	22.1	19.1	16.5	19.3	25.4	24.3
	2025	25.6	27.6	17.3	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.2	19.0	25.6	24.3
Projected	2026	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2027	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2028	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2029	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2030	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.1	19.1	16.3	19.0	25.2	24.3
	2031	25.2	27.6	17.4	17.4	21.0	23.6	22.6	24.3	22.2	19.1	16.3	19.0	25.2	24.3
	2032	25.2	27.6	17.4	17.5	21.0	23.6	22.6	24.3	22.2	19.1	16.3	19.0	25.2	24.3
	2033	25.1	27.6	17.4	17.5	21.0	23.6	22.6	24.3	22.2	19.2	16.3	19.0	25.1	24.3
	2034	25.2	27.6	17.4	17.5	21.0	23.6	22.6	24.3	22.2	19.2	16.3	19.0	25.2	24.3
	2035	25.2	27.6	17.4	17.5	21.0	23.6	22.6	24.3	22.2	19.2	16.3	19.0	25.2	24.3
	2036	25.2	27.6	17.4	17.5	21.0	23.6	22.6	24.3	22.2	19.2	16.3	19.0	25.2	24.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	100.0%	99.5%	99.8%	100.0%	93.7%
	2016	100.0%	100.0%	97.5%	100.0%	100.0%	100.0%	97.3%	99.4%	96.7%	93.8%	97.2%	90.7%	94.8%	97.3%
Projected	2017	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2018	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2019	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2020	98.0%	100.0%	93.1%	96.6%	96.8%	96.9%	94.7%	96.6%	96.4%	93.3%	97.0%	90.0%	91.2%	96.6%
	2021	98.0%	100.0%	93.1%	96.6%	96.8%	96.9%	94.7%	96.6%	96.4%	93.3%	97.0%	90.0%	91.5%	96.6%
	2022	98.0%	100.0%	93.1%	96.6%	96.8%	96.9%	94.7%	96.6%	96.4%	93.3%	97.0%	90.0%	92.7%	96.6%
	2023	98.0%	100.0%	93.2%	96.6%	96.8%	96.9%	94.7%	96.6%	96.4%	93.3%	97.0%	90.0%	91.1%	96.7%
	2024	98.0%	100.0%	93.2%	96.6%	96.8%	96.9%	94.7%	96.7%	96.4%	93.3%	97.0%	90.0%	91.8%	96.7%
	2025	98.0%	100.0%	93.2%	96.6%	96.8%	96.9%	94.7%	96.7%	96.4%	93.4%	97.0%	90.0%	92.6%	96.7%
	2026	98.0%	100.0%	93.2%	96.6%	96.8%	96.9%	94.7%	96.7%	96.5%	93.4%	97.0%	90.1%	91.1%	96.7%
2007-2016		98.3%	97.6%	91.5%	97.0%	96.9%	98.1%	97.0%	96.4%	97.1%	97.0%	85.9%	91.5%	95.2%	96.0%
2017-2026		98.0%	100.0%	93.3%	96.7%	96.9%	96.9%	94.8%	96.7%	96.5%	93.5%	97.1%	90.2%	91.2%	96.7%

\* 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

FMPA 2017 Load Forecast - Base Case  
**Green Cove Springs (Full Requirements Forecast)**  
 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)				
		Year		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)
Historical	2007	126,976	-	128,327	-	1.1%	23.8	-	29.9	-	25.5%	27.5	-	26.7	-	-3.0%
	2008	126,805	-0.1%	127,568	-0.6%	0.6%	26.0	9.5%	28.0	-6.0%	7.7%	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%	30.1	7.4%	-4.2%	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%	29.3	-2.7%	-12.9%	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%	30.7	4.7%	3.6%	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%	26.3	-14.2%	-0.9%	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%	26.4	0.1%	8.2%	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%	26.4	0.2%	9.0%	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%	26.6	0.6%	-3.5%	23.1	7.7%	26.6	21.2%	15.5%
	2016	113,675	2.0%	110,050	1.4%	-3.2%	24.8	-10.1%	27.1	2.1%	9.5%	24.4	5.9%	24.7	-7.2%	1.2%
Projected	2017	113,678	0.0%	113,678	3.3%		24.5	-1.2%	24.5	-9.8%		24.0	-1.9%	24.0	-3.1%	
	2018			117,261	3.2%				25.3	3.5%				24.8	3.5%	
	2019			122,709	4.6%				26.3	3.9%				25.8	3.9%	
	2020			124,881	1.8%				26.8	1.7%				26.2	1.7%	
	2021			126,788	1.5%				27.3	2.1%				26.8	2.1%	
	2022			131,806	4.0%				28.3	3.4%				27.7	3.4%	
	2023			133,982	1.7%				28.7	1.7%				28.1	1.7%	
	2024			136,402	1.8%				29.4	2.3%				28.8	2.3%	
	2025			141,449	3.7%				30.3	3.2%				29.7	3.2%	
	2026			143,773	1.6%				30.8	1.6%				30.2	1.6%	
	2027			146,138	1.6%				31.3	1.6%				30.7	1.6%	
	2028			148,817	1.8%				31.9	1.8%				31.3	1.8%	
	2029			151,164	1.6%				32.4	1.6%				31.7	1.6%	
	2030			153,668	1.7%				32.9	1.7%				32.3	1.7%	
	2031			156,157	1.6%				33.5	1.6%				32.8	1.6%	
	2032			158,790	1.7%				34.0	1.7%				33.3	1.7%	
	2033			160,994	1.4%				34.5	1.4%				33.8	1.4%	
	2034			163,412	1.5%				35.0	1.5%				34.3	1.5%	
	2035			165,881	1.5%				35.5	1.5%				34.8	1.5%	
	2036			168,581	1.6%				36.1	1.6%				35.4	1.6%	
CAGR <sup>[3]</sup>	2007-2016		-1.2%		-1.7%			0.4%		-1.1%			-1.3%		-0.9%	
	2017-2026				2.6%					2.6%					2.6%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate



**FMPA 2017 Load Forecast - Base Case**  
**Green Cove Springs (Full Requirements Forecast)**  
**2017 v. 2016 (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	2007	126,976	-	126,976	-	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%	111,412	0.9%	27.5	24.6	27.5	24.6	27.5	23.1	27.5	23.1
	2016	113,675	2.0%	116,955	5.0%	26.1	25.1	27.8	25.3	24.8	24.4	24.7	23.8
Projected	2017	113,678	0.0%	119,347	2.0%	27.2	24.7	28.4	25.8	24.5	24.0	25.2	24.3
	2018	117,261	3.2%	121,837	2.1%	28.1	25.6	29.0	26.3	25.3	24.8	25.7	24.8
	2019	122,709	4.6%	124,061	1.8%	29.2	26.6	29.5	26.8	26.3	25.8	26.2	25.2
	2020	124,881	1.8%	126,387	1.9%	29.7	27.1	30.0	27.3	26.8	26.2	26.7	25.7
	2021	126,788	1.5%	128,454	1.6%	30.3	27.6	30.5	27.7	27.3	26.8	27.1	26.1
	2022	131,806	4.0%	130,759	1.8%	31.4	28.6	31.1	28.2	28.3	27.7	27.6	26.6
	2023	133,982	1.7%	133,117	1.8%	31.9	29.1	31.6	28.8	28.7	28.1	28.1	27.1
	2024	136,402	1.8%	135,705	1.9%	32.6	29.7	32.3	29.3	29.4	28.8	28.6	27.6
	2025	141,449	3.7%	137,982	1.7%	33.7	30.7	32.8	29.8	30.3	29.7	29.1	28.0
	2026	143,773	1.6%	140,450	1.8%	34.2	31.2	33.4	30.3	30.8	30.2	29.6	28.5
	2027	146,138	1.6%	142,946	1.8%	34.8	31.7	34.0	30.9	31.3	30.7	30.1	29.0
	2028	148,817	1.8%	145,640	1.9%	35.4	32.3	34.6	31.5	31.9	31.3	30.7	29.6
	2029	151,164	1.6%	147,938	1.6%	36.0	32.8	35.1	31.9	32.4	31.7	31.2	30.1
	2030	153,668	1.7%	150,395	1.7%	36.6	33.3	35.7	32.5	32.9	32.3	31.7	30.6
	2031	156,157	1.6%	152,852	1.6%	37.2	33.9	36.3	33.0	33.5	32.8	32.2	31.0
	2032	158,790	1.7%	155,442	1.7%	37.8	34.4	36.9	33.6	34.0	33.3	32.8	31.6
	2033	160,994	1.4%	157,625	1.4%	38.3	34.9	37.4	34.0	34.5	33.8	33.2	32.0
	2034	163,412	1.5%	160,032	1.5%	38.9	35.4	38.0	34.5	35.0	34.3	33.7	32.5
	2035	165,881	1.5%	162,458	1.5%	39.5	36.0	38.6	35.1	35.5	34.8	34.2	33.0
	2036	168,581	1.6%			40.1	36.5			36.1	35.4		
CAGR <sup>[1]</sup>	Historical		-1.2%		-1.6%	-0.7%	-1.3%	-0.1%	-1.6%	-0.6%	-1.2%	0.8%	-2.2%
	1st 10 Prj Yrs		2.6%		1.9%	2.6%	2.6%	1.9%	1.9%	2.6%	2.6%	1.9%	1.9%
	2nd 10 Prj Yrs		1.6%		1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%

[1] CAGR - Compound Annual Growth Rate

FMPA 2017 Load Forecast - Base Case  
**Green Cove Springs (Full Requirements Forecast)**  
Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	8,499	7,972	7,930	110,818	111,412
	2016	9,610	8,383	7,952	8,039	9,664	11,042	12,184	11,886	10,514	9,070	8,045	8,945	115,334	113,675
Projected	2017	9,672	8,153	8,288	8,029	9,376	10,425	11,457	11,750	10,467	9,204	8,444	9,264	114,531	113,678
	2018	10,072	8,518	8,527	8,314	9,683	10,698	11,795	12,026	10,715	9,665	8,848	9,720	118,581	117,261
	2019	10,532	8,927	8,934	8,698	10,146	11,197	12,307	12,548	11,187	9,845	9,007	9,886	123,215	122,709
	2020	10,713	9,228	9,076	8,835	10,303	11,373	12,500	12,746	11,368	10,004	9,154	10,049	125,350	124,881
	2021	10,892	9,225	9,228	8,982	10,474	11,561	12,707	12,956	11,554	10,409	9,535	10,453	127,977	126,788
	2022	11,302	9,597	9,594	9,342	10,902	12,026	13,190	13,449	12,007	10,578	9,689	10,623	132,299	131,806
	2023	11,489	9,755	9,752	9,495	11,081	12,225	13,411	13,675	12,209	10,754	9,850	10,801	134,497	133,982
	2024	11,685	10,088	9,915	9,653	11,265	12,430	13,638	13,907	12,415	11,176	10,245	11,221	137,639	136,402
	2025	12,114	10,306	10,296	10,027	11,708	12,912	14,141	14,419	12,884	11,358	10,411	11,404	141,979	141,449
	2026	12,316	10,476	10,464	10,190	11,897	13,124	14,376	14,659	13,098	11,544	10,580	11,592	144,316	143,773
Projected	2027	12,523	10,649	10,636	10,355	12,090	13,340	14,614	14,901	13,315	11,734	10,754	11,785	146,695	146,138
	2028	12,738	11,015	10,815	10,529	12,293	13,569	14,871	15,164	13,549	11,936	10,936	11,987	149,403	148,817
	2029	12,962	11,016	10,999	10,705	12,498	13,798	15,125	15,422	13,779	12,135	11,116	12,185	151,739	151,164
	2030	13,183	11,200	11,180	10,879	12,700	14,026	15,377	15,680	14,008	12,333	11,295	12,383	154,244	153,668
	2031	13,403	11,384	11,360	11,053	12,901	14,251	15,627	15,934	14,233	12,527	11,470	12,577	156,721	156,157
	2032	13,619	11,760	11,537	11,222	13,098	14,472	15,872	16,182	14,454	12,718	11,643	12,767	159,343	158,790
	2033	13,831	11,740	11,710	11,389	13,292	14,690	16,114	16,428	14,673	12,907	11,814	12,957	161,545	160,994
	2034	14,043	11,916	11,885	11,557	13,488	14,910	16,359	16,679	14,896	13,101	11,989	13,152	163,975	163,412
	2035	14,260	12,098	12,063	11,729	13,688	15,135	16,610	16,934	15,123	13,297	12,168	13,349	166,453	165,881
	2036	14,480	12,490	12,243	11,902	13,889	15,362	16,861	17,190	15,350	13,494	12,345	13,546	169,153	168,581

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.3%	7.7%	7.1%	7.6%	8.9%	9.5%	10.0%	9.9%	8.9%	7.7%	7.2%	7.2%	100.0%
	2016	8.3%	7.3%	6.9%	7.0%	8.4%	9.6%	10.6%	10.3%	9.1%	7.9%	7.0%	7.8%	100.0%
Projected	2017	8.4%	7.1%	7.2%	7.0%	8.2%	9.1%	10.0%	10.3%	9.1%	8.0%	7.4%	8.1%	100.0%
	2018	8.5%	7.2%	7.2%	7.0%	8.2%	9.0%	9.9%	10.1%	9.0%	8.2%	7.5%	8.2%	100.0%
	2019	8.5%	7.2%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2020	8.5%	7.4%	7.2%	7.0%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2021	8.5%	7.2%	7.2%	7.0%	8.2%	9.0%	9.9%	10.1%	9.0%	8.1%	7.5%	8.2%	100.0%
	2022	8.5%	7.3%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2023	8.5%	7.3%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2024	8.5%	7.3%	7.2%	7.0%	8.2%	9.0%	9.9%	10.1%	9.0%	8.1%	7.4%	8.2%	100.0%
	2025	8.5%	7.3%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2026	8.5%	7.3%	7.3%	7.1%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
Avg.	2007-2016	8.4%	7.3%	7.2%	7.3%	8.6%	9.4%	10.0%	10.2%	9.2%	7.9%	6.9%	7.6%	100.0%
	2017-2026	8.5%	7.2%	7.2%	7.0%	8.2%	9.1%	10.0%	10.2%	9.1%	8.0%	7.4%	8.1%	100.0%

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FMPA 2017 Load Forecast - Base Case  
**Green Cove Springs (Full Requirements Forecast)**  
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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	19.2	19.7	14.9	27.5	24.6
	2016	26.1	24.8	16.7	19.1	22.7	24.5	25.1	25.0	21.7	20.7	16.7	20.7	26.1	25.1
Projected	2017	24.9	27.2	18.7	18.1	21.5	24.0	23.5	24.7	22.7	20.4	17.3	21.4	27.2	24.7
	2018	25.8	28.1	19.4	18.7	22.3	24.9	24.4	25.6	23.5	21.1	18.0	22.3	28.1	25.6
	2019	26.8	29.2	20.1	19.5	23.1	25.9	25.3	26.6	24.4	21.9	18.3	22.6	29.2	26.6
	2020	27.3	29.7	20.5	19.8	23.5	26.3	25.8	27.1	24.9	22.3	18.7	23.1	29.7	27.1
	2021	27.9	30.3	20.9	20.2	24.0	26.9	26.3	27.6	25.4	22.8	19.3	23.9	30.3	27.6
	2022	28.8	31.4	21.6	20.9	24.8	27.8	27.2	28.6	26.2	23.6	19.6	24.3	31.4	28.6
	2023	29.3	31.9	22.0	21.3	25.2	28.2	27.6	29.1	26.7	24.0	20.1	24.9	31.9	29.1
	2024	30.0	32.6	22.5	21.8	25.8	28.9	28.3	29.7	27.3	24.5	20.7	25.6	32.6	29.7
	2025	30.9	33.7	23.2	22.4	26.6	29.8	29.2	30.7	28.2	25.3	21.0	26.1	33.7	30.7
Projected	2026	31.4	34.2	23.6	22.8	27.1	30.3	29.6	31.2	28.6	25.7	21.4	26.5	34.2	31.2
	2027	31.9	34.8	24.0	23.2	27.5	30.8	30.1	31.7	29.1	26.1	21.8	27.0	34.8	31.7
	2028	32.5	35.4	24.4	23.6	28.0	31.4	30.7	32.3	29.6	26.6	22.1	27.4	35.4	32.3
	2029	33.0	36.0	24.8	24.0	28.5	31.8	31.2	32.8	30.1	27.0	22.5	27.9	36.0	32.8
	2030	33.6	36.6	25.2	24.4	28.9	32.4	31.7	33.3	30.6	27.5	22.8	28.3	36.6	33.3
	2031	34.1	37.2	25.6	24.8	29.4	32.9	32.2	33.9	31.1	27.9	23.2	28.8	37.2	33.9
	2032	34.7	37.8	26.0	25.2	29.9	33.4	32.7	34.4	31.6	28.4	23.5	29.2	37.8	34.4
	2033	35.2	38.3	26.4	25.5	30.3	33.9	33.2	34.9	32.0	28.8	23.9	29.6	38.3	34.9
	2034	35.7	38.9	26.8	25.9	30.8	34.4	33.7	35.4	32.5	29.2	24.3	30.1	38.9	35.4
Projected	2035	36.2	39.5	27.2	26.3	31.2	34.9	34.2	36.0	33.0	29.6	24.7	30.5	39.5	36.0
	2036	36.8	40.1	27.6	26.7	31.7	35.5	34.7	36.5	33.6	30.1	25.0	31.0	40.1	36.5

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	59.6%	54.4%	74.1%	45.9%	51.4%
Projected	2016	49.5%	48.7%	64.0%	56.5%	63.5%	60.6%	67.4%	63.8%	67.2%	58.9%	64.8%	60.1%	50.4%	52.4%
	2017	52.1%	44.7%	59.5%	59.6%	64.9%	58.3%	67.6%	63.8%	64.0%	60.6%	65.7%	60.1%	48.2%	52.8%
	2018	52.4%	45.1%	59.1%	59.6%	64.8%	57.8%	67.2%	63.1%	63.3%	61.5%	66.2%	60.7%	48.2%	52.8%
	2019	52.8%	45.5%	59.6%	60.0%	65.3%	58.2%	67.5%	63.4%	63.6%	60.3%	66.3%	60.7%	48.2%	52.8%
	2020	52.8%	44.6%	59.6%	59.9%	65.2%	58.1%	67.4%	63.3%	63.5%	60.2%	66.0%	60.4%	48.2%	52.8%
	2021	52.6%	45.3%	59.3%	59.7%	64.9%	57.9%	67.1%	63.0%	63.2%	61.4%	66.5%	60.8%	48.2%	52.8%
	2022	52.7%	45.5%	59.6%	60.0%	65.3%	58.2%	67.4%	63.2%	63.5%	60.3%	66.4%	60.7%	48.2%	52.8%
	2023	52.7%	45.5%	59.6%	60.0%	65.3%	58.2%	67.4%	63.3%	63.6%	60.3%	66.0%	60.4%	48.2%	52.8%
	2024	52.4%	44.4%	59.3%	59.6%	64.9%	57.8%	67.0%	62.9%	63.2%	61.3%	66.5%	60.8%	48.2%	52.8%
Projected	2025	52.7%	45.6%	59.6%	60.0%	65.4%	58.2%	67.3%	63.2%	63.5%	60.4%	66.5%	60.8%	48.2%	52.8%
	2026	52.7%	45.6%	59.6%	60.0%	65.4%	58.2%	67.3%	63.2%	63.6%	60.4%	66.5%	60.8%	48.2%	52.8%
Avg.	2007-2016	49.2%	49.2%	59.9%	61.1%	69.0%	60.9%	67.2%	64.2%	64.8%	60.2%	58.4%	60.2%	48.2%	52.9%
	2017-2026	52.6%	45.2%	59.5%	59.9%	65.1%	58.1%	67.3%	63.2%	63.5%	60.7%	66.3%	60.6%	48.2%	52.8%

FMPA 2017 Load Forecast - Base Case  
**Green Cove Springs (Full Requirements Forecast)**  
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	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	19.2	19.6	14.8	27.5	23.1
Projected	2016	26.1	24.8	16.3	19.1	22.7	24.5	24.4	24.9	21.0	19.4	16.2	18.8	24.8	24.4
	2017	24.5	27.2	17.5	17.5	20.9	23.3	22.4	24.0	22.0	19.1	16.8	19.4	24.5	24.0
	2018	25.3	28.1	18.1	18.2	21.6	24.1	23.1	24.8	22.7	19.8	17.5	20.2	25.3	24.8
	2019	26.3	29.2	18.9	18.9	22.4	25.1	24.1	25.8	23.6	20.6	17.8	20.5	26.3	25.8
	2020	26.8	29.7	19.2	19.2	22.8	25.5	24.5	26.2	24.0	20.9	18.1	21.0	26.8	26.2
	2021	27.3	30.3	19.6	19.6	23.3	26.1	25.0	26.8	24.5	21.4	18.7	21.7	27.3	26.8
	2022	28.3	31.4	20.2	20.2	24.1	26.9	25.8	27.7	25.4	22.1	19.1	22.0	28.3	27.7
	2023	28.7	31.9	20.6	20.6	24.5	27.4	26.3	28.1	25.8	22.5	19.5	22.5	28.7	28.1
	2024	29.4	32.6	21.1	21.1	25.1	28.0	26.9	28.8	26.4	23.0	20.1	23.2	29.4	28.8
Projected	2025	30.3	33.7	21.7	21.7	25.8	28.9	27.7	29.7	27.2	23.7	20.4	23.6	30.3	29.7
	2026	30.8	34.2	22.1	22.1	26.3	29.4	28.2	30.2	27.7	24.1	20.8	24.0	30.8	30.2
	2027	31.3	34.8	22.4	22.5	26.7	29.9	28.6	30.7	28.1	24.5	21.2	24.5	31.3	30.7
	2028	31.9	35.4	22.9	22.9	27.2	30.4	29.2	31.3	28.6	24.9	21.5	24.8	31.9	31.3
	2029	32.4	36.0	23.2	23.2	27.6	30.9	29.6	31.7	29.1	25.3	21.9	25.3	32.4	31.7
	2030	32.9	36.6	23.6	23.6	28.1	31.4	30.1	32.3	29.6	25.8	22.2	25.7	32.9	32.3
	2031	33.5	37.2	24.0	24.0	28.5	31.9	30.6	32.8	30.0	26.2	22.6	26.1	33.5	32.8
	2032	34.0	37.8	24.4	24.4	29.0	32.5	31.1	33.3	30.5	26.6	22.9	26.4	34.0	33.3
	2033	34.5	38.3	24.7	24.7	29.4	32.9	31.5	33.8	31.0	27.0	23.2	26.8	34.5	33.8
	2034	35.0	38.9	25.1	25.1	29.9	33.4	32.0	34.3	31.4	27.4	23.6	27.3	35.0	34.3
	2035	35.5	39.5	25.5	25.5	30.3	33.9	32.5	34.8	31.9	27.8	24.0	27.7	35.5	34.8
	2036	36.1	40.1	25.9	25.9	30.8	34.4	33.0	35.4	32.4	28.2	24.3	28.1	36.1	35.4

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	100.0%	99.5%	99.8%	100.0%	93.7%
	2016	100.0%	100.0%	97.5%	100.0%	100.0%	100.0%	97.3%	99.4%	96.7%	93.8%	97.2%	90.7%	94.8%	97.3%
Projected	2017	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2018	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2019	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2020	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2021	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2022	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2023	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2024	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2025	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
	2026	98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%
2007-2016		98.3%	97.6%	91.5%	97.0%	96.9%	98.1%	97.0%	96.4%	97.1%	97.0%	85.9%	91.5%	95.2%	96.0%
2017-2026		98.1%	100.0%	93.6%	96.8%	97.0%	97.0%	95.0%	96.8%	96.6%	93.8%	97.2%	90.7%	90.1%	96.8%

FMPA 2017 Load Forecast - Base Case - Green Cove Springs

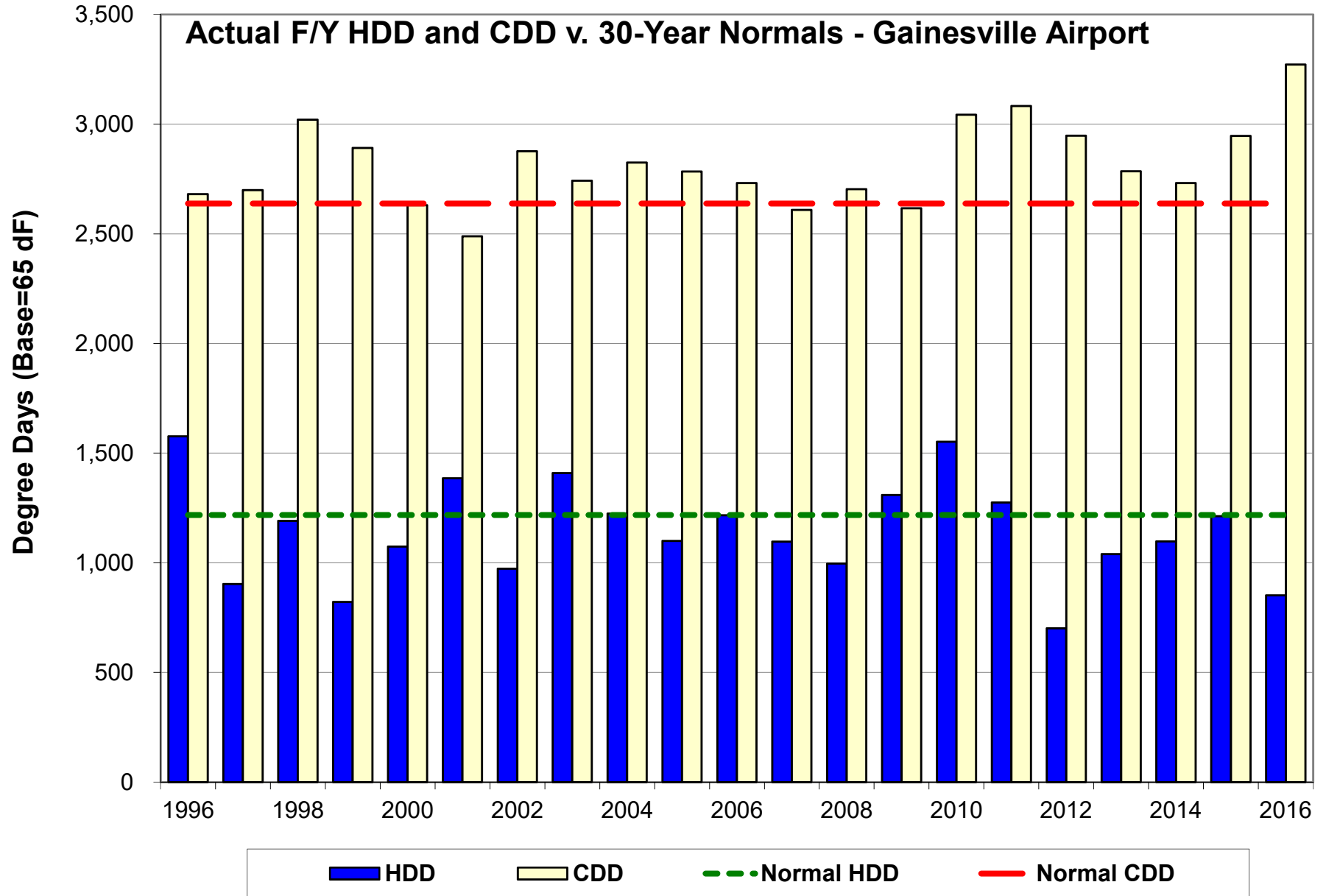
Historical and Projected - Energy Sales by Customer Class  
(Fiscal Year 2007-2036)

		Residential						General Service Non-Demand						General Service Demand						Large Service Demand						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	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	(MWh)	% Chg		
																																LOSSES	
Fiscal Year																																	
Historical	2007	44,230		3,139		14,090		10,719		508		21.1		43,989		108		409		15,088		6		2,624		2,991		117,017		9,959		126,976	
	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%	
2016	49,112	5.0%	3,307	3.8%	14,849	1.1%	11,574	8.2%	556	4.4%	20.8	3.6%	46,737	-0.1%	95	-2.8%	495	2.8%	0	0.0%	0	0.0%	0	0.0%	3,616	7.6%	111,039	3.2%	2,636		113,675	2.0%	
Projected	2017	49,620	1.0%	3,488	5.5%	14,226	-4.2%	11,190	-3.3%	567	1.9%	19.7	-5.1%	43,290	-7.4%	97	2.8%	446	-9.9%	0	0.0%	0	0.0%	0	0.0%	3,410	-5.7%	107,510	-3.2%	6,168		113,678	0.0%
	2018	51,969	4.7%	3,633	4.2%	14,304	0.5%	11,365	1.6%	572	0.9%	19.9	0.6%	43,905	1.4%	100	2.4%	441	-1.0%	0	0.0%	0	0.0%	0	0.0%	3,405	-0.2%	110,644	2.9%	6,617		117,261	3.2%
	2019	53,404	2.8%	3,689	1.5%	14,476	1.2%	11,569	1.8%	578	1.1%	20.0	0.7%	44,592	1.6%	101	1.2%	443	0.3%	2,768	0.0%	1	0.0%	2,768	0.0%	3,451	1.4%	115,785	4.6%	6,924		122,709	4.6%
	2020	54,342	1.8%	3,737	1.3%	14,542	0.5%	11,780	1.8%	585	1.2%	20.1	0.6%	45,294	1.6%	102	0.8%	446	0.8%	2,768	0.0%	1	0.0%	2,768	0.0%	3,506	1.6%	117,690	1.6%	7,191		124,881	1.8%
	2021	55,312	1.8%	3,786	1.3%	14,608	0.4%	11,992	1.8%	592	1.2%	20.2	0.6%	46,000	1.6%	102	0.7%	450	0.9%	2,768	0.0%	1	0.0%	2,768	0.0%	3,564	1.6%	119,635	1.7%	7,153		126,788	1.5%
	2022	56,307	1.8%	3,838	1.4%	14,670	0.4%	12,204	1.8%	600	1.2%	20.4	0.6%	46,701	1.5%	103	0.6%	454	0.9%	5,536	100.0%	2	100.0%	2,768	0.0%	3,622	1.6%	124,371	4.0%	7,436		131,806	4.0%
	2023	57,360	1.9%	3,890	1.3%	14,746	0.5%	12,422	1.8%	607	1.2%	20.5	0.5%	47,424	1.5%	103	0.6%	459	1.0%	5,536	0.0%	2	0.0%	2,768	0.0%	3,682	1.6%	126,424	1.7%	7,558		133,982	1.7%
	2024	58,480	2.0%	3,944	1.4%	14,829	0.6%	12,641	1.8%	614	1.2%	20.6	0.5%	48,148	1.5%	104	0.6%	463	1.0%	5,536	0.0%	2	0.0%	2,768	0.0%	3,741	1.6%	128,548	1.7%	7,854		136,402	1.8%
	2025	59,627	2.0%	3,997	1.4%	14,917	0.6%	12,862	1.7%	622	1.2%	20.7	0.5%	48,875	1.5%	105	0.6%	468	0.9%	8,305	50.0%	3	50.0%	2,768	0.0%	3,801	1.6%	133,470	3.8%	7,979		141,449	3.7%
	2026	60,800	2.0%	4,051	1.4%	15,007	0.6%	13,086	1.7%	629	1.2%	20.8	0.5%	49,610	1.5%	105	0.6%	472	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	3,862	1.6%	135,663	1.6%	8,110		143,773	1.6%
	2027	62,014	2.0%	4,107	1.4%	15,100	0.6%	13,310	1.7%	637	1.2%	20.9	0.5%	50,344	1.5%	106	0.5%	476	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	3,923	1.6%	137,895	1.6%	8,243		146,138	1.6%
	2028	63,352	2.2%	4,169	1.5%	15,195	0.6%	13,533	1.7%	644	1.2%	21.0	0.5%	51,075	1.5%	106	0.5%	481	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	3,983	1.5%	140,249	1.7%	8,568		148,817	1.8%
	2029	64,729	2.2%	4,233	1.5%	15,290	0.6%	13,757	1.6%	651	1.1%	21.1	0.5%	51,804	1.4%	107	0.5%	485	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	4,044	1.5%	142,638	1.7%	8,526		151,164	1.6%
	2030	66,082	2.1%	4,295	1.5%	15,385	0.6%	13,980	1.6%	659	1.1%	21.2	0.5%	52,531	1.4%	107	0.5%	489	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	4,104	1.5%	145,001	1.7%	8,667		153,668	1.7%
	2031	67,442	2.1%	4,356	1.4%	15,481	0.6%	14,199	1.6%	666	1.1%	21.3	0.5%	53,242	1.4%	108	0.5%	493	0.9%	8,305	0.0%	3	0.0%	2,768	0.0%	4,163	1.4%	147,351	1.6%	8,807		156,157	1.6%
	2032	68,785	2.0%	4,417	1.4%	15,574	0.6%	14,410	1.5%	673	1.0%	21.4	0.5%	53,929	1.3%	108	0.5%	497	0.8%	8,305	0.0%	3	0.0%	2,768	0.0%	4,220	1.4%	149,649	1.6%	9,141		158,790	1.7%
2033	70,094	1.9%	4,474	1.3%	15,666	0.6%	14,623	1.5%	680	1.0%	21.5	0.4%	54,617	1.3%	109	0.5%	501	0.8%	8,305	0.0%	3	0.0%	2,768	0.0%	4,278	1.4%	151,915	1.5%	9,079		160,994	1.4%	
2034	71,418	1.9%	4,533	1.3%	15,756	0.6%	14,836	1.5%	687	1.0%	21.6	0.4%	55,304	1.3%	109	0.5%	505	0.8%	8,305	0.0%	3	0.0%	2,768	0.0%	4,335	1.3%	154,197	1.5%	9,215		163,412	1.5%	
2035	72,772	1.9%	4,593	1.3%	15,843	0.6%	15,053	1.5%	694	1.0%	21.7	0.4%	56,005	1.3%	110	0.5%	509	0.8%	8,305	0.0%	3	0.0%	2,768	0.0%	4,393	1.3%	156,527	1.5%	9,354		165,881	1.5%	
2036	74,129	1.9%	4,654	1.3%	15,930	0.5%	15,274	1.5%	701	1.0%	21.8	0.4%	56,717	1.3%	110	0.5%	513	0.8%	8,305	0.0%	3	0.0%	2,768	0.0%	4,453	1.4%	158,878	1.5%	9,703		168,581	1.6%	
CAGR	2007-2016		1.2%		0.6%		0.6%		0.9%		1.0%		-0.2%		0.7%		-1.4%		2.1%		-100.0%		-100.0%		-100.0%		2.1%		-0.6%			-1.2%	
	2017-2026		2.3%		1.7%		0.6%		1.8%		1.2%		0.6%		1.5%		0.9%		0.6%		0.0%		0.0%		0.0%		1.4%		2.6%			2.6%	
	2027-2036		2.0%		1.4%		0.6%		1.5%		1.1%		0.5%		1.3%		0.5%		0.8%		0.0%		0.0%		0.0%		1.4%		1.6%			1.6%	

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	127.8	-	44.3	-	42.2	-	1.58	-	2,766	-	3,780	-	85,363	-
1997	132.2	3.5%	46.1	4.0%	45.1	6.8%	1.75	11.1%	2,890	4.5%	3,947	4.4%	85,690	0.4%
1998	135.7	2.7%	47.5	3.2%	47.8	6.0%	1.83	4.2%	3,251	12.5%	4,237	7.3%	89,119	4.0%
1999	139.0	2.4%	49.1	3.3%	52.1	8.9%	1.80	-1.7%	3,504	7.8%	4,339	2.4%	88,358	-0.9%
2000	142.0	2.2%	50.7	3.3%	54.8	5.3%	1.71	-4.8%	3,684	5.1%	4,607	6.2%	90,843	2.8%
2001	146.1	2.8%	52.6	3.7%	48.4	-11.8%	1.46	-14.6%	3,720	1.0%	4,827	4.8%	91,836	1.1%
2002	151.3	3.6%	54.8	4.3%	50.9	5.1%	1.48	1.7%	4,056	9.0%	4,992	3.4%	91,078	-0.8%
2003	156.2	3.2%	57.1	4.1%	53.7	5.6%	1.36	-8.7%	3,945	-2.7%	5,291	6.0%	92,692	1.8%
2004	163.6	4.8%	60.0	5.1%	56.4	4.9%	1.40	3.1%	4,212	6.8%	5,543	4.8%	92,382	-0.3%
2005	170.0	3.9%	62.4	4.1%	59.8	6.0%	1.77	26.9%	4,590	9.0%	5,944	7.2%	95,181	3.0%
2006	178.7	5.1%	65.5	4.9%	64.7	8.3%	1.94	9.3%	5,032	9.6%	6,445	8.4%	98,411	3.4%
2007	184.5	3.2%	67.3	2.8%	65.4	1.0%	1.81	-6.6%	5,060	0.6%	6,537	1.4%	97,075	-1.4%
2008	187.5	1.6%	68.0	0.9%	65.5	0.2%	1.85	2.5%	4,980	-1.6%	6,512	-0.4%	95,796	-1.3%
2009	189.4	1.0%	68.2	0.3%	63.7	-2.7%	1.28	-30.9%	4,660	-6.4%	6,355	-2.4%	93,240	-2.7%
2010	191.6	1.2%	69.1	1.3%	63.1	-1.0%	1.06	-17.6%	4,681	0.4%	6,459	1.6%	93,537	0.3%
2011	192.7	0.5%	69.5	0.6%	62.5	-1.0%	1.13	7.5%	4,488	-4.1%	6,578	1.8%	94,700	1.2%
2012	194.6	1.0%	69.8	0.5%	63.6	1.8%	1.15	1.8%	4,569	1.8%	6,629	0.8%	94,934	0.2%
2013	197.1	1.2%	70.8	1.4%	66.2	4.1%	1.21	4.8%	4,800	5.0%	6,697	1.0%	94,608	-0.3%
2014	200.4	1.7%	72.5	2.4%	67.7	2.3%	1.23	1.9%	4,957	3.3%	6,935	3.6%	95,653	1.1%
2015	204.3	2.0%	74.4	2.6%	69.3	2.4%	1.23	0.1%	5,100	2.9%	7,178	3.5%	96,591	1.0%
2016	208.3	1.9%	76.3	2.5%	70.9	2.3%	1.24	0.4%	5,236	2.7%	7,414	3.3%	97,436	0.9%
2017	212.2	1.9%	78.0	2.3%	72.5	2.3%	1.24	0.5%	5,427	3.6%	7,659	3.3%	98,428	1.0%
2018	216.1	1.9%	79.9	2.3%	74.1	2.2%	1.25	0.5%	5,628	3.7%	7,917	3.4%	99,578	1.2%
2019	220.2	1.9%	81.7	2.3%	75.6	2.1%	1.26	0.6%	5,814	3.3%	8,187	3.4%	100,826	1.3%
2020	224.4	1.9%	83.6	2.3%	77.2	2.1%	1.27	0.6%	6,001	3.2%	8,469	3.5%	102,171	1.3%
2021	228.8	2.0%	85.6	2.3%	78.9	2.1%	1.27	0.6%	6,208	3.4%	8,747	3.3%	103,397	1.2%
2022	233.3	2.0%	87.6	2.3%	80.6	2.2%	1.28	0.5%	6,473	4.3%	9,043	3.4%	104,819	1.4%
2023	238.1	2.0%	89.7	2.4%	82.3	2.2%	1.29	0.5%	6,747	4.2%	9,345	3.3%	106,283	1.4%
2024	243.0	2.1%	91.8	2.4%	84.1	2.1%	1.29	0.4%	7,014	3.9%	9,652	3.3%	107,741	1.4%
2025	248.1	2.1%	93.9	2.3%	85.9	2.1%	1.29	0.3%	7,290	3.9%	9,969	3.3%	109,270	1.4%
2026	253.3	2.1%	96.1	2.3%	87.7	2.1%	1.30	0.3%	7,586	4.1%	10,292	3.2%	110,785	1.4%
2027	258.4	2.0%	98.3	2.3%	89.5	2.0%	1.30	0.2%	7,888	4.0%	10,619	3.2%	112,289	1.4%
2028	263.4	2.0%	100.3	2.0%	91.3	2.0%	1.30	0.1%	8,194	3.9%	10,950	3.1%	113,828	1.4%
2029	268.4	1.9%	102.2	1.9%	93.1	2.0%	1.30	0.1%	8,509	3.8%	11,286	3.1%	115,380	1.4%
2030	273.3	1.8%	104.1	1.9%	94.9	2.0%	1.30	0.0%	8,821	3.7%	11,626	3.0%	116,951	1.4%
2031	278.0	1.7%	106.0	1.8%	96.7	1.9%	1.30	0.0%	9,139	3.6%	11,952	2.8%	118,352	1.2%
2032	282.7	1.7%	107.8	1.7%	98.6	1.9%	1.30	-0.1%	9,461	3.5%	12,285	2.8%	119,783	1.2%
2033	287.4	1.7%	109.6	1.7%	100.4	1.9%	1.30	-0.1%	9,786	3.4%	12,621	2.7%	121,217	1.2%
2034	292.2	1.6%	111.5	1.7%	102.3	1.8%	1.30	-0.1%	10,126	3.5%	12,966	2.7%	122,689	1.2%
2035	296.9	1.6%	113.4	1.7%	104.1	1.8%	1.30	-0.1%	10,483	3.5%	13,327	2.8%	124,238	1.3%
2036	301.8	1.6%	115.3	1.7%	106.0	1.8%	1.30	-0.1%	10,866	3.6%	13,691	2.7%	125,714	1.2%
Average Percent Change														
2006-2016			1.5%		0.9%		-4.4%		0.4%		1.4%		-0.1%	
2017-2026			2.0%		2.1%		0.5%		3.8%		3.3%		1.3%	
2027-2036			1.8%		1.9%		0.0%		3.7%		2.9%		1.3%	







Havana

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FMPA 2017 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	2007	26,691	-	26,600	-	-0.3%	5.0	-	5.5	-	9.8%	6.2	-	6.1	-	-2.0%
	2008	25,975	-2.7%	26,034	-2.1%	0.2%	5.9	18.6%	5.9	8.3%	0.3%	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%	5.8	-1.6%	-4.1%	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%	6.0	3.2%	-9.5%	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%	6.7	11.8%	7.9%	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%	5.3	-20.7%	-3.8%	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%	5.8	8.6%	14.4%	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%	6.1	5.6%	13.4%	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%	6.9	12.4%	14.3%	4.6	-3.7%	6.9	28.9%	48.1%
	2016	24,925	-3.3%	24,588	-0.4%	-1.4%	5.4	-11.0%	6.1	-11.3%	14.0%	5.5	18.4%	5.2	-24.1%	-5.1%
Projected	2017	24,970	0.2%	24,970	1.6%		5.6	5.2%	5.6	-7.7%		4.9	-11.6%	4.9	-6.8%	
	2018			25,345	1.5%				5.7	1.6%				4.9	1.6%	
	2019			25,444	0.4%				5.7	0.3%				4.9	0.3%	
	2020			25,602	0.6%				5.8	0.6%				5.0	0.6%	
	2021			25,698	0.4%				5.8	0.4%				5.0	0.4%	
	2022			25,802	0.4%				5.8	0.4%				5.0	0.4%	
	2023			25,898	0.4%				5.8	0.4%				5.0	0.4%	
	2024			25,990	0.4%				5.9	0.3%				5.1	0.3%	
	2025			26,071	0.3%				5.9	0.3%				5.1	0.3%	
	2026			26,142	0.3%				5.9	0.3%				5.1	0.3%	
	2027			26,204	0.2%				5.9	0.2%				5.1	0.2%	
	2028			26,268	0.2%				5.9	0.2%				5.1	0.2%	
	2029			26,330	0.2%				5.9	0.2%				5.1	0.2%	
	2030			26,391	0.2%				5.9	0.2%				5.1	0.2%	
	2031			26,466	0.3%				6.0	0.3%				5.1	0.3%	
	2032			26,529	0.2%				6.0	0.2%				5.2	0.2%	
	2033			26,583	0.2%				6.0	0.2%				5.2	0.2%	
	2034			26,637	0.2%				6.0	0.2%				5.2	0.2%	
	2035			26,687	0.2%				6.0	0.2%				5.2	0.2%	
	2036			26,747	0.2%				6.0	0.2%				5.2	0.2%	
CAGR <sup>[3]</sup>	2007-2016		-0.8%		-0.9%			0.8%		1.2%			-1.3%		-1.7%	
	2017-2026				0.5%					0.5%					0.5%	
	2027-2036				0.2%					0.2%					0.2%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Havana**  
**2017 v. 2016 (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	2007	26,691	-	26,691	-	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%	25,771	2.4%	6.2	5.8	6.2	5.8	6.0	4.6	6.0	4.6
	2016	24,925	-3.3%	25,118	-2.5%	6.2	5.7	6.0	5.9	5.4	5.5	5.8	4.9
Projected	2017	24,970	0.2%	25,551	1.7%	6.0	5.8	6.1	6.0	5.6	4.9	5.9	5.0
	2018	25,345	1.5%	25,880	1.3%	6.1	5.9	6.2	6.0	5.7	4.9	6.0	5.1
	2019	25,444	0.4%	26,033	0.6%	6.1	5.9	6.2	6.1	5.7	4.9	6.0	5.1
	2020	25,602	0.6%	26,194	0.6%	6.2	6.0	6.3	6.1	5.8	5.0	6.0	5.2
	2021	25,698	0.4%	26,345	0.6%	6.2	6.0	6.3	6.2	5.8	5.0	6.1	5.2
	2022	25,802	0.4%	26,494	0.6%	6.2	6.0	6.3	6.2	5.8	5.0	6.1	5.2
	2023	25,898	0.4%	26,646	0.6%	6.2	6.0	6.4	6.2	5.8	5.0	6.1	5.2
	2024	25,990	0.4%	26,784	0.5%	6.2	6.1	6.4	6.3	5.9	5.1	6.2	5.3
	2025	26,071	0.3%	26,916	0.5%	6.3	6.1	6.4	6.3	5.9	5.1	6.2	5.3
	2026	26,142	0.3%	27,045	0.5%	6.3	6.1	6.5	6.3	5.9	5.1	6.2	5.3
	2027	26,204	0.2%	27,179	0.5%	6.3	6.1	6.5	6.3	5.9	5.1	6.2	5.3
	2028	26,268	0.2%	27,320	0.5%	6.3	6.1	6.5	6.4	5.9	5.1	6.3	5.4
	2029	26,330	0.2%	27,463	0.5%	6.3	6.1	6.6	6.4	5.9	5.1	6.3	5.4
	2030	26,391	0.2%	27,608	0.5%	6.3	6.2	6.6	6.4	5.9	5.1	6.3	5.4
	2031	26,466	0.3%	27,751	0.5%	6.4	6.2	6.6	6.5	6.0	5.1	6.4	5.5
	2032	26,529	0.2%	27,883	0.5%	6.4	6.2	6.7	6.5	6.0	5.2	6.4	5.5
	2033	26,583	0.2%	28,010	0.5%	6.4	6.2	6.7	6.5	6.0	5.2	6.4	5.5
	2034	26,637	0.2%	28,139	0.5%	6.4	6.2	6.7	6.6	6.0	5.2	6.5	5.5
	2035	26,687	0.2%	28,263	0.4%	6.4	6.2	6.8	6.6	6.0	5.2	6.5	5.6
	2036	26,747	0.2%			6.4	6.2			6.0	5.2		
CAGR <sup>[1]</sup>	Historical		-0.8%		-0.4%	1.1%	-1.8%	1.3%	-1.7%	-1.2%	0.8%	0.3%	-1.5%
	1st 10 Prj Yrs		0.5%		0.8%	0.5%	0.5%	0.8%	0.8%	0.5%	0.5%	0.8%	0.8%
	2nd 10 Prj Yrs		0.2%		0.5%	0.2%	0.2%	0.5%	0.5%	0.2%	0.2%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate

# FMPA 2017 Load Forecast - Base Case

## Havana

### Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	1,753	1,740	1,832	25,274	25,771
	2016	2,385	1,968	1,658	1,604	2,018	2,443	2,668	2,598	2,259	1,791	1,872	2,019	25,282	24,925
Projected	2017	2,390	2,023	1,703	1,607	2,084	2,361	2,519	2,559	2,043	1,732	1,880	2,101	25,001	24,970
	2018	2,409	2,043	1,772	1,605	2,104	2,441	2,595	2,583	2,080	1,749	1,891	2,122	25,394	25,345
	2019	2,409	2,043	1,782	1,600	2,107	2,455	2,608	2,587	2,091	1,756	1,900	2,138	25,476	25,444
	2020	2,425	2,060	1,799	1,611	2,122	2,474	2,622	2,596	2,100	1,762	1,906	2,146	25,623	25,602
	2021	2,432	2,066	1,806	1,617	2,131	2,484	2,633	2,606	2,109	1,769	1,915	2,155	25,723	25,698
	2022	2,441	2,075	1,814	1,623	2,140	2,494	2,643	2,616	2,117	1,776	1,922	2,163	25,825	25,802
	2023	2,450	2,082	1,820	1,629	2,148	2,503	2,653	2,626	2,125	1,783	1,929	2,171	25,920	25,898
	2024	2,458	2,089	1,827	1,635	2,156	2,512	2,662	2,635	2,132	1,789	1,936	2,178	26,009	25,990
	2025	2,465	2,095	1,832	1,641	2,163	2,520	2,670	2,643	2,139	1,795	1,942	2,184	26,089	26,071
Projected	2026	2,472	2,100	1,837	1,645	2,169	2,527	2,677	2,649	2,144	1,799	1,947	2,189	26,156	26,142
	2027	2,477	2,105	1,842	1,649	2,175	2,533	2,683	2,656	2,149	1,804	1,952	2,194	26,219	26,204
	2028	2,483	2,110	1,846	1,653	2,181	2,539	2,690	2,662	2,155	1,809	1,957	2,199	26,283	26,268
	2029	2,488	2,114	1,850	1,658	2,186	2,545	2,696	2,668	2,160	1,813	1,961	2,203	26,343	26,330
	2030	2,493	2,118	1,854	1,662	2,192	2,552	2,703	2,675	2,166	1,818	1,967	2,210	26,408	26,391
	2031	2,499	2,124	1,859	1,667	2,199	2,559	2,710	2,682	2,172	1,823	1,973	2,215	26,482	26,466
	2032	2,505	2,129	1,864	1,671	2,204	2,565	2,716	2,688	2,176	1,827	1,977	2,219	26,541	26,529
	2033	2,509	2,132	1,867	1,674	2,209	2,571	2,722	2,694	2,181	1,831	1,981	2,224	26,596	26,583
	2034	2,514	2,137	1,871	1,678	2,214	2,576	2,727	2,698	2,185	1,835	1,985	2,227	26,647	26,637
Projected	2035	2,518	2,140	1,874	1,681	2,219	2,581	2,732	2,704	2,190	1,839	1,990	2,232	26,701	26,687
	2036	2,523	2,144	1,879	1,685	2,224	2,587	2,739	2,710	2,195	1,843	1,994	2,237	26,760	26,747

### Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%
	2015	9.1%	8.7%	6.8%	6.7%	8.5%	9.6%	10.9%	10.3%	8.3%	6.9%	6.9%	7.2%	100.0%
Projected	2016	9.4%	7.8%	6.6%	6.3%	8.0%	9.7%	10.6%	10.3%	8.9%	7.1%	7.4%	8.0%	100.0%
	2017	9.6%	8.1%	6.8%	6.4%	8.3%	9.4%	10.1%	10.2%	8.2%	6.9%	7.5%	8.4%	100.0%
	2018	9.5%	8.0%	7.0%	6.3%	8.3%	9.6%	10.2%	10.2%	8.2%	6.9%	7.4%	8.4%	100.0%
	2019	9.5%	8.0%	7.0%	6.3%	8.3%	9.6%	10.2%	10.2%	8.2%	6.9%	7.5%	8.4%	100.0%
	2020	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2021	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2022	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2023	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2024	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
Projected	2025	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2026	9.5%	8.0%	7.0%	6.3%	8.3%	9.7%	10.2%	10.1%	8.2%	6.9%	7.4%	8.4%	100.0%
	2027-2016	9.1%	7.7%	7.0%	6.5%	8.1%	9.8%	10.2%	10.3%	8.8%	7.1%	7.1%	8.2%	100.0%
Avg.	2017-2026	9.5%	8.0%	7.0%	6.3%	8.3%	9.6%	10.2%	10.1%	8.2%	6.9%	7.5%	8.4%	100.0%

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

FMPA 2017 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	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	5.0	6.2	5.8
	2016	6.2	5.6	3.6	4.2	4.9	5.6	5.7	5.4	5.0	4.1	4.6	5.0	6.2	5.7
Projected	2017	6.0	5.6	4.0	3.7	4.9	5.8	5.6	5.5	5.2	4.2	4.6	5.1	6.0	5.8
	2018	6.1	5.6	4.1	3.8	5.0	5.9	5.7	5.6	5.3	4.3	4.7	5.1	6.1	5.9
	2019	6.1	5.7	4.1	3.8	5.0	5.9	5.7	5.6	5.3	4.3	4.7	5.2	6.1	5.9
	2020	6.2	5.7	4.1	3.8	5.0	6.0	5.8	5.7	5.3	4.3	4.7	5.2	6.2	6.0
	2021	6.2	5.7	4.1	3.8	5.1	6.0	5.8	5.7	5.3	4.4	4.7	5.2	6.2	6.0
	2022	6.2	5.7	4.2	3.8	5.1	6.0	5.8	5.7	5.4	4.4	4.7	5.2	6.2	6.0
	2023	6.2	5.8	4.2	3.8	5.1	6.0	5.8	5.7	5.4	4.4	4.8	5.2	6.2	6.0
	2024	6.2	5.8	4.2	3.9	5.1	6.1	5.9	5.7	5.4	4.4	4.8	5.3	6.2	6.1
	2025	6.3	5.8	4.2	3.9	5.1	6.1	5.9	5.8	5.4	4.4	4.8	5.3	6.3	6.1
Projected	2027	6.3	5.8	4.2	3.9	5.1	6.1	5.9	5.8	5.4	4.4	4.8	5.3	6.3	6.1
	2028	6.3	5.8	4.2	3.9	5.2	6.1	5.9	5.8	5.5	4.4	4.8	5.3	6.3	6.1
	2029	6.3	5.9	4.2	3.9	5.2	6.1	5.9	5.8	5.5	4.5	4.8	5.3	6.3	6.1
	2030	6.3	5.9	4.3	3.9	5.2	6.2	6.0	5.8	5.5	4.5	4.8	5.3	6.3	6.2
	2031	6.4	5.9	4.3	3.9	5.2	6.2	6.0	5.8	5.5	4.5	4.8	5.4	6.4	6.2
	2032	6.4	5.9	4.3	3.9	5.2	6.2	6.0	5.9	5.5	4.5	4.9	5.4	6.4	6.2
	2033	6.4	5.9	4.3	3.9	5.2	6.2	6.0	5.9	5.5	4.5	4.9	5.4	6.4	6.2
	2034	6.4	5.9	4.3	4.0	5.2	6.2	6.0	5.9	5.5	4.5	4.9	5.4	6.4	6.2
	2035	6.4	5.9	4.3	4.0	5.3	6.2	6.0	5.9	5.5	4.5	4.9	5.4	6.4	6.2
	2036	6.4	5.9	4.3	4.0	5.3	6.2	6.0	5.9	5.6	4.5	4.9	5.4	6.4	6.2

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	55.7%	57.4%	50.9%	46.3%	49.7%
	2016	51.6%	50.9%	61.2%	51.6%	61.2%	59.1%	65.5%	65.0%	63.0%	58.6%	55.1%	55.6%	46.4%	51.0%
Projected	2017	53.5%	54.2%	56.8%	58.2%	63.1%	54.5%	62.1%	62.3%	54.7%	55.0%	54.5%	57.0%	47.5%	49.0%
	2018	53.1%	53.9%	58.1%	57.3%	62.7%	55.4%	63.0%	62.0%	54.8%	54.7%	54.6%	57.4%	47.5%	49.0%
	2019	52.9%	53.7%	58.3%	56.9%	62.6%	55.6%	63.1%	61.9%	54.9%	54.7%	54.5%	57.5%	47.5%	49.0%
	2020	53.0%	52.0%	58.5%	56.9%	62.7%	55.7%	63.1%	61.7%	54.8%	54.6%	54.5%	57.5%	47.5%	49.0%
	2021	52.9%	53.8%	58.5%	56.9%	62.7%	55.7%	63.1%	61.7%	54.8%	54.6%	54.5%	57.5%	47.5%	49.0%
	2022	52.9%	53.8%	58.5%	56.9%	62.7%	55.7%	63.1%	61.7%	54.8%	54.6%	54.5%	57.5%	47.5%	49.0%
	2023	52.9%	53.8%	58.5%	56.9%	62.7%	55.7%	63.1%	61.7%	54.8%	54.7%	54.6%	57.5%	47.5%	49.0%
	2024	52.9%	51.9%	58.5%	56.9%	62.7%	55.7%	63.1%	61.7%	54.8%	54.7%	54.6%	57.5%	47.5%	49.0%
	2025	52.9%	53.8%	58.5%	57.0%	62.7%	55.7%	63.1%	61.7%	54.8%	54.7%	54.6%	57.5%	47.5%	49.0%
Avg.	2007-2016	52.9%	51.5%	55.3%	58.2%	63.5%	58.3%	63.1%	61.7%	59.4%	57.7%	54.2%	57.1%	48.2%	49.0%
	2017-2026	53.0%	53.5%	58.3%	57.1%	62.7%	55.5%	63.0%	61.8%	54.8%	54.7%	54.6%	57.4%	47.5%	49.0%

FMPA 2017 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	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	3.9	3.1	2.8	6.0	4.6
	2016	5.5	5.4	3.5	4.2	4.9	5.3	5.5	5.1	4.7	3.4	3.6	3.7	5.4	5.5
Projected	2017	5.6	5.4	3.5	3.3	4.8	5.3	5.3	4.9	4.4	3.5	3.7	3.7	5.6	4.9
	2018	5.7	5.5	3.6	3.4	4.8	5.4	5.4	4.9	4.5	3.5	3.7	3.7	5.7	4.9
	2019	5.7	5.5	3.6	3.4	4.9	5.4	5.4	4.9	4.5	3.6	3.7	3.8	5.7	4.9
	2020	5.8	5.5	3.6	3.4	4.9	5.4	5.4	5.0	4.5	3.6	3.7	3.8	5.8	5.0
	2021	5.8	5.5	3.6	3.4	4.9	5.4	5.4	5.0	4.6	3.6	3.8	3.8	5.8	5.0
	2022	5.8	5.6	3.7	3.4	4.9	5.5	5.5	5.0	4.6	3.6	3.8	3.8	5.8	5.0
	2023	5.8	5.6	3.7	3.4	4.9	5.5	5.5	5.0	4.6	3.6	3.8	3.8	5.8	5.0
	2024	5.9	5.6	3.7	3.5	5.0	5.5	5.5	5.1	4.6	3.6	3.8	3.8	5.9	5.1
	2025	5.9	5.6	3.7	3.5	5.0	5.5	5.5	5.1	4.6	3.6	3.8	3.8	5.9	5.1
Projected	2026	5.9	5.6	3.7	3.5	5.0	5.5	5.5	5.1	4.6	3.7	3.8	3.9	5.9	5.1
	2027	5.9	5.7	3.7	3.5	5.0	5.5	5.5	5.1	4.7	3.7	3.8	3.9	5.9	5.1
	2028	5.9	5.7	3.7	3.5	5.0	5.5	5.5	5.1	4.7	3.7	3.8	3.9	5.9	5.1
	2029	5.9	5.7	3.7	3.5	5.0	5.6	5.6	5.1	4.7	3.7	3.8	3.9	5.9	5.1
	2030	5.9	5.7	3.7	3.5	5.0	5.6	5.6	5.1	4.7	3.7	3.9	3.9	5.9	5.1
	2031	6.0	5.7	3.8	3.5	5.0	5.6	5.6	5.1	4.7	3.7	3.9	3.9	6.0	5.1
	2032	6.0	5.7	3.8	3.5	5.1	5.6	5.6	5.2	4.7	3.7	3.9	3.9	6.0	5.2
	2033	6.0	5.7	3.8	3.5	5.1	5.6	5.6	5.2	4.7	3.7	3.9	3.9	6.0	5.2
	2034	6.0	5.7	3.8	3.5	5.1	5.6	5.6	5.2	4.7	3.7	3.9	3.9	6.0	5.2
	2035	6.0	5.8	3.8	3.6	5.1	5.6	5.6	5.2	4.7	3.7	3.9	3.9	6.0	5.2
	2036	6.0	5.8	3.8	3.6	5.1	5.6	5.7	5.2	4.7	3.7	3.9	3.9	6.0	5.2

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	91.8%	77.2%	55.9%	96.6%	79.9%
	2016	88.4%	96.4%	96.1%	100.0%	100.0%	94.9%	97.0%	94.7%	93.8%	82.6%	79.8%	72.9%	86.1%	97.0%
Projected	2017	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2018	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2019	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2020	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2021	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2022	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2023	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2024	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2025	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
	2026	93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%
2007-2016		96.3%	94.7%	83.7%	90.3%	95.7%	92.3%	92.2%	88.2%	87.5%	88.4%	68.2%	79.4%	94.1%	88.4%
2017-2026		93.8%	97.0%	87.9%	89.7%	96.9%	90.6%	93.7%	88.0%	85.5%	82.6%	79.8%	72.9%	93.8%	83.4%

# FMPA 2017 Load Forecast - Base Case - Havana

## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

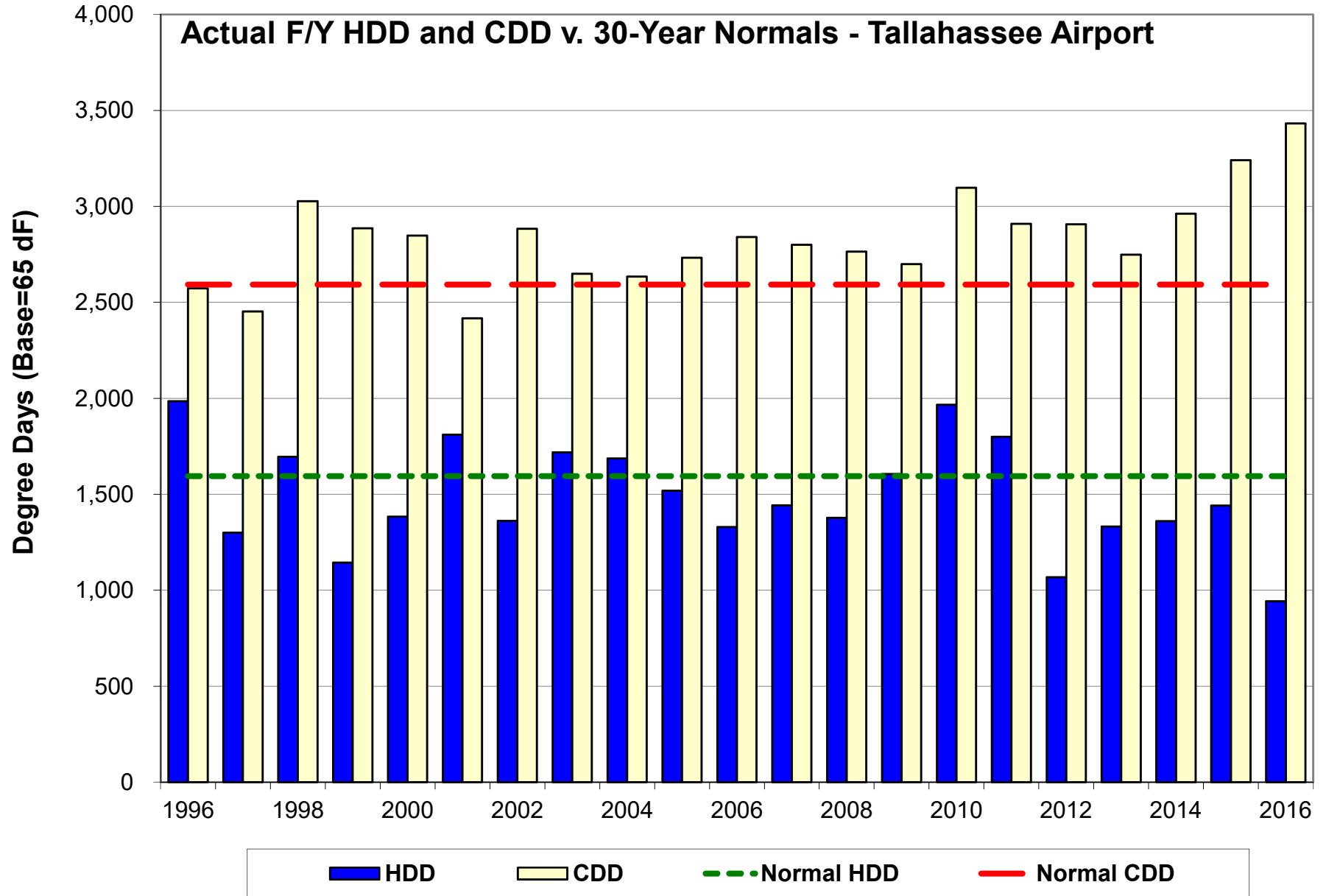
Fiscal Year		Residential						General Service						TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	(MWh)	% Chg	LOSSES	(MWh)	% Chg
																(MWh)		
Historical	2007	13,268		1,100		12,064		11,468		272		42.2		24,736		1,955	26,691	
	2008	12,936	-2.5%	1,114	1.3%	11,615	-3.7%	10,822	-5.6%	268	-1.4%	40.4	-4.3%	23,758	-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%	23,676	-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%	25,612	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%	25,213	-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%	22,669	-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%	23,239	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%	23,921	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%	24,466	2.3%	1,305	25,771	2.4%
	2016	13,129	-2.4%	1,122	0.6%	11,706	-3.0%	10,311	-6.4%	320	7.4%	32.2	-12.9%	23,440	-4.2%	1,485	24,925	-3.3%
Projected	2017	13,587	3.5%	1,124	0.2%	12,088	3.3%	10,079	-2.2%	320	0.1%	31.5	-2.3%	23,666	1.0%	1,304	24,970	0.2%
	2018	13,812	1.7%	1,122	-0.2%	12,315	1.9%	10,186	1.1%	325	1.5%	31.3	-0.5%	23,998	1.4%	1,346	25,345	1.5%
	2019	13,835	0.2%	1,122	0.0%	12,330	0.1%	10,257	0.7%	327	0.8%	31.3	-0.1%	24,092	0.4%	1,352	25,444	0.4%
	2020	13,916	0.6%	1,124	0.2%	12,380	0.4%	10,324	0.6%	330	0.6%	31.3	0.0%	24,240	0.6%	1,362	25,602	0.6%
	2021	13,944	0.2%	1,126	0.2%	12,383	0.0%	10,387	0.6%	332	0.6%	31.3	0.0%	24,331	0.4%	1,367	25,698	0.4%
	2022	13,978	0.2%	1,128	0.2%	12,387	0.0%	10,451	0.6%	334	0.6%	31.3	0.0%	24,429	0.4%	1,373	25,802	0.4%
	2023	14,004	0.2%	1,130	0.1%	12,393	0.0%	10,516	0.6%	336	0.6%	31.3	0.0%	24,520	0.4%	1,378	25,898	0.4%
	2024	14,031	0.2%	1,131	0.1%	12,400	0.1%	10,576	0.6%	337	0.6%	31.3	0.0%	24,607	0.4%	1,383	25,990	0.4%
	2025	14,056	0.2%	1,133	0.1%	12,407	0.1%	10,628	0.5%	339	0.5%	31.3	0.0%	24,684	0.3%	1,387	26,071	0.3%
	2026	14,076	0.1%	1,134	0.1%	12,408	0.0%	10,675	0.4%	341	0.5%	31.3	0.0%	24,751	0.3%	1,391	26,142	0.3%
	2027	14,089	0.1%	1,136	0.1%	12,403	0.0%	10,721	0.4%	342	0.5%	31.3	0.0%	24,810	0.2%	1,394	26,204	0.2%
	2028	14,099	0.1%	1,137	0.1%	12,397	-0.1%	10,771	0.5%	344	0.5%	31.3	0.0%	24,870	0.2%	1,398	26,268	0.2%
	2029	14,106	0.0%	1,138	0.1%	12,392	0.0%	10,823	0.5%	346	0.5%	31.3	0.0%	24,929	0.2%	1,401	26,330	0.2%
	2030	14,113	0.0%	1,139	0.0%	12,392	0.0%	10,874	0.5%	347	0.5%	31.3	0.0%	24,987	0.2%	1,405	26,391	0.2%
	2031	14,134	0.2%	1,140	0.1%	12,396	0.0%	10,923	0.4%	349	0.5%	31.3	0.0%	25,057	0.3%	1,409	26,466	0.3%
	2032	14,149	0.1%	1,141	0.1%	12,397	0.0%	10,969	0.4%	351	0.4%	31.3	0.0%	25,117	0.2%	1,412	26,529	0.2%
	2033	14,154	0.0%	1,142	0.0%	12,397	0.0%	11,013	0.4%	352	0.4%	31.3	0.0%	25,168	0.2%	1,415	26,583	0.2%
	2034	14,163	0.1%	1,143	0.1%	12,394	0.0%	11,056	0.4%	354	0.4%	31.3	0.0%	25,219	0.2%	1,418	26,637	0.2%
	2035	14,165	0.0%	1,143	0.0%	12,391	0.0%	11,101	0.4%	355	0.4%	31.3	0.0%	25,266	0.2%	1,420	26,687	0.2%
	2036	14,179	0.1%	1,145	0.1%	12,388	0.0%	11,144	0.4%	357	0.4%	31.3	0.0%	25,323	0.2%	1,424	26,747	0.2%
CAGR	2007-2016		-0.1%		0.2%		-0.3%		-1.2%		1.8%		-3.0%		-0.6%			-0.8%
	2017-2026		0.4%		0.1%		0.3%		0.6%		0.7%		-0.1%		0.5%			0.5%
	2027-2036		0.1%		0.1%		0.0%		0.4%		0.5%		0.0%		0.2%			0.2%

CAGR - Compound Average Growth Rate.



**FMPA 2017 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
1996	44.8	-	15.1	-	16.9	-	1.38	-	1,133	-	936	-	62,118	-
1997	44.8	0.1%	15.3	1.7%	17.0	1.0%	1.58	14.1%	1,099	-3.0%	975	4.1%	63,581	2.4%
1998	44.8	-0.1%	15.5	1.3%	17.5	2.7%	1.75	11.0%	1,176	7.0%	1,021	4.7%	65,745	3.4%
1999	45.2	0.9%	15.8	1.6%	17.7	1.4%	1.83	4.7%	1,246	6.0%	1,056	3.5%	66,985	1.9%
2000	45.0	-0.5%	16.1	1.9%	17.8	0.4%	1.90	3.4%	1,268	1.8%	1,079	2.2%	67,191	0.3%
2001	45.2	0.5%	16.4	1.8%	17.9	0.9%	1.59	-16.0%	1,299	2.5%	1,112	3.0%	68,020	1.2%
2002	44.9	-0.7%	16.4	0.2%	17.4	-3.2%	1.47	-7.3%	1,224	-5.8%	1,133	1.9%	69,136	1.6%
2003	45.0	0.3%	16.5	0.8%	18.7	7.5%	1.43	-3.1%	1,294	5.7%	1,181	4.2%	71,465	3.4%
2004	45.2	0.4%	16.7	1.0%	19.0	1.6%	1.51	5.7%	1,318	1.8%	1,227	3.9%	73,512	2.9%
2005	45.4	0.3%	16.9	1.0%	19.2	1.1%	1.55	2.3%	1,360	3.2%	1,262	2.8%	74,847	1.8%
2006	45.4	0.0%	16.9	0.2%	19.3	0.6%	1.59	2.8%	1,360	0.0%	1,283	1.7%	75,969	1.5%
2007	45.9	1.2%	17.0	0.5%	19.8	2.6%	1.54	-3.2%	1,425	4.8%	1,297	1.1%	76,372	0.5%
2008	46.4	1.0%	17.1	0.7%	19.3	-2.5%	1.41	-8.0%	1,385	-2.9%	1,292	-0.4%	75,507	-1.1%
2009	46.3	-0.1%	17.0	-0.8%	18.3	-5.0%	1.26	-11.2%	1,307	-5.6%	1,282	-0.8%	75,489	0.0%
2010	47.8	3.2%	17.0	0.2%	18.1	-1.3%	1.17	-7.0%	1,283	-1.8%	1,296	1.2%	76,222	1.0%
2011	47.4	-0.8%	16.8	-1.2%	18.1	0.1%	1.05	-10.0%	1,209	-5.8%	1,318	1.7%	78,399	2.9%
2012	46.5	-2.0%	16.3	-2.7%	18.1	-0.2%	1.01	-3.6%	1,165	-3.6%	1,239	-6.0%	75,791	-3.3%
2013	46.1	-0.8%	16.5	0.6%	18.1	0.1%	1.02	1.0%	1,175	0.9%	1,216	-1.8%	73,922	-2.5%
2014	46.2	0.1%	16.6	1.0%	18.2	0.9%	0.88	-14.1%	1,160	-1.3%	1,248	2.6%	75,087	1.6%
2015	46.2	0.1%	16.8	0.8%	18.4	0.7%	0.87	-1.6%	1,174	1.2%	1,287	3.1%	76,810	2.3%
2016	46.4	0.4%	17.0	1.2%	18.5	0.9%	0.83	-4.3%	1,183	0.8%	1,309	1.7%	77,201	0.5%
2017	46.7	0.5%	17.2	1.2%	18.7	1.1%	0.83	0.0%	1,207	2.0%	1,339	2.3%	78,042	1.1%
2018	46.9	0.5%	17.3	1.0%	18.9	0.7%	0.83	-0.1%	1,232	2.1%	1,371	2.4%	79,109	1.4%
2019	47.1	0.4%	17.5	0.9%	19.0	0.6%	0.83	0.2%	1,249	1.4%	1,402	2.3%	80,198	1.4%
2020	47.2	0.4%	17.6	0.8%	19.1	0.5%	0.84	0.7%	1,265	1.3%	1,432	2.2%	81,253	1.3%
2021	47.4	0.3%	17.8	0.8%	19.2	0.5%	0.84	0.4%	1,280	1.2%	1,462	2.1%	82,312	1.3%
2022	47.5	0.3%	17.9	0.7%	19.3	0.8%	0.84	-0.1%	1,302	1.8%	1,494	2.2%	83,572	1.5%
2023	47.7	0.3%	18.0	0.6%	19.4	0.7%	0.83	-0.5%	1,322	1.5%	1,525	2.0%	84,745	1.4%
2024	47.8	0.3%	18.1	0.6%	19.5	0.4%	0.83	-0.5%	1,336	1.0%	1,553	1.8%	85,791	1.2%
2025	47.9	0.2%	18.2	0.5%	19.6	0.4%	0.83	-0.6%	1,347	0.8%	1,579	1.7%	86,804	1.2%
2026	48.0	0.2%	18.3	0.5%	19.7	0.4%	0.82	-0.2%	1,356	0.7%	1,604	1.6%	87,745	1.1%
2027	48.1	0.3%	18.4	0.6%	19.8	0.4%	0.82	-0.2%	1,369	1.0%	1,631	1.7%	88,747	1.1%
2028	48.3	0.3%	18.5	0.4%	19.8	0.4%	0.82	-0.3%	1,385	1.1%	1,660	1.7%	89,951	1.4%
2029	48.5	0.4%	18.5	0.4%	20.0	0.5%	0.82	0.0%	1,403	1.3%	1,689	1.8%	91,160	1.3%
2030	48.7	0.4%	18.6	0.4%	20.1	0.5%	0.82	0.0%	1,420	1.2%	1,718	1.7%	92,417	1.4%
2031	48.8	0.4%	18.7	0.4%	20.2	0.6%	0.82	0.0%	1,442	1.5%	1,745	1.5%	93,480	1.2%
2032	49.0	0.3%	18.7	0.4%	20.3	0.6%	0.82	-0.2%	1,463	1.4%	1,773	1.6%	94,661	1.3%
2033	49.1	0.3%	18.8	0.3%	20.4	0.4%	0.82	-0.2%	1,482	1.3%	1,799	1.5%	95,785	1.2%
2034	49.3	0.3%	18.8	0.3%	20.5	0.4%	0.81	-0.2%	1,502	1.3%	1,827	1.5%	96,940	1.2%
2035	49.4	0.2%	18.9	0.3%	20.5	0.4%	0.81	-0.2%	1,522	1.4%	1,855	1.5%	98,131	1.2%
2036	49.5	0.2%	19.0	0.3%	20.6	0.4%	0.81	-0.2%	1,543	1.4%	1,882	1.5%	99,263	1.2%
Average Percent Change														
2006-2016		0.2%		0.0%		-0.4%		-6.3%		-1.4%		0.2%		0.2%
2017-2026		0.3%		0.7%		0.6%		-0.1%		1.3%		2.0%		1.3%
2027-2036		0.3%		0.4%		0.5%		-0.1%		1.3%		1.6%		1.2%



## Jacksonville Beach

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FMPA 2017 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	2007	774,574	-	786,523	-	1.5%	141.1	-	190.2	-	34.8%	182.5	-	176.7	-	-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%
	2016	757,330	2.5%	741,171	1.1%	-2.1%	164.0	-16.0%	185.3	-1.0%	13.0%	173.5	14.9%	162.0	-8.7%	-6.6%
Projected	2017	741,972	-2.0%	741,972	0.1%		175.6	7.1%	175.6	-5.2%		160.5	-7.5%	160.5	-0.9%	
	2018			749,566	1.0%				177.4	1.0%				162.1	1.0%	
	2019			756,630	0.9%				179.1	0.9%				163.6	0.9%	
	2020			763,233	0.9%				180.6	0.9%				165.0	0.9%	
	2021			769,490	0.8%				182.1	0.8%				166.4	0.8%	
	2022			775,615	0.8%				183.5	0.8%				167.7	0.8%	
	2023			781,680	0.8%				184.9	0.8%				169.0	0.8%	
	2024			787,766	0.8%				186.4	0.8%				170.3	0.8%	
	2025			793,532	0.7%				187.7	0.7%				171.5	0.7%	
	2026			798,944	0.7%				189.0	0.7%				172.7	0.7%	
	2027			804,097	0.6%				190.2	0.6%				173.8	0.6%	
	2028			809,261	0.6%				191.4	0.6%				174.9	0.6%	
	2029			814,526	0.7%				192.7	0.7%				176.1	0.7%	
	2030			819,814	0.6%				193.9	0.6%				177.2	0.6%	
	2031			825,159	0.7%				195.2	0.7%				178.4	0.7%	
	2032			830,759	0.7%				196.5	0.7%				179.6	0.7%	
	2033			836,401	0.7%				197.9	0.7%				180.8	0.7%	
	2034			842,160	0.7%				199.2	0.7%				182.1	0.7%	
	2035			847,858	0.7%				200.6	0.7%				183.3	0.7%	
	2036			853,512	0.7%				201.9	0.7%				184.5	0.7%	
CAGR <sup>[3]</sup>	2007-2016		-0.2%		-0.7%			1.7%		-0.3%			-0.6%		-1.0%	
	2017-2026				0.8%					0.8%					0.8%	
	2027-2036				0.7%					0.7%					0.7%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Jacksonville Beach**  
**2017 v. 2016 (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	2007	774,574	-	774,574	-	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%	738,958	1.2%	195.1	165.1	195.1	165.1	195.1	151.0	195.1	151.0
	2016	757,330	2.5%	753,594	2.0%	171.8	178.0	199.5	170.1	164.0	173.5	179.5	160.7
Projected	2017	741,972	-2.0%	762,776	1.2%	192.4	169.9	201.6	171.9	175.6	160.5	181.5	162.4
	2018	749,566	1.0%	770,727	1.0%	194.4	171.7	203.7	173.6	177.4	162.1	183.3	164.0
	2019	756,630	0.9%	778,397	1.0%	196.1	173.2	205.7	175.3	179.1	163.6	185.1	165.7
	2020	763,233	0.9%	785,885	1.0%	197.8	174.7	207.7	177.0	180.6	165.0	186.9	167.2
	2021	769,490	0.8%	793,086	0.9%	199.4	176.2	209.6	178.6	182.1	166.4	188.6	168.8
	2022	775,615	0.8%	800,124	0.9%	201.0	177.5	211.4	180.2	183.5	167.7	190.2	170.2
	2023	781,680	0.8%	806,753	0.8%	202.6	178.9	213.2	181.7	184.9	169.0	191.8	171.6
	2024	787,766	0.8%	813,209	0.8%	204.2	180.3	214.8	183.1	186.4	170.3	193.3	173.0
	2025	793,532	0.7%	819,380	0.8%	205.6	181.6	216.5	184.5	187.7	171.5	194.8	174.3
	2026	798,944	0.7%	825,468	0.7%	207.0	182.8	218.1	185.9	189.0	172.7	196.2	175.6
	2027	804,097	0.6%	831,667	0.8%	208.3	184.0	219.7	187.3	190.2	173.8	197.7	176.9
	2028	809,261	0.6%	838,097	0.8%	209.7	185.2	221.4	188.7	191.4	174.9	199.2	178.3
	2029	814,526	0.7%	844,709	0.8%	211.0	186.4	223.2	190.2	192.7	176.1	200.8	179.7
	2030	819,814	0.6%	851,323	0.8%	212.4	187.6	224.9	191.7	193.9	177.2	202.4	181.1
	2031	825,159	0.7%	857,819	0.8%	213.8	188.8	226.6	193.2	195.2	178.4	203.9	182.5
	2032	830,759	0.7%	864,628	0.8%	215.3	190.1	228.4	194.7	196.5	179.6	205.6	183.9
	2033	836,401	0.7%	871,565	0.8%	216.7	191.4	230.3	196.3	197.9	180.8	207.2	185.4
	2034	842,160	0.7%	878,652	0.8%	218.2	192.7	232.1	197.9	199.2	182.1	208.9	186.9
	2035	847,858	0.7%	885,661	0.8%	219.7	194.0	234.0	199.4	200.6	183.3	210.6	188.4
	2036	853,512	0.7%			221.2	195.3			201.9	184.5		
CAGR <sup>[1]</sup>	Historical		-0.2%		-0.6%	0.0%	-0.3%	1.5%	-1.2%	-1.0%	-0.3%	1.4%	-2.3%
	1st 10 Prj Yrs		0.8%		0.9%	0.8%	0.8%	0.9%	0.9%	0.8%	0.8%	0.9%	0.9%
	2nd 10 Prj Yrs		0.7%		0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.7%	0.8%	0.8%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Jacksonville Beach**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	56,999	53,537	52,394	740,990	738,958
	2016	60,746	52,275	50,319	51,629	64,442	75,667	86,818	81,440	71,064	59,555	51,718	52,869	758,542	757,330
Projected	2017	62,913	51,846	49,371	50,941	62,153	72,070	79,284	79,020	70,234	59,651	52,516	53,546	743,543	741,972
	2018	63,659	52,412	49,900	51,479	62,798	72,802	80,076	79,802	70,925	60,234	53,029	54,066	751,182	749,566
	2019	64,270	52,911	50,375	51,968	63,392	73,481	80,812	80,529	71,565	60,773	53,503	54,546	758,124	756,630
	2020	64,832	53,372	50,813	52,420	63,945	74,118	81,509	81,222	72,179	61,288	53,953	54,998	764,649	763,233
	2021	65,365	53,809	51,229	52,849	64,468	74,722	82,170	81,879	72,761	61,781	54,389	55,442	770,863	769,490
	2022	65,886	54,236	51,636	53,271	64,984	75,316	82,818	82,524	73,333	62,264	54,815	55,875	776,958	775,615
	2023	66,397	54,657	52,038	53,688	65,496	75,907	83,466	83,170	73,908	62,752	55,246	56,314	783,039	781,680
	2024	66,916	55,083	52,445	54,108	66,008	76,497	84,112	83,811	74,473	63,228	55,663	56,735	789,080	787,766
	2025	67,412	55,489	52,830	54,504	66,490	77,052	84,717	84,410	75,002	63,673	56,054	57,130	794,763	793,532
	2026	67,877	55,870	53,191	54,876	66,943	77,573	85,285	84,974	75,500	64,092	56,420	57,501	800,100	798,944
Projected	2027	68,314	56,230	53,533	55,229	67,375	78,071	85,832	85,518	75,982	64,500	56,780	57,866	805,231	804,097
	2028	68,749	56,588	53,875	55,583	67,809	78,575	86,387	86,073	76,476	64,919	57,149	58,243	810,425	809,261
	2029	69,195	56,955	54,225	55,944	68,251	79,087	86,950	86,634	76,974	65,341	57,521	58,622	815,699	814,526
	2030	69,644	57,325	54,577	56,307	68,694	79,601	87,513	87,196	77,472	65,762	57,890	58,996	820,977	819,814
	2031	70,091	57,694	54,930	56,672	69,143	80,124	88,092	87,776	77,990	66,203	58,281	59,397	826,392	825,159
	2032	70,566	58,086	55,303	57,058	69,615	80,670	88,690	88,372	78,519	66,651	58,675	59,797	832,001	830,759
	2033	71,041	58,478	55,676	57,444	70,088	81,219	89,296	88,978	79,057	67,108	59,078	60,207	837,671	836,401
	2034	71,530	58,881	56,060	57,839	70,571	81,780	89,912	89,592	79,602	67,567	59,481	60,616	843,431	842,160
	2035	72,015	59,280	56,439	58,229	71,047	82,331	90,519	90,196	80,137	68,021	59,879	61,021	849,114	847,858
	2036	72,496	59,676	56,815	58,616	71,520	82,880	91,121	90,797	80,670	68,471	60,275	61,423	854,760	853,512

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.0%	7.5%	6.7%	7.2%	9.0%	9.9%	10.6%	10.2%	9.0%	7.7%	7.2%	7.1%	100.0%
	2016	8.0%	6.9%	6.6%	6.8%	8.5%	10.0%	11.4%	10.7%	9.4%	7.9%	6.8%	7.0%	100.0%
Projected	2017	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2018	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2019	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2020	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2021	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2022	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2023	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2024	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2025	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
	2026	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%
Avg.	2007-2016	8.2%	7.0%	6.9%	6.9%	8.6%	9.8%	10.6%	10.6%	9.5%	7.9%	6.7%	7.4%	100.0%
	2017-2026	8.5%	7.0%	6.6%	6.9%	8.4%	9.7%	10.7%	10.6%	9.4%	8.0%	7.1%	7.2%	100.0%

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**FMPA 2017 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	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	124.1	108.5	195.1	165.1
	2016	171.8	164.0	114.6	126.4	136.2	166.2	178.0	167.0	150.9	137.4	120.3	130.9	171.8	178.0
Projected	2017	179.4	192.4	111.8	117.7	143.3	158.2	169.9	164.1	152.2	131.2	121.6	132.3	192.4	169.9
	2018	181.2	194.4	112.9	118.9	144.8	159.8	171.7	165.7	153.7	132.5	122.7	133.5	194.4	171.7
	2019	182.9	196.1	113.9	120.0	146.1	161.3	173.2	167.3	155.2	133.7	123.8	134.7	196.1	173.2
	2020	184.5	197.8	114.9	121.1	147.4	162.7	174.7	168.7	156.5	134.9	124.8	135.7	197.8	174.7
	2021	186.0	199.4	115.9	122.1	148.6	164.0	176.2	170.1	157.8	136.0	125.8	136.8	199.4	176.2
	2022	187.4	201.0	116.8	123.0	149.8	165.3	177.5	171.4	159.0	137.1	126.7	137.9	201.0	177.5
	2023	188.9	202.6	117.7	124.0	150.9	166.6	178.9	172.8	160.3	138.1	127.7	139.0	202.6	178.9
	2024	190.4	204.2	118.6	124.9	152.1	167.9	180.3	174.1	161.5	139.2	128.6	140.0	204.2	180.3
	2025	191.7	205.6	119.5	125.8	153.2	169.1	181.6	175.4	162.7	140.2	129.5	140.9	205.6	181.6
Projected	2026	193.0	207.0	120.3	126.7	154.2	170.2	182.8	176.5	163.7	141.1	130.3	141.8	207.0	182.8
	2027	194.3	208.3	121.0	127.5	155.2	171.3	184.0	177.7	164.8	142.0	131.2	142.7	208.3	184.0
	2028	195.5	209.7	121.8	128.3	156.2	172.4	185.2	178.8	165.9	143.0	132.0	143.6	209.7	185.2
	2029	196.8	211.0	122.6	129.2	157.2	173.5	186.4	180.0	166.9	143.9	132.9	144.6	211.0	186.4
	2030	198.1	212.4	123.4	130.0	158.2	174.7	187.6	181.1	168.0	144.8	133.8	145.5	212.4	187.6
	2031	199.4	213.8	124.2	130.8	159.3	175.8	188.8	182.3	169.1	145.8	134.7	146.5	213.8	188.8
	2032	200.7	215.3	125.0	131.7	160.4	177.0	190.1	183.6	170.3	146.8	135.6	147.5	215.3	190.1
	2033	202.1	216.7	125.9	132.6	161.5	178.2	191.4	184.8	171.4	147.8	136.5	148.5	216.7	191.4
	2034	203.5	218.2	126.8	133.5	162.6	179.4	192.7	186.1	172.6	148.8	137.4	149.5	218.2	192.7
	2035	204.9	219.7	127.6	134.4	163.7	180.7	194.0	187.4	173.8	149.8	138.3	150.5	219.7	194.0
	2036	206.2	221.2	128.5	135.3	164.8	181.9	195.3	188.6	174.9	150.8	139.2	151.5	221.2	195.3

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.6%	58.0%	67.1%	43.4%	51.2%
	2016	47.5%	45.8%	59.0%	54.9%	70.4%	61.2%	67.7%	65.5%	65.4%	58.2%	57.8%	56.1%	50.4%	48.6%
Projected	2017	47.1%	40.1%	59.4%	58.2%	64.5%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.2%	44.1%	50.0%
	2018	47.2%	40.1%	59.4%	58.2%	64.5%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.2%	44.1%	50.0%
	2019	47.2%	40.1%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%
	2020	47.2%	38.8%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%
	2021	47.2%	40.1%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%
	2022	47.2%	40.1%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%
	2023	47.2%	40.1%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%
	2024	47.2%	38.8%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.0%	61.1%	58.2%	56.3%	44.1%	50.0%
	2025	47.3%	40.2%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.0%	61.0%	58.2%	56.3%	44.1%	50.0%
Avg.	2007-2016	47.0%	46.4%	58.0%	58.5%	68.0%	61.1%	66.4%	64.7%	64.1%	60.0%	57.0%	59.0%	45.7%	50.1%
	2017-2026	47.2%	39.9%	59.4%	58.2%	64.6%	61.2%	64.8%	64.7%	64.1%	61.1%	58.1%	56.3%	44.1%	50.0%



**FMPA 2017 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	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	123.8	120.2	99.0	195.1	151.0
	2016	166.7	164.0	112.4	125.9	129.7	160.2	173.5	162.9	140.3	129.7	109.6	124.3	164.0	173.5
Projected	2017	175.6	189.6	106.3	108.4	137.7	149.8	164.3	160.5	143.5	123.7	110.7	125.6	175.6	160.5
	2018	177.4	191.6	107.4	109.6	139.1	151.3	166.0	162.1	144.9	125.0	111.7	126.8	177.4	162.1
	2019	179.1	193.3	108.4	110.6	140.4	152.7	167.6	163.6	146.3	126.2	112.7	127.8	179.1	163.6
	2020	180.6	195.0	109.3	111.5	141.6	154.0	169.0	165.0	147.5	127.3	113.6	128.9	180.6	165.0
	2021	182.1	196.6	110.2	112.4	142.8	155.3	170.4	166.4	148.7	128.3	114.5	129.9	182.1	166.4
	2022	183.5	198.1	111.0	113.3	143.9	156.5	171.7	167.7	149.9	129.3	115.4	130.9	183.5	167.7
	2023	184.9	199.7	111.9	114.2	145.1	157.7	173.1	169.0	151.1	130.3	116.3	131.9	184.9	169.0
	2024	186.4	201.2	112.8	115.1	146.2	159.0	174.4	170.3	152.2	131.3	117.1	132.9	186.4	170.3
	2025	187.7	202.7	113.6	115.9	147.2	160.1	175.7	171.5	153.3	132.3	117.9	133.8	187.7	171.5
Projected	2026	189.0	204.0	114.4	116.7	148.2	161.2	176.8	172.7	154.4	133.2	118.7	134.6	189.0	172.7
	2027	190.2	205.3	115.1	117.4	149.2	162.2	178.0	173.8	155.4	134.0	119.4	135.5	190.2	173.8
	2028	191.4	206.7	115.8	118.2	150.1	163.3	179.1	174.9	156.4	134.9	120.2	136.4	191.4	174.9
	2029	192.7	208.0	116.6	119.0	151.1	164.3	180.3	176.1	157.4	135.7	121.0	137.3	192.7	176.1
	2030	193.9	209.4	117.3	119.7	152.1	165.4	181.5	177.2	158.4	136.6	121.8	138.2	193.9	177.2
	2031	195.2	210.7	118.1	120.5	153.1	166.5	182.6	178.4	159.4	137.5	122.6	139.1	195.2	178.4
	2032	196.5	212.2	118.9	121.3	154.1	167.6	183.9	179.6	160.5	138.5	123.5	140.1	196.5	179.6
	2033	197.9	213.6	119.7	122.2	155.2	168.7	185.1	180.8	161.6	139.4	124.3	141.0	197.9	180.8
	2034	199.2	215.1	120.5	123.0	156.2	169.9	186.4	182.1	162.7	140.4	125.2	142.0	199.2	182.1
	2035	200.6	216.5	121.4	123.8	157.3	171.0	187.7	183.3	163.8	141.3	126.0	142.9	200.6	183.3
	2036	201.9	218.0	122.2	124.7	158.3	172.2	188.9	184.5	164.9	142.3	126.8	143.8	201.9	184.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	97.9%	96.8%	91.3%	100.0%	91.5%
	2016	97.0%	100.0%	98.0%	99.5%	95.2%	96.4%	97.5%	97.5%	93.0%	94.3%	91.1%	94.9%	95.4%	97.5%
Projected	2017	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2018	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2019	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2020	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2021	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2022	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2023	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2024	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2025	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
	2026	97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%
2007-2016		97.9%	97.9%	94.7%	92.9%	95.5%	94.1%	96.3%	97.5%	93.6%	96.3%	87.7%	93.4%	95.4%	95.4%
2017-2026		97.9%	98.6%	95.1%	92.1%	96.1%	94.7%	96.7%	97.8%	94.3%	94.3%	91.1%	94.9%	91.3%	94.5%

FMPA 2017 Load Forecast - Base Case - Jax Bch

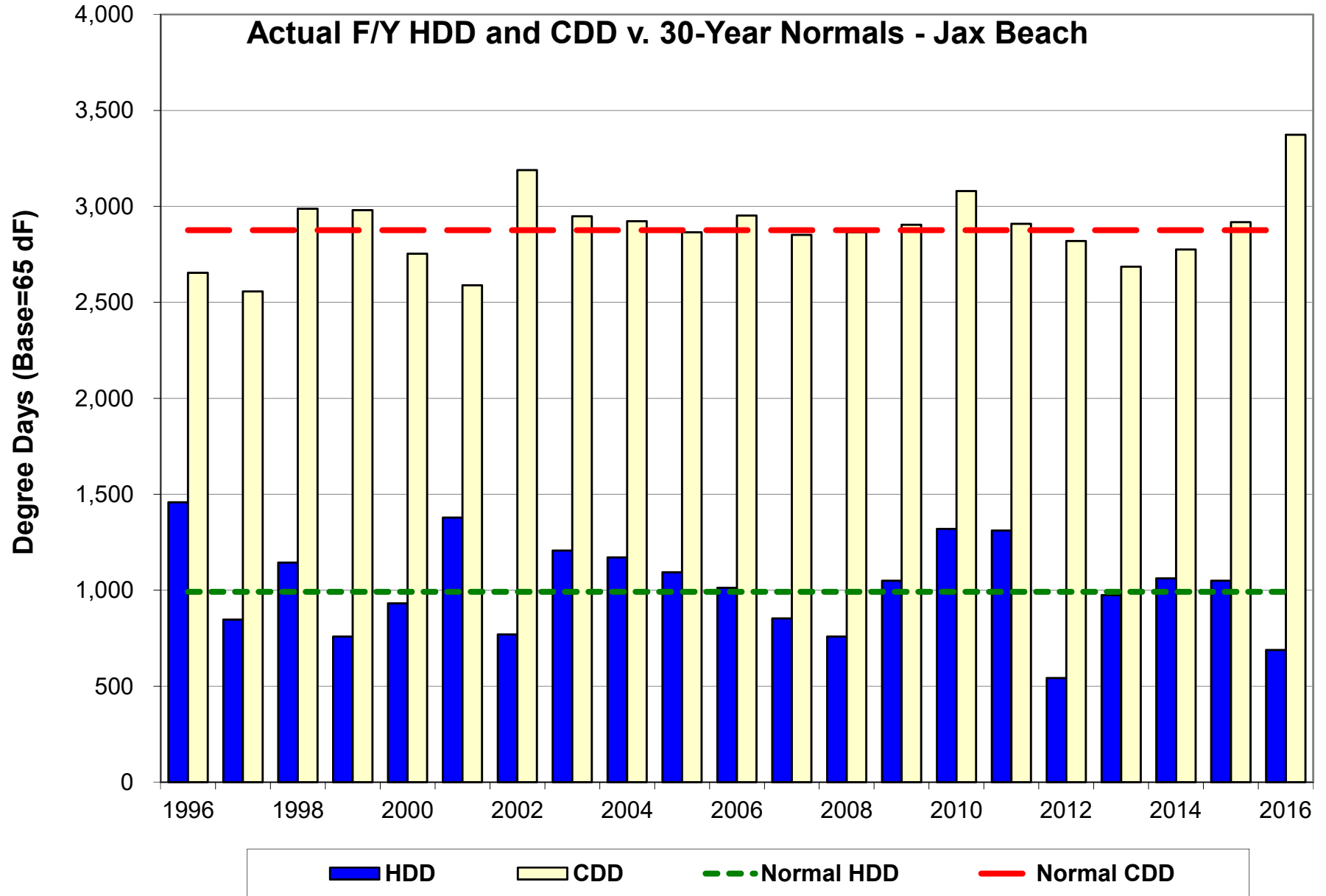
Historical and Projected - Energy Sales by Customer Class  
(Fiscal Year 2007-2036)

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	2007	447,029			27,536		16,234		109,896		4,950		22.2	173,158		318		545		8,730		4,445		743,258		31,316	774,574		
	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%	
	2016	444,744	0.2%	29,741	0.7%	14,954	-0.5%	87,508	1.4%	4,298	1.4%	20.4	0.0%	178,982	1.1%	335	0.8%	534	0.3%	8,023	-0.6%	4,153	0.3%	723,411	0.5%	33,920	757,330	2.5%	
Projected	2017	437,727	-1.6%	29,930	0.6%	14,625	-2.2%	87,455	-0.1%	4,394	2.2%	19.9	-2.3%	179,461	0.3%	340	1.5%	527	-1.2%	8,138	1.4%	4,153	0.0%	716,935	-0.9%	25,037	741,972	-2.0%	
	2018	440,789	0.7%	30,071	0.5%	14,658	0.2%	89,868	2.8%	4,493	2.2%	20.0	0.5%	181,175	1.0%	347	1.9%	522	-1.0%	8,212	0.9%	4,153	0.0%	724,197	1.0%	25,369	749,566	1.0%	
	2019	444,438	0.8%	30,201	0.4%	14,716	0.4%	91,757	2.1%	4,567	1.7%	20.1	0.4%	182,427	0.7%	352	1.4%	519	-0.7%	8,251	0.5%	4,153	0.0%	731,027	0.9%	25,604	756,630	0.9%	
	2020	447,928	0.8%	30,326	0.4%	14,770	0.4%	93,512	1.9%	4,629	1.4%	20.2	0.6%	183,530	0.6%	355	1.0%	516	-0.4%	8,285	0.4%	4,153	0.0%	737,409	0.9%	25,824	763,233	0.9%	
	2021	451,286	0.7%	30,444	0.4%	14,824	0.4%	95,103	1.7%	4,687	1.2%	20.3	0.5%	184,599	0.6%	358	0.8%	515	-0.3%	8,318	0.4%	4,153	0.0%	743,459	0.8%	26,032	769,490	0.8%	
	2022	454,481	0.7%	30,553	0.4%	14,875	0.3%	96,603	1.6%	4,750	1.3%	20.3	0.2%	185,785	0.6%	361	0.8%	514	-0.1%	8,354	0.4%	4,153	0.0%	749,377	0.8%	26,238	775,615	0.8%	
	2023	457,685	0.7%	30,656	0.3%	14,930	0.4%	98,078	1.5%	4,809	1.3%	20.4	0.3%	186,930	0.6%	364	0.7%	514	-0.1%	8,390	0.4%	4,153	0.0%	755,236	0.8%	26,444	781,680	0.8%	
	2024	460,975	0.7%	30,753	0.3%	14,989	0.4%	99,554	1.5%	4,864	1.1%	20.5	0.4%	188,011	0.6%	366	0.6%	514	0.0%	8,423	0.4%	4,153	0.0%	761,116	0.8%	26,650	787,766	0.8%	
	2025	464,120	0.7%	30,842	0.3%	15,048	0.4%	100,954	1.4%	4,914	1.0%	20.5	0.4%	189,010	0.5%	368	0.5%	514	0.0%	8,454	0.4%	4,153	0.0%	766,691	0.7%	26,841	793,532	0.7%	
	2026	467,068	0.6%	30,924	0.3%	15,104	0.4%	102,254	1.3%	4,961	1.0%	20.6	0.3%	189,965	0.5%	369	0.5%	514	0.0%	8,483	0.3%	4,153	0.0%	771,924	0.7%	27,021	798,944	0.7%	
	2027	469,897	0.6%	31,004	0.3%	15,156	0.3%	103,458	1.2%	5,006	0.9%	20.7	0.3%	190,885	0.5%	371	0.4%	515	0.1%	8,511	0.3%	4,153	0.0%	776,904	0.6%	27,193	804,097	0.6%	
	2028	472,772	0.6%	31,091	0.3%	15,206	0.3%	104,603	1.1%	5,051	0.9%	20.7	0.2%	191,823	0.5%	372	0.4%	515	0.1%	8,540	0.3%	4,153	0.0%	781,892	0.6%	27,369	809,261	0.6%	
	2029	475,731	0.6%	31,188	0.3%	15,254	0.3%	105,725	1.1%	5,096	0.9%	20.7	0.2%	192,799	0.5%	374	0.4%	516	0.1%	8,570	0.3%	4,153	0.0%	786,979	0.7%	27,547	814,526	0.7%	
	2030	478,711	0.6%	31,286	0.3%	15,301	0.3%	106,852	1.1%	5,141	0.9%	20.8	0.2%	193,772	0.5%	375	0.4%	516	0.1%	8,599	0.3%	4,153	0.0%	792,088	0.6%	27,726	819,814	0.6%	
	2031	481,737	0.6%	31,388	0.3%	15,348	0.3%	107,974	1.0%	5,186	0.9%	20.8	0.2%	194,757	0.5%	377	0.4%	517	0.1%	8,629	0.3%	4,153	0.0%	797,250	0.7%	27,908	825,159	0.7%	
	2032	484,863	0.6%	31,491	0.3%	15,397	0.3%	109,119	1.1%	5,235	0.9%	20.8	0.1%	195,861	0.6%	379	0.4%	517	0.1%	8,663	0.4%	4,153	0.0%	802,659	0.7%	28,100	830,759	0.7%	
	2033	488,049	0.7%	31,593	0.3%	15,448	0.3%	110,285	1.1%	5,281	0.9%	20.9	0.2%	196,928	0.5%	380	0.4%	518	0.1%	8,695	0.4%	4,153	0.0%	808,110	0.7%	28,291	836,401	0.7%	
	2034	491,352	0.7%	31,697	0.3%	15,502	0.3%	111,465	1.1%	5,326	0.8%	20.9	0.2%	197,976	0.5%	381	0.4%	519	0.1%	8,727	0.4%	4,153	0.0%	813,673	0.7%	28,486	842,160	0.7%	
2035	494,629	0.7%	31,800	0.3%	15,554	0.3%	112,617	1.0%	5,370	0.8%	21.0	0.2%	199,023	0.5%	383	0.4%	520	0.2%	8,758	0.4%	4,153	0.0%	819,181	0.7%	28,677	847,858	0.7%		
2036	497,881	0.7%	31,904	0.3%	15,606	0.3%	113,739	1.0%	5,414	0.8%	21.0	0.2%	200,080	0.5%	384	0.4%	521	0.2%	8,790	0.4%	4,153	0.0%	824,644	0.7%	28,868	853,512	0.7%		
CAGR	2007-2016		-0.1%		0.9%		-0.9%		-2.5%		-1.6%		-1.0%		0.4%		0.6%		-0.2%		-0.9%		-0.8%		-0.3%			-0.2%	
	2017-2026		0.7%		0.4%		0.4%		1.8%		1.4%		0.4%		0.6%		0.9%		-0.3%		0.5%		0.0%		0.8%		0.8%		
	2027-2036		0.6%		0.3%		0.3%		1.1%		0.9%		0.2%		0.5%		0.4%		0.1%		0.4%		0.0%		0.7%		0.7%		

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	439.7	-	168.6	-	290.6	-	17.04	-	19,592	-	13,897	-	82,421	-
1997	448.5	2.0%	172.7	2.4%	297.6	2.4%	17.69	3.8%	20,566	5.0%	14,524	4.5%	84,119	2.1%
1998	455.0	1.4%	176.4	2.1%	307.9	3.5%	18.11	2.4%	21,521	4.6%	15,676	7.9%	88,888	5.7%
1999	460.4	1.2%	179.8	2.0%	314.3	2.1%	18.05	-0.4%	21,607	0.4%	16,113	2.8%	89,613	0.8%
2000	466.6	1.3%	183.4	2.0%	327.4	4.2%	18.75	3.9%	22,423	3.8%	17,169	6.6%	93,629	4.5%
2001	474.7	1.7%	188.2	2.6%	325.7	-0.5%	17.34	-7.5%	22,709	1.3%	17,292	0.7%	91,894	-1.9%
2002	482.5	1.6%	192.9	2.5%	325.8	0.0%	16.43	-5.3%	23,314	2.7%	17,701	2.4%	91,746	-0.2%
2003	491.0	1.8%	197.9	2.6%	334.6	2.7%	15.96	-2.9%	24,889	6.8%	18,378	3.8%	92,856	1.2%
2004	500.5	1.9%	202.6	2.4%	346.4	3.5%	15.93	-0.2%	25,808	3.7%	19,330	5.2%	95,387	2.7%
2005	509.9	1.9%	207.0	2.2%	356.4	2.9%	15.89	-0.2%	26,897	4.2%	20,432	5.7%	98,685	3.5%
2006	519.8	1.9%	210.6	1.7%	369.4	3.7%	15.66	-1.5%	28,286	5.2%	21,928	7.3%	104,144	5.5%
2007	527.3	1.4%	212.4	0.9%	376.5	1.9%	15.33	-2.1%	28,206	-0.3%	22,186	1.2%	104,463	0.3%
2008	532.6	1.0%	213.3	0.4%	368.9	-2.0%	15.02	-2.0%	26,745	-5.2%	21,781	-1.8%	102,134	-2.2%
2009	537.3	0.9%	213.5	0.1%	354.6	-3.9%	13.76	-8.4%	25,305	-5.4%	20,871	-4.2%	97,750	-4.3%
2010	542.6	1.0%	215.1	0.7%	352.7	-0.5%	12.99	-5.6%	25,492	0.7%	21,605	3.5%	100,465	2.8%
2011	548.7	1.1%	217.1	1.0%	361.6	2.5%	12.94	-0.4%	25,287	-0.8%	22,215	2.8%	102,323	1.8%
2012	556.0	1.3%	218.5	0.6%	366.4	1.3%	13.09	1.2%	25,713	1.7%	22,965	3.4%	105,119	2.7%
2013	563.6	1.4%	221.2	1.3%	373.2	1.9%	13.02	-0.6%	25,923	0.8%	22,826	-0.6%	103,185	-1.8%
2014	573.9	1.8%	226.2	2.3%	382.6	2.5%	13.16	1.1%	26,636	2.8%	23,630	3.5%	104,466	1.2%
2015	583.2	1.6%	231.0	2.1%	391.8	2.4%	13.88	5.5%	27,545	3.4%	24,430	3.4%	105,814	1.3%
2016	592.6	1.6%	235.7	2.1%	400.3	2.2%	14.10	1.6%	28,306	2.8%	25,204	3.2%	107,035	1.2%
2017	599.0	1.1%	239.1	1.4%	407.6	1.8%	14.18	0.5%	29,087	2.8%	26,007	3.2%	108,905	1.7%
2018	605.0	1.0%	242.2	1.3%	413.7	1.5%	14.19	0.1%	29,876	2.7%	26,787	3.0%	110,734	1.7%
2019	610.6	0.9%	245.2	1.2%	419.1	1.3%	14.25	0.4%	30,530	2.2%	27,496	2.6%	112,270	1.4%
2020	615.7	0.9%	248.0	1.1%	424.3	1.2%	14.34	0.7%	31,136	2.0%	28,117	2.3%	113,513	1.1%
2021	620.8	0.8%	250.6	1.1%	429.6	1.2%	14.39	0.3%	31,783	2.1%	28,887	2.7%	115,399	1.7%
2022	625.6	0.8%	253.0	1.0%	436.0	1.5%	14.35	-0.3%	32,565	2.5%	29,639	2.6%	117,272	1.6%
2023	630.3	0.8%	255.3	0.9%	442.1	1.4%	14.27	-0.6%	33,322	2.3%	30,380	2.5%	119,121	1.6%
2024	634.9	0.7%	257.4	0.8%	447.2	1.2%	14.18	-0.6%	33,963	1.9%	31,059	2.2%	120,793	1.4%
2025	639.2	0.7%	259.3	0.7%	452.2	1.1%	14.06	-0.9%	34,579	1.8%	31,728	2.2%	122,502	1.4%
2026	643.4	0.7%	261.1	0.7%	457.1	1.1%	13.96	-0.7%	35,220	1.9%	32,364	2.0%	124,089	1.3%
2027	648.0	0.7%	263.0	0.7%	461.7	1.0%	13.88	-0.6%	35,904	1.9%	33,020	2.0%	125,663	1.3%
2028	652.8	0.7%	265.2	0.8%	466.4	1.0%	13.76	-0.9%	36,660	2.1%	33,711	2.1%	127,249	1.3%
2029	657.9	0.8%	267.4	0.8%	471.5	1.1%	13.67	-0.7%	37,494	2.3%	34,444	2.2%	128,927	1.3%
2030	663.0	0.8%	269.7	0.8%	476.6	1.1%	13.59	-0.5%	38,354	2.3%	35,120	2.0%	130,370	1.1%
2031	668.5	0.8%	272.1	0.9%	482.0	1.1%	13.52	-0.5%	39,262	2.4%	35,968	2.4%	132,353	1.5%
2032	674.0	0.8%	274.4	0.9%	487.9	1.2%	13.41	-0.8%	40,201	2.4%	36,792	2.3%	134,208	1.4%
2033	679.4	0.8%	276.8	0.9%	493.1	1.1%	13.31	-0.7%	41,121	2.3%	37,611	2.2%	136,002	1.3%
2034	684.8	0.8%	279.2	0.9%	498.0	1.0%	13.23	-0.6%	42,070	2.3%	38,436	2.2%	137,799	1.3%
2035	690.0	0.8%	281.6	0.8%	502.8	1.0%	13.14	-0.6%	43,051	2.3%	39,292	2.2%	139,689	1.4%
2036	695.1	0.7%	284.0	0.8%	507.9	1.0%	13.07	-0.6%	44,072	2.4%	40,152	2.2%	141,551	1.3%
Average Percent Change														
2006-2016		1.3%		1.1%		0.8%		-1.0%		0.0%		1.4%		0.3%
2017-2026		0.8%		1.0%		1.3%		-0.2%		2.1%		2.5%		1.5%
2027-2036		0.8%		0.8%		1.1%		-0.7%		2.3%		2.2%		1.3%







FMPA 2017 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	2007	766,179	-	741,690	-	-3.2%	79.4	-	77.0	-	-3.0%	133.1	-	134.1		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%
	2016	800,141	2.6%	770,431	2.4%	-3.7%	72.5	-19.4%	85.5	2.1%	18.0%	140.6	8.1%	140.8	11.6%	0.2%
Projected	2017	783,099	-2.1%	783,099	1.6%		73.4	1.3%	73.4	-14.1%		134.6	-4.2%	134.6	-4.4%	
	2018			790,511	0.9%				74.0	0.8%				135.6	0.8%	
	2019			791,988	0.2%				74.1	0.2%				135.9	0.2%	
	2020			794,287	0.3%				74.3	0.3%				136.2	0.3%	
	2021			796,916	0.3%				74.6	0.4%				136.8	0.4%	
	2022			800,435	0.4%				74.9	0.4%				137.4	0.4%	
	2023			803,448	0.4%				75.2	0.4%				137.8	0.4%	
	2024			805,790	0.3%				75.4	0.3%				138.2	0.3%	
	2025			807,735	0.2%				75.6	0.2%				138.5	0.2%	
	2026			809,553	0.2%				75.8	0.2%				138.9	0.2%	
	2027			811,415	0.2%				75.9	0.2%				139.2	0.2%	
	2028			813,178	0.2%				76.1	0.2%				139.5	0.2%	
	2029			814,797	0.2%				76.3	0.2%				139.7	0.2%	
	2030			816,208	0.2%				76.4	0.2%				140.0	0.2%	
	2031			817,565	0.2%				76.5	0.2%				140.2	0.2%	
	2032			818,920	0.2%				76.6	0.2%				140.4	0.2%	
	2033			820,019	0.1%				76.7	0.1%				140.6	0.1%	
	2034			820,997	0.1%				76.8	0.1%				140.8	0.1%	
	2035			821,881	0.1%				76.9	0.1%				140.9	0.1%	
	2036			822,798	0.1%				77.0	0.1%				141.1	0.1%	
CAGR <sup>[3]</sup>	2007-2016		0.5%		0.4%			-1.0%		1.2%			0.6%		0.5%	
	2017-2026				0.4%					0.3%					0.3%	
	2027-2036				0.2%					0.2%					0.2%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Keys Energy**  
**2017 v. 2016 (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	2007	766,179	-	766,179	-	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%	779,772	1.2%	124.0	146.7	124.0	146.7	89.9	130.0	89.9	130.0
	2016	800,141	2.6%	768,761	-1.4%	128.5	147.2	117.8	141.6	72.5	140.6	73.6	132.2
Projected	2017	783,099	-2.1%	779,410	1.4%	121.2	144.6	119.2	143.3	73.4	134.6	74.5	133.8
	2018	790,511	0.9%	782,656	0.4%	122.2	145.7	119.8	143.9	74.0	135.6	74.8	134.4
	2019	791,988	0.2%	787,611	0.6%	122.4	146.0	120.6	144.9	74.1	135.9	75.3	135.2
	2020	794,287	0.3%	793,499	0.7%	122.7	146.4	121.5	146.0	74.3	136.2	75.9	136.3
	2021	796,916	0.3%	799,568	0.8%	123.2	146.9	122.4	147.1	74.6	136.8	76.4	137.3
	2022	800,435	0.4%	805,125	0.7%	123.7	147.6	123.2	148.1	74.9	137.4	77.0	138.2
	2023	803,448	0.4%	810,002	0.6%	124.2	148.1	123.9	149.0	75.2	137.8	77.4	139.0
	2024	805,790	0.3%	814,622	0.6%	124.5	148.5	124.6	149.8	75.4	138.2	77.9	139.8
	2025	807,735	0.2%	819,252	0.6%	124.8	148.9	125.4	150.7	75.6	138.5	78.3	140.6
	2026	809,553	0.2%	824,033	0.6%	125.1	149.2	126.1	151.5	75.8	138.9	78.8	141.5
	2027	811,415	0.2%	829,187	0.6%	125.4	149.5	126.9	152.5	75.9	139.2	79.3	142.4
	2028	813,178	0.2%	834,539	0.6%	125.6	149.9	127.7	153.5	76.1	139.5	79.8	143.3
	2029	814,797	0.2%	839,498	0.6%	125.9	150.1	128.5	154.4	76.3	139.7	80.2	144.1
	2030	816,208	0.2%	843,857	0.5%	126.1	150.4	129.1	155.1	76.4	140.0	80.6	144.8
	2031	817,565	0.2%	847,689	0.5%	126.3	150.7	129.7	155.8	76.5	140.2	81.0	145.5
	2032	818,920	0.2%	851,435	0.4%	126.5	150.9	130.2	156.5	76.6	140.4	81.3	146.1
	2033	820,019	0.1%	854,976	0.4%	126.7	151.1	130.8	157.2	76.7	140.6	81.7	146.7
	2034	820,997	0.1%	858,374	0.4%	126.8	151.3	131.3	157.8	76.8	140.8	82.0	147.3
	2035	821,881	0.1%	861,754	0.4%	127.0	151.4	131.8	158.4	76.9	140.9	82.3	147.9
	2036	822,798	0.1%			127.1	151.6			77.0	141.1		
CAGR <sup>[1]</sup>	Historical		0.5%		0.2%	0.9%	0.4%	0.6%	0.4%	-3.2%	1.5%	-0.6%	0.6%
	1st 10 Prj Yrs		0.4%		0.7%	0.3%	0.3%	0.7%	0.7%	0.3%	0.3%	0.7%	0.7%
	2nd 10 Prj Yrs		0.2%		0.5%	0.2%	0.2%	0.5%	0.5%	0.2%	0.2%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate



# FMPA 2017 Load Forecast - Base Case

## Keys Energy

### Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	68,760	64,072	63,175	806,252	779,772
	2016	52,882	49,348	62,070	61,116	70,437	75,779	82,211	79,138	71,154	67,763	55,620	57,093	784,611	800,141
Projected	2017	54,576	51,344	58,093	61,562	67,064	75,627	80,342	80,929	73,086	67,803	56,403	58,272	785,101	783,099
	2018	55,465	52,077	58,724	62,142	67,646	76,212	80,888	81,420	73,458	68,080	56,590	58,429	791,131	790,511
	2019	55,567	52,144	58,800	62,224	67,735	76,302	80,996	81,544	73,579	68,242	56,758	58,631	792,520	791,988
	2020	55,781	52,360	59,018	62,433	67,951	76,500	81,165	81,702	73,747	68,407	56,905	58,794	794,763	794,287
	2021	55,937	52,519	59,210	62,643	68,189	76,775	81,469	82,020	74,048	68,697	57,156	59,064	797,728	796,916
	2022	56,193	52,755	59,478	62,922	68,491	77,112	81,826	82,375	74,365	68,986	57,393	59,306	801,203	800,435
	2023	56,419	52,962	59,709	63,159	68,744	77,389	82,113	82,656	74,613	69,211	57,577	59,493	804,043	803,448
	2024	56,593	53,121	59,888	63,342	68,940	77,603	82,337	82,876	74,809	69,391	57,726	59,647	806,273	805,790
	2025	56,736	53,253	60,036	63,496	69,104	77,783	82,525	83,062	74,976	69,544	57,853	59,780	808,149	807,735
	2026	56,861	53,372	60,172	63,639	69,261	77,959	82,712	83,251	75,149	69,707	57,991	59,925	809,998	809,553
Projected	2027	56,996	53,497	60,315	63,787	69,421	78,134	82,896	83,433	75,313	69,860	58,119	60,060	811,831	811,415
	2028	57,122	53,615	60,449	63,927	69,572	78,301	83,072	83,609	75,472	70,007	58,243	60,189	813,579	813,178
	2029	57,241	53,726	60,573	64,056	69,710	78,452	83,228	83,762	75,609	70,133	58,347	60,297	815,136	814,797
	2030	57,342	53,820	60,680	64,167	69,830	78,585	83,369	83,902	75,735	70,249	58,443	60,396	816,519	816,208
	2031	57,436	53,908	60,781	64,273	69,946	78,715	83,509	84,044	75,864	70,371	58,546	60,505	817,898	817,565
	2032	57,537	54,001	60,885	64,380	70,061	78,841	83,640	84,173	75,979	70,475	58,632	60,592	819,197	818,920
	2033	57,618	54,075	60,969	64,466	70,153	78,942	83,746	84,277	76,073	70,561	58,703	60,667	820,251	820,019
	2034	57,688	54,140	61,043	64,543	70,237	79,035	83,844	84,375	76,161	70,643	58,771	60,737	821,217	820,997
	2035	57,753	54,200	61,110	64,613	70,312	79,117	83,929	84,459	76,236	70,713	58,830	60,799	822,073	821,881
	2036	57,812	54,258	61,178	64,686	70,393	79,209	84,029	84,561	76,331	70,803	58,907	60,881	823,045	822,798

### Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	6.7%	5.9%	7.8%	8.4%	8.6%	9.1%	10.1%	10.0%	9.1%	8.5%	7.9%	7.8%	100.0%
	2016	6.7%	6.3%	7.9%	7.8%	9.0%	9.7%	10.5%	10.1%	9.1%	8.6%	7.1%	7.3%	100.0%
Projected	2017	7.0%	6.5%	7.4%	7.8%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2018	7.0%	6.6%	7.4%	7.9%	8.6%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2019	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2020	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2021	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2022	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2023	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2024	7.0%	6.6%	7.4%	7.9%	8.6%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2025	7.0%	6.6%	7.4%	7.9%	8.6%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
	2026	7.0%	6.6%	7.4%	7.9%	8.6%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%
Avg.	2007-2016	7.0%	6.6%	7.5%	8.0%	9.0%	9.5%	10.2%	10.2%	9.1%	8.7%	7.1%	7.2%	100.0%
	2017-2026	7.0%	6.6%	7.4%	7.9%	8.5%	9.6%	10.2%	10.3%	9.3%	8.6%	7.2%	7.4%	100.0%

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

**FMPA 2017 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	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	130.8	128.0	124.5	124.0	146.7
	2016	122.7	113.8	128.5	129.7	136.8	142.3	147.2	143.7	137.7	131.8	114.9	108.5	128.5	147.2
Projected	2017	109.5	117.1	121.2	125.5	133.9	140.2	144.6	143.1	137.0	129.5	113.0	109.3	121.2	144.6
	2018	110.4	118.0	122.2	126.5	134.9	141.3	145.7	144.2	138.0	130.5	113.8	109.5	122.2	145.7
	2019	110.6	118.2	122.4	126.7	135.2	141.6	146.0	144.5	138.3	130.7	114.0	109.8	122.4	146.0
	2020	110.9	118.5	122.7	127.1	135.6	142.0	146.4	144.9	138.6	131.1	114.3	110.3	122.7	146.4
	2021	111.3	118.9	123.2	127.5	136.1	142.5	146.9	145.4	139.2	131.6	114.8	110.7	123.2	146.9
	2022	111.8	119.5	123.7	128.1	136.7	143.1	147.6	146.0	139.8	132.2	115.3	111.1	123.7	147.6
	2023	112.2	119.9	124.2	128.5	137.1	143.6	148.1	146.6	140.3	132.6	115.7	111.4	124.2	148.1
	2024	112.5	120.2	124.5	128.9	137.5	144.0	148.5	147.0	140.7	133.0	116.0	111.7	124.5	148.5
	2025	112.7	120.5	124.8	129.2	137.8	144.4	148.9	147.3	141.0	133.3	116.3	112.0	124.8	148.9
Projected	2026	113.0	120.8	125.1	129.5	138.2	144.7	149.2	147.7	141.3	133.6	116.5	112.2	125.1	149.2
	2027	113.3	121.0	125.4	129.8	138.5	145.0	149.5	148.0	141.6	133.9	116.8	112.4	125.4	149.5
	2028	113.5	121.3	125.6	130.1	138.8	145.3	149.9	148.3	141.9	134.2	117.1	112.7	125.6	149.9
	2029	113.7	121.5	125.9	130.3	139.0	145.6	150.1	148.6	142.2	134.5	117.3	112.9	125.9	150.1
	2030	113.9	121.7	126.1	130.5	139.3	145.9	150.4	148.8	142.4	134.7	117.5	113.0	126.1	150.4
	2031	114.1	121.9	126.3	130.8	139.5	146.1	150.7	149.1	142.7	134.9	117.7	113.2	126.3	150.7
	2032	114.3	122.1	126.5	131.0	139.7	146.3	150.9	149.3	142.9	135.1	117.9	113.4	126.5	150.9
	2033	114.4	122.3	126.7	131.1	139.9	146.5	151.1	149.5	143.1	135.3	118.0	113.5	126.7	151.1
	2034	114.6	122.4	126.8	131.3	140.1	146.7	151.3	149.7	143.3	135.5	118.2	113.6	126.8	151.3
Projected	2035	114.7	122.6	127.0	131.4	140.2	146.8	151.4	149.9	143.4	135.6	118.3	113.8	127.0	151.4
	2036	114.8	122.7	127.1	131.6	140.4	147.0	151.6	150.0	143.6	135.8	118.4	113.9	127.1	151.6

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	70.7%	67.3%	70.5%	74.2%	62.7%
Projected	2016	57.9%	62.3%	64.9%	63.4%	76.6%	71.6%	77.6%	74.0%	71.8%	69.1%	65.0%	73.1%	69.7%	60.9%
	2017	67.0%	65.3%	64.4%	65.9%	74.5%	72.5%	77.2%	76.0%	74.1%	70.4%	67.1%	74.0%	73.9%	62.0%
	2018	67.5%	65.7%	64.6%	66.0%	74.6%	72.5%	77.1%	75.9%	73.9%	70.1%	66.8%	74.1%	73.9%	62.0%
	2019	67.5%	65.7%	64.6%	66.0%	74.6%	72.4%	77.1%	75.9%	73.9%	70.2%	66.9%	74.1%	73.9%	62.0%
	2020	67.6%	63.5%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.1%	73.9%	62.0%
	2021	67.6%	65.7%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.2%	66.9%	74.1%	73.9%	62.0%
	2022	67.6%	65.7%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.1%	73.9%	62.0%
	2023	67.6%	65.7%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.1%	73.9%	62.0%
	2024	67.6%	63.5%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.2%	73.9%	62.0%
Projected	2025	67.6%	65.8%	64.7%	66.1%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.2%	73.9%	62.0%
	2026	67.6%	65.8%	64.7%	66.1%	74.6%	72.4%	77.0%	75.8%	73.9%	70.1%	66.9%	74.2%	73.9%	62.0%
Avg.	2007-2016	67.5%	67.8%	66.5%	66.7%	79.4%	71.7%	77.5%	75.1%	72.7%	70.4%	64.9%	70.5%	73.7%	62.0%
	2017-2026	67.5%	65.2%	64.6%	66.0%	74.6%	72.4%	77.0%	75.8%	73.9%	70.2%	66.9%	74.1%	73.9%	62.0%

FMPA 2017 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	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	126.1	123.7	119.5	89.9	130.0
	2016	74.6	72.5	118.7	123.6	111.8	131.4	140.6	141.2	127.9	128.0	94.5	88.9	72.5	140.6
Projected	2017	73.4	78.2	101.8	119.1	126.8	132.6	134.4	134.6	128.9	125.7	92.8	89.6	73.4	134.6
	2018	74.0	78.8	102.5	120.0	127.8	133.6	135.4	135.6	129.9	126.7	93.6	89.8	74.0	135.6
	2019	74.1	78.9	102.7	120.2	128.0	133.9	135.7	135.9	130.1	126.9	93.7	90.0	74.1	135.9
	2020	74.3	79.1	103.0	120.5	128.4	134.3	136.0	136.2	130.5	127.3	94.0	90.4	74.3	136.2
	2021	74.6	79.4	103.4	121.0	128.8	134.8	136.6	136.8	131.0	127.8	94.3	90.8	74.6	136.8
	2022	74.9	79.8	103.9	121.5	129.4	135.3	137.1	137.4	131.6	128.3	94.7	91.1	74.9	137.4
	2023	75.2	80.0	104.2	122.0	129.9	135.8	137.6	137.8	132.0	128.8	95.1	91.3	75.2	137.8
	2024	75.4	80.3	104.5	122.3	130.2	136.2	138.0	138.2	132.4	129.1	95.3	91.6	75.4	138.2
	2025	75.6	80.5	104.8	122.6	130.5	136.5	138.3	138.5	132.7	129.4	95.6	91.8	75.6	138.5
Projected	2026	75.8	80.6	105.0	122.9	130.8	136.8	138.7	138.9	133.0	129.7	95.8	92.0	75.8	138.9
	2027	75.9	80.8	105.2	123.1	131.1	137.1	139.0	139.2	133.3	130.0	96.0	92.2	75.9	139.2
	2028	76.1	81.0	105.5	123.4	131.4	137.4	139.3	139.5	133.6	130.3	96.2	92.3	76.1	139.5
	2029	76.3	81.1	105.7	123.6	131.7	137.7	139.5	139.7	133.9	130.6	96.4	92.5	76.3	139.7
	2030	76.4	81.3	105.8	123.8	131.9	137.9	139.8	140.0	134.1	130.8	96.6	92.7	76.4	140.0
	2031	76.5	81.4	106.0	124.1	132.1	138.2	140.0	140.2	134.3	131.0	96.7	92.8	76.5	140.2
	2032	76.6	81.6	106.2	124.3	132.3	138.4	140.2	140.4	134.5	131.2	96.9	92.9	76.6	140.4
	2033	76.7	81.7	106.3	124.4	132.5	138.6	140.4	140.6	134.7	131.4	97.0	93.0	76.7	140.6
	2034	76.8	81.8	106.4	124.6	132.6	138.7	140.6	140.8	134.9	131.5	97.1	93.1	76.8	140.8
	2035	76.9	81.8	106.6	124.7	132.8	138.9	140.7	140.9	135.0	131.7	97.2	93.2	76.9	140.9
	2036	77.0	81.9	106.7	124.8	132.9	139.0	140.9	141.1	135.2	131.8	97.3	93.4	77.0	141.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	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%	96.4%	96.6%	96.0%	72.5%	88.6%
	2016	60.8%	63.7%	92.4%	95.3%	81.7%	92.4%	95.5%	98.3%	92.9%	97.1%	82.2%	82.0%	56.4%	95.5%
Projected	2017	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2018	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2019	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2020	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2021	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2022	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2023	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2024	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2025	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2026	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%
	2007-2016	75.2%	69.9%	83.3%	93.1%	93.4%	95.5%	94.7%	94.2%	94.6%	96.3%	92.1%	77.2%	71.8%	94.7%
	2017-2026	67.1%	66.8%	83.9%	94.9%	94.7%	94.6%	92.9%	94.0%	94.1%	97.1%	82.2%	82.0%	60.6%	93.1%

# FMPA 2017 Load Forecast - Base Case - Keys

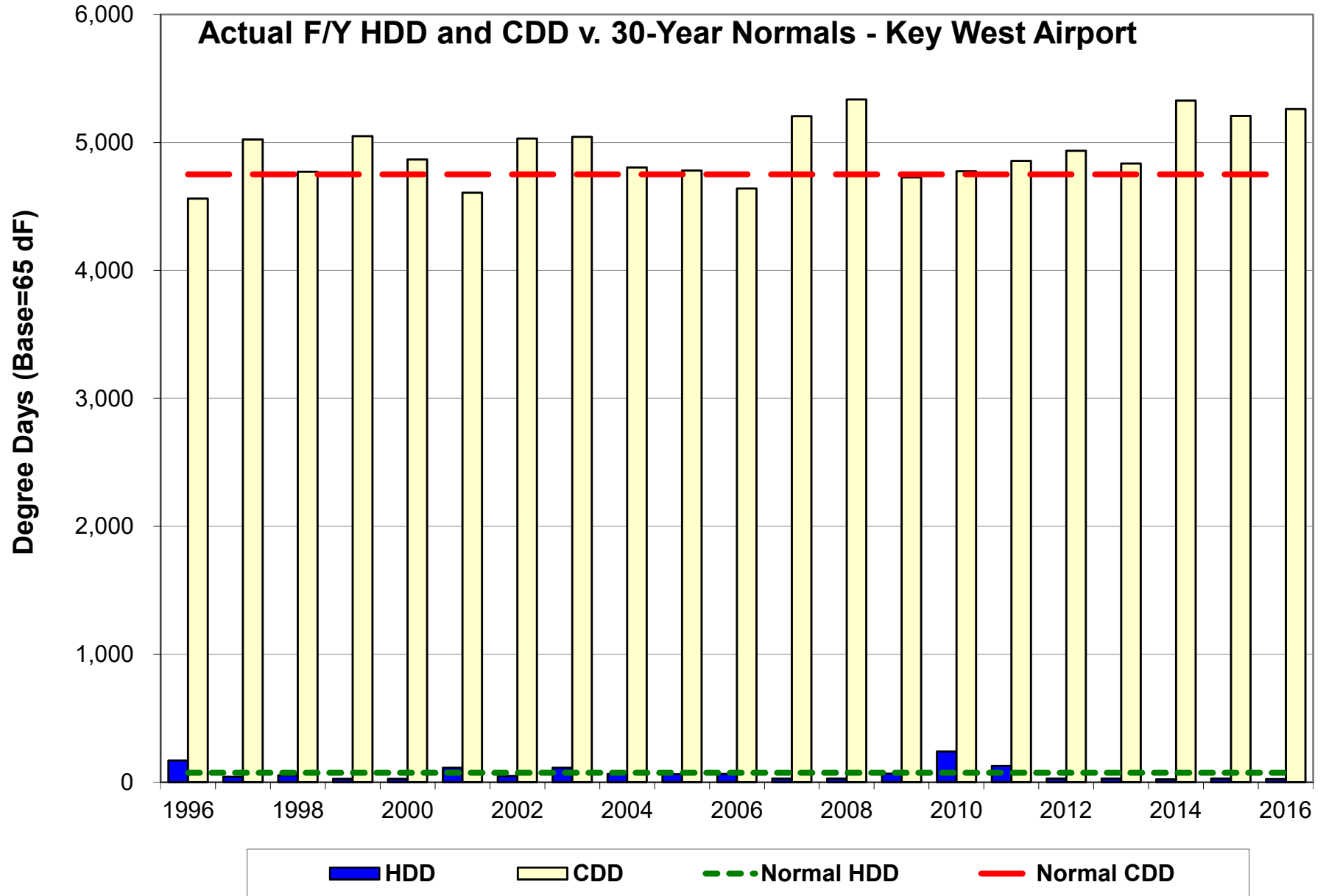
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

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	2007	326,085		24,057		13,555		309,380		3,789		81.7		66,558		4,323		706,346		59,833	766,179	
	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%
Projected	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%
	2016	373,053	4.0%	25,553	0.6%	14,599	3.3%	323,965	2.5%	4,333	1.9%	74.8	0.5%	52,594	0.6%	2,925	3.3%	752,537	3.1%	47,604	800,141	2.6%
	2017	362,672	-2.8%	25,586	0.1%	14,174	-2.9%	322,787	-0.4%	4,385	1.2%	73.6	-1.5%	50,456	-4.1%	2,878	-1.6%	738,793	-1.8%	44,306	783,099	-2.1%
	2018	367,457	1.3%	25,617	0.1%	14,344	1.2%	325,969	1.0%	4,398	0.3%	74.1	0.7%	49,520	-1.9%	2,850	-1.0%	745,795	0.9%	44,716	790,511	0.9%
	2019	366,459	-0.3%	25,694	0.3%	14,263	-0.6%	328,959	0.9%	4,413	0.3%	74.5	0.6%	48,970	-1.1%	2,821	-1.0%	747,209	0.2%	44,779	791,988	0.2%
	2020	366,292	0.0%	25,778	0.3%	14,210	-0.4%	331,726	0.8%	4,428	0.4%	74.9	0.5%	48,567	-0.8%	2,793	-1.0%	749,377	0.3%	44,910	794,287	0.3%
	2021	366,590	0.1%	25,861	0.3%	14,176	-0.2%	334,247	0.8%	4,444	0.4%	75.2	0.4%	48,248	-0.7%	2,765	-1.0%	751,850	0.3%	45,066	796,916	0.3%
	2022	368,174	0.4%	25,940	0.3%	14,193	0.1%	336,273	0.6%	4,461	0.4%	75.4	0.2%	47,985	-0.5%	2,737	-1.0%	755,170	0.4%	45,266	800,435	0.4%
	2023	369,503	0.4%	26,017	0.3%	14,203	0.1%	338,042	0.5%	4,477	0.4%	75.5	0.2%	47,760	-0.5%	2,710	-1.0%	758,015	0.4%	45,433	803,448	0.4%
	2024	370,292	0.2%	26,090	0.3%	14,193	-0.1%	339,688	0.5%	4,494	0.4%	75.6	0.1%	47,564	-0.4%	2,683	-1.0%	760,227	0.3%	45,563	805,790	0.3%
	2025	370,904	0.2%	26,160	0.3%	14,178	-0.1%	341,114	0.4%	4,510	0.4%	75.6	0.1%	47,391	-0.4%	2,656	-1.0%	762,064	0.2%	45,671	807,735	0.2%
	2026	371,462	0.2%	26,228	0.3%	14,163	-0.1%	342,452	0.4%	4,526	0.3%	75.7	0.0%	47,235	-0.3%	2,630	-1.0%	763,778	0.2%	45,774	809,553	0.2%
	2027	372,015	0.1%	26,293	0.2%	14,149	-0.1%	343,824	0.4%	4,541	0.3%	75.7	0.1%	47,093	-0.3%	2,603	-1.0%	765,535	0.2%	45,879	811,415	0.2%
	2028	372,486	0.1%	26,356	0.2%	14,133	-0.1%	345,172	0.4%	4,556	0.3%	75.8	0.1%	46,963	-0.3%	2,577	-1.0%	767,199	0.2%	45,979	813,178	0.2%
	2029	372,946	0.1%	26,416	0.2%	14,118	-0.1%	346,387	0.4%	4,570	0.3%	75.8	0.0%	46,844	-0.3%	2,551	-1.0%	768,728	0.2%	46,070	814,797	0.2%
	2030	373,377	0.1%	26,474	0.2%	14,104	-0.1%	347,423	0.3%	4,585	0.3%	75.8	0.0%	46,733	-0.2%	2,526	-1.0%	770,059	0.2%	46,149	816,208	0.2%
	2031	373,902	0.1%	26,530	0.2%	14,094	-0.1%	348,307	0.3%	4,598	0.3%	75.7	0.0%	46,630	-0.2%	2,501	-1.0%	771,339	0.2%	46,226	817,565	0.2%
	2032	374,394	0.1%	26,584	0.2%	14,083	-0.1%	349,216	0.3%	4,611	0.3%	75.7	0.0%	46,533	-0.2%	2,476	-1.0%	772,619	0.2%	46,302	818,920	0.2%
	2033	374,790	0.1%	26,636	0.2%	14,071	-0.1%	349,974	0.2%	4,624	0.3%	75.7	-0.1%	46,442	-0.2%	2,451	-1.0%	773,656	0.1%	46,363	820,019	0.1%
	2034	375,139	0.1%	26,687	0.2%	14,057	-0.1%	350,659	0.2%	4,636	0.3%	75.6	-0.1%	46,356	-0.2%	2,426	-1.0%	774,580	0.1%	46,418	820,997	0.1%
	2035	375,375	0.1%	26,735	0.2%	14,040	-0.1%	351,363	0.2%	4,648	0.3%	75.6	-0.1%	46,274	-0.2%	2,402	-1.0%	775,414	0.1%	46,467	821,881	0.1%
	2036	375,623	0.1%	26,782	0.2%	14,025	-0.1%	352,080	0.2%	4,660	0.2%	75.6	0.0%	46,197	-0.2%	2,378	-1.0%	776,278	0.1%	46,520	822,798	0.1%
CAGR	2007-2016		1.5%		0.7%		0.8%		0.5%		1.5%		-1.0%		-2.6%		-4.2%		0.7%			0.5%
	2017-2026		0.3%		0.3%		0.0%		0.7%		0.4%		0.3%		-0.7%		-1.0%		0.4%			0.4%
	2027-2036		0.1%		0.2%		-0.1%		0.3%		0.3%		0.0%		-0.2%		-1.0%		0.2%			0.2%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	81.5	-	35.1	-	48.7	-	0.48	-	2,181	-	3,139	-	89,465	-
1997	81.1	-0.5%	35.1	-0.1%	50.5	3.7%	0.56	15.5%	2,279	4.5%	3,270	4.2%	93,259	4.2%
1998	81.0	-0.1%	35.1	0.2%	52.5	3.9%	0.52	-7.5%	2,344	2.8%	3,564	9.0%	101,465	8.8%
1999	80.1	-1.1%	35.3	0.6%	52.2	-0.5%	0.45	-12.3%	2,404	2.6%	3,586	0.6%	101,538	0.1%
2000	79.5	-0.7%	35.3	0.0%	53.8	3.0%	0.44	-1.9%	2,390	-0.6%	3,860	7.6%	109,279	7.6%
2001	79.1	-0.5%	35.6	0.7%	54.6	1.5%	0.38	-14.3%	2,488	4.1%	3,827	-0.9%	107,599	-1.5%
2002	78.9	-0.3%	35.9	0.8%	54.4	-0.4%	0.37	-3.9%	2,416	-2.9%	3,753	-1.9%	104,686	-2.7%
2003	78.7	-0.3%	36.2	0.9%	55.6	2.2%	0.31	-14.0%	2,562	6.1%	3,857	2.8%	106,574	1.8%
2004	77.8	-1.2%	35.9	-0.7%	55.6	0.0%	0.32	2.7%	2,589	1.0%	4,219	9.4%	117,362	10.1%
2005	76.0	-2.3%	35.3	-1.8%	56.0	0.8%	0.31	-4.6%	2,606	0.7%	4,604	9.1%	130,474	11.2%
2006	73.9	-2.8%	34.3	-2.9%	56.6	0.9%	0.32	2.5%	2,594	-0.5%	5,046	9.6%	147,292	12.9%
2007	73.0	-1.2%	33.8	-1.5%	56.7	0.3%	0.32	0.4%	2,615	0.8%	5,179	2.6%	153,459	4.2%
2008	72.7	-0.4%	33.4	-1.0%	55.7	-1.9%	0.27	-13.8%	2,624	0.4%	4,959	-4.2%	148,370	-3.3%
2009	72.7	-0.1%	33.1	-1.1%	53.5	-3.8%	0.26	-6.3%	2,434	-7.3%	4,380	-11.7%	132,470	-10.7%
2010	73.2	0.7%	32.6	-1.5%	55.0	2.7%	0.21	-16.8%	2,504	2.9%	4,570	4.3%	140,399	6.0%
2011	74.0	1.1%	32.6	0.0%	55.3	0.6%	0.20	-5.6%	2,503	0.0%	4,629	1.3%	142,204	1.3%
2012	74.8	1.1%	32.6	0.3%	56.9	2.9%	0.21	5.2%	2,538	1.4%	5,028	8.6%	154,004	8.3%
2013	76.3	2.0%	32.9	0.6%	58.8	3.2%	0.23	7.2%	2,599	2.4%	4,834	-3.9%	147,103	-4.5%
2014	76.9	0.8%	33.0	0.3%	60.6	3.0%	0.38	66.7%	2,644	1.8%	4,995	3.3%	151,566	3.0%
2015	77.6	0.8%	33.2	0.7%	63.7	5.1%	0.38	0.5%	2,722	2.9%	5,209	4.3%	156,996	3.6%
2016	78.2	0.8%	33.5	1.1%	64.9	1.9%	0.38	0.0%	2,954	8.5%	5,332	2.4%	158,975	1.3%
2017	78.9	0.9%	33.8	0.8%	66.3	2.1%	0.38	-0.2%	3,123	5.7%	5,414	1.5%	160,081	0.7%
2018	79.6	0.9%	34.1	0.9%	67.4	1.7%	0.38	0.9%	3,261	4.4%	5,535	2.2%	162,224	1.3%
2019	80.2	0.8%	34.4	0.8%	68.5	1.7%	0.39	1.2%	3,384	3.8%	5,692	2.8%	165,568	2.1%
2020	80.8	0.7%	34.6	0.7%	69.7	1.7%	0.39	1.3%	3,509	3.7%	5,853	2.8%	169,098	2.1%
2021	81.3	0.7%	34.8	0.7%	70.8	1.6%	0.40	1.1%	3,634	3.6%	5,993	2.4%	172,007	1.7%
2022	81.9	0.6%	35.0	0.6%	72.0	1.6%	0.40	0.1%	3,776	3.9%	6,120	2.1%	174,676	1.6%
2023	82.3	0.6%	35.2	0.5%	73.0	1.5%	0.39	-0.7%	3,912	3.6%	6,250	2.1%	177,544	1.6%
2024	82.8	0.5%	35.3	0.4%	74.1	1.4%	0.39	-0.4%	4,031	3.1%	6,370	1.9%	180,288	1.5%
2025	83.2	0.5%	35.4	0.3%	75.0	1.2%	0.39	-0.7%	4,137	2.6%	6,486	1.8%	183,014	1.5%
2026	83.6	0.5%	35.5	0.2%	75.9	1.2%	0.39	-0.2%	4,251	2.7%	6,608	1.9%	186,016	1.6%
2027	84.0	0.5%	35.6	0.2%	76.8	1.2%	0.39	-0.2%	4,366	2.7%	6,737	2.0%	189,221	1.7%
2028	84.3	0.4%	35.7	0.4%	77.7	1.1%	0.39	-0.7%	4,481	2.6%	6,861	1.8%	191,991	1.5%
2029	84.7	0.4%	35.9	0.4%	78.5	1.0%	0.38	-1.0%	4,590	2.4%	6,982	1.8%	194,642	1.4%
2030	85.0	0.4%	36.0	0.3%	79.2	1.0%	0.38	-1.1%	4,699	2.4%	7,086	1.5%	196,883	1.2%
2031	85.3	0.3%	36.1	0.3%	80.0	0.9%	0.37	-1.4%	4,802	2.2%	7,203	1.7%	199,557	1.4%
2032	85.5	0.3%	36.2	0.3%	80.7	0.8%	0.36	-2.3%	4,893	1.9%	7,311	1.5%	201,853	1.2%
2033	85.7	0.2%	36.3	0.2%	81.3	0.8%	0.36	-1.9%	4,990	2.0%	7,413	1.4%	204,373	1.2%
2034	85.8	0.1%	36.3	0.1%	82.0	0.8%	0.35	-1.7%	5,092	2.0%	7,520	1.4%	207,009	1.3%
2035	85.9	0.1%	36.4	0.2%	82.7	0.8%	0.34	-1.7%	5,199	2.1%	7,631	1.5%	209,739	1.3%
2036	86.0	0.1%	36.5	0.2%	83.4	0.9%	0.34	-1.6%	5,311	2.2%	7,746	1.5%	212,435	1.3%
<b>Average Percent Change</b>														
<b>2006-2016</b>				-0.2%		1.4%		1.9%		1.3%		0.6%		0.8%
<b>2017-2026</b>				0.6%		1.5%		0.3%		3.5%		2.2%		1.7%
<b>2027-2036</b>				0.3%		0.9%		-1.4%		2.3%		1.6%		1.3%



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FMPA 2017 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	2007	1,453,502	-	1,454,708	-	0.1%	250.0	-	264.4	-	5.8%	321.0	-	321.6		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%
	2016	1,585,494	5.1%	1,522,068	4.2%	-4.0%	250.9	-5.2%	260.4	8.6%	3.8%	353.7	7.0%	350.6	3.1%	-0.9%
Projected	2017	1,556,519	-1.8%	1,556,519	2.3%		275.9	10.0%	275.9	6.0%		346.2	-2.1%	346.2	-1.3%	
	2018			1,583,693	1.7%				281.0	1.9%				352.6	1.9%	
	2019			1,611,977	1.8%				285.9	1.8%				358.8	1.8%	
	2020			1,642,877	1.9%				291.4	1.9%				365.7	1.9%	
	2021			1,669,105	1.6%				296.1	1.6%				371.5	1.6%	
	2022			1,699,862	1.8%				301.6	1.9%				378.5	1.9%	
	2023			1,731,928	1.9%				307.3	1.9%				385.6	1.9%	
	2024			1,766,726	2.0%				313.4	2.0%				393.3	2.0%	
	2025			1,796,005	1.7%				318.6	1.7%				399.8	1.7%	
	2026			1,828,581	1.8%				324.4	1.8%				407.0	1.8%	
	2027			1,861,717	1.8%				330.3	1.8%				414.4	1.8%	
	2028			1,898,960	2.0%				336.8	2.0%				422.6	2.0%	
	2029			1,927,032	1.5%				341.7	1.4%				428.7	1.4%	
	2030			1,957,334	1.6%				347.0	1.6%				435.5	1.6%	
	2031			1,987,765	1.6%				352.4	1.5%				442.2	1.5%	
	2032			2,021,019	1.7%				358.2	1.7%				449.5	1.7%	
	2033			2,046,732	1.3%				362.7	1.3%				455.2	1.3%	
	2034			2,075,325	1.4%				367.8	1.4%				461.6	1.4%	
	2035			2,104,519	1.4%				373.0	1.4%				468.1	1.4%	
	2036			2,138,062	1.6%				378.9	1.6%				475.5	1.6%	
CAGR <sup>[3]</sup>	2007-2016		1.0%		0.5%			0.0%		-0.2%			1.1%		1.0%	
	2017-2026				1.8%					1.8%					1.8%	
	2027-2036				1.5%					1.5%					1.5%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Kissimmee Utility Auth.**  
**2017 v. 2016 (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	2007	1,453,502	-	1,453,502	-	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%	1,508,124	4.6%	264.5	334.8	264.5	334.8	264.5	330.5	264.5	330.5
	2016	1,585,494	5.1%	1,511,679	0.2%	281.7	353.7	283.3	339.0	250.9	353.7	271.3	336.1
Projected	2017	1,556,519	-1.8%	1,537,992	1.7%	288.5	348.2	287.6	344.1	275.9	346.2	275.4	341.2
	2018	1,583,693	1.7%	1,562,830	1.6%	293.8	354.7	292.3	349.8	281.0	352.6	279.9	346.8
	2019	1,611,977	1.8%	1,590,271	1.8%	299.0	360.9	297.6	356.1	285.9	358.8	284.9	353.0
	2020	1,642,877	1.9%	1,624,721	2.2%	304.7	367.8	304.2	364.0	291.4	365.7	291.3	360.9
	2021	1,669,105	1.6%	1,657,473	2.0%	309.6	373.8	310.3	371.4	296.1	371.5	297.2	368.2
	2022	1,699,862	1.8%	1,693,268	2.2%	315.4	380.7	317.0	379.3	301.6	378.5	303.6	376.1
	2023	1,731,928	1.9%	1,727,578	2.0%	321.3	387.9	323.3	386.9	307.3	385.6	309.6	383.6
	2024	1,766,726	2.0%	1,763,897	2.1%	327.7	395.6	330.1	395.0	313.4	393.3	316.1	391.6
	2025	1,796,005	1.7%	1,794,606	1.7%	333.2	402.2	335.8	401.8	318.6	399.8	321.6	398.4
	2026	1,828,581	1.8%	1,827,854	1.9%	339.2	409.5	342.0	409.2	324.4	407.0	327.5	405.7
	2027	1,861,717	1.8%	1,860,628	1.8%	345.4	416.9	348.0	416.5	330.3	414.4	333.3	412.9
	2028	1,898,960	2.0%	1,895,677	1.9%	352.2	425.2	354.5	424.3	336.8	422.6	339.5	420.6
	2029	1,927,032	1.5%	1,923,867	1.5%	357.3	431.3	359.8	430.5	341.7	428.7	344.5	426.8
	2030	1,957,334	1.6%	1,954,526	1.6%	362.9	438.1	365.4	437.3	347.0	435.5	349.9	433.5
	2031	1,987,765	1.6%	1,983,111	1.5%	368.5	444.8	370.7	443.6	352.4	442.2	355.0	439.8
	2032	2,021,019	1.7%	2,015,675	1.6%	374.6	452.2	376.9	451.0	358.2	449.5	360.9	447.1
	2033	2,046,732	1.3%	2,043,708	1.4%	379.3	457.9	382.1	457.3	362.7	455.2	365.9	453.4
	2034	2,075,325	1.4%	2,075,312	1.5%	384.6	464.3	388.0	464.3	367.8	461.6	371.6	460.3
	2035	2,104,519	1.4%	2,106,860	1.5%	390.1	470.9	393.9	471.3	373.0	468.1	377.2	467.3
	2036	2,138,062	1.6%			396.3	478.4			378.9	475.5		
CAGR <sup>[1]</sup>	Historical		1.0%		0.5%	1.3%	0.9%	0.7%	0.3%	-0.6%	1.7%	0.0%	0.9%
	1st 10 Prj Yrs		1.8%		1.9%	1.8%	1.8%	1.9%	1.9%	1.8%	1.8%	1.9%	1.9%
	2nd 10 Prj Yrs		1.5%		1.6%	1.5%	1.5%	1.6%	1.6%	1.5%	1.5%	1.6%	1.6%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

**Kissimmee Utility Auth.**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	127,152	118,417	115,346	1,546,528	1,508,124
	2016	108,578	101,700	113,245	116,616	138,131	156,564	174,908	163,529	151,309	130,351	106,019	114,286	1,575,235	1,585,494
Projected	2017	117,559	102,089	110,721	113,442	137,126	149,121	163,953	165,660	146,192	131,907	107,809	115,829	1,561,409	1,556,519
	2018	119,474	103,835	112,604	115,434	139,631	151,963	167,131	168,998	149,076	134,455	109,813	117,940	1,590,357	1,583,693
	2019	121,663	105,707	114,575	117,431	142,043	154,614	170,031	172,018	151,686	136,789	111,689	119,968	1,618,214	1,611,977
	2020	123,796	110,273	116,546	119,447	144,499	157,333	173,020	175,135	154,382	139,195	113,613	122,038	1,649,276	1,642,877
	2021	125,972	109,445	118,558	121,508	147,015	160,124	176,099	178,356	157,180	141,703	115,626	124,213	1,675,801	1,669,105
	2022	128,276	111,451	120,699	123,705	149,704	163,113	179,401	181,800	160,170	144,376	117,762	126,512	1,706,970	1,699,862
	2023	130,704	113,557	122,939	125,994	152,495	166,207	182,809	185,340	163,233	147,106	119,936	128,844	1,739,164	1,731,928
	2024	133,148	118,582	125,164	128,258	155,247	169,247	186,150	188,810	166,235	149,784	122,071	131,141	1,773,837	1,766,726
	2025	135,580	117,774	127,410	130,553	158,051	172,359	189,583	192,376	169,322	152,534	124,257	133,484	1,803,285	1,796,005
	2026	138,053	119,913	129,678	132,868	160,874	175,490	193,034	195,965	172,431	155,310	126,470	135,863	1,835,948	1,828,581
Projected	2027	140,561	122,082	131,978	135,215	163,742	178,678	196,559	199,637	175,623	158,167	128,749	138,323	1,869,314	1,861,717
	2028	143,177	127,489	134,375	137,656	166,715	181,968	200,170	203,357	178,813	160,979	130,955	140,656	1,906,310	1,898,960
	2029	145,609	126,426	136,553	139,857	169,376	184,896	203,373	206,676	181,676	163,527	132,985	142,841	1,933,794	1,927,032
	2030	147,912	128,420	138,668	142,016	172,008	187,810	206,580	210,010	184,557	166,093	135,028	145,034	1,964,137	1,957,334
	2031	150,225	130,423	140,793	144,184	174,649	190,736	209,798	213,355	187,445	168,663	137,069	147,220	1,994,562	1,987,765
	2032	152,524	135,748	142,887	146,313	177,235	193,590	212,927	216,601	190,242	171,148	139,046	149,339	2,027,600	2,021,019
	2033	154,746	134,324	144,921	148,386	179,753	196,367	215,971	219,763	192,967	173,572	140,976	151,408	2,053,154	2,046,732
	2034	156,918	136,203	146,916	150,422	182,230	199,108	218,984	222,905	195,684	175,997	142,912	153,491	2,081,769	2,075,325
	2035	159,118	138,112	148,948	152,500	184,770	201,928	222,095	226,151	198,497	178,509	144,917	155,649	2,111,193	2,104,519
	2036	161,395	143,621	151,041	154,638	187,376	204,817	225,275	229,463	201,361	181,063	146,954	157,838	2,144,843	2,138,062

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	6.7%	6.3%	7.4%	8.2%	9.1%	9.7%	10.1%	9.9%	9.4%	8.2%	7.7%	7.5%	100.0%
	2016	6.9%	6.5%	7.2%	7.4%	8.8%	9.9%	11.1%	10.4%	9.6%	8.3%	6.7%	7.3%	100.0%
Projected	2017	7.5%	6.5%	7.1%	7.3%	8.8%	9.6%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2018	7.5%	6.5%	7.1%	7.3%	8.8%	9.6%	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%	9.6%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2020	7.5%	6.7%	7.1%	7.2%	8.8%	9.5%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2021	7.5%	6.5%	7.1%	7.3%	8.8%	9.6%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%
	2022	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.7%	9.4%	8.5%	6.9%	7.4%	100.0%
	2023	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.7%	9.4%	8.5%	6.9%	7.4%	100.0%
	2024	7.5%	6.7%	7.1%	7.2%	8.8%	9.5%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2025	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.7%	9.4%	8.5%	6.9%	7.4%	100.0%
	2026	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.7%	9.4%	8.5%	6.9%	7.4%	100.0%
Avg.	2007-2016	7.2%	6.5%	7.1%	7.6%	8.9%	9.7%	10.4%	10.6%	9.5%	8.4%	6.8%	7.3%	100.0%
	2017-2026	7.5%	6.6%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	9.4%	8.5%	6.9%	7.4%	100.0%

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FMPA 2017 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	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	293.1	281.7	242.9	264.5	334.8
	2016	244.0	250.9	261.3	292.5	309.6	343.0	353.7	348.8	324.3	304.4	225.2	213.3	281.7	353.7
Projected	2017	288.5	266.7	233.3	270.7	308.5	334.4	338.6	348.2	324.6	299.6	229.4	217.2	288.5	348.2
	2018	293.8	271.6	237.6	275.7	314.3	340.6	344.9	354.7	330.7	305.2	233.4	221.0	293.8	354.7
	2019	299.0	276.4	241.8	280.6	319.8	346.6	350.9	360.9	336.4	310.5	237.9	225.3	299.0	360.9
	2020	304.7	281.7	246.4	286.0	325.9	353.2	357.7	367.8	342.9	316.5	241.7	228.9	304.7	367.8
	2021	309.6	286.2	250.4	290.6	331.2	358.9	363.4	373.8	348.4	321.6	246.2	233.2	309.6	373.8
	2022	315.4	291.5	255.0	296.0	337.3	365.6	370.2	380.7	354.9	327.6	250.9	237.6	315.4	380.7
	2023	321.3	297.0	259.9	301.5	343.7	372.5	377.2	387.9	361.6	333.7	255.9	242.3	321.3	387.9
	2024	327.7	302.9	265.0	307.6	350.5	379.9	384.7	395.6	368.8	340.4	260.1	246.3	327.7	395.6
	2025	333.2	308.0	269.4	312.7	356.3	386.2	391.1	402.2	374.9	346.0	264.8	250.8	333.2	402.2
Projected	2026	339.2	313.6	274.3	318.3	362.8	393.2	398.2	409.5	381.7	352.3	269.6	255.3	339.2	409.5
	2027	345.4	319.3	279.3	324.1	369.4	400.3	405.4	416.9	388.7	358.7	275.0	260.4	345.4	416.9
	2028	352.2	325.6	284.8	330.5	376.7	408.3	413.4	425.2	396.3	365.8	279.0	264.1	352.2	425.2
	2029	357.3	330.3	288.9	335.3	382.1	414.1	419.4	431.3	402.1	371.1	283.3	268.3	357.3	431.3
	2030	362.9	335.4	293.5	340.5	388.1	420.6	426.0	438.1	408.4	376.9	287.7	272.4	362.9	438.1
	2031	368.5	340.6	298.0	345.8	394.1	427.2	432.6	444.8	414.7	382.7	292.5	277.0	368.5	444.8
	2032	374.6	346.3	303.0	351.5	400.7	434.2	439.7	452.2	421.6	389.1	296.2	280.5	374.6	452.2
	2033	379.3	350.6	306.8	356.0	405.7	439.7	445.3	457.9	426.9	394.0	300.3	284.4	379.3	457.9
	2034	384.6	355.5	311.0	360.9	411.4	445.8	451.5	464.3	432.8	399.5	304.5	288.4	384.6	464.3
Projected	2035	390.1	360.6	315.4	366.0	417.2	452.1	457.9	470.9	438.9	405.1	309.4	293.0	390.1	470.9
	2036	396.3	366.3	320.5	371.9	423.8	459.3	465.2	478.4	445.9	411.6	313.3	296.7	396.3	478.4

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	58.3%	56.5%	66.0%	66.7%	52.7%
Projected	2016	59.8%	58.2%	58.2%	53.6%	66.4%	61.4%	68.7%	63.0%	64.8%	57.6%	63.3%	74.4%	63.8%	50.8%
	2017	54.8%	57.0%	63.8%	56.3%	66.1%	59.9%	67.2%	63.9%	62.5%	59.2%	63.2%	74.1%	61.8%	51.2%
	2018	54.7%	56.9%	63.7%	56.3%	66.1%	60.0%	67.3%	64.0%	62.6%	59.2%	63.2%	74.1%	61.8%	51.2%
	2019	54.7%	56.9%	63.7%	56.3%	66.1%	60.0%	67.3%	64.1%	62.6%	59.2%	63.1%	74.0%	61.8%	51.2%
	2020	54.6%	56.2%	63.6%	56.1%	66.0%	59.9%	67.2%	64.0%	62.5%	59.1%	63.2%	74.0%	61.8%	51.2%
	2021	54.7%	56.9%	63.6%	56.2%	66.1%	60.0%	67.3%	64.1%	62.7%	59.2%	63.1%	74.0%	61.8%	51.2%
	2022	54.7%	56.9%	63.6%	56.2%	66.0%	60.0%	67.3%	64.2%	62.7%	59.2%	63.1%	74.0%	61.8%	51.2%
	2023	54.7%	56.9%	63.6%	56.2%	66.0%	60.0%	67.3%	64.2%	62.7%	59.2%	63.0%	73.9%	61.8%	51.2%
	2024	54.6%	56.2%	63.5%	56.1%	65.9%	59.9%	67.2%	64.1%	62.6%	59.1%	63.1%	73.9%	61.8%	51.2%
Projected	2025	54.7%	56.9%	63.6%	56.1%	66.0%	60.0%	67.3%	64.3%	62.7%	59.2%	63.1%	73.9%	61.8%	51.2%
	2026	54.7%	56.9%	63.5%	56.1%	66.0%	60.0%	67.3%	64.3%	62.7%	59.3%	63.0%	73.9%	61.8%	51.2%
Avg.	2007-2016	57.9%	59.5%	61.9%	57.6%	67.6%	60.9%	67.2%	64.2%	63.6%	58.9%	59.5%	68.5%	61.8%	51.2%
	2017-2026	54.7%	56.8%	63.6%	56.2%	66.0%	60.0%	67.3%	64.1%	62.6%	59.2%	63.1%	74.0%	61.8%	51.2%

FMPA 2017 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	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	289.7	275.8	239.9	264.5	330.5
	2016	242.4	250.9	247.9	288.3	302.1	343.0	353.7	348.8	308.8	300.8	205.2	202.7	250.9	353.7
Projected	2017	275.9	263.6	222.0	264.6	301.6	333.2	330.3	346.2	313.9	296.1	209.0	206.5	275.9	346.2
	2018	281.0	268.5	226.1	269.5	307.2	339.3	336.5	352.6	319.7	301.6	212.7	210.1	281.0	352.6
	2019	285.9	273.2	230.1	274.2	312.5	345.3	342.3	358.8	325.3	306.9	216.8	214.1	285.9	358.8
	2020	291.4	278.4	234.5	279.4	318.5	351.9	348.9	365.7	331.6	312.8	220.3	217.6	291.4	365.7
	2021	296.1	282.9	238.2	283.9	323.7	357.6	354.5	371.5	336.9	317.8	224.4	221.6	296.1	371.5
	2022	301.6	288.2	242.7	289.2	329.7	364.2	361.1	378.5	343.1	323.7	228.6	225.8	301.6	378.5
	2023	307.3	293.6	247.2	294.7	335.9	371.1	367.9	385.6	349.6	329.8	233.1	230.3	307.3	385.6
	2024	313.4	299.5	252.2	300.5	342.6	378.5	375.3	393.3	356.6	336.4	237.0	234.1	313.4	393.3
	2025	318.6	304.4	256.4	305.5	348.3	384.8	381.5	399.8	362.5	342.0	241.3	238.4	318.6	399.8
	2026	324.4	309.9	261.0	311.1	354.6	391.7	388.4	407.0	369.1	348.2	245.7	242.7	324.4	407.0
Projected	2027	330.3	315.6	265.7	316.7	361.0	398.9	395.5	414.4	375.8	354.5	250.6	247.5	330.3	414.4
	2028	336.8	321.8	271.0	323.0	368.2	406.7	403.3	422.6	383.2	361.5	254.2	251.1	336.8	422.6
	2029	341.7	326.5	274.9	327.7	373.5	412.6	409.1	428.7	388.7	366.7	258.2	255.0	341.7	428.7
	2030	347.0	331.6	279.2	332.8	379.4	419.1	415.5	435.5	394.8	372.5	262.2	258.9	347.0	435.5
	2031	352.4	336.7	283.6	337.9	385.2	425.6	422.0	442.2	401.0	378.3	266.5	263.2	352.4	442.2
	2032	358.2	342.3	288.3	343.5	391.6	432.6	429.0	449.5	407.6	384.5	269.9	266.6	358.2	449.5
	2033	362.7	346.6	291.9	347.9	396.6	438.1	434.4	455.2	412.7	389.4	273.6	270.3	362.7	455.2
	2034	367.8	351.4	296.0	352.7	402.1	444.2	440.4	461.6	418.5	394.8	277.5	274.1	367.8	461.6
	2035	373.0	356.4	300.1	357.7	407.8	450.5	446.6	468.1	424.4	400.4	281.9	278.5	373.0	468.1
	2036	378.9	362.1	304.9	363.4	414.3	457.6	453.8	475.5	431.2	406.8	285.5	282.0	378.9	475.5

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.5%	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%	98.8%	97.9%	98.8%	100.0%	98.7%
	2016	99.3%	100.0%	94.8%	98.6%	97.6%	100.0%	100.0%	100.0%	95.2%	98.8%	91.1%	95.0%	89.1%	100.0%
Projected	2017	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2018	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2019	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2020	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2021	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2022	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2023	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2024	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2025	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2026	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%
	2007-2016	97.8%	99.0%	96.8%	95.9%	98.5%	98.9%	97.5%	98.4%	96.6%	98.7%	95.0%	96.6%	98.4%	98.6%
	2017-2026	95.6%	98.8%	95.1%	97.7%	97.7%	99.6%	97.6%	99.4%	96.7%	98.8%	91.1%	95.0%	95.6%	99.4%

FMPA 2017 Load Forecast - Base Case - KUA

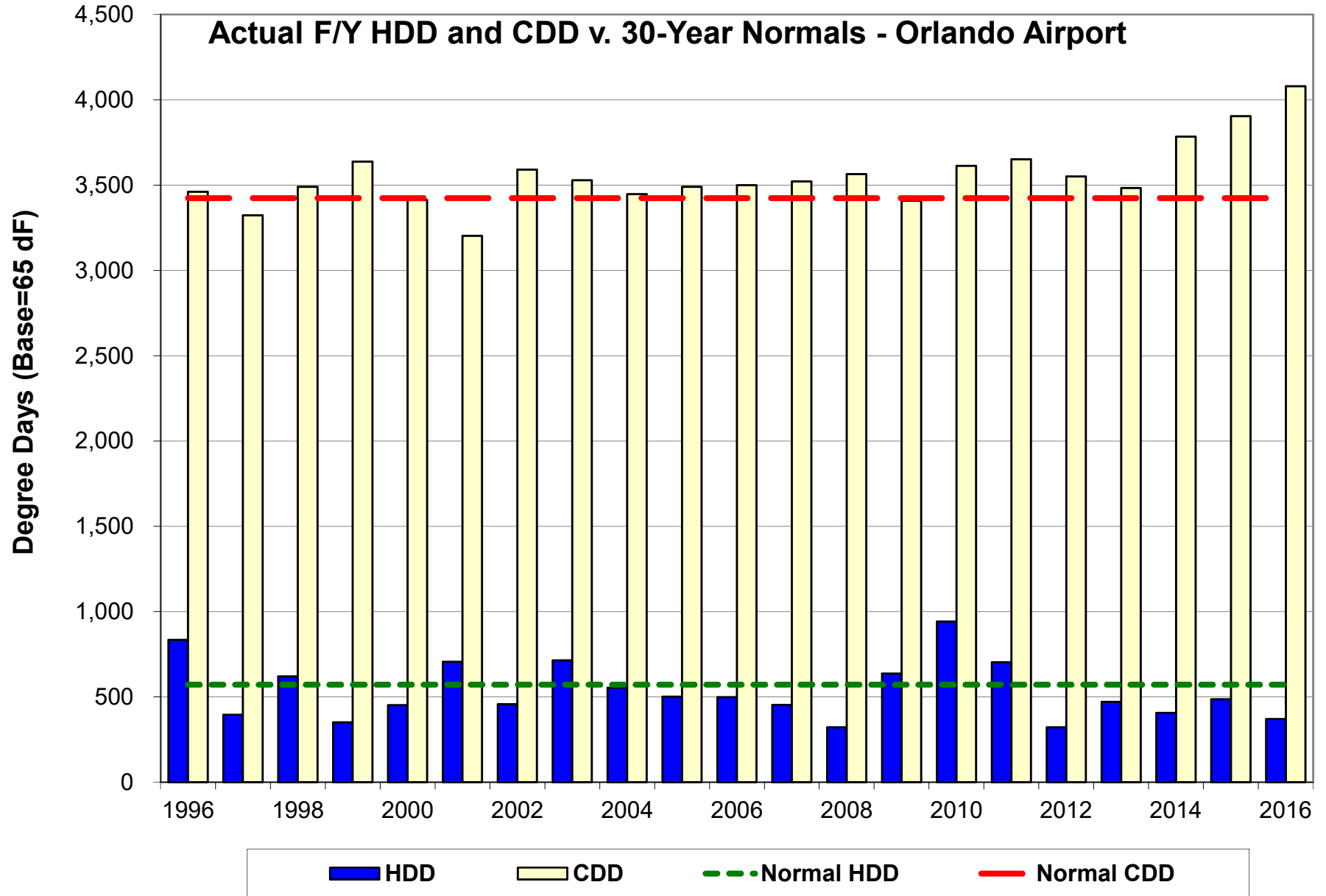
Historical and Projected - Energy Sales by Customer Class  
(Fiscal Year 2007-2036)

	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	2007	717,320		51,782		13,853		175,811		7,787		22.6		452,101		802		564		13,108		2,731		1,361,071		92,431	1,453,502	
	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%
	2016	833,290	6.0%	60,178	3.2%	13,847	2.7%	189,100	6.0%	8,885	1.6%	21.3	4.3%	473,045	3.3%	843	1.1%	561	2.2%	17,675	3.1%	3,448	-0.1%	1,516,558	5.1%	68,935	1,585,494	5.1%
Projected	2017	835,278	0.2%	61,850	2.8%	13,505	-2.5%	177,648	-6.1%	8,969	0.9%	19.8	-6.9%	464,141	-1.9%	874	3.7%	531	-5.4%	17,860	1.0%	3,513	1.9%	1,498,439	-1.2%	58,081	1,556,519	-1.8%
	2018	850,937	1.9%	63,155	2.1%	13,474	-0.2%	178,036	0.2%	9,060	1.0%	19.6	-0.8%	469,293	1.1%	890	1.8%	528	-0.7%	18,047	1.0%	3,628	3.3%	1,519,940	1.4%	63,753	1,583,693	1.7%
	2019	869,380	2.2%	64,443	2.0%	13,491	0.1%	179,380	0.8%	9,160	1.1%	19.6	-0.3%	476,450	1.5%	904	1.6%	527	-0.1%	18,234	1.0%	3,685	1.6%	1,547,128	1.8%	64,849	1,611,977	1.8%
	2020	887,731	2.1%	65,758	2.0%	13,500	0.1%	180,709	0.7%	9,263	1.1%	19.5	-0.4%	483,581	1.5%	918	1.5%	527	0.0%	18,421	1.0%	3,741	1.5%	1,574,182	1.7%	66,694	1,642,877	1.9%
	2021	906,701	2.1%	67,068	2.0%	13,519	0.1%	182,048	0.7%	9,368	1.1%	19.4	-0.4%	490,816	1.5%	932	1.5%	527	0.0%	18,608	1.0%	3,798	1.5%	1,601,970	1.8%	67,134	1,669,105	1.6%
	2022	927,211	2.3%	68,373	1.9%	13,561	0.3%	183,409	0.7%	9,472	1.1%	19.4	-0.4%	498,221	1.5%	946	1.6%	527	0.0%	18,794	1.0%	3,854	1.5%	1,631,490	1.8%	68,372	1,699,862	1.8%
	2023	948,729	2.3%	69,686	1.9%	13,614	0.4%	184,799	0.8%	9,577	1.1%	19.3	-0.4%	505,851	1.5%	961	1.6%	526	0.0%	18,981	1.0%	3,912	1.5%	1,662,273	1.9%	69,655	1,731,928	1.9%
	2024	970,126	2.3%	71,008	1.9%	13,662	0.4%	186,174	0.7%	9,683	1.1%	19.2	-0.4%	513,452	1.5%	976	1.5%	526	0.0%	19,168	1.0%	3,969	1.5%	1,692,890	1.8%	73,836	1,766,726	2.0%
	2025	992,006	2.3%	72,296	1.8%	13,721	0.4%	187,512	0.7%	9,788	1.1%	19.2	-0.4%	520,902	1.5%	990	1.5%	526	0.0%	19,355	1.0%	4,026	1.4%	1,723,801	1.8%	72,205	1,796,005	1.7%
	2026	1,014,160	2.2%	73,592	1.8%	13,781	0.4%	188,856	0.7%	9,893	1.1%	19.1	-0.3%	528,439	1.4%	1,005	1.5%	526	0.0%	19,542	1.0%	4,084	1.4%	1,755,081	1.8%	73,500	1,828,581	1.8%
	2027	1,036,898	2.2%	74,910	1.8%	13,842	0.4%	190,184	0.7%	9,997	1.1%	19.0	-0.3%	535,947	1.4%	1,020	1.5%	525	0.0%	19,729	1.0%	4,141	1.4%	1,786,899	1.8%	74,818	1,861,717	1.8%
	2028	1,060,802	2.3%	76,223	1.8%	13,917	0.5%	191,468	0.7%	10,099	1.0%	19.0	-0.3%	543,252	1.4%	1,034	1.4%	525	0.0%	19,916	0.9%	4,197	1.4%	1,819,635	1.8%	79,325	1,898,960	2.0%
	2029	1,082,083	2.0%	77,530	1.7%	13,957	0.3%	192,728	0.7%	10,199	1.0%	18.9	-0.3%	550,470	1.3%	1,048	1.4%	525	0.0%	20,103	0.9%	4,252	1.3%	1,849,636	1.6%	77,396	1,927,032	1.5%
	2030	1,102,491	1.9%	78,819	1.7%	13,988	0.2%	193,976	0.6%	10,298	1.0%	18.8	-0.3%	557,666	1.3%	1,062	1.3%	525	0.0%	20,290	0.9%	4,306	1.3%	1,878,730	1.6%	78,604	1,957,334	1.6%
	2031	1,123,062	1.9%	80,087	1.6%	14,023	0.3%	195,212	0.6%	10,395	0.9%	18.8	-0.3%	564,839	1.3%	1,077	1.3%	525	0.0%	20,477	0.9%	4,359	1.2%	1,907,949	1.6%	79,816	1,987,765	1.6%
	2032	1,143,232	1.8%	81,364	1.6%	14,051	0.2%	196,428	0.6%	10,487	0.9%	18.7	-0.3%	571,941	1.3%	1,090	1.3%	525	0.0%	20,664	0.9%	4,410	1.2%	1,936,675	1.5%	84,344	2,021,019	1.7%
	2033	1,162,420	1.7%	82,610	1.5%	14,071	0.1%	197,661	0.6%	10,577	0.9%	18.7	-0.2%	579,187	1.3%	1,105	1.3%	524	0.0%	20,851	0.9%	4,460	1.1%	1,964,579	1.4%	82,153	2,046,732	1.3%
	2034	1,181,316	1.6%	83,863	1.5%	14,086	0.1%	198,865	0.6%	10,666	0.8%	18.6	-0.2%	586,306	1.2%	1,119	1.3%	524	0.0%	21,038	0.9%	4,511	1.1%	1,992,036	1.4%	83,289	2,075,325	1.4%
	2035	1,200,936	1.7%	85,151	1.5%	14,104	0.1%	200,040	0.6%	10,757	0.8%	18.6	-0.3%	593,299	1.2%	1,132	1.2%	524	0.0%	21,225	0.9%	4,562	1.1%	2,020,062	1.4%	84,456	2,104,519	1.4%
	2036	1,221,175	1.7%	86,463	1.5%	14,124	0.1%	201,233	0.6%	10,849	0.9%	18.5	-0.3%	600,436	1.2%	1,146	1.2%	524	0.0%	21,412	0.9%	4,614	1.1%	2,048,871	1.4%	89,191	2,138,062	1.6%
CAGR	2007-2016		1.7%		1.7%		0.0%		0.8%		1.5%		-0.7%		0.5%		0.6%		0.0%		3.4%		2.6%		1.2%			1.0%
	2017-2026		2.2%		2.0%		0.2%		0.7%		1.1%		-0.4%		1.5%		1.6%		-0.1%		1.0%		1.7%		1.8%			1.8%
	2027-2036		1.8%		1.6%		0.2%		0.6%		0.9%		-0.3%		1.3%		1.3%		0.0%		0.9%		1.2%		1.5%			1.5%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	146.7	-	51.7	-	54.6	-	1.39	-	3,940	-	3,185	-	61,609	-
1997	153.7	4.8%	54.2	4.8%	56.8	4.0%	1.51	8.5%	4,144	5.2%	3,411	7.1%	62,984	2.2%
1998	160.5	4.5%	56.6	4.4%	59.2	4.2%	1.58	5.2%	4,380	5.7%	3,726	9.2%	65,879	4.6%
1999	167.7	4.5%	59.0	4.3%	61.3	3.5%	1.68	6.0%	4,681	6.9%	4,013	7.7%	68,021	3.3%
2000	174.9	4.3%	61.6	4.5%	63.9	4.3%	1.60	-4.9%	4,951	5.8%	4,265	6.3%	69,209	1.7%
2001	182.3	4.3%	64.8	5.2%	69.6	8.8%	1.59	-0.5%	5,144	3.9%	4,577	7.3%	70,603	2.0%
2002	191.5	5.1%	68.5	5.7%	72.7	4.5%	1.73	8.9%	5,555	8.0%	4,719	3.1%	68,847	-2.5%
2003	203.7	6.4%	72.9	6.4%	76.1	4.6%	1.63	-6.1%	5,989	7.8%	5,051	7.0%	69,273	0.6%
2004	217.7	6.9%	77.7	6.5%	81.7	7.4%	1.63	0.4%	6,625	10.6%	5,476	8.4%	70,517	1.8%
2005	228.9	5.1%	81.2	4.6%	88.7	8.5%	1.71	4.7%	7,402	11.7%	6,036	10.2%	74,319	5.4%
2006	242.4	5.9%	85.2	4.9%	91.6	3.2%	1.69	-1.0%	7,773	5.0%	6,366	5.5%	74,730	0.6%
2007	254.1	4.8%	88.1	3.5%	93.7	2.3%	1.89	11.5%	8,226	5.8%	6,661	4.6%	75,560	1.1%
2008	262.1	3.1%	89.7	1.8%	96.3	2.8%	1.61	-14.4%	7,903	-3.9%	6,849	2.8%	76,343	1.0%
2009	265.8	1.4%	89.7	-0.1%	91.9	-4.6%	1.48	-8.6%	7,509	-5.0%	6,751	-1.4%	75,295	-1.4%
2010	270.5	1.8%	91.1	1.6%	93.2	1.4%	1.31	-11.2%	7,750	3.2%	7,056	4.5%	77,429	2.8%
2011	279.8	3.4%	94.3	3.4%	97.5	4.6%	1.13	-13.4%	7,787	0.5%	7,244	2.7%	76,859	-0.7%
2012	290.1	3.7%	97.0	2.9%	100.1	2.6%	1.21	6.4%	7,874	1.1%	7,389	2.0%	76,194	-0.9%
2013	301.1	3.8%	99.3	2.4%	103.6	3.5%	1.24	2.8%	8,103	2.9%	7,642	3.4%	76,980	1.0%
2014	313.0	4.0%	103.0	3.8%	109.2	5.4%	1.30	5.0%	8,559	5.6%	8,108	6.1%	78,717	2.3%
2015	325.0	3.8%	106.8	3.7%	114.2	4.6%	1.28	-1.9%	8,971	4.8%	8,605	6.1%	80,582	2.4%
2016	333.9	2.7%	109.8	2.8%	118.0	3.3%	1.35	6.1%	9,446	5.3%	8,976	4.3%	81,741	1.4%
2017	343.0	2.7%	112.8	2.7%	121.6	3.1%	1.38	2.2%	9,925	5.1%	9,366	4.3%	83,067	1.6%
2018	352.3	2.7%	115.7	2.6%	125.1	2.9%	1.41	1.9%	10,414	4.9%	9,775	4.4%	84,483	1.7%
2019	361.7	2.7%	118.7	2.6%	128.6	2.8%	1.44	2.4%	10,868	4.4%	10,204	4.4%	85,976	1.8%
2020	371.4	2.7%	121.7	2.5%	132.2	2.8%	1.48	2.8%	11,337	4.3%	10,654	4.4%	87,550	1.8%
2021	381.3	2.7%	124.7	2.5%	135.9	2.8%	1.52	2.6%	11,801	4.1%	11,105	4.2%	89,038	1.7%
2022	391.4	2.7%	127.7	2.4%	139.8	2.9%	1.56	2.5%	12,369	4.8%	11,586	4.3%	90,704	1.9%
2023	401.9	2.7%	130.8	2.4%	143.8	2.8%	1.59	2.1%	12,956	4.8%	12,080	4.3%	92,382	1.9%
2024	412.6	2.7%	133.8	2.3%	147.7	2.7%	1.63	2.1%	13,520	4.4%	12,580	4.1%	94,027	1.8%
2025	423.6	2.7%	136.8	2.3%	151.7	2.7%	1.66	1.9%	14,086	4.2%	13,097	4.1%	95,713	1.8%
2026	434.9	2.7%	139.9	2.3%	155.8	2.7%	1.69	2.1%	14,686	4.3%	13,629	4.1%	97,402	1.8%
2027	446.1	2.6%	143.0	2.2%	159.8	2.6%	1.72	1.6%	15,258	3.9%	14,162	3.9%	99,064	1.7%
2028	457.5	2.5%	146.1	2.2%	163.8	2.5%	1.74	1.0%	15,843	3.8%	14,701	3.8%	100,642	1.6%
2029	468.9	2.5%	149.2	2.1%	167.8	2.5%	1.75	0.9%	16,431	3.7%	15,246	3.7%	102,216	1.6%
2030	480.3	2.4%	152.2	2.0%	171.9	2.4%	1.77	0.9%	16,999	3.5%	15,797	3.6%	103,789	1.5%
2031	491.8	2.4%	155.3	2.0%	175.9	2.4%	1.78	0.6%	17,575	3.4%	16,322	3.3%	105,155	1.3%
2032	503.5	2.4%	158.3	2.0%	180.1	2.4%	1.78	0.3%	18,149	3.3%	16,860	3.3%	106,541	1.3%
2033	515.2	2.3%	161.3	1.9%	184.3	2.3%	1.79	0.4%	18,728	3.2%	17,408	3.3%	107,924	1.3%
2034	527.2	2.3%	164.4	1.9%	188.4	2.2%	1.80	0.5%	19,340	3.3%	17,975	3.3%	109,347	1.3%
2035	539.4	2.3%	167.6	1.9%	192.6	2.2%	1.81	0.5%	19,982	3.3%	18,568	3.3%	110,850	1.4%
2036	551.7	2.3%	170.8	1.9%	197.0	2.3%	1.82	0.6%	20,666	3.4%	19,172	3.3%	112,283	1.3%
<b>Average Percent Change</b>														
<b>2006-2016</b>			3.3%	2.6%	2.6%	-2.2%	2.0%	3.5%	0.9%					
<b>2017-2026</b>			2.7%	2.4%	2.8%	2.3%	4.4%	4.3%	1.8%					
<b>2027-2036</b>			2.4%	2.0%	2.4%	0.7%	3.5%	3.5%	1.4%					





Leesburg

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FMPA 2017 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)				
		Year	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
Historical	2007	530,188	-	530,980	-	0.1%	93.7	-	108.4	-	15.7%	116.4	-	115.8		-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%
	2016	492,572	2.9%	474,010	1.8%	-3.8%	90.9	-9.2%	97.4	-12.8%	7.1%	110.9	5.0%	106.5	-0.6%	-4.0%
Projected	2017	488,911	-0.7%	488,911	3.1%		96.6	6.3%	96.6	-0.8%		105.2	-5.2%	105.2	-1.3%	
	2018			499,005	2.1%				98.7	2.2%				107.4	2.2%	
	2019			507,726	1.7%				100.1	1.5%				109.0	1.5%	
	2020			514,063	1.2%				101.4	1.3%				110.4	1.3%	
	2021			518,304	0.8%				102.2	0.8%				111.3	0.8%	
	2022			523,608	1.0%				103.3	1.0%				112.4	1.0%	
	2023			528,862	1.0%				104.3	1.0%				113.5	1.0%	
	2024			535,259	1.2%				105.5	1.2%				114.9	1.2%	
	2025			538,960	0.7%				106.3	0.7%				115.7	0.7%	
	2026			543,830	0.9%				107.2	0.9%				116.7	0.9%	
	2027			548,688	0.9%				108.2	0.9%				117.8	0.9%	
	2028			554,708	1.1%				109.4	1.1%				119.0	1.1%	
	2029			558,041	0.6%				110.0	0.6%				119.8	0.6%	
	2030			562,584	0.8%				110.9	0.8%				120.7	0.8%	
	2031			566,887	0.8%				111.7	0.7%				121.6	0.7%	
	2032			572,240	0.9%				112.8	0.9%				122.8	0.9%	
	2033			574,830	0.5%				113.3	0.4%				123.3	0.4%	
	2034			578,708	0.7%				114.0	0.7%				124.1	0.7%	
	2035			582,621	0.7%				114.8	0.7%				125.0	0.7%	
2036			588,018	0.9%				115.9	0.9%				126.1	0.9%		
CAGR <sup>[3]</sup>	2007-2016		-0.8%		-1.3%			-0.3%		-1.2%			-0.5%		-0.9%	
	2017-2026				1.2%					1.2%					1.2%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Leesburg**  
**2017 v. 2016 (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	2007	530,188	-	530,188	-	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%	478,866	2.8%	100.1	107.1	100.1	107.1	100.1	105.6	100.1	105.6
	2016	492,572	2.9%	470,214	-1.8%	91.8	110.9	96.8	102.6	90.9	110.9	96.4	100.1
Projected	2017	488,911	-0.7%	475,482	1.1%	99.8	107.4	98.0	103.9	96.6	105.2	97.6	101.4
	2018	499,005	2.1%	482,633	1.5%	102.0	109.8	99.5	105.6	98.7	107.4	99.1	103.0
	2019	507,726	1.7%	491,165	1.8%	103.4	111.4	101.3	107.4	100.1	109.0	100.8	104.8
	2020	514,063	1.2%	499,431	1.7%	104.7	112.8	102.9	109.1	101.4	110.4	102.4	106.4
	2021	518,304	0.8%	504,359	1.0%	105.6	113.7	103.9	110.2	102.2	111.3	103.4	107.5
	2022	523,608	1.0%	510,352	1.2%	106.7	114.9	105.1	111.5	103.3	112.4	104.7	108.7
	2023	528,862	1.0%	516,327	1.2%	107.7	116.0	106.3	112.8	104.3	113.5	105.9	110.0
	2024	535,259	1.2%	523,473	1.4%	109.0	117.4	107.8	114.3	105.5	114.9	107.3	111.5
	2025	538,960	0.7%	528,181	0.9%	109.8	118.2	108.8	115.4	106.3	115.7	108.3	112.5
	2026	543,830	0.9%	534,153	1.1%	110.8	119.3	110.0	116.7	107.2	116.7	109.5	113.8
	2027	548,688	0.9%	540,211	1.1%	111.8	120.3	111.2	118.0	108.2	117.8	110.8	115.1
	2028	554,708	1.1%	547,438	1.3%	113.0	121.6	112.7	119.6	109.4	119.0	112.2	116.6
	2029	558,041	0.6%	551,886	0.8%	113.6	122.4	113.6	120.5	110.0	119.8	113.1	117.5
	2030	562,584	0.8%	557,435	1.0%	114.6	123.4	114.7	121.7	110.9	120.7	114.3	118.7
	2031	566,887	0.8%	562,760	1.0%	115.4	124.3	115.8	122.9	111.7	121.6	115.3	119.8
	2032	572,240	0.9%	569,127	1.1%	116.5	125.4	117.1	124.2	112.8	122.8	116.6	121.2
	2033	574,830	0.5%	572,796	0.6%	117.0	126.0	117.9	125.0	113.3	123.3	117.4	122.0
	2034	578,708	0.7%	577,744	0.9%	117.8	126.9	118.9	126.1	114.0	124.1	118.4	123.0
	2035	582,621	0.7%	582,735	0.9%	118.6	127.7	119.9	127.2	114.8	125.0	119.4	124.1
	2036	588,018	0.9%			119.7	128.9			115.9	126.1		
CAGR <sup>[1]</sup>	Historical		-0.8%		-1.3%	-0.4%	-0.6%	0.6%	-1.1%	-1.6%	0.2%	-0.4%	-0.5%
	1st 10 Prj Yrs		1.2%		1.3%	1.2%	1.2%	1.3%	1.3%	1.2%	1.2%	1.3%	1.3%
	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 2017 Load Forecast - Base Case**

**Leesburg**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	37,790	35,586	35,183	482,179	478,866
	2016	37,442	33,370	34,333	35,885	42,778	48,801	53,660	51,238	46,504	39,576	33,692	36,914	494,194	492,572
Projected	2017	39,733	33,367	34,687	36,251	43,618	46,863	48,799	50,329	45,082	40,207	34,277	37,708	490,921	488,911
	2018	40,576	34,055	35,365	36,942	44,450	47,800	49,872	51,527	46,226	41,193	35,070	38,538	501,613	499,005
	2019	41,466	34,745	36,019	37,575	45,164	48,527	50,563	52,155	46,713	41,624	35,437	38,934	508,921	507,726
	2020	41,876	36,291	36,379	37,951	45,614	49,000	51,060	52,687	47,209	42,070	35,821	39,355	515,313	514,063
	2021	42,319	35,463	36,769	38,360	46,102	49,518	51,595	53,235	47,699	42,506	36,194	39,762	519,521	518,304
	2022	42,748	35,824	37,147	38,757	46,580	50,024	52,116	53,770	48,179	42,937	36,564	40,168	524,815	523,608
	2023	43,174	36,182	37,523	39,152	47,052	50,525	52,631	54,299	48,654	43,362	36,930	40,568	530,053	528,862
	2024	43,593	37,786	37,893	39,539	47,515	51,014	53,133	54,813	49,114	43,772	37,282	40,952	536,406	535,259
	2025	43,995	36,873	38,247	39,911	47,960	51,484	53,616	55,309	49,558	44,170	37,625	41,327	540,075	538,960
	2026	44,387	37,204	38,596	40,278	48,401	51,949	54,094	55,800	50,000	44,567	37,968	41,703	544,947	543,830
Projected	2027	44,779	37,535	38,944	40,644	48,840	52,412	54,570	56,288	50,437	44,959	38,306	42,072	549,787	548,688
	2028	45,163	39,154	39,284	41,000	49,265	52,860	55,028	56,758	50,859	45,337	38,632	42,428	555,768	554,708
	2029	45,535	38,173	39,616	41,351	49,685	53,302	55,482	57,224	51,277	45,712	38,955	42,782	559,094	558,041
	2030	45,904	38,484	39,942	41,693	50,094	53,733	55,925	57,677	51,683	46,075	39,267	43,123	563,600	562,584
	2031	46,257	38,780	40,253	42,017	50,480	54,138	56,338	58,098	52,059	46,410	39,553	43,433	567,818	566,887
	2032	46,581	40,391	40,540	42,320	50,842	54,520	56,730	58,500	52,420	46,733	39,833	43,739	573,149	572,240
	2033	46,899	39,322	40,822	42,616	51,197	54,893	57,113	58,892	52,771	47,049	40,106	44,037	575,717	574,830
	2034	47,210	39,585	41,101	42,909	51,548	55,264	57,493	59,283	53,123	47,365	40,380	44,337	579,598	578,708
	2035	47,522	39,849	41,381	43,206	51,904	55,639	57,878	59,679	53,480	47,687	40,659	44,643	583,529	582,621
	2036	47,841	41,494	41,669	43,511	52,271	56,027	58,277	60,090	53,850	48,020	40,948	44,960	588,956	588,018

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.1%	7.6%	7.9%	9.0%	9.7%	9.5%	9.9%	8.9%	7.8%	7.4%	7.3%	100.0%
	2016	7.6%	6.8%	6.9%	7.3%	8.7%	9.9%	10.9%	10.4%	9.4%	8.0%	6.8%	7.5%	100.0%
Projected	2017	8.1%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	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%	10.3%	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%	7.6%	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%	7.6%	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%
	2026	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.	2007-2016	8.0%	7.0%	7.2%	7.6%	8.9%	9.5%	10.0%	10.2%	9.3%	8.0%	6.8%	7.6%	100.0%
	2017-2026	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 2017 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	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	87.8	85.4	70.6	100.1	107.1
	2016	91.8	90.9	76.4	89.1	94.1	105.4	110.9	107.0	101.5	94.5	67.1	73.7	91.8	110.9
Projected	2017	99.8	92.4	80.3	83.1	95.9	104.4	102.1	107.4	100.1	91.5	68.6	75.3	99.8	107.4
	2018	102.0	94.4	82.1	84.9	98.0	106.7	104.3	109.8	102.3	93.5	69.6	76.4	102.0	109.8
	2019	103.4	95.8	83.3	86.2	99.4	108.3	105.9	111.4	103.8	94.9	70.5	77.3	103.4	111.4
	2020	104.7	97.0	84.3	87.3	100.7	109.6	107.2	112.8	105.1	96.1	71.0	77.9	104.7	112.8
	2021	105.6	97.8	85.0	88.0	101.5	110.5	108.1	113.7	106.0	96.8	71.8	78.7	105.6	113.7
	2022	106.7	98.8	85.9	88.9	102.5	111.7	109.2	114.9	107.0	97.8	72.5	79.5	106.7	114.9
	2023	107.7	99.8	86.7	89.8	103.6	112.8	110.3	116.0	108.1	98.8	73.3	80.5	107.7	116.0
	2024	109.0	101.0	87.8	90.8	104.8	114.1	111.6	117.4	109.4	100.0	73.8	81.0	109.0	117.4
	2025	109.8	101.7	88.4	91.5	105.5	114.9	112.3	118.2	110.2	100.7	74.5	81.8	109.8	118.2
Projected	2026	110.8	102.6	89.2	92.3	106.5	115.9	113.4	119.3	111.1	101.6	75.2	82.5	110.8	119.3
	2027	111.8	103.5	90.0	93.1	107.4	117.0	114.4	120.3	112.1	102.5	76.0	83.4	111.8	120.3
	2028	113.0	104.6	90.9	94.1	108.6	118.2	115.6	121.6	113.4	103.6	76.4	83.9	113.0	121.6
	2029	113.6	105.2	91.5	94.7	109.2	118.9	116.3	122.4	114.0	104.2	77.1	84.6	113.6	122.4
	2030	114.6	106.1	92.2	95.4	110.1	119.9	117.2	123.4	115.0	105.1	77.6	85.2	114.6	123.4
	2031	115.4	106.9	92.9	96.2	110.9	120.8	118.1	124.3	115.8	105.8	78.4	86.0	115.4	124.3
	2032	116.5	107.9	93.8	97.1	112.0	121.9	119.2	125.4	116.9	106.8	78.7	86.4	116.5	125.4
	2033	117.0	108.4	94.2	97.5	112.5	122.5	119.8	126.0	117.4	107.3	79.2	87.0	117.0	126.0
	2034	117.8	109.1	94.8	98.2	113.2	123.3	120.6	126.9	118.2	108.0	79.8	87.6	117.8	126.9
Projected	2035	118.6	109.8	95.5	98.8	114.0	124.1	121.4	127.7	119.0	108.8	80.5	88.4	118.6	127.7
	2036	119.7	110.9	96.4	99.7	115.1	125.3	122.5	128.9	120.1	109.8	80.9	88.8	119.7	128.9

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	57.9%	56.0%	69.3%	55.0%	51.4%
Projected	2016	54.8%	52.7%	60.4%	54.2%	67.6%	62.2%	67.2%	64.4%	63.6%	56.3%	67.5%	69.6%	61.5%	50.9%
	2017	53.5%	53.7%	58.0%	58.6%	67.7%	60.3%	66.4%	63.0%	62.5%	59.1%	67.2%	69.6%	56.2%	52.2%
	2018	53.5%	53.7%	57.9%	58.5%	67.5%	60.2%	66.4%	63.1%	62.8%	59.2%	67.7%	70.1%	56.2%	52.2%
	2019	53.9%	54.0%	58.1%	58.6%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.6%	69.9%	56.2%	52.2%
	2020	53.7%	53.8%	58.0%	58.5%	67.4%	60.1%	66.2%	62.8%	62.4%	58.9%	67.8%	70.1%	56.2%	52.2%
	2021	53.9%	54.0%	58.1%	58.6%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.8%	70.1%	56.2%	52.2%
	2022	53.9%	54.0%	58.1%	58.6%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.8%	70.1%	56.2%	52.2%
	2023	53.9%	54.0%	58.2%	58.6%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.7%	70.0%	56.2%	52.2%
	2024	53.7%	53.8%	58.0%	58.5%	67.5%	60.1%	66.1%	62.8%	62.3%	58.8%	67.9%	70.2%	56.2%	52.2%
Projected	2025	53.9%	54.0%	58.2%	58.7%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.9%	70.2%	56.2%	52.2%
	2026	53.9%	54.0%	58.2%	58.7%	67.7%	60.2%	66.3%	62.9%	62.5%	59.0%	67.9%	70.2%	56.2%	52.2%
Avg.	2007-2016	56.2%	56.7%	63.1%	59.7%	69.6%	60.4%	66.1%	63.9%	63.4%	59.2%	63.3%	67.7%	57.2%	52.5%
	2017-2026	53.8%	53.9%	58.1%	58.6%	67.6%	60.2%	66.3%	62.9%	62.5%	59.0%	67.7%	70.1%	56.2%	52.2%

FMPA 2017 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	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	87.1	84.7	70.6	100.1	105.6
	2016	90.3	90.9	76.4	89.1	91.6	99.7	110.9	105.7	97.2	93.9	65.7	71.6	90.9	110.9
Projected	2017	96.6	90.6	74.8	82.2	93.3	99.7	100.2	105.2	98.2	91.0	67.2	73.2	96.6	105.2
	2018	98.7	92.6	76.4	84.0	95.4	101.8	102.3	107.4	100.3	93.0	68.1	74.2	98.7	107.4
	2019	100.1	93.9	77.6	85.2	96.7	103.3	103.8	109.0	101.8	94.3	69.0	75.2	100.1	109.0
	2020	101.4	95.1	78.5	86.3	98.0	104.6	105.1	110.4	103.1	95.5	69.6	75.8	101.4	110.4
	2021	102.2	95.9	79.2	87.0	98.8	105.5	106.0	111.3	103.9	96.3	70.3	76.6	102.2	111.3
	2022	103.3	96.9	80.0	87.9	99.8	106.5	107.1	112.4	105.0	97.3	71.0	77.3	103.3	112.4
	2023	104.3	97.8	80.8	88.8	100.8	107.6	108.1	113.5	106.0	98.2	71.8	78.3	104.3	113.5
	2024	105.5	99.0	81.7	89.8	102.0	108.9	109.4	114.9	107.3	99.4	72.3	78.8	105.5	114.9
	2025	106.3	99.7	82.3	90.5	102.7	109.6	110.2	115.7	108.0	100.1	73.0	79.5	106.3	115.7
Projected	2026	107.2	100.6	83.0	91.3	103.6	110.6	111.2	116.7	109.0	101.0	73.6	80.2	107.2	116.7
	2027	108.2	101.5	83.8	92.1	104.5	111.6	112.2	117.8	110.0	101.9	74.4	81.1	108.2	117.8
	2028	109.4	102.6	84.7	93.1	105.7	112.8	113.4	119.0	111.1	103.0	74.8	81.6	109.4	119.0
	2029	110.0	103.2	85.2	93.6	106.3	113.5	114.1	119.8	111.8	103.6	75.5	82.2	110.0	119.8
	2030	110.9	104.0	85.9	94.4	107.1	114.4	115.0	120.7	112.7	104.4	76.0	82.8	110.9	120.7
	2031	111.7	104.8	86.5	95.1	107.9	115.3	115.8	121.6	113.6	105.2	76.7	83.6	111.7	121.6
	2032	112.8	105.8	87.3	96.0	109.0	116.4	116.9	122.8	114.6	106.2	77.1	84.0	112.8	122.8
	2033	113.3	106.3	87.7	96.4	109.4	116.9	117.5	123.3	115.1	106.7	77.6	84.6	113.3	123.3
	2034	114.0	107.0	88.3	97.1	110.2	117.7	118.2	124.1	115.9	107.4	78.1	85.1	114.0	124.1
	2035	114.8	107.7	88.9	97.7	110.9	118.5	119.0	125.0	116.7	108.1	78.8	85.9	114.8	125.0
	2036	115.9	108.7	89.7	98.6	112.0	119.6	120.2	126.1	117.8	109.1	79.2	86.3	115.9	126.1

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.2%	99.2%	100.0%	100.0%	98.6%
Projected	2016	98.3%	100.0%	100.0%	100.0%	97.3%	94.6%	100.0%	98.8%	95.8%	99.4%	97.9%	97.2%	99.0%	100.0%
	2017	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2018	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2019	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2020	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2021	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2022	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2023	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2024	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2025	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
	2026	96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%
2007-2016		98.6%	99.4%	94.6%	97.2%	96.5%	94.7%	95.9%	96.5%	96.6%	97.7%	94.5%	96.5%	98.2%	95.4%
2017-2026		96.8%	98.1%	93.1%	98.9%	97.3%	95.4%	98.1%	97.9%	98.1%	99.4%	97.9%	97.2%	96.8%	97.9%

# FMPA 2017 Load Forecast - Base Case - Leesburg

## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

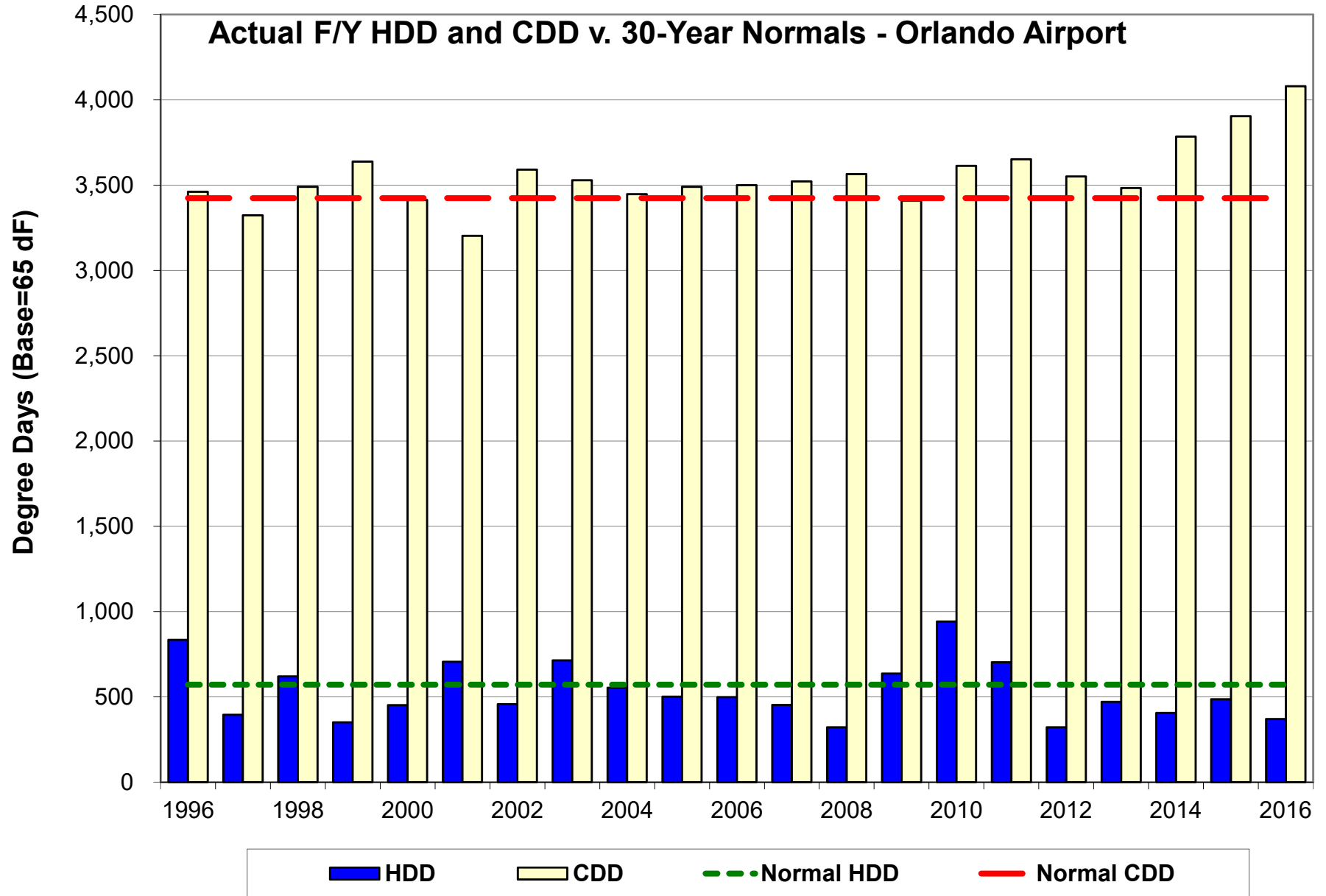
Fiscal Year		Residential						General Service						City		Lights		TOTAL SALES		DISTR.	TOTAL NEL	
		Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	Sales (MWh)	% Chg	Sales (MWh)	% Chg	(MWh)	% Chg	LOSSES (MWh)	(MWh)	% Chg
Historical	2007	220,486		17,841		12,358		265,367		3,095		85.7		14,827		7,804		508,484		21,704	530,188	
	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	-4.0%	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%
	2016	225,911	5.3%	19,168	2.0%	11,786	3.2%	224,942	1.9%	3,518	10.3%	63.9	-7.7%	15,123	-1.5%	7,951	4.5%	473,927	3.4%	18,645	492,572	2.9%
Projected	2017	221,304	-2.0%	19,841	3.5%	11,154	-5.4%	224,713	-0.1%	3,544	0.7%	63.4	-0.8%	16,039	6.1%	7,951	0.0%	470,007	-0.8%	18,904	488,911	-0.7%
	2018	228,460	3.2%	20,386	2.8%	11,207	0.5%	226,059	0.6%	3,569	0.7%	63.3	-0.1%	16,421	2.4%	7,951	0.0%	478,891	1.9%	20,114	499,005	2.1%
	2019	233,820	2.3%	20,727	1.7%	11,281	0.7%	228,875	1.2%	3,601	0.9%	63.6	0.3%	16,653	1.4%	7,951	0.0%	487,299	1.8%	20,427	507,726	1.7%
	2020	235,544	0.7%	20,890	0.8%	11,275	-0.1%	231,868	1.3%	3,634	0.9%	63.8	0.4%	16,871	1.3%	7,951	0.0%	492,234	1.0%	21,829	514,063	1.2%
	2021	237,561	0.9%	21,053	0.8%	11,284	0.1%	234,860	1.3%	3,668	0.9%	64.0	0.4%	17,085	1.3%	7,951	0.0%	497,456	1.1%	20,848	518,304	0.8%
	2022	239,512	0.8%	21,216	0.8%	11,289	0.0%	237,789	1.2%	3,700	0.9%	64.3	0.4%	17,295	1.2%	7,951	0.0%	502,547	1.0%	21,061	523,608	1.0%
	2023	241,357	0.8%	21,375	0.7%	11,292	0.0%	240,772	1.3%	3,733	0.9%	64.5	0.4%	17,508	1.2%	7,951	0.0%	507,589	1.0%	21,273	528,862	1.0%
	2024	243,176	0.8%	21,534	0.7%	11,293	0.0%	243,684	1.2%	3,766	0.9%	64.7	0.3%	17,717	1.2%	7,951	0.0%	512,528	1.0%	22,731	535,259	1.2%
	2025	244,876	0.7%	21,692	0.7%	11,289	0.0%	246,533	1.2%	3,797	0.8%	64.9	0.3%	17,921	1.2%	7,951	0.0%	517,281	0.9%	21,679	538,960	0.7%
	2026	246,487	0.7%	21,849	0.7%	11,282	-0.1%	249,391	1.2%	3,829	0.8%	65.1	0.3%	18,125	1.1%	7,951	0.0%	521,954	0.9%	21,876	543,830	0.9%
	2027	248,074	0.6%	22,005	0.7%	11,273	-0.1%	252,260	1.2%	3,861	0.8%	65.3	0.3%	18,330	1.1%	7,951	0.0%	526,615	0.9%	22,073	548,688	0.9%
	2028	249,594	0.6%	22,153	0.7%	11,267	-0.1%	255,072	1.1%	3,892	0.8%	65.5	0.3%	18,532	1.1%	7,951	0.0%	531,149	0.9%	23,559	554,708	1.1%
	2029	251,085	0.6%	22,289	0.6%	11,265	0.0%	257,827	1.1%	3,922	0.8%	65.7	0.3%	18,728	1.1%	7,951	0.0%	535,591	0.8%	22,450	558,041	0.6%
	2030	252,598	0.6%	22,423	0.6%	11,265	0.0%	260,483	1.0%	3,952	0.8%	65.9	0.3%	18,919	1.0%	7,951	0.0%	539,951	0.8%	22,633	562,584	0.8%
	2031	254,030	0.6%	22,551	0.6%	11,265	0.0%	263,000	1.0%	3,980	0.7%	66.1	0.2%	19,100	1.0%	7,951	0.0%	544,082	0.8%	22,805	566,887	0.8%
	2032	255,343	0.5%	22,676	0.6%	11,260	0.0%	265,373	0.9%	4,007	0.7%	66.2	0.2%	19,270	0.9%	7,951	0.0%	547,936	0.7%	24,304	572,240	0.9%
	2033	256,586	0.5%	22,803	0.6%	11,252	-0.1%	267,730	0.9%	4,034	0.7%	66.4	0.2%	19,438	0.9%	7,951	0.0%	551,705	0.7%	23,125	574,830	0.5%
	2034	257,787	0.5%	22,928	0.6%	11,243	-0.1%	270,081	0.9%	4,061	0.7%	66.5	0.2%	19,606	0.9%	7,951	0.0%	555,426	0.7%	23,282	578,708	0.7%
	2035	258,965	0.5%	23,053	0.5%	11,234	-0.1%	272,487	0.9%	4,088	0.7%	66.7	0.2%	19,777	0.9%	7,951	0.0%	559,180	0.7%	23,441	582,621	0.7%
	2036	260,190	0.5%	23,180	0.6%	11,225	-0.1%	274,947	0.9%	4,115	0.7%	66.8	0.2%	19,952	0.9%	7,951	0.0%	563,040	0.7%	24,979	588,018	0.9%
CAGR	2007-2016		0.3%		0.8%		-0.5%		-1.8%		1.4%		-3.2%		0.2%		0.2%		-0.8%			-0.8%
	2017-2026		1.2%		1.1%		0.1%		1.2%		0.9%		0.3%		1.4%		0.0%		1.2%			1.2%
	2027-2036		0.5%		0.6%		0.0%		1.0%		0.7%		0.2%		0.9%		0.0%		0.7%			0.8%

CAGR - Compound Average Growth Rate.



**FMPA 2017 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
1996	185.5	-	76.7	-	73.4	-	4.61	-	5,480	-	5,120	-	66,739	-
1997	192.6	3.8%	80.1	4.4%	77.6	5.8%	4.42	-4.0%	5,653	3.2%	5,446	6.4%	67,965	1.8%
1998	199.5	3.6%	83.4	4.1%	82.4	6.1%	4.50	1.9%	6,134	8.5%	5,933	8.9%	71,119	4.6%
1999	206.0	3.2%	86.2	3.4%	84.1	2.1%	4.24	-5.9%	6,403	4.4%	6,248	5.3%	72,440	1.9%
2000	213.2	3.5%	89.4	3.6%	86.7	3.1%	4.51	6.5%	6,639	3.7%	6,605	5.7%	73,923	2.0%
2001	223.1	4.6%	93.6	4.7%	89.6	3.3%	4.55	0.8%	7,016	5.7%	7,038	6.5%	75,211	1.7%
2002	232.4	4.2%	97.8	4.5%	92.8	3.6%	4.11	-9.6%	7,530	7.3%	7,244	2.9%	74,109	-1.5%
2003	242.7	4.5%	102.5	4.8%	97.2	4.8%	4.02	-2.2%	8,187	8.7%	7,767	7.2%	75,811	2.3%
2004	256.0	5.5%	108.0	5.4%	105.6	8.6%	4.39	9.1%	9,071	10.8%	8,361	7.6%	77,433	2.1%
2005	268.6	4.9%	113.0	4.7%	111.3	5.5%	4.68	6.7%	9,728	7.2%	8,836	5.7%	78,182	1.0%
2006	281.8	4.9%	117.8	4.3%	119.0	6.9%	4.67	-0.3%	10,272	5.6%	9,540	8.0%	80,966	3.6%
2007	290.4	3.1%	120.4	2.2%	122.1	2.6%	4.32	-7.4%	10,213	-0.6%	9,822	3.0%	81,558	0.7%
2008	294.0	1.3%	120.9	0.4%	121.4	-0.6%	3.97	-8.3%	10,009	-2.0%	9,780	-0.4%	80,897	-0.8%
2009	296.1	0.7%	120.6	-0.3%	117.2	-3.4%	3.22	-18.8%	9,542	-4.7%	9,408	-3.8%	78,014	-3.6%
2010	298.7	0.9%	122.0	1.2%	117.1	-0.1%	3.05	-5.4%	9,469	-0.8%	9,561	1.6%	78,373	0.5%
2011	300.8	0.7%	123.5	1.2%	120.5	2.9%	3.34	9.6%	9,340	-1.4%	9,658	1.0%	78,223	-0.2%
2012	304.1	1.1%	124.7	1.0%	123.3	2.3%	3.54	5.9%	9,372	0.3%	9,839	1.9%	78,920	0.9%
2013	309.0	1.6%	125.7	0.9%	125.8	2.0%	3.27	-7.5%	9,532	1.7%	10,068	2.3%	80,074	1.5%
2014	316.8	2.5%	129.3	2.9%	129.6	3.1%	3.39	3.6%	9,808	2.9%	10,513	4.4%	81,278	1.5%
2015	326.9	3.2%	133.9	3.5%	135.7	4.7%	3.52	3.8%	10,249	4.5%	11,053	5.1%	82,528	1.5%
2016	334.2	2.2%	137.3	2.5%	139.7	2.9%	3.71	5.5%	10,657	4.0%	11,459	3.7%	82,899	0.4%
2017	341.5	2.2%	140.6	2.4%	143.3	2.6%	3.77	1.4%	11,074	3.9%	11,888	3.7%	83,661	0.9%
2018	349.0	2.2%	143.9	2.3%	146.8	2.4%	3.80	0.9%	11,516	4.0%	12,353	3.9%	84,747	1.3%
2019	356.5	2.1%	147.2	2.3%	150.2	2.3%	3.85	1.2%	11,908	3.4%	12,852	4.0%	86,050	1.5%
2020	364.0	2.1%	150.5	2.3%	153.6	2.3%	3.91	1.6%	12,305	3.3%	13,375	4.1%	87,394	1.6%
2021	371.8	2.1%	153.9	2.2%	157.2	2.3%	3.97	1.5%	12,690	3.1%	13,889	3.8%	88,401	1.2%
2022	379.7	2.1%	157.2	2.2%	161.0	2.5%	4.01	1.2%	13,179	3.9%	14,436	3.9%	89,585	1.3%
2023	387.8	2.1%	160.6	2.1%	164.9	2.4%	4.05	0.8%	13,674	3.8%	14,988	3.8%	90,589	1.1%
2024	396.1	2.1%	164.0	2.1%	168.6	2.3%	4.07	0.7%	14,131	3.3%	15,538	3.7%	91,389	0.9%
2025	404.5	2.1%	167.4	2.1%	172.3	2.2%	4.09	0.4%	14,584	3.2%	16,103	3.6%	92,169	0.9%
2026	413.2	2.1%	170.9	2.1%	176.2	2.2%	4.12	0.7%	15,074	3.4%	16,688	3.6%	92,986	0.9%
2027	421.8	2.1%	174.3	2.0%	179.9	2.1%	4.14	0.5%	15,550	3.2%	17,282	3.6%	93,919	1.0%
2028	430.4	2.0%	177.4	1.8%	183.5	2.0%	4.15	0.0%	16,013	3.0%	17,877	3.4%	95,089	1.2%
2029	438.9	2.0%	180.5	1.7%	187.2	2.0%	4.15	0.0%	16,475	2.9%	18,473	3.3%	96,227	1.2%
2030	447.3	1.9%	183.5	1.7%	190.8	1.9%	4.14	0.0%	16,911	2.6%	19,065	3.2%	97,333	1.1%
2031	455.7	1.9%	186.4	1.6%	194.4	1.9%	4.14	-0.2%	17,371	2.7%	19,626	2.9%	98,130	0.8%
2032	464.2	1.9%	189.4	1.6%	198.2	1.9%	4.12	-0.4%	17,832	2.7%	20,198	2.9%	98,981	0.9%
2033	472.8	1.8%	192.4	1.6%	201.9	1.8%	4.10	-0.4%	18,296	2.6%	20,775	2.9%	99,776	0.8%
2034	481.5	1.8%	195.4	1.6%	205.5	1.8%	4.09	-0.3%	18,790	2.7%	21,372	2.9%	100,592	0.8%
2035	490.3	1.8%	198.4	1.6%	209.2	1.8%	4.08	-0.2%	19,310	2.8%	21,998	2.9%	101,491	0.9%
2036	499.3	1.8%	201.7	1.6%	213.1	1.9%	4.08	0.0%	19,884	3.0%	22,639	2.9%	102,353	0.8%
Average Percent Change														
2006-2016	1.7%		1.5%		1.6%		-2.3%		0.4%		1.8%		0.2%	
2017-2026	2.1%		2.2%		2.3%		1.0%		3.5%		3.8%		1.2%	
2027-2036	1.9%		1.7%		1.9%		-0.1%		2.8%		3.1%		1.0%	







FMPA 2017 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	2007	31,722	-	32,162	-	1.4%	6.4	-	7.3	-	12.7%	7.5	-	7.3	-	-2.9%
	2008	31,835	0.4%	32,156	0.0%	1.0%	6.7	3.7%	7.8	6.7%	16.0%	7.2	-4.5%	7.2	-1.8%	-0.2%
	2009	33,043	3.8%	32,888	2.3%	-0.5%	8.0	19.9%	8.1	4.4%	0.9%	7.7	6.9%	7.7	7.1%	0.0%
	2010	34,567	4.6%	32,515	-1.1%	-5.9%	9.5	18.0%	8.3	2.0%	-12.8%	7.6	-1.4%	6.9	-9.7%	-8.4%
	2011	33,524	-3.0%	31,860	-2.0%	-5.0%	8.1	-14.7%	8.5	2.7%	5.1%	7.2	-5.2%	6.4	-7.4%	-10.6%
	2012	31,688	-5.5%	32,025	0.5%	1.1%	7.8	-3.3%	8.5	0.6%	9.3%	6.3	-12.3%	7.0	9.5%	11.7%
	2013	32,137	1.4%	32,214	0.6%	0.2%	7.4	-5.2%	7.5	-11.9%	1.5%	7.3	16.3%	7.6	8.2%	3.8%
	2014	34,298	6.7%	34,339	6.6%	0.1%	7.6	2.6%	8.5	12.7%	11.5%	7.8	7.3%	8.2	7.6%	4.1%
	2015	36,047	5.1%	35,096	2.2%	-2.6%	8.7	14.2%	8.1	-4.0%	-6.2%	7.8	-0.2%	8.8	7.9%	12.6%
	2016	36,935	2.5%	35,976	2.5%	-2.6%	8.0	-7.5%	8.4	3.3%	4.7%	8.4	7.7%	8.5	-3.8%	0.5%
Projected	2017	37,121	0.5%	37,121	3.2%		8.6	7.9%	8.6	3.0%		8.3	-1.2%	8.3	-1.7%	
	2018			37,910	2.1%				8.8	2.0%				8.5	2.0%	
	2019			38,662	2.0%				9.0	2.0%				8.7	2.0%	
	2020			39,514	2.2%				9.2	2.2%				8.9	2.2%	
	2021			40,205	1.7%				9.4	1.7%				9.0	1.7%	
	2022			40,974	1.9%				9.5	1.9%				9.2	1.9%	
	2023			41,748	1.9%				9.7	1.9%				9.4	1.9%	
	2024			42,592	2.0%				9.9	2.0%				9.6	2.0%	
	2025			43,265	1.6%				10.1	1.6%				9.7	1.6%	
	2026			44,004	1.7%				10.2	1.7%				9.9	1.7%	
	2027			44,725	1.6%				10.4	1.6%				10.0	1.6%	
	2028			45,545	1.8%				10.6	1.8%				10.2	1.8%	
	2029			46,188	1.4%				10.7	1.4%				10.4	1.4%	
	2030			46,909	1.6%				10.9	1.6%				10.5	1.6%	
	2031			47,630	1.5%				11.1	1.5%				10.7	1.5%	
	2032			48,447	1.7%				11.3	1.7%				10.9	1.7%	
	2033			49,078	1.3%				11.4	1.3%				11.0	1.3%	
	2034			49,791	1.5%				11.6	1.4%				11.2	1.4%	
	2035			50,503	1.4%				11.7	1.4%				11.3	1.4%	
	2036			51,335	1.6%				11.9	1.7%				11.5	1.7%	
CAGR <sup>[3]</sup>	2007-2016		1.7%		1.3%			2.4%		1.6%			1.3%		1.7%	
	2017-2026				1.9%					1.9%					1.9%	
	2027-2036				1.5%					1.5%					1.5%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Newberry**  
**2017 v. 2016 (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	2007	31,722	-	31,722	-	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%	36,047	5.1%	8.8	8.5	8.8	8.5	8.7	7.8	8.7	7.8
	2016	36,935	2.5%	36,630	1.6%	8.6	8.5	8.8	8.4	8.0	8.4	8.6	8.1
Projected	2017	37,121	0.5%	37,340	1.9%	8.8	8.6	8.9	8.5	8.6	8.3	8.7	8.2
	2018	37,910	2.1%	37,936	1.6%	9.0	8.7	9.0	8.7	8.8	8.5	8.8	8.3
	2019	38,662	2.0%	38,685	2.0%	9.2	8.9	9.2	8.9	9.0	8.7	9.0	8.5
	2020	39,514	2.2%	39,550	2.2%	9.4	9.1	9.4	9.1	9.2	8.9	9.2	8.7
	2021	40,205	1.7%	40,266	1.8%	9.6	9.3	9.6	9.2	9.4	9.0	9.4	8.9
	2022	40,974	1.9%	41,058	2.0%	9.7	9.4	9.8	9.4	9.5	9.2	9.6	9.0
	2023	41,748	1.9%	41,839	1.9%	9.9	9.6	10.0	9.6	9.7	9.4	9.8	9.2
	2024	42,592	2.0%	42,690	2.0%	10.1	9.8	10.2	9.8	9.9	9.6	10.0	9.4
	2025	43,265	1.6%	43,359	1.6%	10.3	10.0	10.3	9.9	10.1	9.7	10.1	9.5
	2026	44,004	1.7%	44,105	1.7%	10.5	10.1	10.5	10.1	10.2	9.9	10.3	9.7
	2027	44,725	1.6%	44,867	1.7%	10.6	10.3	10.7	10.3	10.4	10.0	10.5	9.9
	2028	45,545	1.8%	45,747	2.0%	10.8	10.5	10.9	10.5	10.6	10.2	10.7	10.1
	2029	46,188	1.4%	46,459	1.6%	11.0	10.6	11.1	10.6	10.7	10.4	10.8	10.2
	2030	46,909	1.6%	47,252	1.7%	11.2	10.8	11.3	10.8	10.9	10.5	11.0	10.4
	2031	47,630	1.5%	48,024	1.6%	11.3	11.0	11.4	11.0	11.1	10.7	11.2	10.6
	2032	48,447	1.7%	48,877	1.8%	11.5	11.1	11.6	11.2	11.3	10.9	11.4	10.7
	2033	49,078	1.3%	49,539	1.4%	11.7	11.3	11.8	11.3	11.4	11.0	11.5	10.9
	2034	49,791	1.5%	50,311	1.6%	11.8	11.5	12.0	11.5	11.6	11.2	11.7	11.1
	2035	50,503	1.4%	51,096	1.6%	12.0	11.6	12.2	11.7	11.7	11.3	11.9	11.2
	2036	51,335	1.6%			12.2	11.8			11.9	11.5		
CAGR <sup>[1]</sup>	Historical		1.7%		1.6%	2.7%	1.3%	3.5%	1.4%	2.3%	2.0%	3.8%	1.3%
	1st 10 Prj Yrs		1.9%		1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%
	2nd 10 Prj Yrs		1.5%		1.6%	1.5%	1.5%	1.6%	1.6%	1.5%	1.5%	1.6%	1.6%

[1] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**

**Newberry**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	2,744	2,572	2,588	35,908	36,047
	2016	3,070	2,706	2,562	2,634	3,207	3,677	3,920	3,836	3,417	2,837	2,588	2,986	37,442	36,935
Projected	2017	3,290	2,717	2,758	2,638	3,099	3,520	3,636	3,733	3,319	2,917	2,676	3,027	37,330	37,121
	2018	3,357	2,776	2,812	2,689	3,162	3,591	3,710	3,808	3,385	2,974	2,729	3,090	38,082	37,910
	2019	3,427	2,832	2,868	2,740	3,222	3,660	3,783	3,884	3,454	3,034	2,784	3,153	38,841	38,662
	2020	3,497	2,967	2,925	2,795	3,285	3,733	3,858	3,961	3,522	3,094	2,839	3,215	39,690	39,514
	2021	3,567	2,947	2,982	2,849	3,349	3,805	3,933	4,037	3,589	3,153	2,893	3,277	40,380	40,205
	2022	3,636	3,004	3,039	2,903	3,412	3,877	4,008	4,114	3,657	3,212	2,948	3,339	41,151	40,974
	2023	3,706	3,061	3,097	2,958	3,476	3,950	4,083	4,191	3,725	3,272	3,003	3,401	41,924	41,748
	2024	3,775	3,201	3,154	3,012	3,539	4,022	4,157	4,266	3,792	3,330	3,056	3,462	42,766	42,592
	2025	3,843	3,174	3,210	3,065	3,602	4,093	4,230	4,341	3,858	3,388	3,109	3,523	43,436	43,265
	2026	3,910	3,229	3,265	3,117	3,663	4,162	4,302	4,414	3,922	3,444	3,161	3,581	44,170	44,004
Projected	2027	3,975	3,283	3,318	3,168	3,722	4,229	4,372	4,485	3,986	3,500	3,212	3,640	44,891	44,725
	2028	4,041	3,425	3,373	3,220	3,783	4,298	4,443	4,558	4,051	3,557	3,264	3,699	45,713	45,545
	2029	4,107	3,391	3,427	3,272	3,843	4,367	4,514	4,631	4,115	3,613	3,316	3,758	46,354	46,188
	2030	4,172	3,445	3,481	3,323	3,903	4,435	4,584	4,702	4,178	3,669	3,367	3,816	47,074	46,909
	2031	4,237	3,498	3,534	3,374	3,963	4,502	4,654	4,774	4,242	3,724	3,418	3,875	47,796	47,630
	2032	4,302	3,645	3,588	3,425	4,023	4,570	4,725	4,846	4,306	3,780	3,470	3,933	48,614	48,447
	2033	4,368	3,605	3,642	3,476	4,083	4,638	4,795	4,917	4,369	3,836	3,521	3,991	49,243	49,078
	2034	4,432	3,658	3,695	3,527	4,142	4,705	4,864	4,988	4,432	3,891	3,571	4,049	49,954	49,791
	2035	4,496	3,711	3,748	3,577	4,201	4,772	4,934	5,059	4,495	3,946	3,623	4,107	50,668	50,503
	2036	4,562	3,865	3,802	3,629	4,261	4,842	5,006	5,133	4,560	4,004	3,676	4,168	51,507	51,335

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.2%	7.7%	7.0%	7.5%	8.9%	9.7%	10.1%	10.0%	8.9%	7.6%	7.2%	7.2%	100.0%
	2016	8.2%	7.2%	6.8%	7.0%	8.6%	9.8%	10.5%	10.2%	9.1%	7.6%	6.9%	8.0%	100.0%
Projected	2017	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2018	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2019	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2020	8.8%	7.5%	7.4%	7.0%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2021	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2022	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2023	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2024	8.8%	7.5%	7.4%	7.0%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.1%	8.1%	100.0%
	2025	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
	2026	8.9%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%
Avg.	2007-2016	8.4%	7.2%	7.1%	7.1%	8.6%	9.5%	10.0%	10.2%	9.2%	7.8%	7.0%	7.8%	100.0%
	2017-2026	8.8%	7.3%	7.4%	7.1%	8.3%	9.4%	9.7%	10.0%	8.9%	7.8%	7.2%	8.1%	100.0%

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FMPA 2017 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	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
	2015	7.3	8.8	5.4	6.2	7.4	8.5	8.1	7.8	7.5	6.9	6.5	5.4	8.8	8.5
	2016	8.6	8.2	5.7	7.1	7.1	8.2	8.4	8.5	7.6	6.9	6.4	6.9	8.6	8.5
Projected	2017	8.8	8.3	5.7	6.2	7.5	8.3	8.1	8.6	7.9	6.9	6.5	7.1	8.8	8.6
	2018	9.0	8.5	5.9	6.4	7.6	8.5	8.3	8.7	8.1	7.1	6.7	7.2	9.0	8.7
	2019	9.2	8.7	6.0	6.5	7.8	8.6	8.5	8.9	8.2	7.2	6.8	7.4	9.2	8.9
	2020	9.4	8.9	6.1	6.6	7.9	8.8	8.6	9.1	8.4	7.4	6.9	7.5	9.4	9.1
	2021	9.6	9.0	6.2	6.8	8.1	9.0	8.8	9.3	8.5	7.5	7.1	7.7	9.6	9.3
	2022	9.7	9.2	6.3	6.9	8.2	9.1	9.0	9.4	8.7	7.6	7.2	7.8	9.7	9.4
	2023	9.9	9.4	6.4	7.0	8.4	9.3	9.1	9.6	8.9	7.8	7.3	8.0	9.9	9.6
	2024	10.1	9.6	6.6	7.2	8.5	9.5	9.3	9.8	9.1	7.9	7.4	8.1	10.1	9.8
	2025	10.3	9.7	6.7	7.3	8.7	9.7	9.5	10.0	9.2	8.1	7.6	8.2	10.3	10.0
	2026	10.5	9.9	6.8	7.4	8.8	9.8	9.6	10.1	9.3	8.2	7.7	8.4	10.5	10.1
Projected	2027	10.6	10.0	6.9	7.5	9.0	10.0	9.8	10.3	9.5	8.3	7.8	8.5	10.6	10.3
	2028	10.8	10.2	7.0	7.7	9.1	10.2	10.0	10.5	9.7	8.5	7.9	8.6	10.8	10.5
	2029	11.0	10.4	7.1	7.8	9.3	10.3	10.1	10.6	9.8	8.6	8.1	8.8	11.0	10.6
	2030	11.2	10.5	7.2	7.9	9.4	10.5	10.3	10.8	10.0	8.7	8.2	8.9	11.2	10.8
	2031	11.3	10.7	7.4	8.0	9.5	10.6	10.4	11.0	10.1	8.9	8.3	9.0	11.3	11.0
	2032	11.5	10.9	7.5	8.1	9.7	10.8	10.6	11.1	10.3	9.0	8.4	9.2	11.5	11.1
	2033	11.7	11.0	7.6	8.2	9.8	10.9	10.7	11.3	10.4	9.1	8.6	9.3	11.7	11.3
	2034	11.8	11.2	7.7	8.4	10.0	11.1	10.9	11.5	10.6	9.3	8.7	9.4	11.8	11.5
	2035	12.0	11.3	7.8	8.5	10.1	11.3	11.0	11.6	10.7	9.4	8.8	9.6	12.0	11.6
	2036	12.2	11.5	7.9	8.6	10.3	11.5	11.2	11.8	10.9	9.6	8.9	9.7	12.2	11.8

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	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%	53.5%	53.5%	66.7%	46.4%	48.4%
	2016	48.3%	47.5%	60.6%	50.0%	67.3%	60.4%	64.5%	60.7%	62.2%	55.5%	54.4%	59.7%	50.0%	50.3%
Projected	2017	50.0%	48.5%	64.6%	56.7%	61.8%	57.0%	62.1%	58.6%	58.3%	56.6%	55.1%	59.3%	48.2%	49.8%
	2018	50.0%	48.6%	64.5%	56.7%	61.8%	57.0%	62.1%	58.6%	58.3%	56.6%	55.1%	59.4%	48.2%	49.8%
	2019	50.1%	48.6%	64.5%	56.6%	61.8%	57.0%	62.1%	58.6%	58.3%	56.6%	55.0%	59.3%	48.2%	49.8%
	2020	50.0%	48.1%	64.4%	56.5%	61.7%	56.9%	62.0%	58.5%	58.2%	56.5%	55.2%	59.4%	48.2%	49.8%
	2021	50.1%	48.6%	64.5%	56.6%	61.8%	57.0%	62.1%	58.6%	58.3%	56.6%	55.2%	59.4%	48.2%	49.8%
	2022	50.1%	48.6%	64.5%	56.6%	61.8%	57.0%	62.1%	58.6%	58.3%	56.6%	55.2%	59.4%	48.2%	49.8%
	2023	50.2%	48.6%	64.6%	56.6%	61.8%	57.0%	62.1%	58.6%	58.3%	56.5%	55.1%	59.4%	48.2%	49.8%
	2024	50.1%	48.1%	64.4%	56.5%	61.6%	56.9%	62.0%	58.5%	58.2%	56.4%	55.2%	59.5%	48.2%	49.8%
	2025	50.2%	48.7%	64.6%	56.7%	61.8%	57.0%	62.1%	58.6%	58.3%	56.5%	55.2%	59.5%	48.2%	49.8%
	2026	50.2%	48.7%	64.6%	56.7%	61.8%	57.0%	62.1%	58.6%	58.3%	56.5%	55.2%	59.5%	48.2%	49.8%
Avg.	2007-2016	49.5%	48.3%	56.1%	56.7%	65.6%	57.9%	63.2%	61.2%	60.7%	56.8%	53.6%	57.2%	48.2%	49.8%
	2017-2026	50.1%	48.5%	64.5%	56.6%	61.8%	57.0%	62.1%	58.6%	58.3%	56.5%	55.2%	59.4%	48.2%	49.8%



FMPA 2017 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	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	6.8	6.3	4.7	8.7	7.8
	2016	7.9	8.0	5.7	7.1	6.7	8.2	8.4	8.5	7.1	6.4	5.8	6.1	8.0	8.4
Projected	2017	8.6	8.3	5.3	5.9	7.3	7.9	7.6	8.3	7.4	6.5	5.9	6.2	8.6	8.3
	2018	8.8	8.4	5.4	6.0	7.4	8.0	7.8	8.5	7.5	6.6	6.0	6.3	8.8	8.5
	2019	9.0	8.6	5.5	6.1	7.6	8.2	7.9	8.7	7.7	6.8	6.2	6.4	9.0	8.7
	2020	9.2	8.8	5.6	6.3	7.7	8.4	8.1	8.9	7.9	6.9	6.3	6.6	9.2	8.9
	2021	9.4	8.9	5.7	6.4	7.9	8.5	8.2	9.0	8.0	7.0	6.4	6.7	9.4	9.0
	2022	9.5	9.1	5.8	6.5	8.0	8.7	8.4	9.2	8.1	7.2	6.5	6.8	9.5	9.2
	2023	9.7	9.3	5.9	6.6	8.2	8.9	8.6	9.4	8.3	7.3	6.7	6.9	9.7	9.4
	2024	9.9	9.5	6.0	6.7	8.3	9.0	8.7	9.6	8.5	7.4	6.8	7.1	9.9	9.6
	2025	10.1	9.6	6.1	6.9	8.5	9.2	8.9	9.7	8.6	7.6	6.9	7.2	10.1	9.7
	2026	10.2	9.8	6.2	7.0	8.6	9.3	9.0	9.9	8.7	7.7	7.0	7.3	10.2	9.9
Projected	2027	10.4	9.9	6.3	7.1	8.7	9.5	9.2	10.0	8.9	7.8	7.1	7.4	10.4	10.0
	2028	10.6	10.1	6.5	7.2	8.9	9.7	9.3	10.2	9.0	7.9	7.2	7.5	10.6	10.2
	2029	10.7	10.3	6.5	7.3	9.0	9.8	9.5	10.4	9.2	8.1	7.3	7.6	10.7	10.4
	2030	10.9	10.4	6.6	7.4	9.2	9.9	9.6	10.5	9.3	8.2	7.4	7.8	10.9	10.5
	2031	11.1	10.6	6.7	7.5	9.3	10.1	9.8	10.7	9.5	8.3	7.6	7.9	11.1	10.7
	2032	11.3	10.8	6.9	7.7	9.5	10.3	9.9	10.9	9.6	8.5	7.7	8.0	11.3	10.9
	2033	11.4	10.9	7.0	7.8	9.6	10.4	10.1	11.0	9.7	8.6	7.8	8.1	11.4	11.0
	2034	11.6	11.0	7.1	7.9	9.7	10.6	10.2	11.2	9.9	8.7	7.9	8.2	11.6	11.2
	2035	11.7	11.2	7.2	8.0	9.9	10.7	10.3	11.3	10.0	8.8	8.0	8.4	11.7	11.3
	2036	11.9	11.4	7.3	8.1	10.0	10.9	10.5	11.5	10.2	9.0	8.1	8.5	11.9	11.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.1%	97.5%	87.8%	98.0%	92.5%
	2016	92.0%	97.8%	100.0%	99.7%	93.8%	99.9%	100.0%	100.0%	92.8%	93.7%	90.9%	87.3%	93.7%	99.3%
Projected	2017	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2018	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2019	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2020	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2021	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2022	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2023	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2024	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2025	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2026	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%
	2007-2016	97.7%	98.3%	90.5%	96.9%	96.8%	96.7%	94.7%	97.0%	95.8%	95.7%	81.2%	88.0%	97.1%	96.8%
	2017-2026	97.8%	99.0%	91.8%	94.3%	97.5%	95.0%	93.7%	97.4%	93.5%	93.7%	90.9%	87.3%	97.8%	97.4%

# FMPA 2017 Load Forecast - Base Case - Newberry

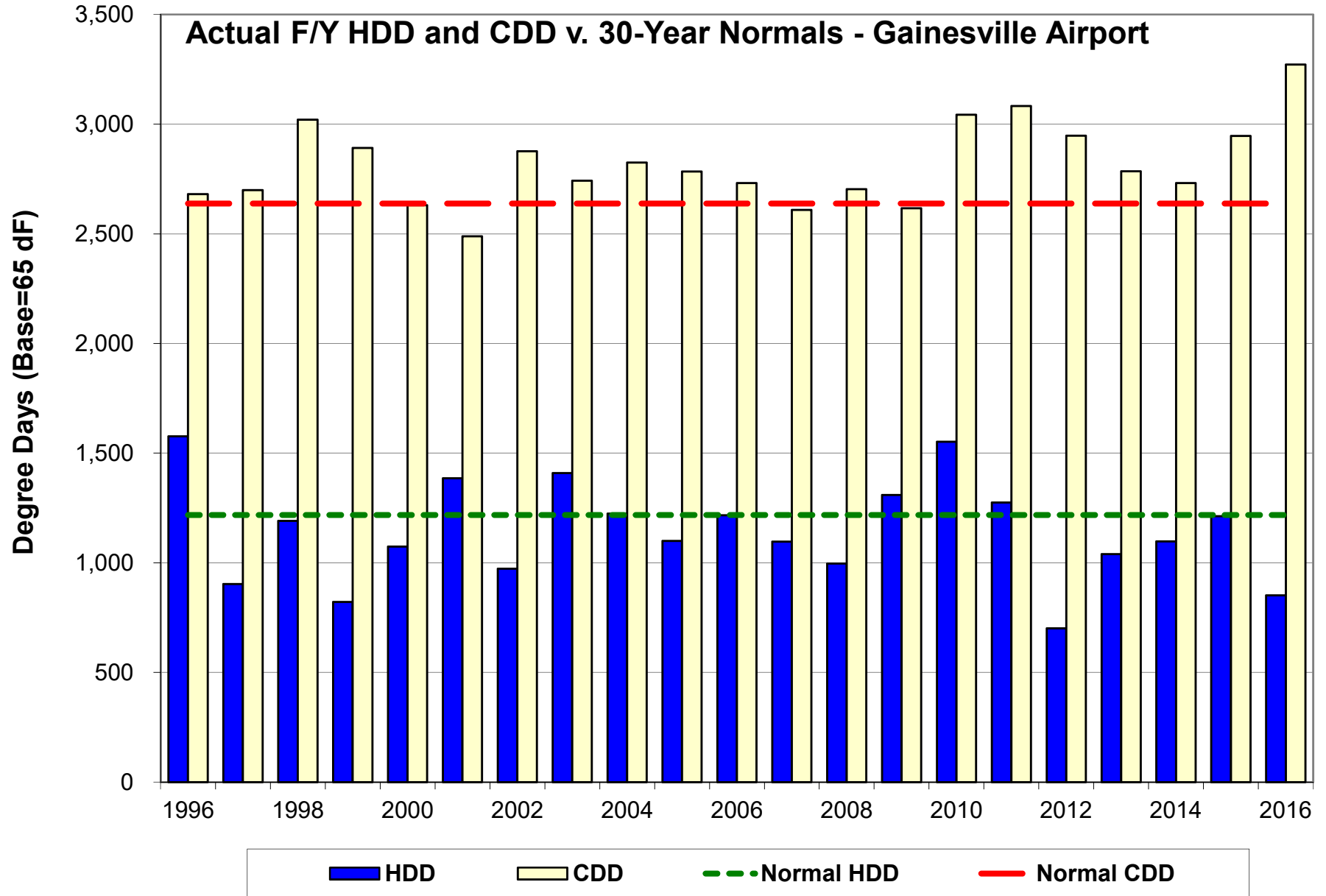
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

		Residential						General Service						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	(MWh)	% Chg		(MWh)	% Chg
Historical	2007	14,942		1,140		13,107		13,080		232		56.5		1,617		29,639		2,083	31,722	
	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%
	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	18,729	2.1%	1,455	3.5%	12,875	-1.4%	13,821	0.1%	238	-0.9%	58.1	1.0%	1,862	-0.3%	34,412	1.2%	2,523	36,935	2.5%
Projected	2017	19,084	1.9%	1,483	2.0%	12,864	-0.1%	14,068	1.8%	239	0.4%	58.9	1.3%	1,956	5.0%	35,108	2.0%	2,013	37,121	0.5%
	2018	19,463	2.0%	1,522	2.6%	12,788	-0.6%	14,261	1.4%	240	0.7%	59.3	0.7%	2,014	3.0%	35,738	1.8%	2,172	37,910	2.1%
	2019	19,877	2.1%	1,558	2.4%	12,757	-0.2%	14,496	1.6%	242	0.5%	60.0	1.2%	2,075	3.0%	36,448	2.0%	2,214	38,662	2.0%
	2020	20,303	2.1%	1,592	2.2%	12,750	-0.1%	14,740	1.7%	243	0.4%	60.8	1.3%	2,136	2.9%	37,179	2.0%	2,335	39,514	2.2%
	2021	20,726	2.1%	1,626	2.1%	12,750	0.0%	14,980	1.6%	244	0.4%	61.5	1.2%	2,196	2.8%	37,903	1.9%	2,302	40,205	1.7%
	2022	21,149	2.0%	1,658	2.0%	12,755	0.0%	15,220	1.6%	244	0.4%	62.3	1.2%	2,259	2.9%	38,628	1.9%	2,346	40,974	1.9%
	2023	21,569	2.0%	1,690	1.9%	12,761	0.0%	15,464	1.6%	245	0.4%	63.1	1.2%	2,324	2.9%	39,357	1.9%	2,391	41,748	1.9%
	2024	21,976	1.9%	1,721	1.8%	12,768	0.1%	15,711	1.6%	246	0.4%	63.8	1.2%	2,389	2.8%	40,076	1.8%	2,517	42,592	2.0%
	2025	22,384	1.9%	1,752	1.8%	12,777	0.1%	15,953	1.5%	247	0.3%	64.6	1.2%	2,451	2.6%	40,788	1.8%	2,477	43,265	1.6%
	2026	22,786	1.8%	1,782	1.7%	12,784	0.1%	16,186	1.5%	248	0.3%	65.3	1.1%	2,513	2.5%	41,484	1.7%	2,520	44,004	1.7%
	2027	23,177	1.7%	1,812	1.7%	12,790	0.0%	16,413	1.4%	249	0.3%	66.0	1.1%	2,574	2.5%	42,164	1.6%	2,561	44,725	1.6%
	2028	23,577	1.7%	1,843	1.7%	12,792	0.0%	16,639	1.4%	249	0.3%	66.7	1.1%	2,638	2.5%	42,854	1.6%	2,691	45,545	1.8%
	2029	23,973	1.7%	1,874	1.7%	12,794	0.0%	16,868	1.4%	250	0.3%	67.5	1.1%	2,702	2.5%	43,543	1.6%	2,644	46,188	1.4%
	2030	24,366	1.6%	1,904	1.6%	12,795	0.0%	17,099	1.4%	251	0.3%	68.2	1.1%	2,768	2.4%	44,223	1.6%	2,686	46,909	1.6%
	2031	24,740	1.6%	1,933	1.6%	12,797	0.0%	17,331	1.4%	252	0.3%	68.9	1.0%	2,833	2.4%	44,903	1.5%	2,727	47,630	1.5%
	2032	25,128	1.6%	1,963	1.6%	12,798	0.0%	17,559	1.3%	252	0.3%	69.6	1.0%	2,898	2.3%	45,585	1.5%	2,862	48,447	1.7%
	2033	25,518	1.6%	1,994	1.5%	12,799	0.0%	17,786	1.3%	253	0.3%	70.3	1.0%	2,965	2.3%	46,268	1.5%	2,810	49,078	1.3%
	2034	25,896	1.5%	2,023	1.5%	12,798	0.0%	18,013	1.3%	254	0.3%	71.0	1.0%	3,031	2.2%	46,941	1.5%	2,851	49,791	1.5%
	2035	26,273	1.5%	2,053	1.5%	12,796	0.0%	18,240	1.3%	254	0.3%	71.7	1.0%	3,099	2.2%	47,611	1.4%	2,891	50,503	1.4%
	2036	26,667	1.5%	2,084	1.5%	12,794	0.0%	18,468	1.2%	255	0.3%	72.4	1.0%	3,168	2.2%	48,302	1.5%	3,033	51,335	1.6%
CAGR	2007-2016		2.5%		2.7%		-0.2%		0.6%		0.3%		0.3%		1.6%		1.7%			1.7%
	2017-2026		2.0%		2.1%		-0.1%		1.6%		0.4%		1.2%		2.8%		1.9%			1.9%
	2027-2036		1.6%		1.6%		0.0%		1.3%		0.3%		1.0%		2.3%		1.5%			1.5%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	207.1	-	82.3	-	130.5	-	6.17	-	7,216	-	5,534	-	67,254	-
1997	210.4	1.6%	83.6	1.7%	131.7	0.9%	6.18	0.0%	7,409	2.7%	5,750	3.9%	68,738	2.2%
1998	213.1	1.3%	85.0	1.6%	136.8	3.8%	6.05	-2.1%	7,759	4.7%	6,056	5.3%	71,284	3.7%
1999	216.2	1.5%	86.6	1.9%	140.4	2.7%	5.90	-2.5%	7,920	2.1%	6,218	2.7%	71,827	0.8%
2000	219.0	1.3%	88.6	2.4%	144.6	3.0%	6.18	4.9%	8,069	1.9%	6,454	3.8%	72,819	1.4%
2001	222.1	1.4%	90.6	2.2%	147.7	2.1%	5.38	-13.0%	8,277	2.6%	6,678	3.5%	73,739	1.3%
2002	224.9	1.3%	92.4	2.0%	146.9	-0.5%	5.33	-1.0%	8,408	1.6%	6,795	1.7%	73,542	-0.3%
2003	227.4	1.1%	94.1	1.8%	147.7	0.5%	5.07	-4.7%	8,573	2.0%	6,920	1.8%	73,555	0.0%
2004	230.5	1.3%	95.7	1.7%	156.1	5.7%	4.99	-1.7%	9,370	9.3%	7,625	10.2%	79,696	8.3%
2005	234.6	1.8%	97.6	2.0%	158.9	1.8%	5.01	0.4%	9,530	1.7%	7,993	4.8%	81,896	2.8%
2006	239.8	2.2%	99.5	1.9%	161.8	1.8%	5.56	11.0%	9,814	3.0%	8,375	4.8%	84,184	2.8%
2007	242.9	1.3%	100.2	0.7%	164.1	1.4%	5.53	-0.5%	10,261	4.6%	8,584	2.5%	85,667	1.8%
2008	245.1	0.9%	100.5	0.3%	162.0	-1.3%	5.34	-3.4%	10,225	-0.3%	8,676	1.1%	86,364	0.8%
2009	246.7	0.7%	100.3	-0.1%	155.7	-3.9%	4.47	-16.3%	10,033	-1.9%	8,416	-3.0%	83,878	-2.9%
2010	247.9	0.5%	101.3	0.9%	153.4	-1.5%	4.25	-4.9%	10,163	1.3%	8,731	3.7%	86,206	2.8%
2011	249.9	0.8%	102.8	1.5%	154.2	0.5%	4.23	-0.4%	9,995	-1.7%	8,973	2.8%	87,317	1.3%
2012	251.8	0.8%	102.1	-0.7%	155.8	1.0%	4.25	0.3%	9,965	-0.3%	8,922	-0.6%	87,398	0.1%
2013	253.7	0.8%	104.2	2.1%	157.5	1.1%	4.26	0.3%	10,097	1.3%	8,972	0.6%	86,100	-1.5%
2014	257.0	1.3%	105.5	1.3%	160.9	2.2%	4.10	-3.6%	10,244	1.5%	9,282	3.5%	87,945	2.1%
2015	260.0	1.2%	107.3	1.7%	164.3	2.1%	4.27	4.1%	10,626	3.7%	9,614	3.6%	89,578	1.9%
2016	263.1	1.2%	109.2	1.7%	167.3	1.8%	4.39	2.9%	10,909	2.7%	9,893	2.9%	90,609	1.2%
2017	266.0	1.1%	110.8	1.5%	169.7	1.5%	4.45	1.2%	11,225	2.9%	10,177	2.9%	91,860	1.4%
2018	268.6	1.0%	112.3	1.3%	171.8	1.2%	4.47	0.6%	11,531	2.7%	10,477	3.0%	93,322	1.6%
2019	271.1	0.9%	113.7	1.3%	173.8	1.2%	4.51	0.9%	11,781	2.2%	10,773	2.8%	94,759	1.5%
2020	273.5	0.9%	115.0	1.2%	175.8	1.1%	4.57	1.2%	12,034	2.1%	11,064	2.7%	96,179	1.5%
2021	275.8	0.8%	116.3	1.1%	177.7	1.1%	4.61	1.0%	12,284	2.1%	11,366	2.7%	97,732	1.6%
2022	278.1	0.8%	117.5	1.0%	180.0	1.3%	4.63	0.5%	12,599	2.6%	11,682	2.8%	99,440	1.7%
2023	280.3	0.8%	118.6	1.0%	182.2	1.2%	4.64	0.1%	12,910	2.5%	11,999	2.7%	101,134	1.7%
2024	282.5	0.8%	119.8	0.9%	184.1	1.1%	4.64	0.0%	13,181	2.1%	12,301	2.5%	102,711	1.6%
2025	284.8	0.8%	120.8	0.9%	186.0	1.0%	4.64	0.0%	13,452	2.1%	12,599	2.4%	104,282	1.5%
2026	287.0	0.8%	121.9	0.9%	187.9	1.0%	4.64	0.1%	13,731	2.1%	12,894	2.3%	105,787	1.4%
2027	289.3	0.8%	123.0	0.9%	189.7	0.9%	4.64	0.0%	14,032	2.2%	13,198	2.4%	107,332	1.5%
2028	291.6	0.8%	124.0	0.8%	191.5	0.9%	4.63	-0.3%	14,351	2.3%	13,508	2.4%	108,938	1.5%
2029	293.9	0.8%	125.0	0.8%	193.3	1.0%	4.62	-0.2%	14,692	2.4%	13,824	2.3%	110,573	1.5%
2030	296.2	0.8%	126.0	0.8%	195.3	1.0%	4.62	-0.1%	15,054	2.5%	14,139	2.3%	112,198	1.5%
2031	298.4	0.8%	127.0	0.8%	197.1	0.9%	4.61	-0.1%	15,401	2.3%	14,449	2.2%	113,779	1.4%
2032	300.7	0.7%	128.0	0.8%	199.0	1.0%	4.59	-0.5%	15,773	2.4%	14,770	2.2%	115,424	1.4%
2033	302.9	0.7%	128.9	0.8%	200.8	0.9%	4.57	-0.4%	16,143	2.3%	15,087	2.1%	117,008	1.4%
2034	305.1	0.7%	129.9	0.8%	202.4	0.8%	4.56	-0.3%	16,520	2.3%	15,407	2.1%	118,580	1.3%
2035	307.3	0.7%	130.9	0.8%	204.0	0.8%	4.55	-0.3%	16,909	2.3%	15,738	2.1%	120,181	1.3%
2036	309.4	0.7%	132.0	0.8%	205.7	0.8%	4.54	-0.2%	17,309	2.4%	16,070	2.1%	121,737	1.3%
Average Percent Change														
2006-2016	0.9%		0.9%		0.3%		-2.3%		1.1%		1.7%		0.7%	
2017-2026	0.9%		1.1%		1.1%		0.5%		2.3%		2.7%		1.6%	
2027-2036	0.8%		0.8%		0.9%		-0.2%		2.3%		2.2%		1.4%	







FMPA 2017 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	2007	1,422,669	-	1,434,944	-	0.9%	253.6	-	268.9	-	6.0%	313.9	-	304.3	-	-3.1%
	2008	1,359,556	-4.4%	1,363,184	-5.0%	0.3%	274.2	8.1%	264.4	-1.7%	-3.6%	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%	274.3	3.7%	-3.1%	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%	277.9	1.3%	-13.2%	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%	275.9	-0.7%	-0.5%	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%	246.2	-10.7%	-5.6%	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%	243.9	-0.9%	4.0%	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%	266.7	9.4%	5.4%	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%	271.0	1.6%	-1.6%	286.6	0.5%	306.2	5.1%	6.9%
	2016	1,336,499	3.2%	1,290,297	2.2%	-3.5%	250.9	-8.9%	272.3	0.5%	8.5%	289.3	0.9%	287.8	-6.0%	-0.5%
Projected	2017	1,325,378	-0.8%	1,325,378	2.7%		273.3	8.9%	273.3	0.4%		290.3	0.3%	290.3	0.8%	
	2018			1,338,965	1.0%				276.9	1.3%				294.1	1.3%	
	2019			1,354,747	1.2%				280.1	1.1%				297.4	1.1%	
	2020			1,370,207	1.1%				283.3	1.2%				300.8	1.2%	
	2021			1,386,189	1.2%				286.6	1.2%				304.3	1.2%	
	2022			1,401,728	1.1%				289.8	1.1%				307.7	1.1%	
	2023			1,417,181	1.1%				293.0	1.1%				311.1	1.1%	
	2024			1,432,564	1.1%				296.1	1.1%				314.5	1.1%	
	2025			1,447,875	1.1%				299.3	1.1%				317.8	1.1%	
	2026			1,462,858	1.0%				302.4	1.0%				321.1	1.0%	
	2027			1,477,805	1.0%				305.4	1.0%				324.3	1.0%	
	2028			1,492,592	1.0%				308.5	1.0%				327.6	1.0%	
	2029			1,507,334	1.0%				311.5	1.0%				330.8	1.0%	
	2030			1,521,866	1.0%				314.5	1.0%				334.0	1.0%	
	2031			1,536,344	1.0%				317.5	0.9%				337.1	0.9%	
	2032			1,550,710	0.9%				320.5	0.9%				340.3	0.9%	
	2033			1,564,891	0.9%				323.4	0.9%				343.4	0.9%	
	2034			1,578,797	0.9%				326.2	0.9%				346.4	0.9%	
	2035			1,592,694	0.9%				329.1	0.9%				349.5	0.9%	
	2036			1,606,682	0.9%				332.0	0.9%				352.5	0.9%	
CAGR <sup>[3]</sup>	2007-2016		-0.7%		-1.2%			-0.1%		0.1%			-0.9%		-0.6%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Ocala**  
**2017 v. 2016 (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	2007	1,422,669	-	1,422,669	-	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%	1,294,771	2.5%	275.5	286.6	275.5	286.6	275.5	286.6	275.5	286.6
	2016	1,336,499	3.2%	1,289,015	-0.4%	257.3	295.3	267.8	284.4	250.9	289.3	267.6	282.9
Projected	2017	1,325,378	-0.8%	1,307,573	1.4%	273.3	292.5	272.0	288.9	273.3	290.3	271.8	287.3
	2018	1,338,965	1.0%	1,326,324	1.4%	276.9	296.4	275.8	292.9	276.9	294.1	275.6	291.3
	2019	1,354,747	1.2%	1,342,771	1.2%	280.1	299.8	279.1	296.4	280.1	297.4	278.9	294.8
	2020	1,370,207	1.1%	1,358,949	1.2%	283.3	303.2	282.5	300.1	283.3	300.8	282.3	298.4
	2021	1,386,189	1.2%	1,375,875	1.2%	286.6	306.7	286.0	303.8	286.6	304.3	285.8	302.1
	2022	1,401,728	1.1%	1,392,191	1.2%	289.8	310.1	289.3	307.3	289.8	307.7	289.2	305.6
	2023	1,417,181	1.1%	1,408,346	1.2%	293.0	313.5	292.7	310.9	293.0	311.1	292.5	309.2
	2024	1,432,564	1.1%	1,424,466	1.1%	296.1	316.9	296.0	314.4	296.1	314.5	295.9	312.7
	2025	1,447,875	1.1%	1,440,425	1.1%	299.3	320.3	299.3	317.9	299.3	317.8	299.2	316.2
	2026	1,462,858	1.0%	1,456,130	1.1%	302.4	323.6	302.6	321.4	302.4	321.1	302.4	319.6
	2027	1,477,805	1.0%	1,471,859	1.1%	305.4	326.9	305.8	324.9	305.4	324.3	305.7	323.1
	2028	1,492,592	1.0%	1,487,507	1.1%	308.5	330.2	309.1	328.3	308.5	327.6	308.9	326.5
	2029	1,507,334	1.0%	1,503,029	1.0%	311.5	333.4	312.3	331.7	311.5	330.8	312.1	329.9
	2030	1,521,866	1.0%	1,518,270	1.0%	314.5	336.6	315.4	335.0	314.5	334.0	315.2	333.2
	2031	1,536,344	1.0%	1,533,191	1.0%	317.5	339.8	318.5	338.3	317.5	337.1	318.3	336.5
	2032	1,550,710	0.9%	1,547,977	1.0%	320.5	343.0	321.6	341.6	320.5	340.3	321.4	339.7
	2033	1,564,891	0.9%	1,562,570	0.9%	323.4	346.1	324.6	344.8	323.4	343.4	324.4	342.9
	2034	1,578,797	0.9%	1,576,908	0.9%	326.2	349.1	327.5	347.9	326.2	346.4	327.4	346.0
	2035	1,592,694	0.9%	1,591,189	0.9%	329.1	352.2	330.5	351.1	329.1	349.5	330.3	349.1
	2036	1,606,682	0.9%			332.0	355.3			332.0	352.5		
CAGR <sup>[1]</sup>	Historical		-0.7%		-1.2%	0.1%	-0.7%	0.9%	-1.2%	-1.1%	-0.2%	0.1%	-0.3%
	1st 10 Prj Yrs		1.1%		1.2%	1.1%	1.1%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
	2nd 10 Prj Yrs		0.9%		1.0%	0.9%	0.9%	1.0%	1.0%	0.9%	0.9%	1.0%	1.0%

[1] CAGR - Compound Annual Growth Rate



# FMPA 2017 Load Forecast - Base Case

## Ocala

### Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	104,337	97,959	95,903	1,305,632	1,294,771
	2016	101,483	92,404	94,922	96,968	115,946	133,360	142,024	136,711	124,481	110,917	92,758	104,432	1,346,407	1,336,499
Projected	2017	104,300	91,244	97,467	99,921	111,840	125,972	131,425	135,908	119,193	106,832	95,898	105,568	1,325,570	1,325,378
	2018	105,724	92,952	98,609	100,414	114,214	127,074	132,928	138,325	120,427	108,255	97,273	106,727	1,342,922	1,338,965
	2019	106,931	94,209	99,602	101,573	115,658	128,389	134,481	139,935	121,713	109,493	98,411	107,867	1,358,263	1,354,747
	2020	108,136	95,288	100,695	102,755	116,981	129,840	136,048	141,568	123,124	110,794	99,576	109,123	1,373,929	1,370,207
	2021	109,406	96,403	101,870	103,967	118,349	131,345	137,625	143,198	124,534	112,067	100,716	110,357	1,389,835	1,386,189
	2022	110,629	97,481	103,012	105,138	119,676	132,806	139,149	144,784	125,913	113,314	101,842	111,576	1,405,321	1,401,728
	2023	111,836	98,553	104,151	106,307	121,003	134,265	140,672	146,370	127,291	114,558	102,965	112,790	1,420,762	1,417,181
	2024	113,035	99,618	105,282	107,469	122,324	135,717	142,188	147,951	128,666	115,802	104,089	114,006	1,436,148	1,432,564
	2025	114,239	100,685	106,414	108,628	123,637	137,159	143,689	149,509	130,017	117,020	105,186	115,187	1,451,371	1,447,875
	2026	115,404	101,721	107,515	109,760	124,924	138,572	145,165	151,049	131,356	118,233	106,283	116,375	1,466,355	1,462,858
Projected	2027	116,578	102,761	108,618	110,890	126,205	139,979	146,630	152,574	132,680	119,427	107,360	117,538	1,481,240	1,477,805
	2028	117,729	103,784	109,705	112,008	127,475	141,376	148,090	154,096	134,003	120,624	108,441	118,709	1,496,040	1,492,592
	2029	118,887	104,810	110,792	113,122	128,739	142,764	149,536	155,601	135,309	121,803	109,505	119,857	1,510,724	1,507,334
	2030	120,021	105,817	111,862	114,220	129,986	144,134	150,966	157,091	136,604	122,974	110,563	121,001	1,525,239	1,521,866
	2031	121,151	106,821	112,929	115,316	131,230	145,500	152,391	158,575	137,893	124,140	111,616	122,137	1,539,698	1,536,344
	2032	122,273	107,818	113,987	116,403	132,463	146,854	153,802	160,045	139,171	125,295	112,659	123,264	1,554,036	1,550,710
	2033	123,385	108,805	115,034	117,477	133,681	148,188	155,191	161,490	140,424	126,427	113,682	124,364	1,568,145	1,564,891
	2034	124,469	109,769	116,058	118,529	134,875	149,497	156,556	162,912	141,660	127,546	114,693	125,455	1,582,018	1,578,797
	2035	125,547	110,729	117,080	119,581	136,070	150,811	157,929	164,344	142,907	128,676	115,715	126,561	1,595,951	1,592,694
	2036	126,640	111,699	118,111	120,639	137,272	152,131	159,306	165,779	144,154	129,802	116,733	127,660	1,609,926	1,606,682

### Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.5%	6.9%	7.0%	7.2%	8.6%	9.9%	10.5%	10.2%	9.2%	8.2%	6.9%	7.8%	100.0%
Projected	2017	7.9%	6.9%	7.4%	7.5%	8.4%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	8.0%	100.0%
	2018	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2019	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2020	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2021	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2022	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2023	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2024	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2025	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2026	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
Avg.	2007-2016	7.9%	7.0%	7.2%	7.4%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.5%	100.0%
	2017-2026	7.9%	6.9%	7.3%	7.5%	8.5%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%

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

FMPA 2017 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	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	231.5	237.6	189.4	275.5	286.6
	2016	257.3	250.9	205.3	234.5	260.7	289.1	295.3	290.5	261.9	246.0	191.8	219.0	257.3	295.3
Projected	2017	273.3	252.6	202.3	222.1	258.8	286.5	281.4	292.5	270.1	243.7	194.3	221.8	273.3	292.5
	2018	276.9	255.9	204.9	225.0	262.2	290.2	285.1	296.4	273.6	246.9	196.6	224.4	276.9	296.4
	2019	280.1	258.8	207.3	227.6	265.2	293.6	288.3	299.8	276.8	249.7	198.8	227.0	280.1	299.8
	2020	283.3	261.8	209.7	230.2	268.3	296.9	291.7	303.2	280.0	252.6	201.1	229.6	283.3	303.2
	2021	286.6	264.8	212.1	232.9	271.4	300.4	295.0	306.7	283.2	255.5	203.4	232.2	286.6	306.7
	2022	289.8	267.8	214.5	235.5	274.4	303.7	298.3	310.1	286.4	258.4	205.6	234.7	289.8	310.1
	2023	293.0	270.7	216.8	238.0	277.4	307.1	301.6	313.5	289.5	261.2	207.8	237.2	293.0	313.5
	2024	296.1	273.6	219.2	240.6	280.4	310.4	304.9	316.9	292.6	264.0	210.0	239.8	296.1	316.9
	2025	299.3	276.5	221.5	243.2	283.4	313.7	308.1	320.3	295.7	266.8	212.2	242.2	299.3	320.3
Projected	2026	302.4	279.4	223.8	245.7	286.3	316.9	311.3	323.6	298.8	269.6	214.4	244.7	302.4	323.6
	2027	305.4	282.2	226.1	248.2	289.2	320.1	314.4	326.9	301.8	272.3	216.5	247.1	305.4	326.9
	2028	308.5	285.1	228.3	250.7	292.1	323.3	317.6	330.2	304.8	275.1	218.6	249.6	308.5	330.2
	2029	311.5	287.9	230.6	253.1	295.0	326.5	320.7	333.4	307.8	277.8	220.7	252.0	311.5	333.4
	2030	314.5	290.6	232.8	255.6	297.8	329.7	323.8	336.6	310.8	280.4	222.8	254.4	314.5	336.6
	2031	317.5	293.4	235.0	258.0	300.7	332.8	326.8	339.8	313.7	283.1	224.9	256.7	317.5	339.8
	2032	320.5	296.1	237.2	260.4	303.5	335.9	329.9	343.0	316.7	285.7	226.9	259.1	320.5	343.0
	2033	323.4	298.8	239.3	262.7	306.2	338.9	332.9	346.1	319.5	288.3	228.9	261.3	323.4	346.1
	2034	326.2	301.4	241.4	265.1	308.9	341.9	335.8	349.1	322.4	290.9	231.0	263.6	326.2	349.1
Projected	2035	329.1	304.1	243.6	267.4	311.6	344.9	338.8	352.2	325.2	293.4	233.0	266.0	329.1	352.2
	2036	332.0	306.8	245.7	269.7	314.4	348.0	341.8	355.3	328.0	296.0	235.0	268.3	332.0	355.3

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.6%	55.4%	70.3%	54.1%	52.0%
Projected	2016	53.0%	52.9%	62.2%	55.6%	66.2%	62.0%	66.8%	63.3%	66.0%	60.6%	65.0%	66.2%	59.7%	52.1%
	2017	51.3%	53.8%	64.8%	60.5%	64.3%	59.1%	64.9%	62.4%	61.3%	58.9%	66.3%	66.1%	55.4%	51.7%
	2018	51.3%	54.1%	64.7%	60.0%	64.8%	58.8%	64.8%	62.7%	61.1%	58.9%	66.5%	66.1%	55.4%	51.7%
	2019	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.5%	66.0%	55.4%	51.7%
	2020	51.3%	52.3%	64.5%	60.0%	64.9%	58.8%	64.8%	62.8%	61.1%	59.0%	66.5%	66.0%	55.4%	51.7%
	2021	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.8%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%
	2022	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%
	2023	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%
	2024	51.3%	52.3%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%
Projected	2025	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%
	2026	51.3%	54.2%	64.6%	60.0%	64.9%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.1%	55.4%	51.7%
Avg.	2007-2016	53.7%	53.9%	62.0%	59.3%	67.6%	59.8%	65.1%	63.1%	63.2%	59.8%	60.9%	64.5%	55.4%	51.8%
	2017-2026	51.3%	53.7%	64.6%	60.1%	64.8%	58.8%	64.8%	62.7%	61.1%	58.9%	66.6%	66.0%	55.4%	51.7%

FMPA 2017 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	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	231.5	236.1	186.1	275.5	286.6
	2016	257.3	250.9	205.3	234.5	255.5	289.0	289.3	290.5	255.4	241.7	190.3	212.8	250.9	289.3
Projected	2017	273.3	252.6	193.3	216.7	252.5	284.4	276.0	290.3	265.7	239.4	192.8	215.6	273.3	290.3
	2018	276.9	255.9	195.8	219.6	255.8	288.1	279.6	294.1	269.2	242.6	195.0	218.0	276.9	294.1
	2019	280.1	258.8	198.1	222.1	258.7	291.4	282.8	297.4	272.2	245.3	197.3	220.5	280.1	297.4
	2020	283.3	261.8	200.3	224.6	261.7	294.7	286.1	300.8	275.4	248.2	199.5	223.1	283.3	300.8
	2021	286.6	264.8	202.7	227.2	264.7	298.1	289.4	304.3	278.6	251.0	201.8	225.6	286.6	304.3
	2022	289.8	267.8	204.9	229.8	267.7	301.5	292.6	307.7	281.7	253.8	204.0	228.0	289.8	307.7
	2023	293.0	270.7	207.2	232.3	270.6	304.8	295.8	311.1	284.8	256.6	206.2	230.5	293.0	311.1
	2024	296.1	273.6	209.4	234.8	273.5	308.1	299.0	314.5	287.9	259.4	208.4	233.0	296.1	314.5
	2025	299.3	276.5	211.6	237.3	276.4	311.3	302.2	317.8	290.9	262.1	210.5	235.4	299.3	317.8
	2026	302.4	279.4	213.8	239.8	279.3	314.6	305.3	321.1	293.9	264.9	212.7	237.8	302.4	321.1
Projected	2027	305.4	282.2	216.0	242.2	282.1	317.8	308.4	324.3	296.9	267.5	214.8	240.1	305.4	324.3
	2028	308.5	285.1	218.1	244.6	284.9	320.9	311.5	327.6	299.9	270.2	216.9	242.5	308.5	327.6
	2029	311.5	287.9	220.3	247.0	287.7	324.1	314.6	330.8	302.8	272.9	219.0	244.8	311.5	330.8
	2030	314.5	290.6	222.4	249.4	290.5	327.2	317.6	334.0	305.7	275.5	221.1	247.1	314.5	334.0
	2031	317.5	293.4	224.5	251.7	293.3	330.3	320.6	337.1	308.6	278.1	223.1	249.4	317.5	337.1
	2032	320.5	296.1	226.6	254.1	296.0	333.4	323.6	340.3	311.5	280.7	225.1	251.7	320.5	340.3
	2033	323.4	298.8	228.7	256.4	298.7	336.4	326.5	343.4	314.3	283.2	227.1	253.9	323.4	343.4
	2034	326.2	301.4	230.7	258.7	301.3	339.4	329.4	346.4	317.1	285.7	229.1	256.2	326.2	346.4
	2035	329.1	304.1	232.7	260.9	304.0	342.4	332.3	349.5	319.9	288.3	231.1	258.4	329.1	349.5
	2036	332.0	306.8	234.8	263.2	306.6	345.4	335.2	352.5	322.7	290.8	233.1	260.7	332.0	352.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	100.0%	99.4%	98.3%	100.0%	100.0%
	2016	100.0%	100.0%	100.0%	100.0%	98.0%	100.0%	98.0%	100.0%	97.5%	98.2%	99.2%	97.2%	97.5%	98.0%
Projected	2017	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2018	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2019	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2020	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2021	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2022	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2023	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2024	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2025	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2026	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%
	2007-2016	100.0%	99.5%	95.7%	98.3%	97.8%	99.6%	98.4%	99.7%	98.8%	98.9%	94.0%	95.5%	99.0%	99.5%
	2017-2026	100.0%	100.0%	95.5%	97.6%	97.5%	99.3%	98.1%	99.2%	98.4%	98.2%	99.2%	97.2%	100.0%	99.2%

FMPA 2017 Load Forecast - Base Case - Ocala

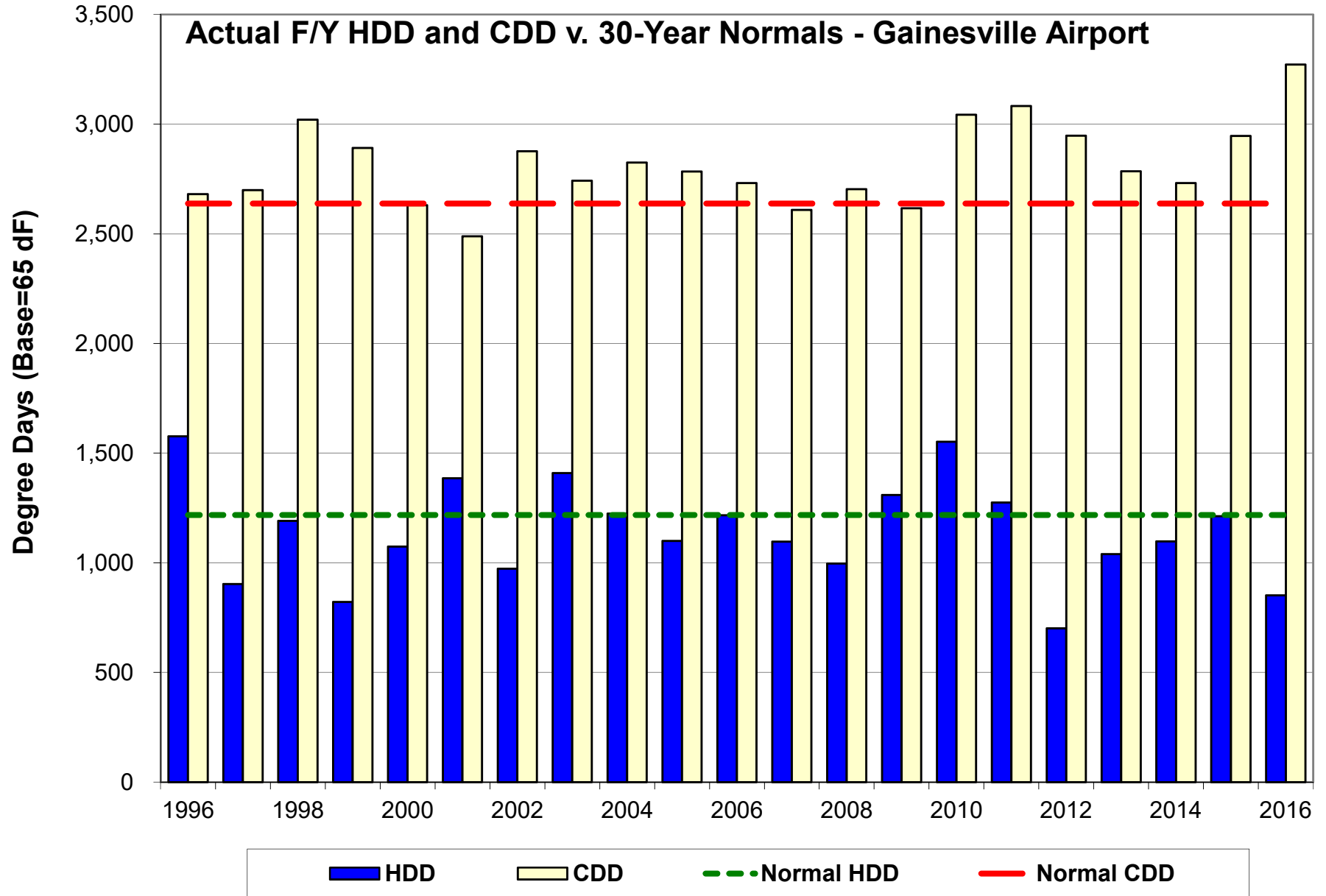
Historical and Projected - Energy Sales by Customer Class  
(Fiscal Year 2007-2036)

		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	%	%	LOSSES (MWh)	(MWh)	%
Historical	2007	539,639		42,234		12,777		150,413		7,242		20.8		658,620		1,214		542		11,972		15,483		1,376,127		46,542	1,422,669	
	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	505,680	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%
2016	532,510	4.2%	41,183	0.7%	12,930	3.5%	167,558	-0.9%	7,410	0.6%	22.6	-1.5%	562,681	6.4%	1,017	2.7%	553	3.6%	12,030	-1.0%	24,924	4.3%	1,299,703	4.4%	36,796	1,336,499	3.2%	
Projected	2017	523,280	-1.7%	41,892	1.7%	12,491	-3.4%	169,088	0.9%	7,496	1.2%	22.6	-0.2%	550,368	-2.2%	1,044	2.7%	527	-4.7%	12,030	0.0%	24,567	-1.4%	1,279,333	-1.6%	46,045	1,325,378	-0.8%
	2018	529,117	1.1%	42,543	1.6%	12,437	-0.4%	171,798	1.6%	7,617	1.6%	22.6	0.0%	554,603	0.8%	1,062	1.8%	522	-1.0%	12,030	0.0%	24,531	-0.1%	1,292,079	1.0%	46,886	1,338,965	1.0%
	2019	534,614	1.0%	42,989	1.0%	12,436	0.0%	174,631	1.6%	7,740	1.6%	22.6	0.0%	561,425	1.2%	1,080	1.7%	520	-0.5%	12,030	0.0%	24,632	0.4%	1,307,332	1.2%	47,415	1,354,747	1.2%
	2020	539,573	0.9%	43,377	0.9%	12,439	0.0%	177,506	1.6%	7,864	1.6%	22.6	0.0%	568,415	1.2%	1,099	1.7%	517	-0.4%	12,030	0.0%	24,734	0.4%	1,322,257	1.1%	47,950	1,370,207	1.1%
	2021	545,166	1.0%	43,793	1.0%	12,449	0.1%	180,394	1.6%	7,990	1.6%	22.6	0.0%	575,257	1.2%	1,117	1.7%	515	-0.4%	12,030	0.0%	24,834	0.4%	1,337,681	1.2%	48,509	1,386,189	1.2%
	2022	550,322	0.9%	44,169	0.9%	12,460	0.1%	183,290	1.6%	8,115	1.6%	22.6	0.0%	582,103	1.2%	1,135	1.6%	513	-0.4%	12,030	0.0%	24,931	0.4%	1,352,677	1.1%	49,051	1,401,728	1.1%
	2023	555,306	0.9%	44,527	0.8%	12,471	0.1%	186,210	1.6%	8,242	1.6%	22.6	0.0%	589,013	1.2%	1,153	1.6%	511	-0.4%	12,030	0.0%	25,028	0.4%	1,367,587	1.1%	49,593	1,417,181	1.1%
	2024	560,252	0.9%	44,879	0.8%	12,484	0.1%	189,122	1.6%	8,368	1.5%	22.6	0.0%	595,907	1.2%	1,171	1.6%	509	-0.4%	12,030	0.0%	25,121	0.4%	1,382,432	1.1%	50,132	1,432,564	1.1%
	2025	565,202	0.9%	45,231	0.8%	12,496	0.1%	192,019	1.5%	8,494	1.5%	22.6	0.0%	602,744	1.1%	1,189	1.5%	507	-0.4%	12,030	0.0%	25,211	0.4%	1,397,206	1.1%	50,669	1,447,875	1.1%
	2026	569,892	0.8%	45,559	0.7%	12,509	0.1%	194,928	1.5%	8,621	1.5%	22.6	0.0%	609,515	1.1%	1,207	1.5%	505	-0.4%	12,030	0.0%	25,299	0.3%	1,411,664	1.0%	51,194	1,462,858	1.0%
	2027	574,694	0.8%	45,896	0.7%	12,522	0.1%	197,827	1.5%	8,747	1.5%	22.6	0.0%	616,152	1.1%	1,225	1.5%	503	-0.4%	12,030	0.0%	25,384	0.3%	1,426,087	1.0%	51,718	1,477,805	1.0%
	2028	579,427	0.8%	46,228	0.7%	12,534	0.1%	200,721	1.5%	8,872	1.4%	22.6	0.0%	622,711	1.1%	1,242	1.4%	501	-0.4%	12,030	0.0%	25,466	0.3%	1,440,356	1.0%	52,236	1,492,592	1.0%
	2029	584,177	0.8%	46,562	0.7%	12,546	0.1%	203,606	1.4%	8,998	1.4%	22.6	0.0%	629,222	1.0%	1,260	1.4%	499	-0.4%	12,030	0.0%	25,546	0.3%	1,454,581	1.0%	52,753	1,507,334	1.0%
	2030	588,784	0.8%	46,885	0.7%	12,558	0.1%	206,471	1.4%	9,123	1.4%	22.6	0.0%	635,698	1.0%	1,278	1.4%	498	-0.4%	12,030	0.0%	25,621	0.3%	1,468,604	1.0%	53,262	1,521,866	1.0%
	2031	593,351	0.8%	47,207	0.7%	12,569	0.1%	209,295	1.4%	9,246	1.4%	22.6	0.0%	642,206	1.0%	1,295	1.4%	496	-0.3%	12,030	0.0%	25,692	0.3%	1,482,574	1.0%	53,769	1,536,344	1.0%
	2032	597,877	0.8%	47,527	0.7%	12,580	0.1%	212,074	1.3%	9,368	1.3%	22.6	0.0%	648,697	1.0%	1,312	1.3%	494	-0.3%	12,030	0.0%	25,759	0.3%	1,496,437	0.9%	54,273	1,550,710	0.9%
	2033	602,301	0.7%	47,841	0.7%	12,590	0.1%	214,836	1.3%	9,488	1.3%	22.6	0.0%	655,131	1.0%	1,329	1.3%	493	-0.3%	12,030	0.0%	25,822	0.2%	1,510,121	0.9%	54,770	1,564,891	0.9%
	2034	606,577	0.7%	48,144	0.6%	12,599	0.1%	217,603	1.3%	9,609	1.3%	22.6	0.0%	661,446	1.0%	1,346	1.3%	491	-0.3%	12,030	0.0%	25,884	0.2%	1,523,540	0.9%	55,257	1,578,797	0.9%
	2035	610,878	0.7%	48,450	0.6%	12,608	0.1%	220,410	1.3%	9,732	1.3%	22.6	0.0%	667,685	0.9%	1,363	1.3%	490	-0.3%	12,030	0.0%	25,946	0.2%	1,536,949	0.9%	55,745	1,592,694	0.9%
	2036	615,270	0.7%	48,764	0.6%	12,617	0.1%	223,260	1.3%	9,857	1.3%	22.7	0.0%	673,879	0.9%	1,380	1.3%	488	-0.3%	12,030	0.0%	26,008	0.2%	1,550,447	0.9%	56,235	1,606,682	0.9%
CAGR	2007-2016		-0.1%		-0.3%		0.1%		1.2%		0.3%		0.9%		-1.7%		-2.0%		0.2%		0.1%		5.4%		-0.6%			-0.7%
	2017-2026		1.0%		0.9%		0.0%		1.6%		1.6%		0.0%		1.1%		1.6%		-0.5%		0.0%		0.3%		1.1%		1.1%	
	2027-2036		0.8%		0.7%		0.1%		1.4%		1.3%		0.0%		1.0%		1.3%		-0.3%		0.0%		0.3%		0.9%		0.9%	

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	237.5	-	95.3	-	98.4	-	10.45	-	5,043	-	5,848	-	61,385	-
1997	244.1	2.8%	98.3	3.2%	102.4	4.1%	10.97	5.0%	5,222	3.6%	6,129	4.8%	62,346	1.6%
1998	250.6	2.6%	101.3	3.1%	107.4	4.9%	11.20	2.1%	5,503	5.4%	6,642	8.4%	65,547	5.1%
1999	255.6	2.0%	104.5	3.1%	110.7	3.1%	11.25	0.5%	5,704	3.6%	6,923	4.2%	66,275	1.1%
2000	260.7	2.0%	108.0	3.4%	114.0	3.0%	11.06	-1.8%	5,762	1.0%	7,249	4.7%	67,126	1.3%
2001	265.6	1.9%	111.0	2.8%	112.5	-1.3%	9.87	-10.7%	5,883	2.1%	7,435	2.6%	66,980	-0.2%
2002	272.8	2.7%	114.9	3.5%	115.7	2.8%	9.33	-5.5%	6,094	3.6%	7,481	0.6%	65,130	-2.8%
2003	281.6	3.2%	119.4	4.0%	121.4	5.0%	9.23	-1.0%	6,583	8.0%	7,842	4.8%	65,659	0.8%
2004	292.8	4.0%	124.6	4.3%	128.8	6.0%	9.60	4.0%	7,100	7.9%	8,444	7.7%	67,779	3.2%
2005	305.2	4.2%	130.1	4.4%	135.9	5.5%	9.95	3.6%	7,715	8.7%	9,125	8.1%	70,156	3.5%
2006	317.3	4.0%	134.8	3.6%	144.7	6.5%	9.88	-0.7%	8,326	7.9%	9,891	8.4%	73,386	4.6%
2007	325.9	2.7%	137.6	2.1%	147.8	2.1%	9.59	-3.0%	8,283	-0.5%	10,077	1.9%	73,239	-0.2%
2008	329.9	1.2%	138.4	0.6%	143.3	-3.0%	8.25	-13.9%	7,830	-5.5%	9,931	-1.4%	71,776	-2.0%
2009	330.9	0.3%	137.7	-0.5%	134.0	-6.5%	6.66	-19.3%	7,021	-10.3%	9,744	-1.9%	70,772	-1.4%
2010	331.6	0.2%	137.9	0.2%	130.4	-2.7%	6.41	-3.8%	6,968	-0.8%	9,974	2.4%	72,311	2.2%
2011	332.6	0.3%	138.5	0.4%	131.8	1.1%	6.44	0.5%	6,863	-1.5%	10,197	2.2%	73,639	1.8%
2012	334.3	0.5%	138.6	0.1%	133.8	1.5%	6.73	4.5%	6,780	-1.2%	10,124	-0.7%	73,067	-0.8%
2013	336.2	0.6%	137.7	-0.6%	136.5	2.0%	6.93	3.0%	6,873	1.4%	10,006	-1.2%	72,647	-0.6%
2014	339.4	1.0%	137.9	0.2%	140.1	2.7%	7.24	4.5%	7,120	3.6%	10,280	2.7%	74,525	2.6%
2015	343.7	1.3%	139.3	1.0%	142.9	2.0%	7.56	4.5%	7,340	3.1%	10,742	4.5%	77,113	3.5%
2016	349.0	1.5%	141.9	1.9%	145.8	2.0%	7.81	3.3%	7,553	2.9%	11,098	3.3%	78,184	1.4%
2017	354.4	1.6%	144.6	1.8%	148.7	2.0%	7.87	0.8%	7,873	4.2%	11,466	3.3%	79,315	1.4%
2018	359.9	1.6%	147.1	1.8%	151.6	1.9%	7.89	0.3%	8,186	4.0%	11,850	3.4%	80,546	1.6%
2019	365.6	1.6%	149.7	1.7%	154.4	1.9%	7.94	0.5%	8,464	3.4%	12,248	3.4%	81,840	1.6%
2020	371.3	1.6%	152.2	1.7%	157.2	1.8%	8.00	0.8%	8,756	3.4%	12,656	3.3%	83,167	1.6%
2021	377.0	1.6%	154.7	1.6%	160.1	1.8%	8.04	0.6%	9,036	3.2%	13,070	3.3%	84,497	1.6%
2022	382.9	1.5%	157.1	1.5%	163.0	1.8%	8.05	0.1%	9,374	3.7%	13,496	3.3%	85,934	1.7%
2023	388.8	1.5%	159.4	1.5%	165.9	1.8%	8.03	-0.2%	9,708	3.6%	13,930	3.2%	87,403	1.7%
2024	394.7	1.5%	161.7	1.4%	168.8	1.7%	8.00	-0.3%	10,012	3.1%	14,366	3.1%	88,868	1.7%
2025	400.8	1.5%	163.9	1.4%	171.7	1.7%	7.96	-0.5%	10,314	3.0%	14,813	3.1%	90,373	1.7%
2026	406.9	1.5%	166.2	1.4%	174.5	1.7%	7.93	-0.4%	10,627	3.0%	15,265	3.1%	91,867	1.7%
2027	413.1	1.5%	168.4	1.4%	177.4	1.6%	7.90	-0.4%	10,957	3.1%	15,724	3.0%	93,359	1.6%
2028	419.3	1.5%	170.7	1.3%	180.2	1.6%	7.84	-0.8%	11,306	3.2%	16,189	3.0%	94,846	1.6%
2029	425.6	1.5%	172.9	1.3%	183.1	1.6%	7.79	-0.6%	11,675	3.3%	16,659	2.9%	96,345	1.6%
2030	431.9	1.5%	175.1	1.3%	186.0	1.6%	7.75	-0.5%	12,043	3.2%	17,131	2.8%	97,830	1.5%
2031	438.3	1.5%	177.3	1.3%	188.9	1.6%	7.71	-0.6%	12,449	3.4%	17,601	2.7%	99,269	1.5%
2032	444.6	1.4%	179.5	1.2%	191.8	1.5%	7.64	-0.9%	12,852	3.2%	18,074	2.7%	100,712	1.5%
2033	450.9	1.4%	181.6	1.2%	194.6	1.5%	7.58	-0.8%	13,263	3.2%	18,553	2.7%	102,165	1.4%
2034	457.3	1.4%	183.7	1.2%	197.5	1.5%	7.52	-0.7%	13,688	3.2%	19,043	2.6%	103,647	1.5%
2035	463.6	1.4%	185.9	1.2%	200.3	1.4%	7.47	-0.7%	14,130	3.2%	19,552	2.7%	105,176	1.5%
2036	470.0	1.4%	188.1	1.2%	203.2	1.4%	7.42	-0.6%	14,589	3.2%	20,066	2.6%	106,651	1.4%
Average Percent Change														
2006-2016			1.0%	0.5%	0.1%	-2.3%	-1.0%	1.2%	0.6%					
2017-2026			1.5%	1.6%	1.8%	0.1%	3.4%	3.2%	1.6%					
2027-2036			1.5%	1.2%	1.5%	-0.7%	3.2%	2.8%	1.5%					



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FMPA 2017 Load Forecast - Base Case  
**Starke**  
 Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

Year		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	2007	79,065	-	79,905	-	1.1%	13.6	-	15.9	-	16.9%	17.2	-	16.8	-	-2.4%
	2008	76,955	-2.7%	77,313	-3.2%	0.5%	15.7	15.1%	15.4	-3.3%	-1.7%	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%	16.0	4.0%	-2.3%	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%	16.2	1.4%	-11.3%	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%	16.7	2.7%	3.6%	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%	14.4	-13.4%	-4.7%	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%	13.7	-5.0%	8.0%	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%	14.9	8.8%	9.0%	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%	16.1	7.8%	6.1%	15.6	2.0%	16.8	6.8%	8.1%
	2016	73,334	2.3%	70,392	1.0%	-4.0%	14.0	-7.7%	15.2	-5.6%	8.5%	15.5	-0.5%	15.6	-7.3%	0.6%
Projected	2017	72,368	-1.3%	72,368	2.8%		14.9	6.4%	14.9	-2.0%		15.4	-0.6%	15.4	-1.2%	
	2018			72,914	0.8%				15.0	0.8%				15.5	0.8%	
	2019			73,487	0.8%				15.1	0.8%				15.6	0.8%	
	2020			74,026	0.7%				15.2	0.7%				15.7	0.7%	
	2021			74,556	0.7%				15.3	0.7%				15.9	0.7%	
	2022			75,115	0.7%				15.5	0.8%				16.0	0.8%	
	2023			75,721	0.8%				15.6	0.8%				16.1	0.8%	
	2024			76,321	0.8%				15.7	0.8%				16.2	0.8%	
	2025			76,896	0.8%				15.8	0.8%				16.4	0.8%	
	2026			77,496	0.8%				15.9	0.8%				16.5	0.8%	
	2027			78,097	0.8%				16.1	0.8%				16.6	0.8%	
	2028			78,741	0.8%				16.2	0.8%				16.8	0.8%	
	2029			79,361	0.8%				16.3	0.8%				16.9	0.8%	
	2030			79,900	0.7%				16.4	0.7%				17.0	0.7%	
	2031			80,418	0.6%				16.5	0.6%				17.1	0.6%	
	2032			80,940	0.6%				16.7	0.6%				17.2	0.6%	
	2033			81,447	0.6%				16.8	0.6%				17.3	0.6%	
	2034			81,928	0.6%				16.9	0.6%				17.4	0.6%	
	2035			82,432	0.6%				17.0	0.6%				17.5	0.6%	
	2036			82,970	0.7%				17.1	0.7%				17.6	0.7%	
CAGR <sup>[3]</sup>	2007-2016		-0.8%		-1.4%			0.3%		-0.5%			-1.2%		-0.9%	
	2017-2026				0.8%					0.8%					0.8%	
	2027-2036				0.7%					0.7%					0.7%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[3] CAGR - Compound Annual Growth Rate

**FMPA 2017 Load Forecast - Base Case**  
**Starke**  
**2017 v. 2016 (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	2007	79,065	-	79,065	-	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%	71,692	2.5%	15.2	15.7	15.2	15.7	15.2	15.6	15.2	15.6
	2016	73,334	2.3%	71,519	-0.2%	14.5	15.6	15.1	16.2	14.0	15.5	14.7	15.2
Projected	2017	72,368	-1.3%	71,547	0.0%	15.2	15.7	15.0	16.1	14.9	15.4	14.6	15.2
	2018	72,914	0.8%	71,418	-0.2%	15.4	15.8	15.0	16.1	15.0	15.5	14.6	15.2
	2019	73,487	0.8%	71,641	0.3%	15.5	15.9	15.1	16.2	15.1	15.6	14.7	15.3
	2020	74,026	0.7%	72,139	0.7%	15.6	16.1	15.2	16.3	15.2	15.7	14.8	15.4
	2021	74,556	0.7%	72,730	0.8%	15.7	16.2	15.3	16.4	15.3	15.9	14.9	15.5
	2022	75,115	0.7%	73,227	0.7%	15.8	16.3	15.4	16.5	15.5	16.0	15.0	15.6
	2023	75,721	0.8%	73,601	0.5%	16.0	16.4	15.5	16.6	15.6	16.1	15.1	15.7
	2024	76,321	0.8%	73,988	0.5%	16.1	16.5	15.6	16.7	15.7	16.2	15.2	15.8
	2025	76,896	0.8%	74,392	0.5%	16.2	16.7	15.7	16.8	15.8	16.4	15.3	15.8
	2026	77,496	0.8%	74,747	0.5%	16.3	16.8	15.7	16.9	15.9	16.5	15.3	15.9
	2027	78,097	0.8%	75,088	0.5%	16.5	16.9	15.8	17.0	16.1	16.6	15.4	16.0
	2028	78,741	0.8%	75,398	0.4%	16.6	17.1	15.9	17.0	16.2	16.8	15.5	16.0
	2029	79,361	0.8%	75,678	0.4%	16.7	17.2	15.9	17.1	16.3	16.9	15.5	16.1
	2030	79,900	0.7%	75,940	0.3%	16.8	17.3	16.0	17.2	16.4	17.0	15.6	16.2
	2031	80,418	0.6%	76,090	0.2%	16.9	17.4	16.0	17.2	16.5	17.1	15.6	16.2
	2032	80,940	0.6%	76,396	0.4%	17.1	17.5	16.1	17.3	16.7	17.2	15.7	16.3
	2033	81,447	0.6%	76,717	0.4%	17.2	17.7	16.2	17.3	16.8	17.3	15.7	16.3
	2034	81,928	0.6%	77,055	0.4%	17.3	17.8	16.2	17.4	16.9	17.4	15.8	16.4
	2035	82,432	0.6%	77,365	0.4%	17.4	17.9	16.3	17.5	17.0	17.5	15.9	16.5
	2036	82,970	0.7%			17.5	18.0			17.1	17.6		
CAGR <sup>[1]</sup>	Historical		-0.8%		-1.2%	-0.2%	-1.2%	0.3%	-1.3%	-1.4%	-1.0%	-0.5%	-1.1%
	1st 10 Prj Yrs		0.8%		0.4%	0.8%	0.8%	0.4%	0.4%	0.8%	0.8%	0.4%	0.4%
	2nd 10 Prj Yrs		0.7%		0.4%	0.7%	0.7%	0.4%	0.4%	0.7%	0.7%	0.4%	0.4%

[1] CAGR - Compound Annual Growth Rate

FMPA 2017 Load Forecast - Base Case

**Starke**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	5,582	5,323	5,389	71,998	71,692
	2016	5,989	5,322	5,174	5,079	6,196	7,123	7,764	7,606	6,788	5,796	5,227	5,700	73,763	73,334
Projected	2017	5,906	4,998	5,247	5,195	6,199	6,761	7,357	7,304	6,678	5,772	5,287	5,749	72,454	72,368
	2018	5,960	5,041	5,292	5,238	6,248	6,815	7,416	7,362	6,733	5,820	5,331	5,796	73,052	72,914
	2019	6,007	5,081	5,334	5,280	6,297	6,867	7,471	7,417	6,786	5,866	5,373	5,838	73,617	73,487
	2020	6,049	5,118	5,374	5,321	6,345	6,917	7,524	7,468	6,834	5,909	5,412	5,879	74,149	74,026
	2021	6,089	5,153	5,413	5,361	6,392	6,967	7,577	7,521	6,883	5,953	5,453	5,921	74,683	74,556
	2022	6,131	5,190	5,453	5,402	6,441	7,021	7,635	7,578	6,937	6,000	5,497	5,967	75,252	75,115
	2023	6,179	5,231	5,498	5,447	6,494	7,078	7,697	7,639	6,994	6,051	5,543	6,016	75,866	75,721
	2024	6,228	5,273	5,542	5,491	6,546	7,134	7,756	7,697	7,047	6,097	5,585	6,060	76,453	76,321
	2025	6,273	5,312	5,584	5,533	6,595	7,188	7,814	7,755	7,101	6,144	5,629	6,107	77,035	76,896
	2026	6,321	5,353	5,627	5,576	6,647	7,244	7,875	7,815	7,157	6,192	5,673	6,154	77,634	77,496
Projected	2027	6,368	5,393	5,671	5,620	6,699	7,301	7,936	7,876	7,213	6,242	5,719	6,203	78,243	78,097
	2028	6,420	5,438	5,718	5,667	6,755	7,362	8,002	7,942	7,273	6,294	5,766	6,254	78,891	78,741
	2029	6,471	5,481	5,764	5,712	6,809	7,419	8,063	8,001	7,328	6,341	5,809	6,298	79,495	79,361
	2030	6,515	5,518	5,803	5,752	6,855	7,468	8,115	8,052	7,375	6,383	5,847	6,338	80,020	79,900
	2031	6,555	5,553	5,841	5,790	6,900	7,517	8,167	8,104	7,423	6,425	5,886	6,379	80,540	80,418
	2032	6,596	5,589	5,879	5,829	6,945	7,566	8,219	8,155	7,471	6,467	5,925	6,419	81,062	80,940
	2033	6,637	5,623	5,917	5,866	6,989	7,613	8,269	8,204	7,516	6,507	5,961	6,457	81,560	81,447
	2034	6,674	5,656	5,952	5,902	7,031	7,658	8,317	8,252	7,561	6,547	5,998	6,495	82,043	81,928
	2035	6,712	5,689	5,989	5,939	7,076	7,706	8,369	8,303	7,609	6,589	6,038	6,537	82,556	82,432
	2036	6,754	5,726	6,028	5,979	7,123	7,757	8,423	8,357	7,659	6,634	6,078	6,579	83,097	82,970

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.0%	7.4%	7.2%	7.5%	8.8%	9.7%	10.0%	9.9%	9.0%	7.8%	7.4%	7.5%	100.0%
	2016	8.1%	7.2%	7.0%	6.9%	8.4%	9.7%	10.5%	10.3%	9.2%	7.9%	7.1%	7.7%	100.0%
Projected	2017	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2018	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2019	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2020	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2021	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2022	8.1%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2023	8.1%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2024	8.1%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2025	8.1%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2026	8.1%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
Avg.	2007-2016	8.2%	7.1%	7.2%	7.2%	8.6%	9.6%	10.1%	10.3%	9.2%	7.9%	7.0%	7.7%	100.0%
	2017-2026	8.2%	6.9%	7.2%	7.2%	8.6%	9.3%	10.1%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%

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# FMPA 2017 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	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	12.3	12.7	10.0	15.2	15.7
	2016	14.5	14.0	11.3	12.2	14.0	15.1	15.5	15.6	13.8	12.8	10.9	13.0	14.5	15.6
Projected	2017	15.2	14.2	11.7	12.2	13.7	15.0	15.1	15.7	14.4	12.8	11.0	13.2	15.2	15.7
	2018	15.4	14.3	11.8	12.3	13.8	15.1	15.3	15.8	14.5	12.9	11.1	13.3	15.4	15.8
	2019	15.5	14.4	11.9	12.4	13.9	15.2	15.4	15.9	14.6	13.0	11.2	13.3	15.5	15.9
	2020	15.6	14.5	11.9	12.5	14.0	15.3	15.5	16.1	14.7	13.1	11.3	13.4	15.6	16.1
	2021	15.7	14.7	12.0	12.5	14.1	15.4	15.6	16.2	14.8	13.2	11.4	13.5	15.7	16.2
	2022	15.8	14.8	12.1	12.6	14.2	15.5	15.7	16.3	15.0	13.3	11.5	13.7	15.8	16.3
	2023	16.0	14.9	12.2	12.7	14.4	15.7	15.8	16.4	15.1	13.4	11.6	13.8	16.0	16.4
	2024	16.1	15.0	12.3	12.8	14.5	15.8	16.0	16.5	15.2	13.5	11.6	13.9	16.1	16.5
	2025	16.2	15.1	12.4	12.9	14.6	15.9	16.1	16.7	15.3	13.7	11.7	14.0	16.2	16.7
Projected	2026	16.3	15.2	12.5	13.0	14.7	16.0	16.2	16.8	15.4	13.8	11.8	14.1	16.3	16.8
	2027	16.5	15.3	12.6	13.1	14.8	16.1	16.3	16.9	15.6	13.9	11.9	14.2	16.5	16.9
	2028	16.6	15.5	12.7	13.3	14.9	16.3	16.5	17.1	15.7	14.0	12.0	14.3	16.6	17.1
	2029	16.7	15.6	12.8	13.4	15.1	16.4	16.6	17.2	15.8	14.1	12.1	14.4	16.7	17.2
	2030	16.8	15.7	12.9	13.4	15.2	16.5	16.7	17.3	15.9	14.2	12.2	14.5	16.8	17.3
	2031	16.9	15.8	13.0	13.5	15.3	16.6	16.8	17.4	16.0	14.3	12.3	14.6	16.9	17.4
	2032	17.1	15.9	13.0	13.6	15.3	16.7	16.9	17.5	16.1	14.4	12.3	14.7	17.1	17.5
	2033	17.2	16.0	13.1	13.7	15.4	16.8	17.0	17.7	16.2	14.5	12.4	14.8	17.2	17.7
	2034	17.3	16.1	13.2	13.8	15.5	16.9	17.1	17.8	16.3	14.5	12.5	14.9	17.3	17.8
	2035	17.4	16.2	13.3	13.9	15.6	17.0	17.2	17.9	16.4	14.6	12.6	15.0	17.4	17.9
	2036	17.5	16.3	13.4	14.0	15.7	17.2	17.4	18.0	16.5	14.7	12.6	15.1	17.5	18.0

### Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2007	54.8%	58.6%	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%
	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%	59.6%	59.6%	66.1%	63.9%	63.5%	60.8%	56.5%	75.0%	54.2%	52.4%
	2016	55.5%	54.6%	61.5%	55.8%	66.0%	63.4%	69.4%	65.4%	68.4%	60.9%	64.2%	60.7%	58.1%	53.9%
Projected	2017	52.1%	52.3%	60.5%	57.4%	67.2%	60.8%	67.5%	62.6%	64.4%	60.4%	64.4%	60.7%	54.3%	52.7%
	2018	52.1%	52.3%	60.5%	57.4%	67.2%	60.8%	67.5%	62.6%	64.4%	60.4%	64.4%	60.7%	54.3%	52.7%
	2019	52.1%	52.4%	60.5%	57.4%	67.2%	60.7%	67.5%	62.6%	64.4%	60.4%	64.4%	60.7%	54.3%	52.7%
	2020	52.1%	50.6%	60.5%	57.4%	67.3%	60.7%	67.5%	62.5%	64.4%	60.4%	64.5%	60.7%	54.3%	52.7%
	2021	52.1%	52.3%	60.5%	57.4%	67.3%	60.8%	67.5%	62.5%	64.4%	60.5%	64.4%	60.7%	54.3%	52.7%
	2022	52.0%	52.3%	60.5%	57.4%	67.3%	60.8%	67.5%	62.5%	64.4%	60.5%	64.4%	60.7%	54.3%	52.7%
	2023	52.0%	52.3%	60.5%	57.5%	67.3%	60.8%	67.5%	62.5%	64.4%	60.5%	64.5%	60.7%	54.3%	52.7%
	2024	52.0%	50.5%	60.5%	57.5%	67.3%	60.8%	67.4%	62.5%	64.4%	60.5%	64.5%	60.7%	54.3%	52.7%
	2025	52.0%	52.3%	60.5%	57.5%	67.3%	60.8%	67.4%	62.5%	64.4%	60.5%	64.5%	60.7%	54.3%	52.7%
Avg.	2007-2016	53.9%	54.9%	63.2%	60.3%	68.6%	61.4%	67.1%	64.8%	64.4%	59.9%	60.5%	63.8%	54.3%	52.8%
	2017-2026	52.1%	52.0%	60.5%	57.4%	67.3%	60.8%	67.5%	62.5%	64.4%	60.5%	64.4%	60.7%	54.3%	52.7%

FMPA 2017 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	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	12.2	12.5	9.9	15.2	15.6
	2016	14.0	14.0	11.3	12.2	13.9	14.9	15.5	15.6	13.3	12.1	10.6	12.0	14.0	15.5
Projected	2017	14.9	14.1	11.1	12.1	13.4	14.6	14.6	15.4	13.8	12.2	10.6	12.1	14.9	15.4
	2018	15.0	14.2	11.2	12.2	13.5	14.7	14.7	15.5	14.0	12.3	10.7	12.2	15.0	15.5
	2019	15.1	14.3	11.3	12.3	13.6	14.8	14.8	15.6	14.1	12.4	10.8	12.3	15.1	15.6
	2020	15.2	14.4	11.4	12.4	13.7	14.9	14.9	15.7	14.2	12.5	10.9	12.4	15.2	15.7
	2021	15.3	14.5	11.5	12.4	13.8	15.0	15.1	15.9	14.3	12.6	11.0	12.5	15.3	15.9
	2022	15.5	14.6	11.5	12.5	13.9	15.2	15.2	16.0	14.4	12.7	11.1	12.6	15.5	16.0
	2023	15.6	14.7	11.6	12.6	14.0	15.3	15.3	16.1	14.5	12.8	11.1	12.7	15.6	16.1
	2024	15.7	14.9	11.7	12.7	14.2	15.4	15.4	16.2	14.6	12.9	11.2	12.8	15.7	16.2
	2025	15.8	15.0	11.8	12.8	14.3	15.5	15.5	16.4	14.7	13.0	11.3	12.9	15.8	16.4
Projected	2026	15.9	15.1	11.9	12.9	14.4	15.6	15.6	16.5	14.8	13.1	11.4	13.0	15.9	16.5
	2027	16.1	15.2	12.0	13.0	14.5	15.8	15.8	16.6	14.9	13.2	11.5	13.1	16.1	16.6
	2028	16.2	15.3	12.1	13.1	14.6	15.9	15.9	16.8	15.1	13.3	11.6	13.2	16.2	16.8
	2029	16.3	15.5	12.2	13.2	14.7	16.0	16.0	16.9	15.2	13.4	11.7	13.3	16.3	16.9
	2030	16.4	15.6	12.3	13.3	14.8	16.1	16.1	17.0	15.3	13.5	11.7	13.4	16.4	17.0
	2031	16.5	15.7	12.4	13.4	14.9	16.2	16.2	17.1	15.4	13.6	11.8	13.4	16.5	17.1
	2032	16.7	15.8	12.4	13.5	15.0	16.3	16.3	17.2	15.5	13.6	11.9	13.5	16.7	17.2
	2033	16.8	15.9	12.5	13.6	15.1	16.4	16.4	17.3	15.6	13.7	12.0	13.6	16.8	17.3
	2034	16.9	15.9	12.6	13.7	15.2	16.5	16.5	17.4	15.7	13.8	12.0	13.7	16.9	17.4
	2035	17.0	16.0	12.7	13.8	15.3	16.6	16.6	17.5	15.8	13.9	12.1	13.8	17.0	17.5
	2036	17.1	16.2	12.7	13.8	15.4	16.7	16.7	17.6	15.9	14.0	12.2	13.9	17.1	17.6

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.1%	98.3%	99.4%	100.0%	99.1%
Projected	2016	96.8%	100.0%	100.0%	99.5%	99.6%	99.0%	99.7%	99.9%	96.7%	94.9%	96.4%	92.1%	96.5%	99.1%
	2017	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2018	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2019	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2020	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2021	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2022	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2023	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2024	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2025	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
	2026	97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%
2007-2016		98.2%	98.2%	94.2%	99.0%	97.9%	97.9%	97.0%	96.4%	97.4%	98.4%	90.3%	92.4%	96.6%	97.2%
2017-2026		97.6%	99.1%	95.3%	99.2%	97.8%	97.6%	96.5%	98.1%	96.1%	94.9%	96.4%	92.1%	97.6%	98.1%

# FMPA 2017 Load Forecast - Base Case - Starke

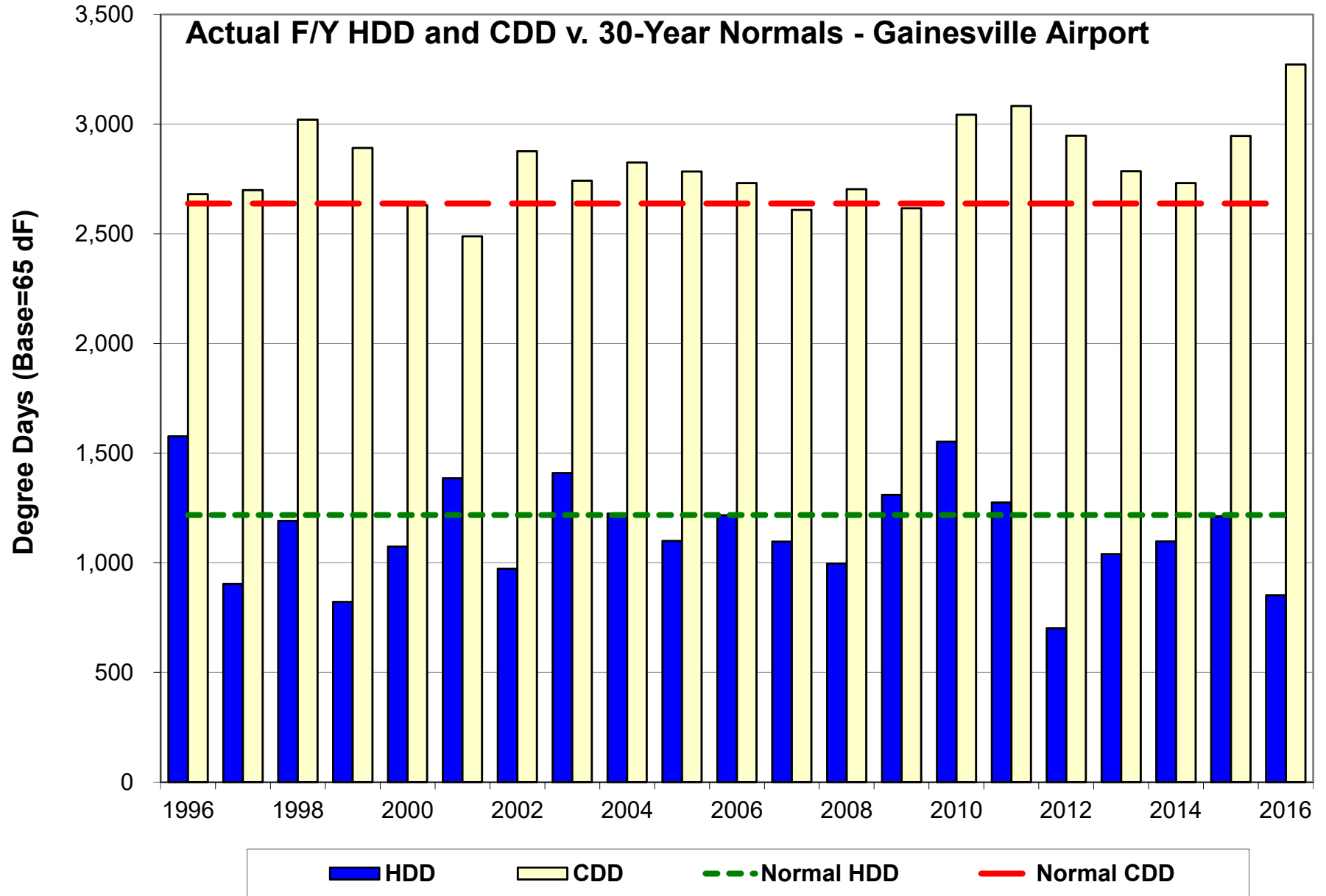
## Historical and Projected - Energy Sales by Customer Class (Fiscal Year 2007-2036)

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	2007	24,971		2,061		12,117		43,805		712		61.5		68,776		10,289	79,065	
	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%
	2016	24,071	3.3%	2,040	2.1%	11,800	1.2%	45,037	2.3%	735	-3.3%	61.3	5.8%	69,108	2.7%	4,226	73,334	2.3%
Projected	2017	23,840	-1.0%	2,043	0.1%	11,671	-1.1%	44,500	-1.2%	742	1.0%	59.9	-2.1%	68,340	-1.1%	4,028	72,368	-1.3%
	2018	23,933	0.4%	2,043	0.0%	11,717	0.4%	44,805	0.7%	760	2.4%	58.9	-1.7%	68,738	0.6%	4,177	72,914	0.8%
	2019	24,015	0.3%	2,043	0.0%	11,757	0.3%	45,262	1.0%	774	1.8%	58.5	-0.8%	69,277	0.8%	4,209	73,487	0.8%
	2020	24,045	0.1%	2,043	0.0%	11,772	0.1%	45,741	1.1%	787	1.6%	58.1	-0.6%	69,786	0.7%	4,240	74,026	0.7%
	2021	24,067	0.1%	2,043	0.0%	11,783	0.1%	46,218	1.0%	799	1.5%	57.9	-0.4%	70,285	0.7%	4,271	74,556	0.7%
	2022	24,139	0.3%	2,043	0.0%	11,818	0.3%	46,672	1.0%	809	1.4%	57.7	-0.4%	70,812	0.7%	4,303	75,115	0.7%
	2023	24,257	0.5%	2,043	0.0%	11,876	0.5%	47,126	1.0%	820	1.3%	57.5	-0.3%	71,383	0.8%	4,338	75,721	0.8%
	2024	24,377	0.5%	2,043	0.0%	11,935	0.5%	47,571	0.9%	830	1.3%	57.3	-0.3%	71,949	0.8%	4,372	76,321	0.8%
	2025	24,503	0.5%	2,043	0.0%	11,996	0.5%	47,989	0.9%	840	1.2%	57.1	-0.3%	72,491	0.8%	4,405	76,896	0.8%
	2026	24,644	0.6%	2,043	0.0%	12,065	0.6%	48,412	0.9%	850	1.2%	57.0	-0.3%	73,056	0.8%	4,440	77,496	0.8%
	2027	24,786	0.6%	2,043	0.0%	12,135	0.6%	48,837	0.9%	860	1.2%	56.8	-0.3%	73,623	0.8%	4,474	78,097	0.8%
	2028	24,955	0.7%	2,043	0.0%	12,218	0.7%	49,275	0.9%	870	1.2%	56.6	-0.3%	74,230	0.8%	4,511	78,741	0.8%
	2029	25,095	0.6%	2,043	0.0%	12,286	0.6%	49,720	0.9%	880	1.2%	56.5	-0.3%	74,815	0.8%	4,547	79,361	0.8%
	2030	25,172	0.3%	2,043	0.0%	12,324	0.3%	50,151	0.9%	891	1.2%	56.3	-0.3%	75,323	0.7%	4,577	79,900	0.7%
	2031	25,248	0.3%	2,043	0.0%	12,361	0.3%	50,563	0.8%	900	1.1%	56.2	-0.3%	75,811	0.6%	4,607	80,418	0.6%
	2032	25,329	0.3%	2,043	0.0%	12,401	0.3%	50,974	0.8%	910	1.1%	56.0	-0.3%	76,303	0.6%	4,637	80,940	0.6%
	2033	25,396	0.3%	2,043	0.0%	12,434	0.3%	51,385	0.8%	920	1.1%	55.8	-0.3%	76,781	0.6%	4,666	81,447	0.6%
	2034	25,450	0.2%	2,043	0.0%	12,460	0.2%	51,785	0.8%	930	1.0%	55.7	-0.3%	77,235	0.6%	4,694	81,928	0.6%
	2035	25,506	0.2%	2,043	0.0%	12,487	0.2%	52,203	0.8%	940	1.1%	55.6	-0.3%	77,709	0.6%	4,722	82,432	0.6%
	2036	25,576	0.3%	2,043	0.0%	12,522	0.3%	52,640	0.8%	950	1.1%	55.4	-0.3%	78,217	0.7%	4,753	82,970	0.7%
CAGR	2007-2016		-0.4%		-0.1%		-0.3%		0.3%		0.4%		0.0%		0.1%			-0.8%
	2017-2026		0.4%		0.0%		0.4%		0.9%		1.5%		-0.6%		0.7%			0.8%
	2027-2036		0.3%		0.0%		0.3%		0.8%		1.1%		-0.3%		0.7%			0.7%

CAGR - Compound Average Growth Rate.

**FMPA 2017 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
1996	25.1	-	8.0	-	8.3	-	0.51	-	430	-	521	-	65,197	-
1997	25.6	2.0%	8.2	2.2%	8.6	3.6%	0.76	47.9%	436	1.2%	556	6.8%	68,159	4.5%
1998	25.9	1.4%	8.3	1.6%	9.2	7.4%	0.61	-19.1%	451	3.5%	602	8.2%	72,627	6.6%
1999	25.9	0.0%	8.4	1.8%	9.5	3.2%	0.66	7.4%	469	4.1%	575	-4.6%	68,091	-6.2%
2000	26.1	0.6%	8.5	1.3%	9.5	0.3%	0.80	21.8%	473	0.8%	601	4.5%	70,242	3.2%
2001	26.1	0.1%	8.6	0.7%	9.6	1.5%	0.70	-13.2%	475	0.4%	627	4.3%	72,770	3.6%
2002	26.4	0.9%	8.7	1.6%	9.6	-0.8%	0.65	-6.7%	459	-3.4%	619	-1.2%	70,797	-2.7%
2003	27.1	2.8%	9.1	3.6%	10.0	4.7%	0.51	-22.2%	506	10.3%	641	3.5%	70,718	-0.1%
2004	27.8	2.4%	9.3	2.9%	10.4	3.4%	0.52	3.6%	542	7.2%	660	3.0%	70,778	0.1%
2005	28.1	1.4%	9.5	1.6%	10.6	2.4%	0.51	-3.5%	545	0.5%	663	0.5%	69,982	-1.1%
2006	28.5	1.4%	9.6	1.0%	11.1	4.7%	0.48	-5.0%	573	5.1%	666	0.5%	69,630	-0.5%
2007	28.9	1.2%	9.6	0.6%	11.3	1.5%	0.45	-6.7%	590	3.0%	666	0.0%	69,196	-0.6%
2008	28.9	0.3%	9.6	-0.3%	11.0	-2.2%	0.47	4.4%	577	-2.2%	665	-0.2%	69,291	0.1%
2009	29.0	0.1%	9.5	-0.8%	10.8	-2.0%	0.40	-15.2%	552	-4.3%	675	1.6%	70,924	2.4%
2010	28.5	-1.6%	9.5	-0.7%	10.5	-3.2%	0.30	-24.7%	551	-0.1%	682	0.9%	72,067	1.6%
2011	28.5	-0.2%	9.4	-1.0%	10.5	0.3%	0.25	-18.0%	541	-1.9%	693	1.7%	73,999	2.7%
2012	27.1	-4.7%	9.2	-1.7%	10.1	-3.6%	0.26	7.1%	513	-5.2%	676	-2.4%	76,013	2.7%
2013	26.9	-0.8%	9.2	0.1%	10.0	-1.0%	0.24	-8.5%	514	0.2%	676	0.0%	77,306	1.7%
2014	26.7	-0.8%	9.2	0.2%	9.9	-1.3%	0.25	3.5%	495	-3.7%	680	0.6%	78,418	1.4%
2015	27.0	1.1%	9.4	1.6%	10.1	1.8%	0.27	7.9%	500	1.0%	707	3.8%	80,133	2.2%
2016	27.3	0.9%	9.5	1.4%	10.1	0.3%	0.28	3.2%	526	5.4%	724	2.5%	81,016	1.1%
2017	27.5	1.0%	9.6	1.4%	10.2	1.1%	0.27	-1.2%	544	3.3%	741	2.3%	81,732	0.9%
2018	27.8	1.1%	9.8	1.4%	10.3	0.9%	0.27	-0.4%	560	2.9%	760	2.5%	82,689	1.2%
2019	28.1	1.0%	9.9	1.3%	10.4	0.9%	0.27	-0.4%	573	2.3%	781	2.8%	83,930	1.5%
2020	28.4	1.0%	10.0	1.3%	10.5	0.8%	0.27	0.1%	584	2.0%	803	2.7%	85,115	1.4%
2021	28.7	1.1%	10.2	1.3%	10.6	0.9%	0.27	-0.5%	597	2.2%	824	2.6%	86,197	1.3%
2022	29.0	1.1%	10.3	1.2%	10.7	1.2%	0.27	-1.0%	614	2.8%	845	2.6%	87,343	1.3%
2023	29.3	1.1%	10.4	1.2%	10.8	1.2%	0.26	-1.3%	631	2.7%	867	2.6%	88,501	1.3%
2024	29.6	1.0%	10.5	1.2%	10.9	1.0%	0.26	-1.4%	645	2.3%	887	2.4%	89,572	1.2%
2025	30.0	1.0%	10.7	1.1%	11.0	1.0%	0.26	-1.6%	659	2.2%	908	2.3%	90,650	1.2%
2026	30.3	1.0%	10.8	1.1%	11.2	1.1%	0.25	-1.2%	676	2.5%	929	2.3%	91,738	1.2%
2027	30.6	1.0%	10.9	1.1%	11.3	1.0%	0.25	-1.4%	693	2.5%	951	2.4%	92,887	1.3%
2028	30.9	1.1%	11.0	1.0%	11.4	1.0%	0.25	-1.7%	710	2.5%	974	2.4%	94,135	1.3%
2029	31.2	1.0%	11.1	1.0%	11.5	1.1%	0.24	-1.5%	728	2.5%	997	2.4%	95,407	1.4%
2030	31.5	1.0%	11.2	0.9%	11.6	1.1%	0.24	-1.4%	745	2.4%	1,019	2.3%	96,655	1.3%
2031	31.8	0.9%	11.3	0.8%	11.7	1.1%	0.24	-1.6%	764	2.5%	1,041	2.2%	97,932	1.3%
2032	32.0	0.8%	11.4	0.8%	11.9	1.2%	0.23	-1.9%	783	2.5%	1,064	2.2%	99,297	1.4%
2033	32.3	0.8%	11.5	0.7%	12.0	1.0%	0.23	-1.8%	801	2.2%	1,086	2.1%	100,666	1.4%
2034	32.5	0.7%	11.6	0.7%	12.1	0.9%	0.22	-1.7%	818	2.2%	1,109	2.1%	102,061	1.4%
2035	32.8	0.7%	11.7	0.7%	12.2	1.0%	0.22	-1.7%	837	2.3%	1,134	2.2%	103,538	1.4%
2036	33.0	0.8%	11.8	0.8%	12.4	1.1%	0.22	-1.5%	858	2.4%	1,159	2.2%	104,962	1.4%
Average Percent Change														
2006-2016		-0.5%	-0.1%		-1.0%		-5.3%		-0.8%		0.8%		1.5%	
2017-2026		1.1%	1.2%		1.0%		-0.8%		2.4%		2.5%		1.3%	
2027-2036		0.9%	0.9%		1.0%		-1.6%		2.4%		2.2%		1.4%	





Appendix E  
HIGH/LOW ECONOMIC SCENARIOS

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FMPA 2017 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	2007	7,209,394	-	7,191,917	-	-0.2%	1,202.3	-	1,306.8	-	8.7%	1,521.2	-	1,506.5	-	-1.0%
	2008	7,091,611	-1.6%	7,069,598	-1.7%	-0.3%	1,330.2	10.6%	1,338.8	2.5%	0.7%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,822,525	-3.5%	-0.4%	1,418.5	6.6%	1,317.8	-1.6%	-7.1%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,172,882	-9.5%	-4.6%	1,412.0	-0.5%	1,200.9	-8.9%	-15.0%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,923,008	-4.0%	-3.6%	1,258.3	-10.9%	1,250.6	4.1%	-0.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,943,517	0.3%	0.5%	1,096.7	-12.8%	1,100.8	-12.0%	0.4%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,931,424	-0.2%	0.3%	1,009.9	-7.9%	1,040.9	-5.4%	3.1%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,339	-4.6%	-1.3%	996.9	-1.3%	1,125.6	8.1%	12.9%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,627,970	-0.5%	-2.6%	1,128.5	13.2%	1,063.2	-5.5%	-5.8%	1,194.4	0.8%	1,250.8	4.9%	4.7%
	2016	5,981,790	3.5%	5,779,315	2.7%	-3.4%	1,006.1	-10.8%	1,084.0	2.0%	7.7%	1,267.7	6.1%	1,245.2	-0.4%	-1.8%
Projected	2017	5,916,411	-1.1%	5,916,411	2.4%		1,086.3	8.0%	1,086.3	0.2%		1,242.0	-2.0%	1,242.0	-0.3%	
	2018			6,060,771	2.4%				1,114.1	2.6%				1,273.5	2.5%	
	2019			6,189,376	2.1%				1,137.7	2.1%				1,300.0	2.1%	
	2020			6,298,920	1.8%				1,158.3	1.8%				1,323.7	1.8%	
	2021			6,400,385	1.6%				1,178.2	1.7%				1,346.1	1.7%	
	2022			6,507,210	1.7%				1,198.7	1.7%				1,368.4	1.7%	
	2023			6,607,586	1.5%				1,217.1	1.5%				1,390.1	1.6%	
	2024			6,709,436	1.5%				1,236.4	1.6%				1,412.1	1.6%	
	2025			6,801,901	1.4%				1,253.8	1.4%				1,431.7	1.4%	
	2026			6,894,753	1.4%				1,271.0	1.4%				1,451.9	1.4%	
	2027			6,987,567	1.3%				1,288.5	1.4%				1,472.1	1.4%	
	2028			7,085,848	1.4%				1,307.0	1.4%				1,493.3	1.4%	
	2029			7,169,882	1.2%				1,322.6	1.2%				1,511.4	1.2%	
	2030			7,256,742	1.2%				1,339.1	1.2%				1,530.2	1.2%	
	2031			7,343,049	1.2%				1,355.4	1.2%				1,548.9	1.2%	
	2032			7,433,381	1.2%				1,372.5	1.3%				1,568.5	1.3%	
	2033			7,511,295	1.0%				1,387.3	1.1%				1,585.4	1.1%	
	2034			7,593,690	1.1%				1,403.0	1.1%				1,603.3	1.1%	
	2035			7,676,517	1.1%				1,418.8	1.1%				1,621.4	1.1%	
	2036			7,676,952	0.0%				1,417.6	-0.1%				1,622.0	0.0%	
CAGR <sup>[3]</sup>	2007-2016		-2.1%		-2.4%			-2.0%		-2.1%			-2.0%		-2.1%	
	2017-2026				1.7%					1.8%					1.8%	
	2027-2036				1.1%					1.1%					1.1%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 30.3 MW beginning Jan-20

# FMPA 2017 Load Forecast - High Economic Case

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,904	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	477,199	447,017	436,736	5,876,322	5,777,052
	2016	434,986	397,529	428,066	436,669	517,921	586,159	645,813	615,145	558,551	493,205	412,253	439,527	5,965,823	5,981,790
Projected	2017	456,942	401,949	424,679	439,421	510,600	564,418	607,376	616,234	549,806	496,489	425,284	451,576	5,944,775	5,916,411
	2018	469,680	413,275	435,500	449,721	524,376	577,913	622,184	632,067	562,706	508,353	435,242	461,623	6,092,640	6,060,771
	2019	480,108	422,346	444,535	458,985	535,324	589,572	634,722	644,802	573,764	518,071	443,506	470,274	6,216,009	6,189,376
	2020	488,156	433,686	451,624	466,341	544,062	599,293	645,229	655,561	583,117	526,269	450,242	477,439	6,321,019	6,298,920
	2021	496,763	436,769	459,346	474,236	553,364	609,585	656,335	666,940	593,099	535,421	457,979	485,683	6,425,519	6,400,385
	2022	505,378	444,256	466,817	481,880	562,399	619,577	667,092	677,960	602,768	543,816	465,001	493,142	6,530,085	6,507,210
	2023	513,162	451,004	474,020	489,234	571,080	629,166	677,421	688,531	612,008	552,038	471,887	500,456	6,630,007	6,607,586
	2024	520,804	462,401	480,887	496,254	579,385	638,352	687,338	698,710	620,926	560,218	478,772	507,788	6,731,833	6,709,436
	2025	528,464	464,296	487,783	503,299	587,731	647,573	697,264	708,883	629,831	567,938	485,213	514,632	6,822,907	6,801,901
Projected	2026	535,625	470,503	494,407	510,071	595,763	656,468	706,881	718,765	638,486	575,663	491,683	521,537	6,915,853	6,894,753
	2027	542,858	476,777	500,973	516,788	603,741	665,316	716,465	728,629	647,137	583,398	498,163	528,470	7,008,715	6,987,567
	2028	550,153	488,265	507,580	523,541	611,766	674,210	726,079	738,486	655,737	591,037	504,515	535,215	7,106,584	7,085,848
	2029	557,185	489,178	513,923	529,995	619,395	682,632	735,152	747,791	663,864	598,272	510,576	541,683	7,189,647	7,169,882
	2030	563,972	495,061	520,068	536,281	626,863	690,914	744,111	757,009	671,931	605,466	516,600	548,112	7,276,387	7,256,742
	2031	570,719	500,909	526,186	542,532	634,287	699,145	753,009	766,158	679,928	612,589	522,559	554,466	7,362,485	7,343,049
	2032	577,379	512,180	532,193	548,665	641,566	707,208	761,718	775,109	687,750	619,555	528,391	560,684	7,452,397	7,433,381
	2033	583,895	512,319	538,119	554,717	648,747	715,160	770,307	783,938	695,463	626,421	534,142	566,816	7,530,045	7,511,295
	2034	590,336	517,897	543,938	560,668	655,824	723,015	778,807	792,695	703,129	633,260	539,879	572,943	7,612,393	7,593,690
Projected	2035	596,781	523,490	549,790	566,658	662,957	730,939	787,392	801,545	710,882	633,104	539,194	572,142	7,674,874	7,676,517
	2036	596,081	528,861	549,220	566,269	662,497	730,601	787,015	801,503	710,465	640,012	544,971	578,317	7,695,813	7,676,952

## Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.9%	9.1%	8.1%	7.6%	7.4%	100.0%
	2016	7.3%	6.7%	7.2%	7.3%	8.7%	9.8%	10.8%	10.3%	9.4%	8.3%	6.9%	7.4%	100.0%
Projected	2017	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.4%	7.2%	7.6%	100.0%
	2018	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2019	7.7%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2020	7.7%	6.9%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2021	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2022	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2023	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2024	7.7%	6.9%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2025	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.5%	8.8%	9.6%	10.2%	10.3%	9.3%	8.3%	6.9%	7.4%	100.0%
	2017-2026	7.7%	6.8%	7.1%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	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), Starke (Sep-35)

# FMPA 2017 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	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	1,045.8	1,029.8	883.0	1,149.5	1,229.4
	2016	1,061.1	1,047.8	943.2	1,040.4	1,121.9	1,247.3	1,291.2	1,260.1	1,168.4	1,091.3	883.6	901.7	1,061.1	1,291.2
Projected	2017	1,155.6	1,109.9	906.0	988.5	1,132.2	1,234.6	1,242.8	1,269.9	1,184.3	1,081.1	902.1	924.2	1,155.6	1,269.9
	2018	1,184.5	1,137.7	928.7	1,013.2	1,160.7	1,265.8	1,274.1	1,302.0	1,214.2	1,108.3	921.2	943.1	1,184.5	1,302.0
	2019	1,209.0	1,161.2	947.5	1,033.9	1,184.6	1,291.9	1,300.4	1,328.9	1,239.2	1,131.0	938.4	961.0	1,209.0	1,328.9
	2020	1,230.5	1,181.7	963.7	1,052.1	1,205.7	1,315.1	1,323.8	1,353.0	1,261.5	1,151.1	952.3	975.4	1,230.5	1,353.0
	2021	1,251.3	1,201.3	979.6	1,069.6	1,225.9	1,337.2	1,346.0	1,375.7	1,282.7	1,170.4	968.2	991.8	1,251.3	1,375.7
	2022	1,272.6	1,220.5	995.4	1,087.1	1,246.0	1,359.1	1,368.1	1,398.4	1,303.8	1,189.7	982.7	1,006.4	1,272.6	1,398.4
	2023	1,291.8	1,239.1	1,010.6	1,104.0	1,265.5	1,380.4	1,389.5	1,420.3	1,324.2	1,208.3	997.8	1,021.8	1,291.8	1,420.3
	2024	1,311.9	1,258.0	1,026.0	1,121.2	1,285.3	1,402.0	1,411.2	1,442.6	1,344.9	1,227.2	1,011.4	1,035.6	1,311.9	1,442.6
	2025	1,329.9	1,274.8	1,039.8	1,136.5	1,302.9	1,421.3	1,430.6	1,462.5	1,363.4	1,244.1	1,024.8	1,049.2	1,329.9	1,462.5
	2026	1,347.8	1,292.1	1,053.9	1,152.3	1,321.1	1,441.1	1,450.6	1,483.0	1,382.5	1,261.4	1,038.4	1,063.1	1,347.8	1,483.0
Projected	2027	1,366.0	1,309.2	1,068.0	1,168.0	1,339.2	1,460.8	1,470.4	1,503.4	1,401.4	1,278.7	1,052.8	1,077.7	1,366.0	1,503.4
	2028	1,385.1	1,327.3	1,082.8	1,184.6	1,358.2	1,481.6	1,491.4	1,524.9	1,421.5	1,297.0	1,064.9	1,090.1	1,385.1	1,524.9
	2029	1,401.4	1,342.7	1,095.4	1,198.7	1,374.4	1,499.3	1,509.2	1,543.2	1,438.4	1,312.5	1,077.7	1,103.1	1,401.4	1,543.2
	2030	1,418.5	1,358.8	1,108.6	1,213.3	1,391.3	1,517.8	1,527.7	1,562.2	1,456.2	1,328.6	1,090.3	1,116.0	1,418.5	1,562.2
	2031	1,435.4	1,374.8	1,121.6	1,227.9	1,408.1	1,536.1	1,546.2	1,581.2	1,473.8	1,344.7	1,103.5	1,129.5	1,435.4	1,581.2
	2032	1,453.1	1,391.4	1,135.3	1,243.1	1,425.7	1,555.2	1,565.5	1,601.0	1,492.2	1,361.5	1,114.8	1,141.1	1,453.1	1,601.0
	2033	1,468.3	1,405.9	1,147.0	1,256.3	1,440.8	1,571.8	1,582.2	1,618.1	1,508.1	1,376.0	1,127.0	1,153.5	1,468.3	1,618.1
	2034	1,484.6	1,421.3	1,159.5	1,270.2	1,456.9	1,589.4	1,599.8	1,636.2	1,525.0	1,391.3	1,139.2	1,166.0	1,484.6	1,636.2
	2035	1,501.0	1,436.7	1,172.1	1,284.3	1,473.1	1,607.1	1,617.7	1,654.5	1,542.0	1,391.2	1,138.8	1,163.3	1,501.0	1,654.5
	2036	1,499.9	1,435.8	1,171.3	1,284.5	1,473.7	1,607.8	1,618.3	1,655.0	1,542.6	1,407.8	1,150.2	1,174.9	1,499.9	1,655.0

### Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.3%	58.3%	68.7%	58.4%	54.6%
	2016	55.1%	54.5%	61.0%	56.4%	68.7%	63.2%	69.5%	65.6%	66.4%	60.7%	62.7%	67.7%	64.2%	52.7%
Projected	2017	53.1%	53.9%	63.0%	59.8%	67.1%	61.4%	67.9%	65.2%	64.5%	61.7%	63.4%	67.9%	58.7%	53.4%
	2018	53.3%	54.1%	63.0%	59.7%	67.2%	61.4%	67.8%	65.2%	64.4%	61.7%	63.5%	68.0%	58.7%	53.4%
	2019	53.4%	54.1%	63.1%	59.7%	67.2%	61.3%	67.8%	65.2%	64.3%	61.6%	63.5%	68.0%	58.7%	53.4%
	2020	53.3%	52.7%	63.0%	59.6%	67.1%	61.2%	67.7%	65.1%	64.2%	61.4%	63.6%	68.0%	58.6%	53.3%
	2021	53.4%	54.1%	63.0%	59.6%	67.2%	61.3%	67.7%	65.2%	64.2%	61.5%	63.6%	68.0%	58.6%	53.3%
	2022	53.4%	54.2%	63.0%	59.6%	67.2%	61.3%	67.7%	65.2%	64.2%	61.4%	63.6%	68.1%	58.6%	53.3%
	2023	53.4%	54.2%	63.0%	59.6%	67.2%	61.3%	67.7%	65.2%	64.2%	61.4%	63.6%	68.0%	58.6%	53.3%
	2024	53.4%	52.8%	63.0%	59.5%	67.1%	61.2%	67.6%	65.1%	64.1%	61.4%	63.6%	68.1%	58.6%	53.3%
	2025	53.4%	54.2%	63.1%	59.5%	67.1%	61.2%	67.7%	65.1%	64.2%	61.4%	63.6%	68.1%	58.6%	53.3%
	2026	53.4%	54.2%	63.1%	59.5%	67.1%	61.2%	67.7%	65.1%	64.1%	61.3%	63.6%	68.1%	58.6%	53.2%
Avg.	2007-2016	55.6%	56.3%	62.1%	60.4%	70.1%	62.3%	68.1%	66.0%	65.3%	61.6%	60.1%	65.9%	58.6%	53.6%
	2017-2026	53.3%	53.8%	63.0%	59.6%	67.2%	61.3%	67.7%	65.2%	64.2%	61.5%	63.6%	68.0%	58.6%	53.3%

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), Starke (Sep-35)

**FMPA 2017 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	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	1,029.9	1,009.9	853.9	1,128.5	1,194.4
	2016	1,001.8	1,006.1	909.0	1,024.0	1,068.4	1,216.1	1,247.7	1,247.5	1,112.4	1,060.9	812.0	842.7	1,006.1	1,267.7
Projected	2017	1,086.3	1,057.5	846.0	953.4	1,096.8	1,199.4	1,200.3	1,242.0	1,139.2	1,050.9	829.6	863.9	1,086.3	1,242.0
	2018	1,114.1	1,084.5	867.3	977.4	1,124.5	1,229.8	1,230.6	1,273.5	1,168.0	1,077.5	847.3	881.8	1,114.1	1,273.5
	2019	1,137.7	1,107.4	885.0	997.4	1,147.7	1,255.4	1,256.1	1,300.0	1,192.2	1,099.7	863.3	898.7	1,137.7	1,300.0
	2020	1,158.3	1,127.4	900.3	1,014.9	1,168.2	1,278.1	1,278.8	1,323.7	1,213.7	1,119.3	876.2	912.2	1,158.3	1,323.7
	2021	1,178.2	1,146.5	915.2	1,031.9	1,187.9	1,299.8	1,300.4	1,346.1	1,234.2	1,138.2	891.0	927.7	1,178.2	1,346.1
	2022	1,198.7	1,165.2	930.1	1,048.9	1,207.4	1,321.3	1,321.9	1,368.4	1,254.6	1,157.0	904.5	941.6	1,198.7	1,368.4
	2023	1,217.1	1,183.4	944.5	1,065.3	1,226.4	1,342.2	1,342.7	1,390.1	1,274.3	1,175.2	918.6	956.2	1,217.1	1,390.1
	2024	1,236.4	1,201.8	959.0	1,082.0	1,245.6	1,363.4	1,363.8	1,412.1	1,294.4	1,193.7	931.1	969.3	1,236.4	1,412.1
	2025	1,253.8	1,218.4	972.1	1,096.9	1,262.8	1,382.3	1,382.7	1,431.7	1,312.3	1,210.3	943.6	982.2	1,253.8	1,431.7
	2026	1,271.0	1,235.3	985.4	1,112.2	1,280.5	1,401.8	1,402.1	1,451.9	1,330.7	1,227.3	956.3	995.4	1,271.0	1,451.9
Projected	2027	1,288.5	1,252.1	998.8	1,127.4	1,298.1	1,421.2	1,421.4	1,472.1	1,349.1	1,244.3	969.7	1,009.3	1,288.5	1,472.1
	2028	1,307.0	1,269.8	1,012.8	1,143.6	1,316.7	1,441.7	1,441.8	1,493.3	1,368.4	1,262.2	981.0	1,021.1	1,307.0	1,493.3
	2029	1,322.6	1,284.9	1,024.7	1,157.2	1,332.4	1,459.1	1,459.1	1,511.4	1,384.9	1,277.3	992.9	1,033.5	1,322.6	1,511.4
	2030	1,339.1	1,300.7	1,037.2	1,171.5	1,348.9	1,477.2	1,477.2	1,530.2	1,402.0	1,293.2	1,004.7	1,045.8	1,339.1	1,530.2
	2031	1,355.4	1,316.4	1,049.5	1,185.6	1,365.2	1,495.3	1,495.2	1,548.9	1,419.1	1,308.9	1,017.0	1,058.6	1,355.4	1,548.9
	2032	1,372.5	1,332.8	1,062.4	1,200.4	1,382.3	1,514.1	1,514.0	1,568.5	1,436.9	1,325.4	1,027.6	1,069.6	1,372.5	1,568.5
	2033	1,387.3	1,347.1	1,073.6	1,213.2	1,397.1	1,530.4	1,530.2	1,585.4	1,452.3	1,339.6	1,038.9	1,081.4	1,387.3	1,585.4
	2034	1,403.0	1,362.1	1,085.4	1,226.7	1,412.7	1,547.7	1,547.4	1,603.3	1,468.6	1,354.6	1,050.3	1,093.3	1,403.0	1,603.3
	2035	1,418.8	1,377.4	1,097.3	1,240.3	1,428.5	1,565.1	1,564.8	1,621.4	1,485.1	1,354.9	1,049.5	1,091.3	1,418.8	1,621.4
	2036	1,417.6	1,376.3	1,096.5	1,240.2	1,429.1	1,566.0	1,565.5	1,622.0	1,485.8	1,371.3	1,060.1	1,102.3	1,417.6	1,622.0

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.5%	98.1%	96.7%	98.2%	97.2%
	2016	94.4%	96.0%	96.4%	98.4%	95.2%	97.5%	98.2%	99.0%	95.2%	97.2%	91.9%	93.5%	94.8%	98.2%
Projected	2017	94.0%	95.3%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.0%	97.8%
	2018	94.1%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2019	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2020	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2021	94.2%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.2%	97.8%
	2022	94.2%	95.5%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2023	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.1%	93.6%	94.2%	97.9%
	2024	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.1%	93.6%	94.2%	97.9%
	2025	94.3%	95.6%	93.5%	96.5%	96.9%	97.3%	96.6%	97.9%	96.2%	97.3%	92.1%	93.6%	94.3%	97.9%
	2026	94.3%	95.6%	93.5%	96.5%	96.9%	97.3%	96.7%	97.9%	96.3%	97.3%	92.1%	93.6%	94.3%	97.9%
	2007-2016	95.4%	94.7%	93.6%	95.6%	96.8%	97.0%	96.6%	97.5%	96.0%	97.3%	92.5%	92.6%	96.1%	97.6%
	2017-2026	94.2%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%

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), Starke (Sep-35)

FMPA 2017 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	2007	3,720,003	-	3,687,774	-	-0.9%	588.1	-	646.5	-	9.9%	750.9	-	746.3	-	-0.6%
	2008	3,682,412	-1.0%	3,641,591	-1.3%	-1.1%	670.8	14.1%	689.6	6.7%	2.8%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,504,521	-3.8%	-0.3%	709.9	5.8%	648.9	-5.9%	-8.6%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,920,109	-16.7%	-4.1%	631.0	-11.1%	516.3	-20.4%	-18.2%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,712,828	-7.1%	-3.3%	544.4	-13.7%	547.1	6.0%	0.5%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,728,592	0.6%	0.7%	469.7	-13.7%	482.2	-11.8%	2.7%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,709,186	-0.7%	0.6%	425.0	-9.5%	447.8	-7.2%	5.4%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,291	-11.6%	-1.7%	384.4	-9.5%	434.0	-3.1%	12.9%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,314,553	-3.4%	-2.2%	456.4	18.7%	408.2	-6.0%	-10.6%	444.3	-1.7%	466.8	1.5%	5.1%
	2016	2,436,956	3.0%	2,366,496	2.2%	-2.9%	384.8	-15.7%	423.0	3.6%	9.9%	484.9	9.1%	472.0	1.1%	-2.7%
Projected	2017	2,401,476	-1.5%	2,401,476	1.5%		404.3	5.1%	404.3	-4.4%		467.4	-3.6%	467.4	-1.0%	
	2018			2,444,564	1.8%				411.8	1.8%				475.6	1.8%	
	2019			2,478,554	1.4%				418.0	1.5%				482.2	1.4%	
	2020			2,499,748	0.9%				422.0	0.9%				486.6	0.9%	
	2021			2,522,737	0.9%				427.0	1.2%				491.8	1.1%	
	2022			2,547,183	1.0%				431.9	1.2%				496.0	0.9%	
	2023			2,566,574	0.8%				435.0	0.7%				500.0	0.8%	
	2024			2,584,937	0.7%				438.6	0.8%				503.6	0.7%	
	2025			2,603,227	0.7%				442.0	0.8%				507.0	0.7%	
	2026			2,618,637	0.6%				444.6	0.6%				510.2	0.6%	
	2027			2,633,956	0.6%				447.5	0.6%				513.2	0.6%	
	2028			2,648,936	0.6%				450.3	0.6%				516.2	0.6%	
	2029			2,663,175	0.5%				453.0	0.6%				519.1	0.6%	
	2030			2,676,987	0.5%				455.7	0.6%				521.8	0.5%	
	2031			2,690,396	0.5%				458.3	0.6%				524.5	0.5%	
	2032			2,703,936	0.5%				460.9	0.6%				527.3	0.5%	
	2033			2,716,945	0.5%				463.5	0.5%				529.9	0.5%	
	2034			2,729,923	0.5%				466.1	0.6%				532.6	0.5%	
	2035			2,742,608	0.5%				468.6	0.5%				535.1	0.5%	
	2036			2,666,176	-2.8%				452.9	-3.4%				518.8	-3.1%	
CAGR <sup>[3]</sup>	2007-2016		-4.6%		-4.8%			-4.6%		-4.6%			-4.7%		-5.0%	
	2017-2026				1.0%					1.1%					1.0%	
	2027-2036				0.1%					0.1%					0.1%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 30.3 MW beginning Jan-20

**FMPA 2017 Load Forecast - High Economic Case**  
**FP&L Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	198,016	185,657	180,873	2,413,205	2,366,430
	2016	176,709	160,492	176,455	177,928	209,878	234,796	261,639	250,374	224,138	202,377	170,711	173,948	2,419,445	2,436,956
Projected	2017	183,943	165,505	171,744	179,660	205,345	228,225	247,695	248,011	224,312	203,966	174,684	178,293	2,411,383	2,401,476
	2018	188,247	169,056	175,004	182,975	208,964	232,037	251,737	251,926	227,674	207,132	177,341	180,955	2,453,048	2,444,564
	2019	191,072	171,433	177,370	185,365	211,738	235,115	255,025	255,253	230,756	209,659	179,530	183,205	2,485,520	2,478,554
	2020	192,524	172,828	178,478	186,578	213,255	236,953	257,037	257,237	232,463	210,986	180,490	184,150	2,502,979	2,499,748
	2021	194,701	174,542	180,292	188,430	215,399	239,376	259,676	259,873	234,823	213,304	182,494	186,200	2,529,109	2,522,737
	2022	196,910	176,471	181,886	190,069	217,298	241,518	261,979	262,167	236,887	214,890	183,822	187,524	2,551,421	2,547,183
	2023	198,365	177,732	183,298	191,518	218,976	243,424	264,057	264,234	238,734	216,505	185,184	188,897	2,570,924	2,566,574
	2024	199,882	179,207	184,548	192,801	220,463	245,116	265,901	266,066	240,368	218,148	186,590	190,310	2,589,399	2,584,937
	2025	201,421	180,383	185,812	194,095	221,974	246,826	267,745	267,903	242,021	219,386	187,626	191,341	2,606,532	2,603,227
	2026	202,577	181,379	186,927	195,238	223,308	248,352	269,417	269,572	243,514	220,688	188,726	192,452	2,622,150	2,618,637
Projected	2027	203,817	182,447	187,986	196,324	224,577	249,808	271,016	271,170	244,945	221,941	189,788	193,530	2,637,349	2,633,956
	2028	205,027	183,657	189,002	197,367	225,799	251,214	272,562	272,717	246,332	223,149	190,808	194,560	2,652,195	2,648,936
	2029	206,186	184,482	190,006	198,393	227,000	252,596	274,077	274,231	247,685	224,325	191,803	195,565	2,666,350	2,663,175
	2030	207,322	185,454	190,951	199,360	228,136	253,906	275,519	275,673	248,974	225,442	192,745	196,515	2,679,996	2,676,987
	2031	208,404	186,380	191,867	200,301	229,246	255,195	276,942	277,102	250,257	226,560	193,696	197,479	2,693,429	2,690,396
	2032	209,500	187,484	192,780	201,236	230,350	256,473	278,350	278,511	251,517	227,652	194,619	198,409	2,706,881	2,703,936
	2033	210,563	188,221	193,688	202,164	231,446	257,744	279,751	279,916	252,772	228,737	195,539	199,339	2,719,881	2,716,945
	2034	211,633	189,133	194,566	203,064	232,512	258,985	281,122	281,290	254,001	229,801	196,439	200,247	2,732,793	2,729,923
	2035	212,676	190,020	195,429	203,945	233,556	260,199	282,462	282,633	255,202	223,764	190,832	194,130	2,724,847	2,742,608
	2036	206,474	184,926	189,794	198,376	226,923	253,059	274,743	274,993	248,161	224,731	191,647	194,951	2,668,779	2,666,176

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.2%	6.6%	7.4%	7.9%	8.9%	9.5%	10.1%	9.9%	9.1%	8.2%	7.7%	7.5%	100.0%
	2016	7.3%	6.6%	7.3%	7.4%	8.7%	9.7%	10.8%	10.3%	9.3%	8.4%	7.1%	7.2%	100.0%
Projected	2017	7.6%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.5%	7.2%	7.4%	100.0%
	2018	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2019	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2020	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2021	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.4%	100.0%
	2022	7.7%	6.9%	7.1%	7.4%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2023	7.7%	6.9%	7.1%	7.4%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2024	7.7%	6.9%	7.1%	7.4%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2025	7.7%	6.9%	7.1%	7.4%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2026	7.7%	6.9%	7.1%	7.4%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.2%	10.3%	9.3%	8.4%	7.0%	7.3%	100.0%
	2017-2026	7.7%	6.9%	7.1%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	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), Starke (Sep-35)



**FMPA 2017 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	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	408.9	401.6	358.8	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	422.2	373.3	367.0	437.5	501.8
Projected	2017	456.7	464.4	365.1	385.8	437.3	474.8	486.9	486.4	456.6	416.7	376.5	373.6	464.4	486.9
	2018	464.9	472.9	371.5	392.5	445.0	483.1	495.4	495.0	464.6	423.9	382.4	378.9	472.9	495.4
	2019	471.6	479.9	376.5	397.7	451.0	489.7	502.2	501.7	470.9	429.6	386.9	383.6	479.9	502.2
	2020	476.1	484.6	379.4	400.9	454.9	494.1	506.8	506.3	475.1	433.2	389.5	386.3	484.6	506.8
	2021	481.5	490.1	383.3	405.0	459.7	499.3	512.3	511.7	480.1	437.7	393.6	390.6	490.1	512.3
	2022	486.9	494.5	386.6	408.4	463.6	503.6	516.7	516.1	484.2	441.4	396.5	393.3	494.5	516.7
	2023	490.4	498.6	389.6	411.6	467.3	507.6	520.8	520.2	488.0	444.9	399.6	396.3	498.6	520.8
	2024	494.3	502.5	392.3	414.5	470.7	511.2	524.7	524.0	491.6	448.0	402.4	399.2	502.5	524.7
	2025	497.9	506.0	394.9	417.2	473.8	514.6	528.2	527.5	494.9	451.0	404.7	401.4	506.0	528.2
Projected	2026	500.8	509.4	397.3	419.8	476.7	517.8	531.5	530.8	497.9	453.7	407.1	403.8	509.4	531.5
	2027	503.9	512.6	399.6	422.2	479.5	520.9	534.7	533.9	500.9	456.4	409.5	406.2	512.6	534.7
	2028	507.0	515.8	401.8	424.5	482.2	523.9	537.8	537.0	503.7	458.9	411.7	408.4	515.8	537.8
	2029	509.8	518.8	404.0	426.8	484.9	526.7	540.8	539.9	506.5	461.4	413.9	410.6	518.8	540.8
	2030	512.7	521.8	406.0	429.0	487.4	529.5	543.7	542.8	509.2	463.8	416.0	412.8	521.8	543.7
	2031	515.5	524.7	408.0	431.1	489.9	532.2	546.6	545.6	511.8	466.1	418.1	415.0	524.7	546.6
	2032	518.4	527.6	410.1	433.3	492.4	535.0	549.4	548.4	514.4	468.5	420.2	417.1	527.6	549.4
	2033	521.1	530.5	412.0	435.3	494.8	537.6	552.2	551.1	517.0	470.7	422.3	419.2	530.5	552.2
	2034	523.9	533.4	414.0	437.4	497.2	540.3	555.0	553.8	519.5	473.0	424.3	421.3	533.4	555.0
Projected	2035	526.6	536.2	415.9	439.4	499.6	542.8	557.7	556.5	522.0	459.5	412.8	407.3	536.2	557.7
	2036	510.5	521.5	403.4	426.4	485.0	527.0	541.7	539.8	506.7	461.6	414.6	409.1	521.5	541.7

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	65.1%	62.1%	70.0%	57.8%	57.6%
Projected	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	64.4%	61.5%	65.8%	63.1%	55.0%
	2017	54.1%	53.0%	63.2%	62.6%	69.9%	64.6%	70.7%	68.5%	68.2%	65.8%	62.4%	66.3%	59.3%	56.5%
	2018	54.4%	53.2%	63.3%	62.7%	69.9%	64.6%	70.6%	68.4%	68.1%	65.7%	62.3%	66.3%	59.2%	56.5%
	2019	54.5%	53.2%	63.3%	62.7%	69.9%	64.5%	70.5%	68.4%	68.1%	65.6%	62.4%	66.3%	59.1%	56.5%
	2020	54.4%	51.2%	63.2%	62.6%	69.8%	64.5%	70.4%	68.3%	68.0%	65.5%	62.3%	66.2%	59.0%	56.4%
	2021	54.3%	53.0%	63.2%	62.5%	69.7%	64.4%	70.4%	68.3%	67.9%	65.5%	62.3%	66.2%	58.9%	56.4%
	2022	54.4%	53.1%	63.2%	62.5%	69.7%	64.5%	70.4%	68.3%	67.9%	65.4%	62.3%	66.2%	58.9%	56.4%
	2023	54.4%	53.0%	63.2%	62.5%	69.7%	64.5%	70.4%	68.3%	67.9%	65.4%	62.3%	66.2%	58.9%	56.3%
	2024	54.4%	51.2%	63.2%	62.5%	69.7%	64.4%	70.4%	68.3%	67.9%	65.4%	62.3%	66.2%	58.8%	56.3%
Projected	2025	54.4%	53.0%	63.2%	62.5%	69.7%	64.5%	70.4%	68.3%	67.9%	65.4%	62.3%	66.2%	58.8%	56.3%
	2026	54.4%	53.0%	63.2%	62.5%	69.7%	64.5%	70.4%	68.3%	67.9%	65.4%	62.3%	66.2%	58.8%	56.3%
Avg.	2007-2016	55.7%	56.4%	62.6%	62.9%	73.1%	65.0%	70.7%	69.1%	67.8%	64.7%	60.1%	65.6%	58.8%	56.1%
	2017-2026	54.4%	52.7%	63.2%	62.6%	69.8%	64.5%	70.5%	68.3%	68.0%	65.5%	62.3%	66.2%	59.0%	56.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	397.9	390.9	340.3	456.4	444.3
	2016	383.2	384.8	358.7	388.2	394.5	457.4	484.9	474.4	425.5	402.0	327.1	330.4	384.8	484.9
Projected	2017	404.3	417.3	333.0	364.9	419.2	449.6	462.0	467.4	430.8	396.8	330.2	336.4	404.3	467.4
	2018	411.8	425.1	338.8	371.2	426.6	457.5	470.2	475.6	438.3	403.6	335.4	341.2	411.8	475.6
	2019	418.0	431.7	343.4	376.1	432.3	463.7	476.6	482.2	444.3	409.0	339.5	345.6	418.0	482.2
	2020	422.0	436.0	346.0	379.0	436.0	467.9	481.0	486.6	448.2	412.4	341.6	347.9	422.0	486.6
	2021	427.0	441.1	349.7	382.9	440.7	472.8	486.1	491.8	453.0	416.7	345.3	351.8	427.0	491.8
	2022	431.9	445.1	352.7	386.1	444.4	476.9	490.4	496.0	456.9	420.2	347.8	354.3	431.9	496.0
	2023	435.0	448.9	355.4	389.1	447.9	480.6	494.3	500.0	460.5	423.5	350.6	357.1	435.0	500.0
	2024	438.6	452.5	358.0	391.8	451.2	484.1	498.0	503.6	463.8	426.5	353.1	359.7	438.6	503.6
	2025	442.0	455.9	360.3	394.4	454.2	487.3	501.4	507.0	466.9	429.3	355.1	361.7	442.0	507.0
Projected	2026	444.6	459.0	362.6	396.8	457.0	490.4	504.6	510.2	469.8	431.9	357.2	363.9	444.6	510.2
	2027	447.5	462.0	364.7	399.0	459.7	493.3	507.6	513.2	472.6	434.4	359.3	366.2	447.5	513.2
	2028	450.3	464.9	366.7	401.3	462.3	496.1	510.6	516.2	475.3	436.8	361.3	368.2	450.3	516.2
	2029	453.0	467.8	368.7	403.4	464.8	498.8	513.5	519.1	477.9	439.2	363.3	370.3	453.0	519.1
	2030	455.7	470.6	370.6	405.4	467.2	501.4	516.2	521.8	480.4	441.4	365.2	372.2	455.7	521.8
	2031	458.3	473.3	372.5	407.4	469.6	504.0	519.0	524.5	482.8	443.6	367.1	374.3	458.3	524.5
	2032	460.9	476.1	374.4	409.4	472.0	506.6	521.7	527.3	485.3	445.9	368.9	376.2	460.9	527.3
	2033	463.5	478.9	376.3	411.4	474.4	509.1	524.4	529.9	487.7	448.0	370.8	378.2	463.5	529.9
	2034	466.1	481.6	378.1	413.3	476.7	511.6	527.0	532.6	490.1	450.1	372.6	380.1	466.1	532.6
	2035	468.6	484.3	379.8	415.2	478.9	514.0	529.6	535.1	492.5	437.3	361.4	367.2	468.6	535.1
	2036	452.9	469.6	367.9	402.2	464.7	498.5	514.2	518.8	477.7	439.3	363.0	368.9	452.9	518.8

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	88.7%	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%	97.3%	97.3%	94.8%	95.7%	92.9%
	2016	87.6%	90.3%	94.6%	97.0%	91.4%	95.0%	96.6%	97.9%	93.8%	95.2%	87.6%	90.0%	87.9%	96.6%
Projected	2017	88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%
	2018	88.6%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.1%	96.0%
	2019	88.6%	90.0%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.1%	96.0%
	2020	88.6%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.1%	96.0%
	2021	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.1%	96.0%
	2022	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2023	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2024	88.7%	90.1%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2025	88.8%	90.1%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2026	88.8%	90.1%	91.3%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.8%	90.1%	87.3%	96.0%
2007-2016		91.2%	89.4%	91.4%	94.1%	95.5%	95.1%	95.5%	96.2%	94.3%	95.9%	90.5%	89.0%	92.3%	96.2%
2017-2026		88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%

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), Starke (Sep-35)

FMPA 2017 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)				
		Year		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)
Historical	2007	2,035,888	-	2,049,434	-	0.7%	364.2	-	395.9	-	8.7%	449.2	-	438.6	-	-2.4%
	2008	1,960,379	-3.7%	1,969,052	-3.9%	0.4%	395.4	8.6%	390.6	-1.3%	-1.2%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,553	-1.8%	-0.3%	432.9	9.5%	414.0	6.0%	-4.4%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,064	-2.1%	-5.1%	466.6	7.8%	406.9	-1.7%	-12.8%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,901	-2.3%	-4.2%	416.1	-10.8%	415.6	2.1%	-0.1%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,963	-1.5%	0.0%	381.2	-8.4%	369.9	-11.0%	-3.0%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,625	0.2%	-0.2%	342.2	-10.2%	361.8	-2.2%	5.7%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,926	0.9%	-0.6%	371.1	8.5%	401.7	11.0%	8.2%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,891	0.6%	-2.6%	407.6	9.8%	415.3	3.4%	1.9%	419.6	3.3%	443.8	7.9%	5.8%
	2016	1,959,340	3.0%	1,890,751	2.0%	-3.5%	370.4	-9.1%	400.6	-3.5%	8.2%	429.1	2.3%	422.6	-4.8%	-1.5%
Projected	2017	1,948,359	-0.6%	1,948,359	3.0%		403.3	8.9%	403.3	0.7%		424.8	-1.0%	424.8	0.5%	
	2018			1,997,729	2.5%				414.4	2.8%				436.6	2.8%	
	2019			2,047,091	2.5%				424.0	2.3%				446.8	2.3%	
	2020			2,089,261	2.1%				432.5	2.0%				455.8	2.0%	
	2021			2,126,405	1.8%				440.1	1.7%				463.8	1.8%	
	2022			2,162,664	1.7%				447.4	1.7%				471.6	1.7%	
	2023			2,197,611	1.6%				454.6	1.6%				479.2	1.6%	
	2024			2,233,046	1.6%				461.8	1.6%				486.8	1.6%	
	2025			2,264,796	1.4%				468.3	1.4%				493.7	1.4%	
	2026			2,297,094	1.4%				474.9	1.4%				500.7	1.4%	
	2027			2,328,913	1.4%				481.5	1.4%				507.6	1.4%	
	2028			2,361,848	1.4%				488.2	1.4%				514.8	1.4%	
	2029			2,391,214	1.2%				494.2	1.2%				521.2	1.2%	
	2030			2,421,801	1.3%				500.5	1.3%				527.8	1.3%	
	2031			2,451,899	1.2%				506.7	1.2%				534.3	1.2%	
	2032			2,482,850	1.3%				513.0	1.3%				541.1	1.3%	
	2033			2,510,222	1.1%				518.7	1.1%				547.0	1.1%	
	2034			2,539,000	1.1%				524.6	1.1%				553.3	1.1%	
2035			2,567,662	1.1%				530.5	1.1%				559.5	1.1%		
2036			2,598,047	1.2%				536.7	1.2%				566.2	1.2%		
CAGR <sup>[3]</sup>	2007-2016		-0.4%		-0.9%			0.2%		0.1%			-0.5%		-0.4%	
	2017-2026				1.8%					1.8%					1.8%	
	2027-2036				1.2%					1.2%					1.2%	

[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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 30.3 MW beginning Jan-20

**FMPA 2017 Load Forecast - High Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	152,030	142,943	140,517	1,916,589	1,902,497
	2016	149,700	135,337	138,366	142,125	169,913	194,799	209,266	201,242	183,103	160,477	135,522	151,294	1,971,143	1,959,340
Projected	2017	155,257	134,037	141,696	145,610	167,058	185,682	193,950	200,513	177,263	158,567	140,944	155,284	1,955,861	1,948,359
	2018	159,631	138,266	145,493	148,750	172,556	190,275	199,169	206,804	181,989	163,062	144,974	159,273	2,010,242	1,997,729
	2019	163,722	141,959	148,997	152,423	176,872	194,640	203,812	211,486	185,872	166,602	148,130	162,541	2,057,056	2,047,091
	2020	167,032	146,234	151,944	155,467	180,320	198,356	207,715	215,523	189,395	169,787	150,960	165,599	2,098,333	2,089,261
	2021	170,133	147,540	154,778	158,368	183,639	201,971	211,475	219,392	192,764	172,804	153,637	168,495	2,134,994	2,126,405
	2022	173,050	150,071	157,433	161,081	186,752	205,361	214,999	223,035	195,947	175,664	156,190	171,264	2,170,848	2,162,664
	2023	175,841	152,507	159,997	163,706	189,768	208,647	218,416	226,571	199,038	178,444	158,673	173,955	2,205,563	2,197,611
	2024	178,551	156,356	162,485	166,255	192,698	211,839	221,736	230,010	202,045	181,149	161,091	176,577	2,240,790	2,233,046
	2025	181,192	157,191	164,929	168,758	195,575	214,973	224,994	233,380	204,990	183,796	163,455	179,137	2,272,368	2,264,796
Projected	2026	183,766	159,435	167,294	171,183	198,363	218,008	228,151	236,652	207,854	186,376	165,765	181,643	2,304,489	2,297,094
	2027	186,291	161,645	169,626	173,576	201,116	221,012	231,278	239,894	210,692	188,933	168,053	184,128	2,336,243	2,328,913
	2028	188,793	165,388	171,926	175,934	203,827	223,965	234,350	243,076	213,476	191,439	170,295	186,559	2,369,027	2,361,848
	2029	191,240	165,979	174,196	178,264	206,507	226,886	237,389	246,226	216,234	193,923	172,520	188,973	2,398,337	2,391,214
	2030	193,672	168,102	176,437	180,563	209,152	229,771	240,392	249,338	218,958	196,377	174,717	191,357	2,428,836	2,421,801
	2031	196,070	170,199	178,648	182,827	211,752	232,604	243,337	252,388	221,623	198,775	176,861	193,679	2,458,763	2,451,899
	2032	198,406	173,869	180,796	185,030	214,281	235,362	246,206	255,361	224,224	201,118	178,962	195,957	2,489,572	2,482,850
	2033	200,696	174,256	182,928	187,217	216,796	238,102	249,058	258,319	226,813	203,453	181,056	198,227	2,516,921	2,510,222
	2034	202,979	176,253	185,037	189,382	219,285	240,816	251,883	261,249	229,379	205,767	183,131	200,477	2,545,640	2,539,000
	2035	205,243	178,240	187,138	191,540	221,768	243,526	254,706	264,180	231,948	208,085	185,213	202,739	2,574,325	2,567,662
	2036	207,520	181,924	189,240	193,699	224,250	246,235	257,527	267,106	234,510	210,395	187,285	204,988	2,604,678	2,598,047

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.6%	6.9%	7.0%	7.2%	8.6%	9.9%	10.6%	10.2%	9.3%	8.1%	6.9%	7.7%	100.0%
Projected	2017	7.9%	6.9%	7.2%	7.4%	8.5%	9.5%	9.9%	10.3%	9.1%	8.1%	7.2%	7.9%	100.0%
	2018	7.9%	6.9%	7.2%	7.4%	8.6%	9.5%	9.9%	10.3%	9.1%	8.1%	7.2%	7.9%	100.0%
	2019	8.0%	6.9%	7.2%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2020	8.0%	7.0%	7.2%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2021	8.0%	6.9%	7.2%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2022	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2023	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2024	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
	2025	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	100.0%
Avg.	2007-2016	8.0%	7.0%	7.2%	7.5%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.5%	100.0%
	2017-2026	8.0%	6.9%	7.2%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.9%	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), Starke (Sep-35)

FMPA 2017 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	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	343.8	346.5	281.3	408.2	423.0
	2016	379.5	370.8	302.9	347.8	380.5	422.9	435.7	426.9	390.5	364.8	282.8	319.2	379.5	435.7
Projected	2017	407.4	376.1	305.2	329.1	383.1	422.0	413.8	431.7	399.7	361.6	290.6	328.0	407.4	431.7
	2018	418.5	386.5	313.7	338.2	393.7	433.7	425.3	443.7	410.8	371.7	297.4	335.7	418.5	443.7
	2019	428.2	395.5	321.0	346.1	402.9	443.8	435.2	454.0	420.4	380.3	303.4	342.5	428.2	454.0
	2020	436.7	403.4	327.4	353.0	411.0	452.7	444.0	463.1	428.8	387.9	308.7	348.4	436.7	463.1
	2021	444.3	410.4	333.1	359.2	418.1	460.6	451.7	471.2	436.3	394.7	313.9	354.3	444.3	471.2
	2022	451.8	417.3	338.7	365.2	425.2	468.4	459.3	479.1	443.6	401.3	318.9	360.0	451.8	479.1
	2023	459.0	424.0	344.0	371.0	431.9	475.9	466.7	486.8	450.7	407.7	324.0	365.7	459.0	486.8
	2024	466.3	430.7	349.5	377.0	438.8	483.5	474.1	494.5	457.9	414.2	328.5	370.8	466.3	494.5
	2025	472.8	436.8	354.4	382.3	445.0	490.3	480.8	501.5	464.4	420.0	333.2	376.1	472.8	501.5
	2026	479.5	443.0	359.4	387.7	451.3	497.2	487.6	508.6	471.0	426.0	337.7	381.3	479.5	508.6
Projected	2027	486.1	449.1	364.3	393.0	457.5	504.1	494.3	515.6	477.4	431.8	342.5	386.6	486.1	515.6
	2028	492.9	455.3	369.4	398.5	463.9	511.1	501.3	522.8	484.1	437.9	346.7	391.4	492.9	522.8
	2029	499.0	461.0	374.0	403.4	469.6	517.5	507.5	529.3	490.1	443.3	351.1	396.4	499.0	529.3
	2030	505.3	466.8	378.7	408.5	475.6	524.0	513.9	536.0	496.4	448.9	355.4	401.3	505.3	536.0
	2031	511.5	472.6	383.3	413.6	481.5	530.5	520.3	542.7	502.5	454.4	359.9	406.3	511.5	542.7
	2032	517.9	478.5	388.1	418.7	487.5	537.1	526.8	549.5	508.8	460.1	363.8	410.8	517.9	549.5
	2033	523.6	483.8	392.4	423.3	492.8	543.1	532.6	555.5	514.4	465.2	368.0	415.5	523.6	555.5
	2034	529.6	489.3	396.8	428.2	498.5	549.3	538.7	561.8	520.2	470.5	372.2	420.2	529.6	561.8
	2035	535.5	494.8	401.3	433.0	504.1	555.5	544.8	568.2	526.1	475.8	376.6	425.2	535.5	568.2
	2036	541.8	500.6	406.0	438.1	510.0	562.0	551.2	574.9	532.3	481.4	380.5	429.6	541.8	574.9

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	59.4%	55.4%	69.4%	53.6%	51.7%
	2016	53.0%	52.4%	61.4%	54.9%	66.5%	61.9%	66.7%	63.4%	65.1%	59.1%	64.4%	65.8%	59.3%	51.6%
Projected	2017	51.2%	53.0%	62.4%	59.5%	64.9%	59.1%	65.1%	62.4%	61.6%	58.9%	65.2%	65.7%	54.8%	51.7%
	2018	51.3%	53.2%	62.3%	59.1%	65.2%	59.0%	65.0%	62.7%	61.5%	59.0%	65.5%	65.9%	54.8%	51.7%
	2019	51.4%	53.4%	62.4%	59.2%	65.3%	58.9%	65.0%	62.6%	61.4%	58.9%	65.6%	65.9%	54.8%	51.7%
	2020	51.4%	52.1%	62.4%	59.2%	65.3%	58.9%	65.0%	62.6%	61.3%	58.8%	65.7%	66.0%	54.8%	51.7%
	2021	51.5%	53.5%	62.5%	59.3%	65.4%	58.9%	65.0%	62.6%	61.4%	58.8%	65.8%	66.1%	54.8%	51.7%
	2022	51.5%	53.5%	62.5%	59.3%	65.4%	58.9%	65.0%	62.6%	61.3%	58.8%	65.8%	66.1%	54.9%	51.7%
	2023	51.5%	53.5%	62.5%	59.3%	65.4%	58.9%	65.0%	62.6%	61.3%	58.8%	65.8%	66.1%	54.9%	51.7%
	2024	51.5%	52.2%	62.5%	59.3%	65.3%	58.9%	65.0%	62.5%	61.3%	58.8%	65.9%	66.1%	54.9%	51.7%
	2025	51.5%	53.6%	62.5%	59.3%	65.4%	58.9%	65.0%	62.5%	61.3%	58.8%	65.9%	66.2%	54.9%	51.7%
	2026	51.5%	53.6%	62.6%	59.4%	65.4%	58.9%	65.0%	62.5%	61.3%	58.8%	66.0%	66.2%	54.9%	51.7%
Avg.	2007-2016	53.9%	54.2%	61.8%	59.2%	67.9%	59.8%	65.2%	63.1%	63.1%	59.4%	60.9%	64.7%	55.3%	51.9%
	2017-2026	51.4%	53.2%	62.5%	59.3%	65.3%	59.0%	65.0%	62.6%	61.4%	58.9%	65.7%	66.0%	54.8%	51.7%

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), Starke (Sep-35)

**FMPA 2017 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	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	342.3	343.2	273.8	407.6	419.6
	2016	376.2	370.4	302.5	347.5	371.8	415.8	429.1	424.4	378.1	358.1	277.6	307.5	370.4	429.1
Projected	2017	403.3	373.9	288.8	321.2	372.9	413.2	404.5	424.8	391.3	355.0	285.2	315.9	403.3	424.8
	2018	414.4	384.3	296.8	330.1	383.2	424.7	415.8	436.6	402.1	364.8	291.9	323.4	414.4	436.6
	2019	424.0	393.2	303.7	337.8	392.2	434.6	425.4	446.8	411.5	373.3	297.8	329.9	424.0	446.8
	2020	432.5	401.1	309.8	344.6	400.0	443.3	434.0	455.8	419.8	380.8	303.0	335.6	432.5	455.8
	2021	440.1	408.1	315.2	350.6	407.0	451.1	441.6	463.8	427.1	387.4	308.1	341.3	440.1	463.8
	2022	447.4	414.9	320.4	356.5	413.8	458.7	449.0	471.6	434.3	393.9	313.0	346.7	447.4	471.6
	2023	454.6	421.6	325.5	362.2	420.5	466.0	456.2	479.2	441.2	400.2	318.0	352.3	454.6	479.2
	2024	461.8	428.3	330.7	367.9	427.2	473.5	463.5	486.8	448.3	406.6	322.5	357.2	461.8	486.8
	2025	468.3	434.3	335.4	373.1	433.2	480.2	470.0	493.7	454.6	412.3	327.1	362.3	468.3	493.7
Projected	2026	474.9	440.5	340.1	378.4	439.3	487.0	476.7	500.7	461.0	418.2	331.6	367.3	474.9	500.7
	2027	481.5	446.5	344.8	383.6	445.4	493.7	483.3	507.6	467.4	423.9	336.3	372.4	481.5	507.6
	2028	488.2	452.8	349.6	389.0	451.6	500.6	490.0	514.8	474.0	429.9	340.4	377.0	488.2	514.8
	2029	494.2	458.4	353.9	393.8	457.2	506.9	496.1	521.2	479.8	435.2	344.8	381.9	494.2	521.2
	2030	500.5	464.2	358.4	398.8	463.0	513.3	502.4	527.8	485.9	440.7	349.0	386.6	500.5	527.8
	2031	506.7	469.9	362.8	403.7	468.7	519.7	508.6	534.3	491.9	446.1	353.4	391.4	506.7	534.3
	2032	513.0	475.8	367.3	408.7	474.6	526.2	515.0	541.1	498.1	451.7	357.3	395.7	513.0	541.1
	2033	518.7	481.0	371.3	413.2	479.8	532.0	520.7	547.0	503.6	456.7	361.4	400.3	518.7	547.0
	2034	524.6	486.5	375.5	417.9	485.3	538.1	526.6	553.3	509.3	461.9	365.5	404.8	524.6	553.3
Projected	2035	530.5	492.0	379.8	422.6	490.7	544.2	532.6	559.5	515.1	467.1	369.8	409.6	530.5	559.5
	2036	536.7	497.8	384.2	427.6	496.5	550.6	538.9	566.2	521.1	472.6	373.6	413.8	536.7	566.2

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.6%	99.0%	97.3%	99.8%	99.2%
Projected	2016	99.1%	99.9%	99.9%	99.9%	97.7%	98.3%	98.5%	99.4%	96.8%	98.2%	98.2%	96.3%	97.6%	98.5%
	2017	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2018	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2019	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2020	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2021	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2022	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2023	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2024	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
Projected	2025	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.5%	97.9%	98.2%	98.2%	96.3%	99.0%	98.5%
Projected	2007-2016	99.4%	99.3%	95.0%	97.7%	97.3%	98.1%	97.5%	98.5%	98.0%	98.2%	93.4%	95.2%	98.8%	98.2%
	2017-2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	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), Starke (Sep-35)

FMPA 2017 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	2007	7,209,394	-	7,191,917	-	-0.2%	1,202.3	-	1,306.8	-	8.7%	1,521.2	-	1,506.5	-	-1.0%
	2008	7,091,611	-1.6%	7,069,598	-1.7%	-0.3%	1,330.2	10.6%	1,338.8	2.5%	0.7%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,822,525	-3.5%	-0.4%	1,418.5	6.6%	1,317.8	-1.6%	-7.1%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,172,882	-9.5%	-4.6%	1,412.0	-0.5%	1,200.9	-8.9%	-15.0%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,923,008	-4.0%	-3.6%	1,258.3	-10.9%	1,250.6	4.1%	-0.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,943,517	0.3%	0.5%	1,096.7	-12.8%	1,100.8	-12.0%	0.4%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,931,424	-0.2%	0.3%	1,009.9	-7.9%	1,040.9	-5.4%	3.1%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,339	-4.6%	-1.3%	996.9	-1.3%	1,125.6	8.1%	12.9%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,627,970	-0.5%	-2.6%	1,128.5	13.2%	1,063.2	-5.5%	-5.8%	1,194.4	0.8%	1,250.8	4.9%	4.7%
	2016	5,981,790	3.5%	5,779,315	2.7%	-3.4%	1,006.1	-10.8%	1,084.0	2.0%	7.7%	1,267.7	6.1%	1,245.2	-0.4%	-1.8%
Projected	2017	5,865,496	-1.9%	5,865,496	1.5%		1,071.0	6.5%	1,071.0	-1.2%		1,224.3	-3.4%	1,224.3	-1.7%	
	2018			5,868,029	0.0%				1,073.1	0.2%				1,226.7	0.2%	
	2019			5,878,829	0.2%				1,075.0	0.2%				1,228.7	0.2%	
	2020			5,882,679	0.1%				1,076.5	0.1%				1,230.6	0.2%	
	2021			5,892,587	0.2%				1,079.5	0.3%				1,234.0	0.3%	
	2022			5,917,876	0.4%				1,084.5	0.5%				1,239.5	0.4%	
	2023			5,944,236	0.4%				1,089.3	0.4%				1,245.5	0.5%	
	2024			5,976,067	0.5%				1,095.6	0.6%				1,252.6	0.6%	
	2025			6,002,556	0.4%				1,100.8	0.5%				1,258.3	0.5%	
	2026			6,031,552	0.5%				1,106.0	0.5%				1,264.8	0.5%	
	2027			6,061,638	0.5%				1,111.8	0.5%				1,271.6	0.5%	
	2028			6,097,142	0.6%				1,118.4	0.6%				1,279.3	0.6%	
	2029			6,121,401	0.4%				1,123.0	0.4%				1,284.6	0.4%	
	2030			6,149,651	0.5%				1,128.4	0.5%				1,290.8	0.5%	
	2031			6,177,230	0.4%				1,133.6	0.5%				1,296.9	0.5%	
	2032			6,208,834	0.5%				1,139.7	0.5%				1,303.8	0.5%	
	2033			6,231,305	0.4%				1,144.0	0.4%				1,308.8	0.4%	
	2034			6,257,369	0.4%				1,149.0	0.4%				1,314.5	0.4%	
	2035			6,283,575	0.4%				1,154.2	0.4%				1,320.4	0.4%	
	2036			6,239,575	-0.7%				1,144.7	-0.8%				1,311.3	-0.7%	
CAGR <sup>[3]</sup>	2007-2016		-2.1%		-2.4%			-2.0%		-2.1%			-2.0%		-2.1%	
	2017-2026				0.3%					0.4%					0.4%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 26.5 MW beginning Jan-20



**FMPA 2017 Load Forecast - Low Economic Case**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,904	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	477,199	447,017	436,736	5,876,322	5,777,052
	2016	434,986	397,529	428,066	436,669	517,921	586,159	645,813	615,145	558,551	493,205	412,253	439,527	5,965,823	5,981,790
Projected	2017	456,027	400,339	422,087	435,823	505,277	557,359	598,469	605,827	539,302	485,867	415,216	439,714	5,861,308	5,865,496
	2018	456,737	401,328	422,177	435,297	506,641	557,568	599,352	607,843	540,289	487,303	416,490	440,862	5,871,888	5,868,029
	2019	457,958	402,324	422,742	435,883	507,485	558,190	600,078	608,631	540,882	487,710	416,872	441,315	5,880,070	5,878,829
	2020	457,557	406,031	422,225	435,532	507,296	558,131	600,117	608,858	541,034	487,775	416,782	441,339	5,882,678	5,882,679
	2021	458,749	403,025	423,367	436,769	508,848	559,906	602,082	611,009	542,934	489,750	418,478	443,206	5,898,124	5,892,587
	2022	460,706	404,751	425,090	438,568	511,041	562,355	604,719	613,813	545,400	491,738	420,130	445,001	5,923,312	5,917,876
	2023	462,598	406,397	426,993	440,537	513,420	565,004	607,582	616,826	548,010	494,055	422,050	447,070	5,950,543	5,944,236
	2024	464,773	412,467	428,898	442,499	515,786	567,632	610,420	619,814	550,602	496,589	424,179	449,360	5,983,020	5,976,067
	2025	467,177	410,375	431,022	444,685	518,431	570,567	613,572	623,120	553,479	498,926	426,095	451,418	6,008,865	6,002,556
Projected	2026	469,335	412,230	433,104	446,818	520,996	573,410	616,638	626,329	556,252	501,385	428,125	453,603	6,038,227	6,031,552
	2027	471,636	414,219	435,198	448,973	523,599	576,313	619,792	629,651	559,144	503,968	430,268	455,930	6,068,690	6,061,638
	2028	474,098	420,692	437,399	451,220	526,297	579,299	623,001	632,980	561,991	506,457	432,288	458,069	6,103,792	6,097,142
	2029	476,331	418,247	439,406	453,267	528,745	582,009	625,913	636,036	564,633	508,799	434,239	460,180	6,127,804	6,121,401
	2030	478,551	420,154	441,390	455,297	531,180	584,711	628,819	639,079	567,252	511,109	436,144	462,223	6,155,909	6,149,651
	2031	480,702	422,001	443,329	457,281	533,561	587,353	631,660	642,054	569,813	513,367	438,012	464,226	6,183,358	6,177,230
	2032	482,811	428,308	445,226	459,228	535,900	589,953	634,459	644,995	572,350	515,611	439,877	466,230	6,214,947	6,208,834
	2033	484,915	425,620	447,130	461,175	538,232	592,536	637,233	647,899	574,847	517,809	441,700	468,181	6,237,277	6,231,305
	2034	486,967	427,378	448,955	463,043	540,470	595,019	639,897	650,695	577,253	519,930	443,463	470,072	6,263,144	6,257,369
Projected	2035	488,972	429,112	450,777	464,922	542,742	597,559	642,649	653,602	579,775	516,142	439,813	466,095	6,272,158	6,283,575
	2036	484,898	430,309	447,168	461,421	538,592	593,094	637,770	648,927	575,346	518,394	441,681	468,103	6,245,703	6,239,575

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.9%	9.1%	8.1%	7.6%	7.4%	100.0%
	2016	7.3%	6.7%	7.2%	7.3%	8.7%	9.8%	10.8%	10.3%	9.4%	8.3%	6.9%	7.4%	100.0%
Projected	2017	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.3%	9.2%	8.3%	7.1%	7.5%	100.0%
	2018	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2019	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2020	7.8%	6.9%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2021	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2022	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2023	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2024	7.8%	6.9%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2025	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.5%	8.8%	9.6%	10.2%	10.3%	9.3%	8.3%	6.9%	7.4%	100.0%
	2017-2026	7.8%	6.8%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	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), Starke (Sep-35)



**FMPA 2017 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	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	1,045.8	1,029.8	883.0	1,149.5	1,229.4
	2016	1,061.1	1,047.8	943.2	1,040.4	1,121.9	1,247.3	1,291.2	1,260.1	1,168.4	1,091.3	872.5	889.1	1,061.1	1,291.2
Projected	2017	1,139.5	1,094.4	893.3	974.5	1,116.1	1,217.1	1,225.2	1,251.9	1,167.5	1,065.7	871.5	890.7	1,139.5	1,251.9
	2018	1,141.7	1,096.5	895.0	976.3	1,118.2	1,219.5	1,227.5	1,254.3	1,169.7	1,067.7	873.1	891.9	1,141.7	1,254.3
	2019	1,143.5	1,098.2	896.3	977.7	1,120.0	1,221.4	1,229.4	1,256.3	1,171.6	1,069.4	875.1	894.1	1,143.5	1,256.3
	2020	1,144.9	1,099.2	896.9	978.8	1,121.4	1,223.1	1,231.2	1,258.2	1,173.2	1,070.8	875.6	894.9	1,144.9	1,258.2
	2021	1,148.0	1,102.0	899.2	981.4	1,124.5	1,226.4	1,234.5	1,261.6	1,176.4	1,073.7	879.2	898.8	1,148.0	1,261.6
	2022	1,153.2	1,106.5	903.0	985.7	1,129.4	1,231.8	1,239.9	1,267.1	1,181.5	1,078.4	883.0	902.5	1,153.2	1,267.1
	2023	1,158.1	1,111.5	907.2	990.4	1,134.8	1,237.7	1,245.8	1,273.3	1,187.2	1,083.6	887.8	907.4	1,158.1	1,273.3
	2024	1,164.5	1,117.4	912.1	995.9	1,141.2	1,244.6	1,252.8	1,280.4	1,193.9	1,089.7	891.8	911.4	1,164.5	1,280.4
	2025	1,169.8	1,122.1	916.0	1,000.3	1,146.2	1,250.1	1,258.3	1,286.1	1,199.2	1,094.6	895.8	915.4	1,169.8	1,286.1
Projected	2026	1,175.2	1,127.5	920.5	1,005.4	1,152.0	1,256.5	1,264.7	1,292.7	1,205.3	1,100.2	900.2	919.8	1,175.2	1,292.7
	2027	1,181.1	1,133.0	925.1	1,010.6	1,158.0	1,263.0	1,271.3	1,299.5	1,211.6	1,105.9	905.3	925.0	1,181.1	1,299.5
	2028	1,187.9	1,139.4	930.4	1,016.6	1,164.9	1,270.5	1,278.9	1,307.3	1,218.9	1,112.6	908.8	928.5	1,187.9	1,307.3
	2029	1,192.6	1,143.8	934.0	1,020.7	1,169.7	1,275.7	1,284.1	1,312.7	1,223.9	1,117.1	912.9	932.7	1,192.6	1,312.7
	2030	1,198.1	1,149.0	938.3	1,025.5	1,175.2	1,281.7	1,290.2	1,318.9	1,229.7	1,122.4	916.9	936.7	1,198.1	1,318.9
	2031	1,203.5	1,154.0	942.4	1,030.2	1,180.6	1,287.6	1,296.1	1,325.0	1,235.4	1,127.6	921.5	941.4	1,203.5	1,325.0
	2032	1,209.7	1,159.9	947.2	1,035.6	1,186.8	1,294.4	1,303.0	1,332.0	1,241.9	1,133.6	924.7	944.7	1,209.7	1,332.0
	2033	1,214.1	1,164.1	950.6	1,039.4	1,191.2	1,299.2	1,307.8	1,337.0	1,246.5	1,137.8	928.5	948.6	1,214.1	1,337.0
	2034	1,219.2	1,168.9	954.5	1,043.8	1,196.3	1,304.8	1,313.4	1,342.8	1,251.9	1,142.7	932.4	952.5	1,219.2	1,342.8
	2035	1,224.5	1,173.9	958.5	1,048.4	1,201.6	1,310.5	1,319.2	1,348.7	1,257.4	1,134.3	925.6	943.6	1,224.5	1,348.7
	2036	1,214.8	1,164.9	951.1	1,041.1	1,193.5	1,301.7	1,310.2	1,339.4	1,248.9	1,140.3	929.0	947.0	1,214.8	1,339.4

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	2007	58.9%	55.5%	63.1%	67.4%	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%	61.3%	58.3%	68.7%	58.4%	54.6%
	2016	55.1%	54.5%	61.0%	56.4%	68.7%	63.2%	69.5%	65.6%	66.4%	60.7%	63.5%	68.7%	64.2%	52.7%
Projected	2017	53.8%	54.4%	63.5%	60.1%	67.4%	61.5%	67.8%	65.0%	64.2%	61.3%	64.0%	68.6%	58.7%	53.4%
	2018	53.8%	54.5%	63.4%	59.9%	67.4%	61.5%	67.8%	65.1%	64.2%	61.3%	64.1%	68.7%	58.7%	53.4%
	2019	53.8%	54.5%	63.4%	59.9%	67.4%	61.4%	67.8%	65.1%	64.1%	61.3%	64.0%	68.6%	58.7%	53.4%
	2020	53.7%	53.1%	63.3%	59.8%	67.3%	61.3%	67.7%	65.0%	64.1%	61.2%	64.0%	68.5%	58.7%	53.4%
	2021	53.7%	54.4%	63.3%	59.8%	67.3%	61.4%	67.7%	65.1%	64.1%	61.3%	64.0%	68.5%	58.6%	53.4%
	2022	53.7%	54.4%	63.3%	59.8%	67.3%	61.4%	67.7%	65.1%	64.1%	61.3%	64.0%	68.5%	58.6%	53.4%
	2023	53.7%	54.4%	63.3%	59.8%	67.3%	61.4%	67.7%	65.1%	64.1%	61.3%	63.9%	68.4%	58.7%	53.4%
	2024	53.6%	53.0%	63.2%	59.7%	67.3%	61.3%	67.7%	65.1%	64.1%	61.2%	63.9%	68.5%	58.6%	53.3%
	2025	53.7%	54.4%	63.2%	59.8%	67.3%	61.3%	67.7%	65.1%	64.1%	61.3%	63.9%	68.5%	58.6%	53.3%
Avg.	2007-2016	55.6%	56.3%	62.1%	60.4%	70.1%	62.3%	68.1%	66.0%	65.3%	61.6%	60.1%	66.0%	58.6%	53.6%
	2017-2026	53.7%	54.2%	63.3%	59.8%	67.3%	61.4%	67.7%	65.1%	64.1%	61.3%	64.0%	68.5%	58.7%	53.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	1,029.9	1,009.9	853.9	1,128.5	1,194.4
	2016	1,001.8	1,006.1	909.0	1,024.0	1,068.4	1,216.1	1,267.7	1,247.5	1,112.4	1,060.9	801.7	830.9	1,006.1	1,267.7
Projected	2017	1,071.0	1,042.7	834.1	939.8	1,081.2	1,182.3	1,183.2	1,224.3	1,123.0	1,035.9	801.0	832.4	1,071.0	1,224.3
	2018	1,073.1	1,044.7	835.7	941.6	1,083.3	1,184.6	1,185.5	1,226.7	1,125.1	1,037.9	802.6	833.6	1,073.1	1,226.7
	2019	1,075.0	1,046.6	837.0	943.1	1,085.0	1,186.5	1,187.4	1,228.7	1,126.9	1,039.6	804.5	835.8	1,075.0	1,228.7
	2020	1,076.5	1,047.7	837.5	944.1	1,086.4	1,188.2	1,189.0	1,230.6	1,128.5	1,040.9	804.8	836.5	1,076.5	1,230.6
	2021	1,079.5	1,050.5	839.8	946.7	1,089.4	1,191.5	1,192.3	1,234.0	1,131.6	1,043.8	808.3	840.2	1,079.5	1,234.0
	2022	1,084.5	1,055.0	843.4	950.8	1,094.2	1,196.8	1,197.5	1,239.5	1,136.6	1,048.5	811.8	843.7	1,084.5	1,239.5
	2023	1,089.3	1,060.0	847.3	955.4	1,099.4	1,202.6	1,203.3	1,245.5	1,142.1	1,053.6	816.3	848.4	1,089.3	1,245.5
	2024	1,095.6	1,065.8	852.0	960.8	1,105.6	1,209.5	1,210.2	1,252.6	1,148.6	1,059.6	820.0	852.2	1,095.6	1,252.6
	2025	1,100.8	1,070.5	855.7	965.1	1,110.6	1,214.9	1,215.6	1,258.3	1,153.7	1,064.4	823.7	856.1	1,100.8	1,258.3
	2026	1,106.0	1,075.9	860.0	970.0	1,116.3	1,221.2	1,221.8	1,264.8	1,159.7	1,069.9	827.9	860.4	1,106.0	1,264.8
Projected	2027	1,111.8	1,081.3	864.4	975.1	1,122.1	1,227.7	1,228.2	1,271.6	1,165.8	1,075.6	832.6	865.3	1,111.8	1,271.6
	2028	1,118.4	1,087.7	869.4	981.0	1,128.8	1,235.1	1,235.6	1,279.3	1,172.8	1,082.1	835.9	868.7	1,118.4	1,279.3
	2029	1,123.0	1,092.1	872.9	985.0	1,133.5	1,240.2	1,240.7	1,284.6	1,177.6	1,086.6	839.7	872.7	1,123.0	1,284.6
	2030	1,128.4	1,097.2	876.9	989.7	1,138.9	1,246.2	1,246.7	1,290.8	1,183.3	1,091.8	843.5	876.6	1,128.4	1,290.8
	2031	1,133.6	1,102.3	880.9	994.2	1,144.1	1,252.0	1,252.5	1,296.9	1,188.8	1,096.9	847.8	881.0	1,133.6	1,296.9
	2032	1,139.7	1,108.0	885.4	999.5	1,150.2	1,258.7	1,259.1	1,303.8	1,195.1	1,102.8	850.8	884.2	1,139.7	1,303.8
	2033	1,144.0	1,112.2	888.7	1,003.2	1,154.5	1,263.5	1,263.9	1,308.8	1,199.6	1,106.9	854.4	887.9	1,144.0	1,308.8
	2034	1,149.0	1,117.0	892.4	1,007.5	1,159.5	1,269.0	1,269.4	1,314.5	1,204.8	1,111.7	858.0	891.7	1,149.0	1,314.5
	2035	1,154.2	1,122.0	896.2	1,011.9	1,164.6	1,274.6	1,275.0	1,320.4	1,210.1	1,103.9	861.3	893.7	1,154.2	1,320.4
	2036	1,144.7	1,113.1	889.2	1,004.5	1,156.6	1,266.1	1,266.4	1,311.3	1,202.0	1,109.8	854.4	886.9	1,144.7	1,311.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.5%	98.1%	96.7%	98.2%	97.2%
	2016	94.4%	96.0%	96.4%	98.4%	95.2%	97.5%	98.2%	99.0%	95.2%	97.2%	91.9%	93.5%	94.8%	98.2%
Projected	2017	94.0%	95.3%	93.4%	96.4%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2018	94.0%	95.3%	93.4%	96.4%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2019	94.0%	95.3%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2020	94.0%	95.3%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2021	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2022	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2023	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.1%	97.8%
	2024	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2025	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2026	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2007-2016	95.4%	94.7%	93.6%	95.6%	96.8%	97.0%	96.6%	97.5%	96.0%	97.3%	92.5%	92.6%	96.1%	97.6%
	2017-2026	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%

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), Starke (Sep-35)

FMPA 2017 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	2007	3,720,003	-	3,687,774	-	-0.9%	588.1	-	646.5	-	9.9%	750.9	-	746.3	-	-0.6%
	2008	3,682,412	-1.0%	3,641,591	-1.3%	-1.1%	670.8	14.1%	689.6	6.7%	2.8%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,504,521	-3.8%	-0.3%	709.9	5.8%	648.9	-5.9%	-8.6%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,920,109	-16.7%	-4.1%	631.0	-11.1%	516.3	-20.4%	-18.2%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,712,828	-7.1%	-3.3%	544.4	-13.7%	547.1	6.0%	0.5%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,728,592	0.6%	0.7%	469.7	-13.7%	482.2	-11.8%	2.7%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,709,186	-0.7%	0.6%	425.0	-9.5%	447.8	-7.2%	5.4%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,291	-11.6%	-1.7%	384.4	-9.5%	434.0	-3.1%	12.9%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,314,553	-3.4%	-2.2%	456.4	18.7%	408.2	-6.0%	-10.6%	444.3	-1.7%	466.8	1.5%	5.1%
Projected	2016	2,436,956	3.0%	2,366,496	2.2%	-2.9%	384.8	-15.7%	423.0	3.6%	9.9%	484.9	9.1%	472.0	1.1%	-2.7%
	2017	2,386,069	-2.1%	2,386,069	0.8%		400.0	4.0%	400.0	-5.4%		462.5	-4.6%	462.5	-2.0%	
	2018			2,386,093	0.0%				400.2	0.1%				462.6	0.0%	
	2019			2,384,527	-0.1%				400.2	0.0%				462.2	-0.1%	
	2020			2,370,721	-0.6%				398.1	-0.5%				459.8	-0.5%	
	2021			2,365,262	-0.2%				398.2	0.0%				459.7	0.0%	
	2022			2,367,809	0.1%				398.9	0.2%				460.0	0.1%	
	2023			2,368,826	0.0%				398.9	0.0%				460.4	0.1%	
	2024			2,370,406	0.1%				399.6	0.2%				460.8	0.1%	
	2025			2,373,202	0.1%				400.3	0.2%				461.1	0.1%	
	2026			2,374,022	0.0%				400.3	0.0%				461.5	0.1%	
	2027			2,375,621	0.1%				400.7	0.1%				461.8	0.1%	
	2028			2,377,394	0.1%				401.2	0.1%				462.2	0.1%	
	2029			2,379,076	0.1%				401.6	0.1%				462.6	0.1%	
	2030			2,380,804	0.1%				402.1	0.1%				463.0	0.1%	
	2031			2,382,467	0.1%				402.6	0.1%				463.4	0.1%	
	2032			2,384,643	0.1%				403.2	0.1%				463.9	0.1%	
	2033			2,386,600	0.1%				403.7	0.1%				464.4	0.1%	
	2034			2,388,813	0.1%				404.3	0.2%				464.9	0.1%	
	2035			2,390,984	0.1%				404.9	0.2%				465.3	0.1%	
	2036			2,317,453	-3.1%				390.0	-3.7%				449.7	-3.4%	
CAGR <sup>[3]</sup>	2007-2016		-4.6%		-4.8%			-4.6%		-4.6%			-4.7%		-5.0%	
	2017-2026				-0.1%					0.0%					0.0%	
	2027-2036				-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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 26.5 MW beginning Jan-20

**FMPA 2017 Load Forecast - Low Economic Case**  
**FP&L Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	3,516,177
	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	198,016	185,657	180,873	2,413,205	2,366,430
	2016	176,709	160,492	176,455	177,928	209,878	234,796	261,639	250,374	224,138	202,377	170,711	173,948	2,419,445	2,436,956
Projected	2017	183,666	165,003	170,947	178,543	203,744	226,099	245,006	244,907	221,118	200,704	171,537	174,714	2,385,989	2,386,069
	2018	184,301	165,340	170,955	178,558	203,678	225,915	244,822	244,700	220,868	200,731	171,601	174,825	2,386,295	2,386,093
	2019	184,359	165,276	170,839	178,385	203,489	225,636	244,431	244,331	220,623	200,305	171,283	174,527	2,383,485	2,384,527
	2020	183,014	164,208	169,431	177,024	202,047	224,140	242,825	242,740	219,179	198,906	169,985	173,228	2,366,725	2,370,721
	2021	182,781	163,878	169,240	176,858	201,899	224,004	242,705	242,651	219,129	199,121	170,218	173,484	2,365,966	2,365,262
	2022	183,036	164,120	169,374	177,006	202,093	224,221	242,918	242,871	219,348	199,091	170,195	173,452	2,367,724	2,367,809
	2023	183,007	164,091	169,490	177,130	202,250	224,404	243,117	243,071	219,529	199,245	170,336	173,600	2,369,268	2,368,826
	2024	183,178	164,376	169,556	177,201	202,345	224,516	243,237	243,186	219,631	199,551	170,622	173,888	2,371,287	2,370,406
	2025	183,478	164,496	169,726	177,374	202,564	224,756	243,473	243,420	219,852	199,521	170,595	173,850	2,373,107	2,373,202
Projected	2026	183,455	164,468	169,818	177,470	202,692	224,909	243,644	243,592	220,007	199,650	170,710	173,970	2,374,385	2,374,022
	2027	183,598	164,579	169,919	177,573	202,823	225,064	243,814	243,761	220,159	199,776	170,825	174,092	2,375,984	2,375,621
	2028	183,748	164,847	170,014	177,671	202,952	225,221	243,990	243,939	220,320	199,907	170,942	174,214	2,377,764	2,377,394
	2029	183,897	164,815	170,138	177,796	203,110	225,410	244,198	244,146	220,504	200,057	171,075	174,352	2,379,497	2,379,076
	2030	184,066	164,945	170,243	177,901	203,244	225,571	244,374	244,320	220,655	200,174	171,177	174,453	2,381,123	2,380,804
	2031	184,202	165,048	170,341	178,003	203,383	225,746	244,574	244,524	220,842	200,329	171,319	174,604	2,382,916	2,382,467
	2032	184,388	165,340	170,467	178,131	203,548	225,946	244,793	244,743	221,035	200,483	171,455	174,741	2,385,069	2,384,643
	2033	184,562	165,326	170,604	178,270	203,728	226,163	245,034	244,985	221,249	200,657	171,609	174,899	2,387,085	2,386,600
	2034	184,764	165,484	170,737	178,406	203,906	226,381	245,277	245,228	221,465	200,831	171,762	175,054	2,389,295	2,388,813
Projected	2035	184,961	165,636	170,870	178,541	204,082	226,594	245,514	245,464	221,675	194,972	166,394	169,214	2,373,916	2,390,984
	2036	178,951	160,688	165,490	173,222	197,758	219,729	238,056	238,071	214,908	195,144	166,545	169,369	2,317,932	2,317,453

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.2%	6.6%	7.4%	7.9%	8.9%	9.5%	10.1%	9.9%	9.1%	8.2%	7.7%	7.5%	100.0%
	2016	7.3%	6.6%	7.3%	7.4%	8.7%	9.7%	10.8%	10.3%	9.3%	8.4%	7.1%	7.2%	100.0%
Projected	2017	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2018	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2019	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2020	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2021	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2022	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2023	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2024	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
	2025	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.2%	10.3%	9.3%	8.4%	7.0%	7.3%	100.0%
	2017-2026	7.7%	6.9%	7.2%	7.5%	8.5%	9.5%	10.3%	10.3%	9.3%	8.4%	7.2%	7.3%	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), Starke (Sep-35)

**FMPA 2017 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	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	408.9	401.6	358.8	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	422.2	370.6	363.0	437.5	501.8
Projected	2017	451.9	459.4	361.2	381.8	432.7	469.8	481.7	481.3	451.8	412.3	368.1	363.2	459.4	481.7
	2018	452.0	459.6	361.3	381.8	432.8	469.9	481.8	481.4	451.9	412.4	368.2	362.9	459.6	481.8
	2019	451.8	459.4	360.9	381.4	432.4	469.5	481.4	481.0	451.4	412.0	367.4	362.4	459.4	481.4
	2020	449.6	457.0	358.6	379.1	430.0	467.0	478.9	478.5	449.0	409.6	365.5	360.8	457.0	478.9
	2021	449.6	457.0	358.5	379.0	429.9	466.9	478.8	478.4	448.9	409.5	365.8	361.4	457.0	478.8
	2022	450.3	457.3	358.7	379.2	430.1	467.2	479.1	478.7	449.2	409.7	365.9	361.3	457.3	479.1
	2023	450.3	457.8	359.0	379.5	430.5	467.6	479.5	479.1	449.6	410.1	366.4	361.8	457.8	479.5
	2024	451.0	458.3	359.3	379.8	430.9	468.0	480.0	479.5	449.9	410.4	366.8	362.4	458.3	480.0
	2025	451.7	458.8	359.5	380.0	431.2	468.4	480.3	479.9	450.3	410.7	366.8	362.3	458.8	480.3
Projected	2026	451.7	459.2	359.8	380.3	431.5	468.7	480.7	480.2	450.6	411.0	367.0	362.6	459.2	480.7
	2027	452.1	459.6	360.0	380.5	431.8	469.0	481.1	480.6	450.9	411.2	367.3	363.0	459.6	481.1
	2028	452.6	460.1	360.3	380.8	432.1	469.4	481.5	481.0	451.3	411.6	367.6	363.3	460.1	481.5
	2029	453.0	460.6	360.5	381.1	432.5	469.8	481.9	481.4	451.7	411.9	367.9	363.6	460.6	481.9
	2030	453.5	461.0	360.8	381.3	432.8	470.2	482.3	481.8	452.0	412.2	368.2	363.9	461.0	482.3
	2031	453.9	461.6	361.1	381.6	433.1	470.6	482.7	482.2	452.4	412.5	368.6	364.3	461.6	482.7
	2032	454.5	462.2	361.4	382.0	433.6	471.0	483.2	482.7	452.8	412.9	368.9	364.7	462.2	483.2
	2033	455.0	462.8	361.7	382.3	434.0	471.5	483.7	483.1	453.3	413.2	369.3	365.1	462.8	483.7
	2034	455.6	463.4	362.0	382.6	434.4	472.0	484.2	483.6	453.7	413.6	369.7	365.5	463.4	484.2
Projected	2035	456.2	464.0	362.3	383.0	434.8	472.5	484.7	484.1	454.2	400.6	358.6	352.3	464.0	484.7
	2036	440.9	449.8	350.5	370.6	420.9	457.3	469.4	468.2	439.6	401.0	358.9	352.7	449.8	469.4

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	65.1%	62.1%	70.0%	57.8%	57.6%
Projected	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	64.4%	61.9%	66.6%	63.1%	55.0%
	2017	54.6%	53.5%	63.6%	62.9%	70.1%	64.7%	70.6%	68.4%	68.0%	65.4%	62.6%	66.8%	59.3%	56.5%
	2018	54.8%	53.5%	63.6%	62.9%	70.0%	64.6%	70.6%	68.3%	67.9%	65.4%	62.6%	66.9%	59.3%	56.5%
	2019	54.8%	53.5%	63.6%	62.9%	70.0%	64.6%	70.5%	68.3%	67.9%	65.4%	62.7%	66.9%	59.2%	56.5%
	2020	54.7%	51.6%	63.5%	62.8%	69.9%	64.5%	70.4%	68.2%	67.8%	65.3%	62.5%	66.7%	59.1%	56.4%
	2021	54.6%	53.4%	63.4%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.4%	62.5%	66.7%	59.1%	56.4%
	2022	54.6%	53.4%	63.5%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.3%	62.5%	66.7%	59.1%	56.4%
	2023	54.6%	53.3%	63.5%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.3%	62.5%	66.6%	59.1%	56.4%
	2024	54.6%	51.5%	63.4%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.4%	62.5%	66.7%	59.1%	56.4%
Projected	2025	54.6%	53.4%	63.4%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.3%	62.5%	66.6%	59.1%	56.4%
	2026	54.6%	53.3%	63.4%	62.7%	69.9%	64.5%	70.4%	68.2%	67.8%	65.3%	62.5%	66.6%	59.0%	56.4%
Avg.	2007-2016	55.7%	56.4%	62.6%	62.9%	73.1%	65.0%	70.7%	69.1%	67.8%	64.7%	60.1%	65.7%	58.8%	56.1%
	2017-2026	54.7%	53.0%	63.5%	62.8%	69.9%	64.5%	70.5%	68.2%	67.8%	65.3%	62.6%	66.7%	59.1%	56.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	397.9	390.9	340.3	456.4	444.3
	2016	383.2	384.8	358.7	388.2	394.5	457.4	484.9	474.4	425.5	402.0	324.7	326.9	384.8	484.9
Projected	2017	400.0	412.8	329.5	361.1	414.8	444.8	457.1	462.5	426.2	392.6	322.7	327.0	400.0	462.5
	2018	400.2	413.1	329.6	361.1	414.9	444.9	457.2	462.6	426.3	392.7	322.8	326.8	400.2	462.6
	2019	400.2	413.1	329.3	360.7	414.5	444.5	456.8	462.2	425.9	392.2	322.1	326.4	400.2	462.2
	2020	398.1	410.9	327.0	358.4	412.1	442.2	454.4	459.8	423.6	389.9	320.3	324.8	398.1	459.8
	2021	398.2	410.9	326.9	358.3	412.0	442.0	454.3	459.7	423.4	389.8	320.6	325.3	398.2	459.7
	2022	398.9	411.2	327.1	358.5	412.3	442.3	454.6	460.0	423.7	390.0	320.6	325.3	398.9	460.0
	2023	398.9	411.7	327.4	358.8	412.6	442.7	455.0	460.4	424.1	390.3	321.1	325.8	398.9	460.4
	2024	399.6	412.2	327.7	359.1	413.0	443.1	455.4	460.8	424.4	390.6	321.5	326.3	399.6	460.8
	2025	400.3	412.7	327.9	359.3	413.3	443.4	455.8	461.1	424.7	390.9	321.5	326.3	400.3	461.1
	2026	400.3	413.1	328.2	359.5	413.6	443.7	456.1	461.5	425.0	391.2	321.7	326.6	400.3	461.5
Projected	2027	400.7	413.5	328.4	359.8	413.9	444.0	456.5	461.8	425.4	391.4	322.0	326.9	400.7	461.8
	2028	401.2	414.0	328.7	360.0	414.2	444.4	456.9	462.2	425.7	391.7	322.3	327.2	401.2	462.2
	2029	401.6	414.5	328.9	360.3	414.5	444.8	457.3	462.6	426.0	392.0	322.6	327.5	401.6	462.6
	2030	402.1	415.0	329.2	360.5	414.8	445.1	457.7	463.0	426.4	392.3	322.8	327.8	402.1	463.0
	2031	402.6	415.5	329.4	360.8	415.2	445.5	458.1	463.4	426.7	392.6	323.2	328.2	402.6	463.4
	2032	403.2	416.1	329.7	361.1	415.6	445.9	458.6	463.9	427.1	392.9	323.5	328.6	403.2	463.9
	2033	403.7	416.7	330.0	361.4	416.0	446.4	459.1	464.4	427.6	393.3	323.9	329.0	403.7	464.4
	2034	404.3	417.4	330.4	361.7	416.4	446.8	459.6	464.9	428.0	393.6	324.2	329.4	404.3	464.9
	2035	404.9	418.0	330.7	362.0	416.8	447.3	460.1	465.3	428.4	381.3	313.5	317.3	404.9	465.3
	2036	390.0	403.9	319.4	349.7	403.2	432.5	445.3	449.7	414.4	381.6	313.8	317.6	390.0	449.7

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	88.7%	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%	97.3%	97.3%	94.8%	95.7%	92.9%
	2016	87.6%	90.3%	94.6%	97.0%	91.4%	95.0%	96.6%	97.9%	93.8%	95.2%	87.6%	90.0%	87.9%	96.6%
Projected	2017	88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%
	2018	88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.1%	96.0%
	2019	88.6%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.1%	96.0%
	2020	88.6%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.1%	96.0%
	2021	88.6%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.1%	96.0%
	2022	88.6%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.2%	96.0%
	2023	88.6%	89.9%	91.2%	94.5%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.1%	96.0%
	2024	88.6%	89.9%	91.2%	94.5%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2025	88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2026	88.6%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
2007-2016		91.2%	89.4%	91.4%	94.1%	95.5%	95.1%	95.5%	96.2%	94.3%	95.9%	90.5%	89.0%	92.3%	96.2%
2017-2026		88.6%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%

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), Starke (Sep-35)

FMPA 2017 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)				
		Year		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)
Historical	2007	2,035,888	-	2,049,434	-	0.7%	364.2	-	395.9	-	8.7%	449.2	-	438.6	-	-2.4%
	2008	1,960,379	-3.7%	1,969,052	-3.9%	0.4%	395.4	8.6%	390.6	-1.3%	-1.2%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,553	-1.8%	-0.3%	432.9	9.5%	414.0	6.0%	-4.4%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,064	-2.1%	-5.1%	466.6	7.8%	406.9	-1.7%	-12.8%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,901	-2.3%	-4.2%	416.1	-10.8%	415.6	2.1%	-0.1%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,963	-1.5%	0.0%	381.2	-8.4%	369.9	-11.0%	-3.0%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,625	0.2%	-0.2%	342.2	-10.2%	361.8	-2.2%	5.7%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,926	0.9%	-0.6%	371.1	8.5%	401.7	11.0%	8.2%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,891	0.6%	-2.6%	407.6	9.8%	415.3	3.4%	1.9%	419.6	3.3%	443.8	7.9%	5.8%
	2016	1,959,340	3.0%	1,890,751	2.0%	-3.5%	370.4	-9.1%	400.6	-3.5%	8.2%	429.1	2.3%	422.6	-4.8%	-1.5%
Projected	2017	1,933,159	-1.3%	1,933,159	2.2%		398.0	7.5%	398.0	-0.7%		419.3	-2.3%	419.3	-0.8%	
	2018			1,933,597	0.0%				398.9	0.2%				420.2	0.2%	
	2019			1,934,907	0.1%				398.8	0.0%				420.2	0.0%	
	2020			1,937,892	0.2%				399.7	0.2%				421.1	0.2%	
	2021			1,942,328	0.2%				400.7	0.2%				422.2	0.2%	
	2022			1,949,258	0.4%				402.1	0.4%				423.7	0.4%	
	2023			1,956,989	0.4%				403.8	0.4%				425.5	0.4%	
	2024			1,966,638	0.5%				405.7	0.5%				427.6	0.5%	
	2025			1,973,807	0.4%				407.2	0.4%				429.1	0.4%	
	2026			1,982,346	0.4%				409.0	0.4%				431.0	0.4%	
	2027			1,991,042	0.4%				410.8	0.4%				432.9	0.4%	
	2028			2,001,123	0.5%				412.8	0.5%				435.1	0.5%	
	2029			2,008,448	0.4%				414.3	0.4%				436.7	0.4%	
	2030			2,017,144	0.4%				416.1	0.4%				438.6	0.4%	
	2031			2,025,511	0.4%				417.8	0.4%				440.4	0.4%	
	2032			2,035,043	0.5%				419.8	0.5%				442.4	0.5%	
	2033			2,041,713	0.3%				421.1	0.3%				443.9	0.3%	
	2034			2,049,539	0.4%				422.7	0.4%				445.6	0.4%	
	2035			2,057,366	0.4%				424.4	0.4%				447.3	0.4%	
	2036			2,066,803	0.5%				426.3	0.5%				449.3	0.5%	
CAGR <sup>[3]</sup>	2007-2016		-0.4%		-0.9%			0.2%		0.1%			-0.5%		-0.4%	
	2017-2026				0.3%					0.3%					0.3%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

GCS is assumed to take service on the basis of a CROD of 26.5 MW beginning Jan-20



**FMPA 2017 Load Forecast - Low Economic Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	152,030	142,943	140,517	1,916,589	1,902,497
	2016	149,700	135,337	138,366	142,125	169,913	194,799	209,266	201,242	183,103	160,477	135,522	151,294	1,971,143	1,959,340
Projected	2017	154,987	133,570	140,946	144,558	165,496	183,556	191,325	197,354	174,075	155,352	137,756	151,389	1,930,364	1,933,159
	2018	155,342	134,313	141,059	143,908	166,606	183,379	191,600	198,537	174,356	155,859	138,220	151,583	1,934,763	1,933,597
	2019	155,624	134,629	140,974	143,895	166,706	183,238	191,585	198,452	174,142	155,755	138,162	151,501	1,934,662	1,934,907
	2020	155,676	136,015	141,032	144,045	166,903	183,488	191,928	198,853	174,533	156,147	138,512	151,893	1,939,027	1,937,892
	2021	156,112	135,079	141,438	144,486	167,423	184,071	192,550	199,502	175,114	156,677	138,980	152,414	1,943,846	1,942,328
	2022	156,654	135,546	141,936	145,009	168,035	184,747	193,255	200,238	175,769	157,270	139,507	152,994	1,950,958	1,949,258
	2023	157,250	136,067	142,494	145,593	168,718	185,499	194,040	201,059	176,498	157,929	140,094	153,638	1,958,879	1,956,989
	2024	157,906	137,973	143,098	146,219	169,446	186,295	194,867	201,918	177,255	158,609	140,697	154,296	1,968,579	1,966,638
	2025	158,577	137,220	143,718	146,861	170,190	187,110	195,711	202,794	178,025	159,301	141,311	154,965	1,975,781	1,973,807
	2026	159,251	137,805	144,339	147,505	170,935	187,922	196,551	203,667	178,795	159,995	141,929	155,638	1,984,331	1,982,346
Projected	2027	159,933	138,400	144,972	148,161	171,696	188,754	197,415	204,565	179,586	160,706	142,561	156,328	1,993,077	1,991,042
	2028	160,630	140,364	145,608	148,818	172,454	189,578	198,267	205,447	180,361	161,403	143,179	157,000	2,003,109	2,001,123
	2029	161,310	139,596	146,240	149,475	173,215	190,409	199,128	206,343	181,149	162,112	143,811	157,688	2,010,477	2,008,448
	2030	162,004	140,198	146,877	150,130	173,970	191,232	199,979	207,222	181,920	162,803	144,423	158,352	2,019,110	2,017,144
	2031	162,672	140,777	147,489	150,761	174,696	192,021	200,794	208,066	182,659	163,465	145,011	158,989	2,027,398	2,025,511
	2032	163,314	142,722	148,083	151,376	175,405	192,795	201,596	208,898	183,390	164,123	145,598	159,626	2,036,925	2,035,043
	2033	163,954	141,895	148,673	151,984	176,105	193,556	202,382	209,713	184,103	164,765	146,168	160,244	2,043,543	2,041,713
	2034	164,573	142,435	149,246	152,576	176,786	194,296	203,147	210,506	184,799	165,391	146,727	160,849	2,051,329	2,049,539
	2035	165,183	142,968	149,815	153,167	177,470	195,044	203,924	211,315	185,513	166,037	147,305	161,479	2,059,219	2,057,366
	2036	165,818	144,918	150,398	153,771	178,168	195,809	204,718	212,142	186,240	166,692	147,890	162,118	2,068,682	2,066,803

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.6%	6.9%	7.0%	7.2%	8.6%	9.9%	10.6%	10.2%	9.3%	8.1%	6.9%	7.7%	100.0%
Projected	2017	8.0%	6.9%	7.3%	7.5%	8.6%	9.5%	9.9%	10.2%	9.0%	8.0%	7.1%	7.8%	100.0%
	2018	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	100.0%
	2019	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	100.0%
	2020	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	100.0%
	2021	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	100.0%
	2022	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.8%	100.0%
	2023	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.8%	100.0%
	2024	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	100.0%
	2025	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.8%	100.0%
	2026	8.0%	6.9%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.2%	7.8%	100.0%
Avg.	2007-2016	8.0%	7.0%	7.2%	7.5%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.5%	100.0%
	2017-2026	8.0%	7.0%	7.3%	7.4%	8.6%	9.5%	9.9%	10.3%	9.0%	8.1%	7.1%	7.8%	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), Starke (Sep-35)



FMPA 2017 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	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	343.8	346.5	281.3	408.2	423.0
	2016	379.5	370.8	302.9	347.8	380.5	422.9	435.7	426.9	390.5	364.8	279.1	315.1	379.5	435.7
Projected	2017	402.2	371.2	301.2	324.8	378.1	416.5	408.5	426.0	394.5	356.9	279.7	315.7	402.2	426.0
	2018	403.1	372.0	301.9	325.6	379.0	417.4	409.4	427.0	395.4	357.7	279.6	315.6	403.1	427.0
	2019	403.1	372.0	302.0	325.6	379.0	417.4	409.3	427.0	395.4	357.7	280.3	316.3	403.1	427.0
	2020	403.9	372.8	302.7	326.3	379.8	418.3	410.3	427.9	396.3	358.5	280.9	317.1	403.9	427.9
	2021	404.9	373.7	303.4	327.1	380.8	419.4	411.3	429.0	397.3	359.4	282.0	318.2	404.9	429.0
	2022	406.4	375.1	304.5	328.3	382.1	420.9	412.8	430.6	398.7	360.7	283.1	319.5	406.4	430.6
	2023	408.0	376.6	305.8	329.6	383.7	422.6	414.4	432.3	400.3	362.2	284.5	321.1	408.0	432.3
	2024	410.0	378.4	307.3	331.3	385.6	424.7	416.5	434.4	402.3	364.0	285.5	322.3	410.0	434.4
	2025	411.4	379.8	308.4	332.5	387.0	426.2	418.0	436.0	403.8	365.3	286.7	323.6	411.4	436.0
Projected	2026	413.2	381.4	309.7	333.9	388.7	428.1	419.8	437.9	405.5	366.9	288.0	325.0	413.2	437.9
	2027	415.0	383.1	311.1	335.4	390.4	430.0	421.7	439.8	407.3	368.5	289.4	326.7	415.0	439.8
	2028	417.0	385.0	312.7	337.1	392.3	432.1	423.8	442.1	409.4	370.4	290.5	327.9	417.0	442.1
	2029	418.5	386.4	313.8	338.3	393.8	433.7	425.3	443.7	410.9	371.8	291.7	329.3	418.5	443.7
	2030	420.3	388.1	315.2	339.8	395.5	435.6	427.2	445.6	412.6	373.4	292.9	330.6	420.3	445.6
	2031	422.0	389.7	316.5	341.2	397.1	437.4	428.9	447.4	414.3	374.9	294.3	332.2	422.0	447.4
	2032	423.9	391.5	317.9	342.8	399.0	439.4	430.9	449.5	416.3	376.7	295.2	333.2	423.9	449.5
	2033	425.3	392.8	319.0	343.9	400.3	440.8	432.3	451.0	417.6	377.9	296.4	334.5	425.3	451.0
	2034	426.9	394.3	320.2	345.2	401.8	442.5	434.0	452.7	419.2	379.3	297.5	335.8	426.9	452.7
Projected	2035	428.5	395.8	321.4	346.5	403.3	444.2	435.6	454.4	420.8	380.8	298.9	337.3	428.5	454.4
	2036	430.5	397.6	322.9	348.1	405.2	446.3	437.6	456.5	422.8	382.5	299.8	338.4	430.5	456.5

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	59.4%	55.4%	69.4%	53.6%	51.7%
Projected	2016	53.0%	52.4%	61.4%	54.9%	66.5%	61.9%	66.7%	63.4%	65.1%	59.1%	65.3%	66.7%	59.3%	51.6%
	2017	51.8%	53.5%	62.9%	59.8%	65.1%	59.2%	65.1%	62.3%	61.3%	58.5%	66.2%	66.6%	54.8%	51.7%
	2018	51.8%	53.7%	62.8%	59.4%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.4%	66.7%	54.8%	51.7%
	2019	51.9%	53.9%	62.8%	59.4%	65.5%	59.0%	65.0%	62.5%	61.2%	58.5%	66.3%	66.5%	54.8%	51.7%
	2020	51.8%	52.4%	62.6%	59.3%	65.4%	59.0%	65.0%	62.5%	61.2%	58.5%	66.3%	66.5%	54.8%	51.7%
	2021	51.8%	53.8%	62.7%	59.4%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.3%	66.5%	54.8%	51.7%
	2022	51.8%	53.8%	62.6%	59.4%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.2%	66.5%	54.8%	51.7%
	2023	51.8%	53.8%	62.6%	59.4%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.2%	66.5%	54.8%	51.7%
	2024	51.8%	52.4%	62.6%	59.3%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.2%	66.5%	54.8%	51.7%
Avg.	2007-2016	53.9%	54.2%	61.8%	59.2%	67.9%	59.8%	65.2%	63.1%	63.1%	59.4%	61.0%	64.8%	55.3%	51.9%
	2017-2026	51.8%	53.5%	62.7%	59.4%	65.4%	59.0%	65.0%	62.5%	61.2%	58.6%	66.3%	66.5%	54.8%	51.7%

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), Starke (Sep-35)

**FMPA 2017 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	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	342.3	343.2	273.8	407.6	419.6
	2016	376.2	370.4	302.5	347.5	371.8	415.8	429.1	424.4	378.1	358.1	274.0	303.5	370.4	429.1
Projected	2017	398.0	369.0	285.0	317.0	368.0	407.9	399.3	419.3	386.2	350.3	274.5	304.1	398.0	419.3
	2018	398.9	369.9	285.7	317.7	368.9	408.7	400.2	420.2	387.1	351.2	274.5	304.0	398.9	420.2
	2019	398.8	369.8	285.7	317.7	368.8	408.7	400.1	420.2	387.0	351.2	275.1	304.7	398.8	420.2
	2020	399.7	370.6	286.3	318.5	369.7	409.6	401.0	421.1	387.9	352.0	275.8	305.5	399.7	421.1
	2021	400.7	371.5	287.0	319.3	370.6	410.6	402.0	422.2	388.9	352.8	276.8	306.6	400.7	422.2
	2022	402.1	372.9	288.1	320.4	371.9	412.1	403.5	423.7	390.3	354.1	277.9	307.8	402.1	423.7
	2023	403.8	374.4	289.3	321.7	373.5	413.8	405.1	425.5	391.9	355.6	279.2	309.3	403.8	425.5
	2024	405.7	376.2	290.7	323.3	375.3	415.8	407.1	427.6	393.8	357.4	280.3	310.4	405.7	427.6
	2025	407.2	377.6	291.8	324.5	376.7	417.3	408.6	429.1	395.3	358.7	281.5	311.8	407.2	429.1
	2026	409.0	379.2	293.0	325.9	378.3	419.1	410.4	431.0	397.0	360.2	282.7	313.2	409.0	431.0
Projected	2027	410.8	380.9	294.3	327.4	380.0	421.0	412.2	432.9	398.7	361.8	284.1	314.7	410.8	432.9
	2028	412.8	382.8	295.8	329.0	381.9	423.1	414.3	435.1	400.8	363.7	285.2	315.9	412.8	435.1
	2029	414.3	384.2	296.9	330.2	383.3	424.7	415.8	436.7	402.2	365.0	286.4	317.2	414.3	436.7
	2030	416.1	385.8	298.2	331.7	384.9	426.5	417.6	438.6	404.0	366.6	287.6	318.5	416.1	438.6
	2031	417.8	387.4	299.4	333.0	386.5	428.2	419.3	440.4	405.6	368.1	288.9	320.0	417.8	440.4
	2032	419.8	389.2	300.8	334.6	388.3	430.2	421.2	442.4	407.5	369.8	289.9	321.1	419.8	442.4
	2033	421.1	390.5	301.8	335.7	389.6	431.7	422.6	443.9	408.9	371.0	291.0	322.3	421.1	443.9
	2034	422.7	392.0	302.9	337.0	391.1	433.3	424.2	445.6	410.4	372.4	292.1	323.6	422.7	445.6
	2035	424.4	393.5	304.1	338.3	392.6	435.0	425.9	447.3	412.0	373.9	293.4	325.1	424.4	447.3
	2036	426.3	395.3	305.5	339.8	394.4	437.0	427.8	449.3	413.9	375.6	294.4	326.1	426.3	449.3

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.6%	99.0%	97.3%	99.8%	99.2%
	2016	99.1%	99.9%	99.9%	99.9%	97.7%	98.3%	98.5%	99.4%	96.8%	98.2%	98.2%	96.3%	97.6%	98.5%
Projected	2017	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2018	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2019	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2020	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2021	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2022	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2023	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2024	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2025	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2007-2016	99.4%	99.3%	95.0%	97.7%	97.3%	98.1%	97.5%	98.5%	98.0%	98.2%	93.4%	95.2%	98.8%	98.2%
	2017-2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	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), Starke (Sep-35)

Appendix F  
SEVERE/MILD WEATHER SCENARIOS

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FMPA 2017 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)				
		Year		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)
Historical	2007	7,209,394	-	7,191,917	-	-0.2%	1,202.3	-	1,306.8	-	8.7%	1,521.2	-	1,506.5	-	-1.0%
	2008	7,091,611	-1.6%	7,069,598	-1.7%	-0.3%	1,330.2	10.6%	1,338.8	2.5%	0.7%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,822,525	-3.5%	-0.4%	1,418.5	6.6%	1,317.8	-1.6%	-7.1%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,172,882	-9.5%	-4.6%	1,412.0	-0.5%	1,200.9	-8.9%	-15.0%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,923,008	-4.0%	-3.6%	1,258.3	-10.9%	1,250.6	4.1%	-0.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,943,517	0.3%	0.5%	1,096.7	-12.8%	1,100.8	-12.0%	0.4%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,931,424	-0.2%	0.3%	1,009.9	-7.9%	1,040.9	-5.4%	3.1%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,339	-4.6%	-1.3%	996.9	-1.3%	1,125.6	8.1%	12.9%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,627,970	-0.5%	-2.6%	1,128.5	13.2%	1,063.2	-5.5%	-5.8%	1,194.4	0.8%	1,250.8	4.9%	4.7%
	2016	5,981,790	3.5%	5,779,315	2.7%	-3.4%	1,006.1	-10.8%	1,084.0	2.0%	7.7%	1,267.7	6.1%	1,245.2	-0.4%	-1.8%
Projected	2017	6,101,870	2.0%	6,101,870	5.6%		1,119.8	11.3%	1,119.8	3.3%		1,279.2	0.9%	1,279.2	2.7%	
	2018			6,188,867	1.4%				1,135.6	1.4%				1,297.1	1.4%	
	2019			6,262,421	1.2%				1,149.1	1.2%				1,312.2	1.2%	
	2020			6,318,508	0.9%				1,159.7	0.9%				1,324.4	0.9%	
	2021			6,375,024	0.9%				1,171.5	1.0%				1,337.8	1.0%	
	2022			6,444,002	1.1%				1,184.5	1.1%				1,352.4	1.1%	
	2023			6,511,547	1.0%				1,196.9	1.0%				1,367.2	1.1%	
	2024			6,582,917	1.1%				1,210.5	1.1%				1,382.6	1.1%	
	2025			6,645,768	1.0%				1,222.4	1.0%				1,396.0	1.0%	
	2026			6,710,716	1.0%				1,234.4	1.0%				1,410.3	1.0%	
	2027			6,776,494	1.0%				1,246.8	1.0%				1,424.6	1.0%	
	2028			6,847,693	1.1%				1,260.1	1.1%				1,440.0	1.1%	
	2029			6,905,716	0.8%				1,271.0	0.9%				1,452.5	0.9%	
	2030			6,967,074	0.9%				1,282.6	0.9%				1,465.8	0.9%	
	2031			7,028,068	0.9%				1,294.1	0.9%				1,479.1	0.9%	
	2032			7,093,412	0.9%				1,306.5	1.0%				1,493.3	1.0%	
	2033			7,147,020	0.8%				1,316.6	0.8%				1,504.9	0.8%	
	2034			7,205,000	0.8%				1,327.7	0.8%				1,517.5	0.8%	
	2035			7,263,511	0.8%				1,338.9	0.8%				1,530.4	0.8%	
	2036			7,242,017	-0.3%				1,333.6	-0.4%				1,526.2	-0.3%	
CAGR <sup>[3]</sup>	2007-2016		-2.1%		-2.4%			-2.0%		-2.1%			-2.0%		-2.1%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				0.7%					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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

# FMPA 2017 Load Forecast - Severe Weather Case

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,904	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	477,199	447,017	436,736	5,876,322	5,777,052
	2016	434,986	397,529	428,066	436,669	517,921	586,159	645,813	615,145	558,551	493,217	412,244	460,180	5,986,480	5,981,790
Projected	2017	501,939	434,628	432,804	437,543	507,845	575,429	632,497	642,985	570,557	500,660	420,231	466,652	6,123,771	6,101,870
	2018	509,473	441,471	438,517	442,506	515,497	582,603	640,863	652,470	577,924	507,463	425,888	472,652	6,207,328	6,188,867
	2019	516,023	447,004	443,486	447,510	521,492	589,056	647,962	659,726	584,161	512,747	430,333	477,611	6,277,109	6,262,421
	2020	520,055	454,831	446,527	450,691	525,379	593,598	653,021	665,010	588,705	516,565	433,290	481,024	6,328,696	6,318,508
	2021	525,449	455,032	451,039	455,247	530,787	599,783	659,843	672,080	594,886	522,158	437,954	486,304	6,390,561	6,375,024
	2022	531,230	459,974	455,799	460,046	536,488	606,290	666,974	679,452	601,334	527,543	442,386	491,310	6,458,825	6,444,002
	2023	536,741	464,672	460,552	464,819	542,153	612,758	674,089	686,797	607,726	533,065	446,934	496,448	6,526,755	6,511,547
	2024	542,384	474,136	465,169	469,441	547,631	619,001	680,947	693,877	613,883	538,585	451,505	501,612	6,598,173	6,582,917
	2025	548,053	474,302	469,848	474,137	553,218	625,368	687,920	701,071	620,147	543,799	455,778	506,437	6,660,079	6,645,768
Projected	2026	553,372	478,818	474,391	478,696	558,644	631,572	694,756	708,145	626,306	549,126	460,162	511,421	6,725,410	6,710,716
	2027	558,864	483,477	478,946	483,262	564,079	637,794	701,618	715,250	632,497	554,483	464,570	516,444	6,791,282	6,776,494
	2028	564,437	493,179	483,549	487,868	569,565	644,069	708,519	722,360	638,649	559,761	468,873	521,295	6,862,123	6,847,693
	2029	569,758	492,701	487,936	492,241	574,742	649,964	714,981	729,029	644,435	564,748	472,980	525,957	6,919,473	6,905,716
	2030	574,902	497,060	492,191	496,504	579,813	655,763	721,360	735,629	650,167	569,691	477,045	530,566	6,980,691	6,967,074
	2031	579,997	501,385	496,422	500,743	584,860	661,539	727,721	742,213	655,885	574,621	481,099	535,159	7,041,644	7,028,068
	2032	585,067	510,908	500,597	504,916	589,817	667,199	733,938	748,637	661,455	579,417	485,044	539,622	7,106,616	7,093,412
	2033	589,982	509,849	504,699	509,020	594,692	672,761	740,047	754,953	666,932	584,134	488,929	544,017	7,160,017	7,147,020
	2034	594,836	513,963	508,711	513,040	599,479	678,238	746,079	761,206	672,368	588,826	492,800	548,406	7,217,952	7,205,000
Projected	2035	599,702	518,101	512,759	517,101	604,327	683,796	752,212	767,572	677,909	587,011	490,709	545,905	7,257,105	7,263,511
	2036	597,253	521,666	510,793	515,245	602,124	681,253	749,464	765,129	675,465	591,806	494,653	550,383	7,255,233	7,242,017

## Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.9%	9.1%	8.1%	7.6%	7.4%	100.0%
	2016	7.3%	6.6%	7.2%	7.3%	8.7%	9.8%	10.8%	10.3%	9.3%	8.2%	6.9%	7.7%	100.0%
Projected	2017	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.9%	7.6%	100.0%
	2018	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.9%	7.6%	100.0%
	2019	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.9%	7.6%	100.0%
	2020	8.2%	7.2%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.8%	7.6%	100.0%
	2021	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.9%	7.6%	100.0%
	2022	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.8%	7.6%	100.0%
	2023	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.8%	7.6%	100.0%
	2024	8.2%	7.2%	7.0%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.8%	7.6%	100.0%
	2025	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.8%	7.6%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.5%	8.8%	9.6%	10.2%	10.3%	9.3%	8.3%	6.9%	7.4%	100.0%
	2017-2026	8.2%	7.1%	7.1%	7.1%	8.3%	9.4%	10.3%	10.5%	9.3%	8.2%	6.9%	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), Starke (Sep-35)

# FMPA 2017 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	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	1,045.8	1,029.8	883.0	1,149.5	1,229.4
	2016	1,061.1	1,047.8	943.2	1,040.4	1,121.9	1,247.3	1,291.2	1,260.1	1,168.4	1,091.3	907.9	929.2	1,061.1	1,291.2
Projected	2017	1,190.7	1,144.0	932.9	1,017.8	1,166.0	1,271.6	1,280.2	1,308.0	1,219.8	1,113.2	920.0	941.7	1,190.7	1,308.0
	2018	1,207.1	1,159.8	945.8	1,031.8	1,182.2	1,289.3	1,297.9	1,326.2	1,236.7	1,128.7	930.9	952.3	1,207.1	1,326.2
	2019	1,221.1	1,173.1	956.4	1,043.5	1,195.7	1,304.1	1,312.8	1,341.5	1,250.9	1,141.6	941.1	963.0	1,221.1	1,341.5
	2020	1,232.2	1,183.0	964.4	1,052.8	1,206.5	1,316.0	1,324.9	1,353.8	1,262.3	1,151.9	947.8	969.8	1,232.2	1,353.8
	2021	1,244.4	1,194.5	973.8	1,063.2	1,218.5	1,329.1	1,338.0	1,367.4	1,274.9	1,163.3	957.9	980.2	1,244.4	1,367.4
	2022	1,258.0	1,207.0	984.1	1,074.7	1,231.7	1,343.5	1,352.5	1,382.2	1,288.7	1,176.0	967.6	990.0	1,258.0	1,382.2
	2023	1,270.9	1,219.6	994.4	1,086.2	1,245.0	1,358.0	1,367.1	1,397.2	1,302.7	1,188.7	978.3	1,000.8	1,270.9	1,397.2
	2024	1,285.0	1,232.7	1,005.2	1,098.3	1,258.9	1,373.1	1,382.4	1,412.8	1,317.2	1,202.0	987.5	1,010.1	1,285.0	1,412.8
	2025	1,297.3	1,244.2	1,014.6	1,108.7	1,270.9	1,386.2	1,395.6	1,426.4	1,329.8	1,213.5	996.8	1,019.6	1,297.3	1,426.4
Projected	2026	1,309.8	1,256.3	1,024.5	1,119.8	1,283.7	1,400.2	1,409.6	1,440.8	1,343.3	1,225.7	1,006.4	1,029.4	1,309.8	1,440.8
	2027	1,322.7	1,268.4	1,034.5	1,131.0	1,296.5	1,414.2	1,423.7	1,455.3	1,356.7	1,238.0	1,016.8	1,039.9	1,322.7	1,455.3
	2028	1,336.5	1,281.3	1,045.2	1,143.0	1,310.3	1,429.3	1,438.9	1,470.9	1,371.2	1,251.2	1,025.2	1,048.5	1,336.5	1,470.9
	2029	1,347.7	1,292.0	1,053.9	1,152.7	1,321.5	1,441.5	1,451.2	1,483.5	1,383.0	1,261.9	1,034.2	1,057.6	1,347.7	1,483.5
	2030	1,359.8	1,303.3	1,063.2	1,163.1	1,333.5	1,454.5	1,464.3	1,497.0	1,395.5	1,273.4	1,043.1	1,066.7	1,359.8	1,497.0
	2031	1,371.7	1,314.6	1,072.4	1,173.4	1,345.4	1,467.5	1,477.4	1,510.4	1,408.0	1,284.8	1,052.6	1,076.4	1,371.7	1,510.4
	2032	1,384.5	1,326.6	1,082.3	1,184.4	1,358.1	1,481.4	1,491.4	1,524.7	1,421.3	1,296.9	1,060.4	1,084.4	1,384.5	1,524.7
	2033	1,395.0	1,336.6	1,090.4	1,193.5	1,368.5	1,492.8	1,502.9	1,536.5	1,432.3	1,306.9	1,068.9	1,093.1	1,395.0	1,536.5
	2034	1,406.5	1,347.4	1,099.1	1,203.3	1,379.8	1,505.1	1,515.3	1,549.3	1,444.2	1,317.7	1,077.6	1,101.9	1,406.5	1,549.3
Projected	2035	1,418.0	1,358.4	1,108.0	1,213.2	1,391.3	1,517.7	1,527.9	1,562.3	1,456.2	1,313.5	1,074.0	1,096.0	1,418.0	1,562.3
	2036	1,412.6	1,353.4	1,104.0	1,209.8	1,387.6	1,513.7	1,523.8	1,557.9	1,452.4	1,325.5	1,081.9	1,104.1	1,412.6	1,557.9

### Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.3%	58.3%	68.7%	58.4%	54.6%
	2016	55.1%	54.5%	61.0%	56.4%	68.7%	63.2%	69.5%	65.6%	66.4%	60.7%	61.0%	68.8%	64.4%	52.9%
Projected	2017	56.7%	56.5%	62.4%	57.8%	64.8%	60.8%	68.6%	66.1%	65.0%	60.4%	61.4%	68.8%	58.7%	53.4%
	2018	56.7%	56.6%	62.3%	57.6%	64.9%	60.7%	68.6%	66.1%	64.9%	60.4%	61.5%	68.9%	58.7%	53.4%
	2019	56.8%	56.7%	62.3%	57.6%	64.9%	60.7%	68.5%	66.1%	64.9%	60.4%	61.5%	68.9%	58.7%	53.4%
	2020	56.7%	55.2%	62.2%	57.5%	64.8%	60.6%	68.5%	66.0%	64.8%	60.3%	61.4%	68.9%	58.6%	53.4%
	2021	56.8%	56.7%	62.3%	57.6%	64.8%	60.7%	68.5%	66.1%	64.8%	60.3%	61.5%	68.9%	58.6%	53.4%
	2022	56.8%	56.7%	62.3%	57.5%	64.8%	60.7%	68.5%	66.1%	64.8%	60.3%	61.4%	68.9%	58.6%	53.3%
	2023	56.8%	56.7%	62.2%	57.5%	64.8%	60.6%	68.5%	66.1%	64.8%	60.3%	61.4%	68.9%	58.6%	53.3%
	2024	56.7%	55.3%	62.2%	57.5%	64.7%	60.6%	68.4%	66.0%	64.7%	60.2%	61.5%	69.0%	58.6%	53.3%
	2025	56.8%	56.7%	62.2%	57.5%	64.8%	60.6%	68.5%	66.1%	64.8%	60.2%	61.5%	69.0%	58.6%	53.3%
Avg.	2007-2016	55.6%	56.3%	62.1%	60.4%	70.1%	62.3%	68.1%	66.0%	65.3%	61.6%	59.9%	66.0%	58.6%	53.7%
	2017-2026	56.7%	56.4%	62.3%	57.6%	64.8%	60.7%	68.5%	66.1%	64.8%	60.3%	61.4%	68.9%	58.6%	53.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	1,029.9	1,009.9	853.9	1,128.5	1,194.4
	2016	1,001.8	1,006.1	909.0	1,024.0	1,068.4	1,216.1	1,267.7	1,247.5	1,112.4	1,060.9	834.6	868.5	1,006.1	1,267.7
Projected	2017	1,119.8	1,090.4	871.3	981.6	1,129.6	1,235.3	1,236.4	1,279.2	1,173.2	1,082.1	845.9	880.2	1,119.8	1,279.2
	2018	1,135.6	1,105.7	883.3	995.2	1,145.3	1,252.5	1,253.6	1,297.1	1,189.6	1,097.2	856.1	890.4	1,135.6	1,297.1
	2019	1,149.1	1,118.8	893.4	1,006.6	1,158.5	1,267.1	1,268.1	1,312.2	1,203.4	1,109.8	865.6	900.5	1,149.1	1,312.2
	2020	1,159.7	1,128.5	900.9	1,015.5	1,169.0	1,278.7	1,279.8	1,324.4	1,214.3	1,119.9	871.7	906.9	1,159.7	1,324.4
	2021	1,171.5	1,139.7	909.7	1,025.6	1,180.6	1,291.6	1,292.6	1,337.8	1,226.5	1,131.1	881.1	916.8	1,171.5	1,337.8
	2022	1,184.5	1,151.9	919.4	1,036.7	1,193.5	1,305.7	1,306.7	1,352.4	1,239.9	1,143.5	890.1	926.1	1,184.5	1,352.4
	2023	1,196.9	1,164.2	929.2	1,047.9	1,206.4	1,320.0	1,320.9	1,367.2	1,253.4	1,156.0	900.0	936.3	1,196.9	1,367.2
	2024	1,210.5	1,177.1	939.4	1,059.7	1,219.9	1,334.9	1,335.7	1,382.6	1,267.5	1,169.0	908.6	945.2	1,210.5	1,382.6
	2025	1,222.4	1,188.4	948.3	1,069.8	1,231.6	1,347.8	1,348.6	1,396.0	1,279.7	1,180.3	917.3	954.2	1,222.4	1,396.0
	2026	1,234.4	1,200.2	957.7	1,080.6	1,244.1	1,361.5	1,362.3	1,410.3	1,292.6	1,192.3	926.3	963.6	1,234.4	1,410.3
Projected	2027	1,246.8	1,212.1	967.2	1,091.4	1,256.6	1,375.3	1,376.0	1,424.6	1,305.7	1,204.4	935.9	973.6	1,246.8	1,424.6
	2028	1,260.1	1,224.9	977.3	1,103.1	1,270.0	1,390.1	1,390.8	1,440.0	1,319.7	1,217.4	943.7	981.7	1,260.1	1,440.0
	2029	1,271.0	1,235.4	985.6	1,112.6	1,280.9	1,402.2	1,402.8	1,452.5	1,331.1	1,227.8	952.1	990.4	1,271.0	1,452.5
	2030	1,282.6	1,246.5	994.3	1,122.6	1,292.6	1,415.0	1,415.6	1,465.8	1,343.2	1,239.1	960.4	999.1	1,282.6	1,465.8
	2031	1,294.1	1,257.6	1,003.1	1,132.7	1,304.1	1,427.8	1,428.3	1,479.1	1,355.3	1,250.2	969.3	1,008.3	1,294.1	1,479.1
	2032	1,306.5	1,269.4	1,012.4	1,143.4	1,316.5	1,441.4	1,441.9	1,493.3	1,368.2	1,262.2	976.6	1,015.9	1,306.5	1,493.3
	2033	1,316.6	1,279.3	1,020.1	1,152.2	1,326.7	1,452.7	1,453.1	1,504.9	1,378.8	1,271.9	984.6	1,024.2	1,316.6	1,504.9
	2034	1,327.7	1,289.9	1,028.4	1,161.7	1,337.7	1,464.8	1,465.2	1,517.5	1,390.3	1,282.5	992.6	1,032.6	1,327.7	1,517.5
	2035	1,338.9	1,300.7	1,036.8	1,171.4	1,348.9	1,477.2	1,477.5	1,530.4	1,402.0	1,278.8	988.9	1,027.5	1,338.9	1,530.4
	2036	1,333.6	1,295.8	1,032.9	1,167.7	1,345.2	1,473.4	1,473.7	1,526.2	1,398.4	1,290.7	996.2	1,035.2	1,333.6	1,526.2

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.5%	98.1%	96.7%	98.2%	97.2%
	2016	94.4%	96.0%	96.4%	98.4%	95.2%	97.5%	98.2%	99.0%	95.2%	97.2%	91.9%	93.5%	94.8%	98.2%
Projected	2017	94.1%	95.3%	93.4%	96.4%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.1%	97.8%
	2018	94.1%	95.3%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2019	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2020	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2021	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2022	94.2%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.2%	97.8%
	2023	94.2%	95.5%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.2%	92.0%	93.6%	94.2%	97.9%
	2024	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2025	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2026	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2007-2016	95.4%	94.7%	93.6%	95.6%	96.8%	97.0%	96.6%	97.5%	96.0%	97.3%	92.5%	92.6%	96.1%	97.6%
	2017-2026	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%

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), Starke (Sep-35)



FMPA 2017 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	2007	3,720,003	-	3,687,774	-	-0.9%	588.1	-	646.5	-	9.9%	750.9	-	746.3	-	-0.6%
	2008	3,682,412	-1.0%	3,641,591	-1.3%	-1.1%	670.8	14.1%	689.6	6.7%	2.8%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,504,521	-3.8%	-0.3%	709.9	5.8%	648.9	-5.9%	-8.6%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,920,109	-16.7%	-4.1%	631.0	-11.1%	516.3	-20.4%	-18.2%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,712,828	-7.1%	-3.3%	544.4	-13.7%	547.1	6.0%	0.5%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,728,592	0.6%	0.7%	469.7	-13.7%	482.2	-11.8%	2.7%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,709,186	-0.7%	0.6%	425.0	-9.5%	447.8	-7.2%	5.4%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,291	-11.6%	-1.7%	384.4	-9.5%	434.0	-3.1%	12.9%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,314,553	-3.4%	-2.2%	456.4	18.7%	408.2	-6.0%	-10.6%	444.3	-1.7%	466.8	1.5%	5.1%
	2016	2,436,956	3.0%	2,366,496	2.2%	-2.9%	384.8	-15.7%	423.0	3.6%	9.9%	484.9	9.1%	472.0	1.1%	-2.7%
Projected	2017	2,475,793	1.6%	2,475,793	4.6%		418.2	8.7%	418.2	-1.1%		482.3	-0.5%	482.3	2.2%	
	2018			2,504,557	1.2%				422.3	1.0%				486.8	0.9%	
	2019			2,522,016	0.7%				425.6	0.8%				490.2	0.7%	
	2020			2,522,081	0.0%				425.7	0.0%				489.9	0.0%	
	2021			2,529,389	0.3%				428.0	0.6%				492.4	0.5%	
	2022			2,543,551	0.6%				430.7	0.6%				494.9	0.5%	
	2023			2,555,091	0.5%				432.5	0.4%				497.3	0.5%	
	2024			2,566,380	0.4%				434.9	0.5%				499.6	0.5%	
	2025			2,578,076	0.5%				437.1	0.5%				501.7	0.4%	
	2026			2,587,415	0.4%				438.7	0.4%				503.7	0.4%	
	2027			2,597,097	0.4%				440.5	0.4%				505.7	0.4%	
	2028			2,606,684	0.4%				442.4	0.4%				507.6	0.4%	
	2029			2,615,847	0.4%				444.1	0.4%				509.5	0.4%	
	2030			2,624,816	0.3%				445.9	0.4%				511.3	0.4%	
	2031			2,633,586	0.3%				447.7	0.4%				513.1	0.4%	
	2032			2,642,643	0.3%				449.5	0.4%				514.9	0.4%	
	2033			2,651,259	0.3%				451.2	0.4%				516.7	0.3%	
	2034			2,660,010	0.3%				453.1	0.4%				518.5	0.3%	
	2035			2,668,649	0.3%				454.9	0.4%				520.3	0.3%	
	2036			2,590,908	-2.9%				438.9	-3.5%				503.7	-3.2%	
CAGR <sup>[3]</sup>	2007-2016		-4.6%		-4.8%			-4.6%		-4.6%			-4.7%		-5.0%	
	2017-2026				0.5%					0.5%					0.5%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Severe Weather Case**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	266,902	222,076	188,245	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	198,016	185,657	180,873	2,413,205	2,366,430
	2016	176,709	160,492	176,455	177,928	209,878	234,796	261,639	250,374	224,138	202,391	170,704	177,784	2,423,288	2,436,956
Projected	2017	200,082	180,784	178,128	179,106	204,554	230,906	258,162	259,441	233,751	207,988	173,147	180,470	2,486,518	2,475,793
	2018	202,849	182,977	179,891	180,825	206,391	232,824	260,268	261,471	235,455	209,674	174,552	181,949	2,509,128	2,504,557
	2019	204,458	184,275	181,103	181,985	207,742	234,316	261,857	263,099	237,006	210,821	175,544	183,012	2,525,218	2,522,016
	2020	204,216	184,221	180,593	181,522	207,316	233,958	261,505	262,731	236,642	210,361	174,962	182,354	2,520,380	2,522,081
	2021	205,190	184,931	181,398	182,322	208,261	235,054	262,757	264,002	237,797	211,593	176,021	183,465	2,532,791	2,529,389
	2022	206,442	186,046	182,365	183,281	209,381	236,330	264,156	265,406	239,066	212,487	176,745	184,192	2,545,896	2,543,551
	2023	207,314	186,819	183,232	184,127	210,367	237,466	265,439	266,691	240,213	213,470	177,554	185,030	2,557,723	2,555,091
	2024	208,320	187,853	183,997	184,869	211,231	238,462	266,565	267,814	241,214	214,526	178,448	185,954	2,569,253	2,566,380
	2025	209,382	188,634	184,809	185,662	212,163	239,522	267,732	268,980	242,264	215,233	179,017	186,525	2,579,923	2,578,076
Projected	2026	210,095	189,261	185,507	186,338	212,958	240,447	268,785	270,038	243,210	216,041	179,682	187,216	2,589,579	2,587,415
	2027	210,937	189,993	186,184	186,992	213,726	241,341	269,802	271,059	244,123	216,822	180,326	187,891	2,599,196	2,597,097
	2028	211,763	190,870	186,836	187,622	214,470	242,211	270,795	272,060	245,019	217,584	180,952	188,542	2,608,724	2,606,684
	2029	212,566	191,408	187,497	188,256	215,216	243,082	271,786	273,055	245,905	218,335	181,570	189,184	2,617,857	2,615,847
	2030	213,361	192,094	188,118	188,852	215,919	243,907	272,727	274,001	246,748	219,046	182,151	189,786	2,626,711	2,624,816
	2031	214,120	192,752	188,724	189,433	216,613	244,728	273,671	274,957	247,605	219,776	182,755	190,419	2,635,553	2,633,586
	2032	214,910	193,589	189,341	190,024	217,314	245,552	274,612	275,903	248,447	220,486	183,337	191,020	2,644,536	2,642,643
	2033	215,668	194,086	189,956	190,612	218,014	246,376	275,556	276,854	249,295	221,199	183,924	191,631	2,653,170	2,651,259
	2034	216,448	194,758	190,556	191,184	218,699	247,187	276,491	277,797	250,136	221,907	184,506	192,236	2,661,906	2,660,010
	2035	217,218	195,420	191,151	191,751	219,376	247,988	277,409	278,724	250,962	216,002	179,041	185,844	2,650,886	2,668,649
	2036	210,555	190,092	185,658	186,331	212,925	240,600	269,359	270,761	243,741	216,658	179,576	186,397	2,592,652	2,590,908

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.2%	6.6%	7.4%	7.9%	8.9%	9.5%	10.1%	9.9%	9.1%	8.2%	7.7%	7.5%	100.0%
	2016	7.3%	6.6%	7.3%	7.3%	8.7%	9.7%	10.8%	10.3%	9.2%	8.4%	7.0%	7.3%	100.0%
Projected	2017	8.0%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.4%	7.0%	7.3%	100.0%
	2018	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.4%	7.0%	7.3%	100.0%
	2019	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	7.0%	7.2%	100.0%
	2020	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	100.0%
	2021	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.4%	6.9%	7.2%	100.0%
	2022	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	100.0%
	2023	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	100.0%
	2024	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	100.0%
	2025	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.2%	10.3%	9.3%	8.4%	7.0%	7.3%	100.0%
	2017-2026	8.1%	7.3%	7.2%	7.2%	8.2%	9.3%	10.4%	10.4%	9.4%	8.3%	6.9%	7.2%	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), Starke (Sep-35)

**FMPA 2017 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	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	408.9	401.6	358.8	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	422.2	382.6	378.8	437.5	501.8
Projected	2017	471.8	479.9	376.4	397.8	451.1	489.8	502.4	501.9	471.0	429.7	386.1	382.4	479.9	502.4
	2018	476.3	484.6	379.9	401.4	455.3	494.4	507.1	506.5	475.4	433.7	389.3	385.1	484.6	507.1
	2019	479.8	488.2	382.4	404.0	458.3	497.7	510.5	510.0	478.6	436.5	391.4	387.4	488.2	510.5
	2020	480.0	488.0	381.7	403.5	458.0	497.5	510.4	509.8	478.3	436.1	390.9	386.9	488.0	510.4
	2021	482.6	490.6	383.6	405.5	460.3	500.0	513.0	512.3	480.7	438.3	393.0	389.2	490.6	513.0
	2022	485.5	493.2	385.5	407.5	462.6	502.5	515.6	514.9	483.2	440.5	394.8	390.8	493.2	515.6
	2023	487.6	495.8	387.4	409.5	464.8	504.9	518.2	517.4	485.5	442.6	396.7	392.7	495.8	518.2
	2024	490.1	498.2	389.1	411.3	466.9	507.2	520.6	519.8	487.7	444.5	398.6	394.6	498.2	520.6
	2025	492.5	500.5	390.7	412.9	468.9	509.3	522.8	522.0	489.7	446.4	399.9	395.9	500.5	522.8
Projected	2026	494.2	502.6	392.2	414.5	470.7	511.3	524.9	524.0	491.7	448.1	401.4	397.4	502.6	524.9
	2027	496.2	504.7	393.6	416.1	472.5	513.3	526.9	526.0	493.5	449.7	402.9	399.0	504.7	526.9
	2028	498.2	506.7	395.0	417.6	474.2	515.2	528.9	528.0	495.4	451.4	404.4	400.5	506.7	528.9
	2029	500.1	508.7	396.4	419.0	476.0	517.1	530.9	529.9	497.2	453.0	405.8	401.9	508.7	530.9
	2030	502.0	510.7	397.8	420.4	477.6	518.9	532.7	531.8	498.9	454.5	407.2	403.4	510.7	532.7
	2031	503.9	512.7	399.1	421.9	479.2	520.7	534.6	533.7	500.6	456.1	408.6	404.8	512.7	534.6
	2032	505.8	514.7	400.4	423.3	480.9	522.5	536.6	535.5	502.4	457.6	410.0	406.2	514.7	536.6
	2033	507.6	516.6	401.8	424.7	482.5	524.3	538.4	537.4	504.1	459.1	411.4	407.7	516.6	538.4
	2034	509.6	518.6	403.1	426.1	484.2	526.1	540.3	539.2	505.8	460.7	412.8	409.1	518.6	540.3
Projected	2035	511.5	520.6	404.4	427.4	485.8	527.9	542.2	541.1	507.5	446.9	401.1	395.0	520.6	542.2
	2036	495.2	505.6	391.7	414.3	471.0	511.8	526.0	524.2	492.1	448.4	402.4	396.3	505.6	526.0

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	65.1%	62.1%	70.0%	57.8%	57.6%
Projected	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	64.4%	60.0%	65.2%	63.2%	55.1%
	2017	57.0%	56.1%	63.6%	60.5%	67.5%	63.4%	71.4%	69.5%	68.9%	65.1%	60.3%	65.6%	59.2%	56.5%
	2018	57.2%	56.2%	63.6%	60.5%	67.5%	63.3%	71.3%	69.4%	68.8%	65.0%	60.3%	65.6%	59.1%	56.5%
	2019	57.3%	56.2%	63.7%	60.6%	67.5%	63.3%	71.2%	69.3%	68.8%	64.9%	60.3%	65.6%	59.0%	56.5%
	2020	57.2%	54.2%	63.6%	60.5%	67.4%	63.2%	71.2%	69.3%	68.7%	64.8%	60.2%	65.5%	59.0%	56.4%
	2021	57.1%	56.1%	63.6%	60.4%	67.3%	63.2%	71.1%	69.3%	68.7%	64.9%	60.2%	65.5%	58.9%	56.4%
	2022	57.1%	56.1%	63.6%	60.4%	67.4%	63.2%	71.2%	69.3%	68.7%	64.8%	60.2%	65.5%	58.9%	56.4%
	2023	57.2%	56.1%	63.6%	60.4%	67.3%	63.2%	71.1%	69.3%	68.7%	64.8%	60.2%	65.4%	58.9%	56.3%
	2024	57.1%	54.2%	63.6%	60.4%	67.3%	63.2%	71.1%	69.2%	68.7%	64.9%	60.2%	65.5%	58.9%	56.3%
Projected	2025	57.1%	56.1%	63.6%	60.4%	67.3%	63.2%	71.1%	69.3%	68.7%	64.8%	60.2%	65.4%	58.8%	56.3%
	2026	57.1%	56.0%	63.6%	60.4%	67.3%	63.2%	71.1%	69.3%	68.7%	64.8%	60.2%	65.4%	58.8%	56.3%
Avg.	2007-2016	55.7%	56.4%	62.6%	62.9%	73.1%	65.0%	70.7%	69.1%	67.8%	64.7%	59.9%	65.6%	58.8%	56.1%
	2017-2026	57.2%	55.7%	63.6%	60.5%	67.4%	63.2%	71.2%	69.3%	68.7%	64.9%	60.2%	65.5%	59.0%	56.4%

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), Starke (Sep-35)

**FMPA 2017 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	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	397.9	390.9	340.3	456.4	444.3
	2016	383.2	384.8	358.7	388.2	394.5	457.4	484.9	474.4	425.5	402.0	335.5	341.2	384.8	484.9
Projected	2017	418.2	431.7	343.5	376.2	432.5	463.8	476.8	482.3	444.4	409.1	338.7	344.5	418.2	482.3
	2018	422.3	436.0	346.6	379.6	436.4	468.1	481.3	486.8	448.5	412.9	341.5	347.0	422.3	486.8
	2019	425.6	439.6	349.0	382.0	439.3	471.3	484.5	490.2	451.5	415.5	343.4	349.1	425.6	490.2
	2020	425.7	439.2	348.3	381.5	439.0	471.0	484.4	489.9	451.2	415.1	342.8	348.5	425.7	489.9
	2021	428.0	441.6	350.0	383.3	441.2	473.3	486.9	492.4	453.4	417.1	344.7	350.6	428.0	492.4
	2022	430.7	444.0	351.8	385.2	443.4	475.7	489.4	494.9	455.8	419.2	346.2	352.1	430.7	494.9
	2023	432.5	446.4	353.5	387.0	445.6	478.1	491.8	497.3	458.0	421.2	347.9	353.9	432.5	497.3
	2024	434.9	448.7	355.0	388.7	447.6	480.2	494.1	499.6	460.1	423.1	349.6	355.6	434.9	499.6
	2025	437.1	450.8	356.5	390.3	449.4	482.2	496.2	501.7	462.0	424.8	350.7	356.8	437.1	501.7
Projected	2026	438.7	452.8	357.9	391.8	451.2	484.1	498.2	503.7	463.8	426.5	352.1	358.2	438.7	503.7
	2027	440.5	454.7	359.3	393.2	452.9	486.0	500.2	505.7	465.6	428.1	353.5	359.7	440.5	505.7
	2028	442.4	456.7	360.6	394.7	454.6	487.8	502.1	507.6	467.3	429.6	354.7	361.0	442.4	507.6
	2029	444.1	458.6	361.9	396.0	456.2	489.5	504.0	509.5	469.0	431.1	356.0	362.4	444.1	509.5
	2030	445.9	460.4	363.1	397.3	457.8	491.2	505.8	511.3	470.6	432.6	357.3	363.7	445.9	511.3
	2031	447.7	462.3	364.4	398.7	459.4	493.0	507.6	513.1	472.3	434.1	358.6	365.1	447.7	513.1
	2032	449.5	464.2	365.6	400.0	461.0	494.7	509.4	514.9	473.9	435.5	359.8	366.4	449.5	514.9
	2033	451.2	466.1	366.8	401.3	462.6	496.4	511.2	516.7	475.5	437.0	361.1	367.8	451.2	516.7
	2034	453.1	468.0	368.1	402.6	464.1	498.1	513.1	518.5	477.2	438.4	362.3	369.1	453.1	518.5
Projected	2035	454.9	469.9	369.3	403.9	465.7	499.8	514.8	520.3	478.8	425.4	350.9	356.1	454.9	520.3
	2036	438.9	455.0	357.3	390.7	451.2	484.0	499.2	503.7	463.9	426.7	352.0	357.3	438.9	503.7

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	88.7%	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%	97.3%	97.3%	94.8%	95.7%	92.9%
Projected	2016	87.6%	90.3%	94.6%	97.0%	91.4%	95.0%	96.6%	97.9%	93.8%	95.2%	87.7%	90.1%	87.9%	96.6%
	2017	88.6%	90.0%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.1%	96.0%
	2018	88.6%	90.0%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.1%	96.0%
	2019	88.7%	90.0%	91.3%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.1%	87.2%	96.0%
	2020	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
	2021	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2022	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2023	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%
	2024	88.7%	90.1%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
Projected	2025	88.8%	90.1%	91.3%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
	2026	88.8%	90.1%	91.3%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.3%	96.0%
Projected	2007-2016	91.2%	89.4%	91.4%	94.1%	95.5%	95.1%	95.5%	96.2%	94.3%	95.9%	90.5%	89.0%	92.3%	96.2%
	2017-2026	88.7%	90.0%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.1%	87.2%	96.0%

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), Starke (Sep-35)

**FMPA 2017 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)				
		Year	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
Historical	2007	2,035,888	-	2,049,434	-	0.7%	364.2	-	395.9	-	8.7%	449.2	-	438.6	-	-2.4%
	2008	1,960,379	-3.7%	1,969,052	-3.9%	0.4%	395.4	8.6%	390.6	-1.3%	-1.2%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,553	-1.8%	-0.3%	432.9	9.5%	414.0	6.0%	-4.4%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,064	-2.1%	-5.1%	466.6	7.8%	406.9	-1.7%	-12.8%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,901	-2.3%	-4.2%	416.1	-10.8%	415.6	2.1%	-0.1%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,963	-1.5%	0.0%	381.2	-8.4%	369.9	-11.0%	-3.0%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,625	0.2%	-0.2%	342.2	-10.2%	361.8	-2.2%	5.7%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,926	0.9%	-0.6%	371.1	8.5%	401.7	11.0%	8.2%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,891	0.6%	-2.6%	407.6	9.8%	415.3	3.4%	1.9%	419.6	3.3%	443.8	7.9%	5.8%
	2016	1,959,340	3.0%	1,890,751	2.0%	-3.5%	370.4	-9.1%	400.6	-3.5%	8.2%	429.1	2.3%	422.6	-4.8%	-1.5%
Projected	2017	2,008,537	2.5%	2,008,537	6.2%		415.0	12.0%	415.0	3.6%		437.2	1.9%	437.2	3.5%	
	2018			2,037,492	1.4%				421.3	1.5%				443.9	1.5%	
	2019			2,064,039	1.3%				426.3	1.2%				449.2	1.2%	
	2020			2,087,762	1.1%				431.2	1.2%				454.4	1.2%	
	2021			2,109,584	1.0%				435.7	1.0%				459.2	1.0%	
	2022			2,132,244	1.1%				440.3	1.1%				464.1	1.1%	
	2023			2,154,720	1.1%				444.9	1.0%				469.0	1.1%	
	2024			2,178,393	1.1%				449.8	1.1%				474.1	1.1%	
	2025			2,198,940	0.9%				454.0	0.9%				478.6	0.9%	
	2026			2,220,472	1.0%				458.4	1.0%				483.2	1.0%	
	2027			2,241,896	1.0%				462.8	1.0%				487.9	1.0%	
	2028			2,264,484	1.0%				467.4	1.0%				492.8	1.0%	
	2029			2,284,000	0.9%				471.4	0.9%				497.0	0.9%	
	2030			2,304,701	0.9%				475.6	0.9%				501.5	0.9%	
	2031			2,325,098	0.9%				479.8	0.9%				506.0	0.9%	
	2032			2,346,575	0.9%				484.2	0.9%				510.6	0.9%	
	2033			2,364,730	0.8%				487.9	0.8%				514.6	0.8%	
	2034			2,384,078	0.8%				491.9	0.8%				518.8	0.8%	
	2035			2,403,424	0.8%				495.9	0.8%				523.0	0.8%	
	2036			2,424,557	0.9%				500.2	0.9%				527.6	0.9%	
CAGR <sup>[3]</sup>	2007-2016		-0.4%		-0.9%			0.2%		0.1%			-0.5%		-0.4%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Severe Weather Case**

**Duke Energy Florida Cities - Supplied**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	152,030	142,943	140,517	1,916,589	1,902,497
	2016	149,700	135,337	138,366	142,125	169,913	194,799	209,266	201,242	183,103	160,475	135,521	158,975	1,978,821	1,959,340
Projected	2017	169,933	143,077	143,363	144,996	166,166	189,424	202,566	209,808	184,233	159,897	139,275	161,090	2,013,828	2,008,537
	2018	172,499	145,787	145,396	146,246	169,475	191,719	205,482	213,751	186,874	162,443	141,522	163,322	2,044,516	2,037,492
	2019	174,944	147,957	147,156	148,093	171,707	193,919	207,943	216,205	188,829	164,225	143,101	165,018	2,069,096	2,064,039
	2020	176,788	150,941	148,708	149,721	173,564	195,989	210,211	218,581	190,914	166,077	144,715	166,846	2,093,056	2,087,762
	2021	178,726	151,203	150,374	151,417	175,511	198,170	212,542	220,992	193,010	167,908	146,308	168,654	2,114,816	2,109,584
	2022	180,623	152,812	151,994	153,060	177,403	200,288	214,800	223,338	195,056	169,702	147,880	170,438	2,137,394	2,132,244
	2023	182,487	154,406	153,606	154,698	179,291	202,397	217,047	225,674	197,093	171,487	149,443	172,207	2,159,837	2,154,720
	2024	184,332	157,434	155,197	156,314	181,154	204,478	219,264	227,980	199,103	173,248	150,986	173,953	2,183,444	2,178,393
	2025	186,155	157,551	156,783	157,922	183,004	206,542	221,458	230,255	201,082	174,980	152,503	175,663	2,203,898	2,198,940
Projected	2026	187,932	159,069	158,323	159,491	184,812	208,559	223,607	232,494	203,037	176,698	154,011	177,372	2,225,406	2,220,472
	2027	189,710	160,591	159,862	161,054	186,611	210,566	225,742	234,711	204,968	178,390	155,494	179,048	2,246,748	2,241,896
	2028	191,454	163,585	161,372	162,590	188,380	212,542	227,847	236,902	206,879	180,067	156,966	180,713	2,269,297	2,264,484
	2029	193,186	163,575	162,886	164,129	190,150	214,516	229,947	239,084	208,780	181,733	158,426	182,362	2,288,775	2,284,000
	2030	194,901	165,040	164,370	165,637	191,886	216,454	232,011	241,230	210,651	183,374	159,866	183,989	2,309,409	2,304,701
	2031	196,592	166,490	165,838	167,126	193,598	218,361	234,041	243,338	212,485	184,982	161,274	185,575	2,329,700	2,325,098
	2032	198,242	169,453	167,268	168,578	195,267	220,224	236,025	245,403	214,283	186,561	162,661	187,139	2,351,104	2,346,575
	2033	199,862	169,304	168,691	170,022	196,926	222,071	237,990	247,444	216,059	188,119	164,029	188,678	2,369,197	2,364,730
	2034	201,459	170,671	170,080	171,435	198,550	223,881	239,917	249,449	217,808	189,657	165,381	190,202	2,388,492	2,384,078
	2035	203,041	172,034	171,468	172,849	200,180	225,701	241,859	251,473	219,576	191,214	166,752	191,751	2,407,900	2,403,424
	2036	204,650	175,007	172,870	174,276	201,823	227,536	243,815	253,510	221,352	192,774	168,123	193,300	2,429,037	2,424,557

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.6%	6.8%	7.0%	7.2%	8.6%	9.8%	10.6%	10.2%	9.3%	8.1%	6.8%	8.0%	100.0%
Projected	2017	8.4%	7.1%	7.1%	7.2%	8.3%	9.4%	10.1%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2018	8.4%	7.1%	7.1%	7.2%	8.3%	9.4%	10.1%	10.5%	9.1%	7.9%	6.9%	8.0%	100.0%
	2019	8.5%	7.2%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2020	8.4%	7.2%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2021	8.5%	7.1%	7.1%	7.2%	8.3%	9.4%	10.1%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2022	8.5%	7.1%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2023	8.4%	7.1%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2024	8.4%	7.2%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
	2025	8.4%	7.1%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	100.0%
Avg.	2007-2016	8.0%	7.0%	7.2%	7.5%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.6%	100.0%
	2017-2026	8.4%	7.2%	7.1%	7.2%	8.3%	9.4%	10.0%	10.4%	9.1%	7.9%	6.9%	8.0%	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), Starke (Sep-35)

**FMPA 2017 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	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	343.8	346.5	281.3	408.2	423.0
	2016	379.5	370.8	302.9	347.8	380.5	422.9	435.7	426.9	390.5	364.8	291.3	328.8	379.5	435.7
Projected	2017	419.1	387.1	314.1	338.7	394.3	434.3	425.9	444.2	411.4	372.2	295.5	333.5	419.1	444.2
	2018	425.4	392.9	318.9	343.9	400.3	440.9	432.4	451.0	417.7	377.8	299.0	337.5	425.4	451.0
	2019	430.5	397.6	322.8	348.0	405.1	446.2	437.6	456.4	422.7	382.4	302.5	341.4	430.5	456.4
	2020	435.5	402.2	326.5	352.0	409.8	451.4	442.7	461.7	427.6	386.8	305.6	344.9	435.5	461.7
	2021	440.0	406.4	329.9	355.7	414.0	456.1	447.3	466.5	432.0	390.8	308.8	348.6	440.0	466.5
	2022	444.7	410.7	333.4	359.5	418.4	461.0	452.1	471.5	436.6	395.0	312.1	352.3	444.7	471.5
	2023	449.3	415.0	336.9	363.2	422.8	465.8	456.8	476.5	441.2	399.1	315.5	356.1	449.3	476.5
	2024	454.2	419.5	340.6	367.2	427.4	470.9	461.8	481.7	446.1	403.5	318.4	359.4	454.2	481.7
	2025	458.4	423.5	343.7	370.6	431.4	475.3	466.1	486.2	450.2	407.3	321.5	362.9	458.4	486.2
	2026	462.9	427.6	347.1	374.2	435.7	479.9	470.7	490.9	454.6	411.2	324.6	366.4	462.9	490.9
Projected	2027	467.3	431.7	350.4	377.8	439.8	484.5	475.2	495.6	459.0	415.2	327.8	370.1	467.3	495.6
	2028	472.0	436.0	353.9	381.6	444.2	489.4	479.9	500.6	463.6	419.3	330.6	373.2	472.0	500.6
	2029	476.0	439.7	356.9	384.9	448.0	493.6	484.1	504.9	467.6	422.9	333.6	376.6	476.0	504.9
	2030	480.3	443.7	360.1	388.4	452.1	498.0	488.4	509.5	471.8	426.7	336.5	379.9	480.3	509.5
	2031	484.5	447.6	363.3	391.8	456.0	502.4	492.7	513.9	475.9	430.5	339.6	383.4	484.5	513.9
	2032	488.9	451.7	366.6	395.4	460.2	507.0	497.2	518.7	480.3	434.4	342.2	386.3	488.9	518.7
	2033	492.7	455.1	369.4	398.4	463.8	510.9	501.1	522.7	484.0	437.8	345.0	389.5	492.7	522.7
	2034	496.7	458.8	372.4	401.6	467.5	515.1	505.2	526.9	487.9	441.3	347.8	392.7	496.7	526.9
	2035	500.7	462.6	375.4	404.9	471.3	519.3	509.3	531.2	491.9	444.9	350.9	396.1	500.7	531.2
	2036	505.1	466.6	378.7	408.4	475.5	523.8	513.7	535.9	496.2	448.8	353.5	399.0	505.1	535.9

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	59.4%	55.4%	69.4%	53.6%	51.7%
	2016	53.0%	52.4%	61.4%	54.9%	66.5%	61.9%	66.7%	63.4%	65.1%	59.1%	62.5%	67.2%	59.5%	51.8%
Projected	2017	54.5%	55.0%	61.3%	57.5%	62.7%	58.6%	66.1%	63.5%	62.2%	57.7%	63.4%	67.1%	54.9%	51.7%
	2018	54.5%	55.2%	61.3%	57.2%	63.0%	58.4%	66.0%	63.7%	62.1%	57.8%	63.6%	67.2%	54.9%	51.7%
	2019	54.6%	55.4%	61.3%	57.2%	63.1%	58.4%	66.0%	63.7%	62.0%	57.7%	63.6%	67.1%	54.9%	51.7%
	2020	54.6%	53.9%	61.2%	57.2%	63.0%	58.4%	66.0%	63.6%	62.0%	57.7%	63.7%	67.2%	54.9%	51.7%
	2021	54.6%	55.4%	61.3%	57.2%	63.1%	58.4%	66.0%	63.7%	62.0%	57.7%	63.7%	67.2%	54.9%	51.7%
	2022	54.6%	55.4%	61.3%	57.2%	63.1%	58.4%	66.0%	63.7%	62.0%	57.7%	63.7%	67.2%	54.9%	51.7%
	2023	54.6%	55.4%	61.3%	57.2%	63.1%	58.4%	66.0%	63.7%	62.0%	57.7%	63.7%	67.2%	54.9%	51.7%
	2024	54.6%	53.9%	61.3%	57.2%	63.1%	58.4%	65.9%	63.6%	62.0%	57.7%	63.7%	67.2%	54.9%	51.7%
	2025	54.6%	55.4%	61.3%	57.3%	63.1%	58.4%	66.0%	63.7%	62.0%	57.7%	63.8%	67.2%	54.9%	51.7%
	2026	54.6%	55.4%	61.3%	57.3%	63.1%	58.4%	66.0%	63.7%	62.0%	57.8%	63.8%	67.2%	54.9%	51.7%
Avg.	2007-2016	53.9%	54.2%	61.8%	59.2%	67.9%	59.8%	65.2%	63.1%	63.1%	59.4%	60.7%	64.8%	55.3%	52.0%
	2017-2026	54.6%	55.0%	61.3%	57.3%	63.0%	58.4%	66.0%	63.6%	62.1%	57.7%	63.7%	67.2%	54.9%	51.7%

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), Starke (Sep-35)



**FMPA 2017 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	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	342.3	343.2	273.8	407.6	419.6
	2016	376.2	370.4	302.5	347.5	371.8	415.8	429.1	424.4	378.1	358.1	285.9	316.6	370.4	429.1
Projected	2017	415.0	384.8	297.2	330.5	383.8	425.3	416.3	437.2	402.7	365.3	290.0	321.2	415.0	437.2
	2018	421.3	390.7	301.7	335.6	389.6	431.7	422.7	443.9	408.8	370.9	293.5	325.0	421.3	443.9
	2019	426.3	395.3	305.4	339.6	394.3	436.9	427.8	449.2	413.7	375.3	296.9	328.8	426.3	449.2
	2020	431.2	399.9	308.9	343.6	398.9	442.0	432.7	454.4	418.5	379.7	299.9	332.2	431.2	454.4
	2021	435.7	404.0	312.1	347.1	403.0	446.6	437.2	459.2	422.9	383.6	303.1	335.7	435.7	459.2
	2022	440.3	408.3	315.4	350.8	407.3	451.4	441.9	464.1	427.4	387.7	306.3	339.3	440.3	464.1
	2023	444.9	412.6	318.7	354.5	411.6	456.1	446.5	469.0	431.9	391.8	309.7	343.0	444.9	469.0
	2024	449.8	417.1	322.2	358.4	416.1	461.1	451.4	474.1	436.6	396.1	312.6	346.2	449.8	474.1
	2025	454.0	421.0	325.2	361.8	420.0	465.4	455.7	478.6	440.7	399.8	315.6	349.6	454.0	478.6
	2026	458.4	425.1	328.4	365.3	424.1	470.0	460.1	483.2	445.0	403.7	318.6	352.9	458.4	483.2
Projected	2027	462.8	429.2	331.5	368.8	428.1	474.5	464.5	487.9	449.3	407.6	321.8	356.5	462.8	487.9
	2028	467.4	433.5	334.8	372.5	432.4	479.3	469.2	492.8	453.8	411.7	324.6	359.5	467.4	492.8
	2029	471.4	437.2	337.7	375.7	436.1	483.4	473.2	497.0	457.7	415.2	327.5	362.8	471.4	497.0
	2030	475.6	441.1	340.7	379.1	440.1	487.8	477.5	501.5	461.8	418.9	330.4	366.0	475.6	501.5
	2031	479.8	445.0	343.7	382.4	443.9	492.1	481.7	506.0	465.9	422.6	333.5	369.3	479.8	506.0
	2032	484.2	449.1	346.9	385.9	448.0	496.6	486.1	510.6	470.2	426.5	336.0	372.2	484.2	510.6
	2033	487.9	452.5	349.5	388.9	451.5	500.4	489.9	514.6	473.8	429.8	338.8	375.2	487.9	514.6
	2034	491.9	456.2	352.4	392.1	455.1	504.5	493.9	518.8	477.7	433.3	341.5	378.3	491.9	518.8
	2035	495.9	459.9	355.2	395.2	458.8	508.6	497.9	523.0	481.6	436.8	344.5	381.6	495.9	523.0
	2036	500.2	463.9	358.3	398.7	462.9	513.1	502.3	527.6	485.8	440.6	347.1	384.4	500.2	527.6

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.6%	99.0%	97.3%	99.8%	99.2%
	2016	99.1%	99.9%	99.9%	99.9%	97.7%	98.3%	98.5%	99.4%	96.8%	98.2%	98.1%	96.3%	97.6%	98.5%
Projected	2017	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.1%	96.3%	99.0%	98.4%
	2018	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.1%	96.3%	99.0%	98.4%
	2019	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.1%	96.3%	99.0%	98.4%
	2020	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2021	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2022	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2023	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2024	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2025	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2007-2016	99.4%	99.3%	95.0%	97.7%	97.3%	98.1%	97.5%	98.5%	98.0%	98.2%	93.4%	95.2%	98.8%	98.2%
	2017-2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	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), Starke (Sep-35)



FMPA 2017 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	2007	7,209,394	-	7,191,917	-	-0.2%	1,202.3	-	1,306.8	-	8.7%	1,521.2	-	1,506.5	-	-1.0%
	2008	7,091,611	-1.6%	7,069,598	-1.7%	-0.3%	1,330.2	10.6%	1,338.8	2.5%	0.7%	1,450.1	-4.7%	1,462.6	-2.9%	0.9%
	2009	6,847,285	-3.4%	6,822,525	-3.5%	-0.4%	1,418.5	6.6%	1,317.8	-1.6%	-7.1%	1,481.7	2.2%	1,454.9	-0.5%	-1.8%
	2010	6,469,062	-5.5%	6,172,882	-9.5%	-4.6%	1,412.0	-0.5%	1,200.9	-8.9%	-15.0%	1,272.1	-14.1%	1,250.5	-14.1%	-1.7%
	2011	6,147,277	-5.0%	5,923,008	-4.0%	-3.6%	1,258.3	-10.9%	1,250.6	4.1%	-0.6%	1,258.2	-1.1%	1,204.7	-3.7%	-4.3%
	2012	5,914,360	-3.8%	5,943,517	0.3%	0.5%	1,096.7	-12.8%	1,100.8	-12.0%	0.4%	1,203.3	-4.4%	1,310.4	8.8%	8.9%
	2013	5,914,988	0.0%	5,931,424	-0.2%	0.3%	1,009.9	-7.9%	1,040.9	-5.4%	3.1%	1,222.0	1.6%	1,270.8	-3.0%	4.0%
	2014	5,733,592	-3.1%	5,656,339	-4.6%	-1.3%	996.9	-1.3%	1,125.6	8.1%	12.9%	1,185.1	-3.0%	1,191.9	-6.2%	0.6%
	2015	5,777,052	0.8%	5,627,970	-0.5%	-2.6%	1,128.5	13.2%	1,063.2	-5.5%	-5.8%	1,194.4	0.8%	1,250.8	4.9%	4.7%
	2016	5,981,790	3.5%	5,779,315	2.7%	-3.4%	1,006.1	-10.8%	1,084.0	2.0%	7.7%	1,267.7	6.1%	1,245.2	-0.4%	-1.8%
Projected	2017	5,701,915	-4.7%	5,701,915	-1.3%		1,041.5	3.5%	1,041.5	-3.9%		1,191.7	-6.0%	1,191.7	-4.3%	
	2018			5,764,220	1.1%				1,056.0	1.4%				1,208.1	1.4%	
	2019			5,832,554	1.2%				1,068.5	1.2%				1,222.2	1.2%	
	2020			5,888,985	1.0%				1,079.5	1.0%				1,234.9	1.0%	
	2021			5,944,568	0.9%				1,090.8	1.1%				1,247.8	1.0%	
	2022			6,009,835	1.1%				1,103.6	1.2%				1,261.4	1.1%	
	2023			6,072,515	1.0%				1,115.0	1.0%				1,275.2	1.1%	
	2024			6,138,736	1.1%				1,127.7	1.1%				1,289.5	1.1%	
	2025			6,197,175	1.0%				1,138.8	1.0%				1,301.9	1.0%	
	2026			6,257,287	1.0%				1,149.9	1.0%				1,315.1	1.0%	
	2027			6,318,255	1.0%				1,161.4	1.0%				1,328.4	1.0%	
	2028			6,384,209	1.0%				1,173.8	1.1%				1,342.7	1.1%	
	2029			6,437,990	0.8%				1,183.8	0.9%				1,354.3	0.9%	
	2030			6,494,864	0.9%				1,194.6	0.9%				1,366.6	0.9%	
	2031			6,551,347	0.9%				1,205.3	0.9%				1,378.9	0.9%	
	2032			6,611,737	0.9%				1,216.7	0.9%				1,392.0	0.9%	
	2033			6,661,316	0.7%				1,226.1	0.8%				1,402.8	0.8%	
	2034			6,714,913	0.8%				1,236.4	0.8%				1,414.5	0.8%	
	2035			6,768,959	0.8%				1,246.8	0.8%				1,426.3	0.8%	
	2036			6,749,163	-0.3%				1,241.8	-0.4%				1,422.5	-0.3%	
CAGR <sup>[3]</sup>	2007-2016		-2.1%		-2.4%			-2.0%		-2.1%			-2.0%		-2.1%	
	2017-2026				1.0%					1.1%					1.1%	
	2027-2036				0.7%					0.7%					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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Mild Weather Case**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	2007	536,001	490,676	524,475	532,149	611,486	671,784	736,774	792,794	684,674	652,211	492,659	519,904	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	477,199	447,017	436,736	5,876,322	5,777,052
	2016	434,986	397,529	428,066	436,669	517,921	586,159	645,813	615,145	558,551	493,217	412,244	421,031	5,947,331	5,981,790
Projected	2017	418,321	373,260	415,400	437,638	507,962	546,947	574,956	580,958	519,982	482,166	420,324	426,915	5,704,828	5,701,915
	2018	424,437	378,999	420,811	442,615	515,633	553,669	582,483	589,514	526,655	488,782	425,996	432,231	5,781,824	5,764,220
	2019	429,728	383,722	425,615	447,637	521,650	559,756	588,950	596,107	532,380	493,918	430,460	436,692	5,846,614	5,832,554
	2020	433,235	390,917	428,998	451,319	526,131	564,629	594,138	601,490	537,058	498,140	433,934	440,191	5,900,180	5,888,985
	2021	437,808	390,887	433,521	456,058	531,756	570,686	600,562	608,119	542,906	503,792	438,805	445,131	5,960,032	5,944,568
	2022	442,754	395,293	438,136	460,880	537,486	576,846	607,067	614,822	548,821	509,007	443,243	449,616	6,023,973	6,009,835
	2023	447,221	399,258	442,723	465,672	543,174	582,953	613,527	621,467	554,654	514,374	447,809	454,221	6,087,052	6,072,515
	2024	451,800	407,644	447,173	470,310	548,673	588,845	619,750	627,868	560,269	519,767	452,415	458,865	6,153,379	6,138,736
	2025	456,436	407,432	451,687	475,013	554,268	594,842	626,081	634,379	565,990	524,802	456,676	463,154	6,210,761	6,197,175
Projected	2026	460,707	411,218	456,070	479,590	559,715	600,690	632,283	640,774	571,608	529,981	461,078	467,603	6,271,316	6,257,287
	2027	465,142	415,145	460,463	484,172	565,171	606,551	638,504	647,194	577,251	535,192	465,503	472,078	6,332,365	6,318,255
	2028	469,622	423,719	464,901	488,801	570,684	612,464	644,763	653,620	582,863	540,327	469,827	476,412	6,398,004	6,384,209
	2029	473,919	422,900	469,127	493,186	575,876	618,017	650,619	659,643	588,135	545,171	473,947	480,574	6,451,115	6,437,990
	2030	478,074	426,577	473,230	497,466	580,968	623,484	656,404	665,609	593,362	549,974	478,029	484,692	6,507,868	6,494,864
	2031	482,188	430,215	477,302	501,716	586,028	628,923	662,164	671,550	598,567	554,758	482,093	488,793	6,564,296	6,551,347
	2032	486,275	438,648	481,306	505,889	590,985	634,244	667,783	677,337	603,626	559,400	486,039	492,776	6,624,308	6,611,737
	2033	490,242	437,324	485,249	509,997	595,865	639,477	673,310	683,031	608,606	563,969	489,928	496,699	6,673,696	6,661,316
	2034	494,160	440,784	489,099	514,019	600,654	644,628	678,763	688,665	613,545	568,512	493,800	500,613	6,727,242	6,714,913
Projected	2035	498,078	444,255	492,982	518,082	605,503	649,853	684,306	694,398	618,578	566,567	491,712	498,487	6,762,800	6,768,959
	2036	495,907	447,494	490,942	516,227	603,301	647,796	682,009	692,344	616,377	571,206	495,655	502,473	6,761,733	6,749,163

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.9%	9.1%	8.1%	7.6%	7.4%	100.0%
	2016	7.3%	6.7%	7.2%	7.3%	8.7%	9.9%	10.9%	10.3%	9.4%	8.3%	6.9%	7.1%	100.0%
Projected	2017	7.3%	6.5%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2018	7.3%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2019	7.4%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	7.5%	100.0%
	2020	7.3%	6.6%	7.3%	7.6%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	7.5%	100.0%
	2021	7.3%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2022	7.3%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	7.5%	100.0%
	2023	7.3%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2024	7.3%	6.6%	7.3%	7.6%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	7.5%	100.0%
	2025	7.3%	6.6%	7.3%	7.6%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	7.5%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.5%	8.8%	9.6%	10.2%	10.3%	9.3%	8.3%	6.9%	7.3%	100.0%
	2017-2026	7.3%	6.6%	7.3%	7.7%	8.9%	9.6%	10.1%	10.2%	9.1%	8.4%	7.4%	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), Starke (Sep-35)

**FMPA 2017 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	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	1,045.8	1,029.8	883.0	1,149.5	1,229.4
	2016	1,061.1	1,047.8	943.2	1,040.4	1,121.9	1,247.3	1,291.2	1,260.1	1,168.4	1,091.3	851.3	865.2	1,061.1	1,291.2
Projected	2017	1,108.7	1,064.4	869.7	948.8	1,086.5	1,184.7	1,192.5	1,218.5	1,136.5	1,037.5	857.2	876.9	1,108.7	1,218.5
	2018	1,123.8	1,078.9	881.6	961.7	1,101.4	1,201.0	1,208.8	1,235.3	1,152.0	1,051.7	867.3	886.8	1,123.8	1,235.3
	2019	1,136.8	1,091.3	891.5	972.6	1,114.0	1,214.8	1,227.7	1,249.5	1,165.3	1,063.8	876.8	896.7	1,136.8	1,249.5
	2020	1,148.2	1,102.1	899.9	982.2	1,125.2	1,227.2	1,235.2	1,262.4	1,177.2	1,074.5	883.9	904.3	1,148.2	1,262.4
	2021	1,160.0	1,113.4	909.0	992.3	1,136.9	1,239.9	1,248.0	1,275.5	1,189.4	1,085.6	893.7	914.5	1,160.0	1,275.5
	2022	1,173.2	1,125.1	918.6	1,003.0	1,149.2	1,253.3	1,261.5	1,289.4	1,202.2	1,097.3	902.8	923.6	1,173.2	1,289.4
	2023	1,185.1	1,136.8	928.3	1,013.7	1,161.5	1,266.8	1,275.0	1,303.3	1,215.2	1,109.1	912.7	933.6	1,185.1	1,303.3
	2024	1,198.2	1,149.0	938.3	1,024.9	1,174.4	1,280.8	1,289.2	1,317.8	1,228.7	1,121.5	921.2	942.4	1,198.2	1,317.8
	2025	1,209.6	1,159.6	947.0	1,034.6	1,185.5	1,293.0	1,301.4	1,330.4	1,240.4	1,132.1	929.9	951.1	1,209.6	1,330.4
	2026	1,221.1	1,170.8	956.2	1,044.9	1,197.4	1,305.9	1,314.5	1,343.8	1,252.8	1,143.5	938.8	960.2	1,221.1	1,343.8
Projected	2027	1,233.0	1,182.1	965.5	1,055.3	1,209.3	1,318.9	1,327.5	1,357.2	1,265.3	1,154.9	948.4	970.0	1,233.0	1,357.2
	2028	1,245.8	1,194.1	975.4	1,066.4	1,222.1	1,332.9	1,341.6	1,371.7	1,278.8	1,167.2	956.2	977.9	1,245.8	1,371.7
	2029	1,256.1	1,204.0	983.5	1,075.4	1,232.5	1,344.2	1,353.0	1,383.4	1,289.7	1,177.1	964.5	986.4	1,256.1	1,383.4
	2030	1,267.3	1,214.5	992.1	1,085.0	1,243.6	1,356.3	1,365.2	1,395.9	1,301.3	1,187.7	972.8	994.8	1,267.3	1,395.9
	2031	1,278.3	1,225.0	1,000.7	1,094.6	1,254.6	1,368.4	1,377.3	1,408.3	1,312.9	1,198.3	981.6	1,003.8	1,278.3	1,408.3
	2032	1,290.1	1,236.1	1,009.8	1,104.8	1,266.3	1,381.2	1,390.2	1,421.5	1,325.2	1,209.5	988.8	1,011.2	1,290.1	1,421.5
	2033	1,299.8	1,245.3	1,017.3	1,113.2	1,276.0	1,391.7	1,400.8	1,432.4	1,335.3	1,218.7	996.7	1,019.3	1,299.8	1,432.4
	2034	1,310.4	1,255.3	1,025.4	1,122.2	1,286.5	1,403.2	1,412.3	1,444.3	1,346.3	1,228.7	1,004.7	1,027.4	1,310.4	1,444.3
	2035	1,321.2	1,265.4	1,033.6	1,131.4	1,297.1	1,414.8	1,424.0	1,456.2	1,357.5	1,224.8	1,001.4	1,022.0	1,321.2	1,456.2
	2036	1,316.2	1,260.9	1,029.9	1,128.2	1,293.7	1,411.1	1,420.2	1,452.2	1,353.9	1,236.0	1,008.7	1,029.5	1,316.2	1,452.2

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.3%	58.3%	68.7%	58.4%	54.6%
	2016	55.1%	54.5%	61.0%	56.4%	68.7%	63.2%	69.5%	65.6%	66.4%	60.7%	65.1%	67.6%	64.0%	52.6%
Projected	2017	50.7%	52.2%	64.2%	62.0%	69.6%	62.1%	67.0%	64.1%	63.5%	62.5%	65.9%	67.6%	58.7%	53.4%
	2018	50.8%	52.3%	64.2%	61.9%	69.7%	62.0%	66.9%	64.1%	63.5%	62.5%	66.0%	67.7%	58.7%	53.4%
	2019	50.8%	52.3%	64.2%	61.9%	69.7%	61.9%	66.9%	64.1%	63.5%	62.4%	66.0%	67.6%	58.7%	53.4%
	2020	50.7%	51.0%	64.1%	61.8%	69.6%	61.8%	66.8%	64.0%	63.4%	62.3%	66.0%	67.6%	58.7%	53.4%
	2021	50.7%	52.2%	64.1%	61.8%	69.6%	61.9%	66.8%	64.1%	63.4%	62.4%	66.0%	67.6%	58.7%	53.3%
	2022	50.7%	52.3%	64.1%	61.8%	69.6%	61.9%	66.8%	64.1%	63.4%	62.3%	66.0%	67.6%	58.6%	53.3%
	2023	50.7%	52.3%	64.1%	61.7%	69.6%	61.9%	66.8%	64.1%	63.4%	62.3%	65.9%	67.6%	58.6%	53.3%
	2024	50.7%	51.0%	64.1%	61.7%	69.5%	61.8%	66.8%	64.0%	63.3%	62.3%	66.0%	67.6%	58.6%	53.3%
	2025	50.7%	52.3%	64.1%	61.7%	69.6%	61.8%	66.8%	64.1%	63.4%	62.3%	66.0%	67.6%	58.6%	53.3%
	2026	50.7%	52.3%	64.1%	61.7%	69.6%	61.8%	66.8%	64.1%	63.4%	62.3%	66.0%	67.6%	58.6%	53.3%
Avg.	2007-2016	55.6%	56.3%	62.1%	60.4%	70.1%	62.3%	68.1%	66.0%	65.3%	61.6%	60.3%	65.9%	58.5%	53.6%
	2017-2026	50.7%	52.0%	64.1%	61.8%	69.6%	61.9%	66.8%	64.1%	63.4%	62.4%	66.0%	67.6%	58.7%	53.4%

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), Starke (Sep-35)

FMPA 2017 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	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	1,029.9	1,009.9	853.9	1,128.5	1,194.4
	2016	1,001.8	1,006.1	909.0	1,024.0	1,068.4	1,216.1	1,267.7	1,247.5	1,112.4	1,060.9	781.9	808.5	1,006.1	1,267.7
Projected	2017	1,041.5	1,013.7	812.0	915.1	1,052.5	1,150.9	1,151.6	1,191.7	1,093.2	1,008.6	788.0	819.5	1,041.5	1,191.7
	2018	1,056.0	1,027.8	823.1	927.7	1,067.0	1,166.7	1,167.4	1,208.1	1,108.2	1,022.5	797.4	828.9	1,056.0	1,208.1
	2019	1,068.5	1,040.0	832.5	938.3	1,079.2	1,180.3	1,180.9	1,222.2	1,121.0	1,034.3	806.3	838.3	1,068.5	1,222.2
	2020	1,079.5	1,050.5	840.4	947.5	1,090.2	1,192.5	1,193.0	1,234.9	1,132.5	1,044.7	812.8	845.4	1,079.5	1,234.9
	2021	1,090.8	1,061.6	849.0	957.3	1,101.5	1,204.9	1,205.4	1,247.8	1,144.3	1,055.5	821.9	855.0	1,090.8	1,247.8
	2022	1,103.6	1,073.0	858.0	967.6	1,113.4	1,218.1	1,218.6	1,261.4	1,156.7	1,067.1	830.4	863.7	1,103.6	1,261.4
	2023	1,115.0	1,084.4	867.1	978.1	1,125.4	1,231.3	1,231.7	1,275.2	1,169.2	1,078.6	839.6	873.2	1,115.0	1,275.2
	2024	1,127.7	1,096.4	876.6	988.9	1,138.0	1,245.1	1,245.5	1,289.5	1,182.3	1,090.8	847.6	881.5	1,127.7	1,289.5
	2025	1,138.8	1,106.8	884.9	998.3	1,148.8	1,257.1	1,257.4	1,301.9	1,193.6	1,101.2	855.6	889.8	1,138.8	1,301.9
	2026	1,149.9	1,117.8	893.6	1,008.4	1,160.4	1,269.8	1,270.1	1,315.1	1,205.7	1,112.4	863.9	898.5	1,149.9	1,315.1
Projected	2027	1,161.4	1,128.9	902.4	1,018.4	1,172.0	1,282.6	1,282.9	1,328.4	1,217.8	1,123.5	872.9	907.8	1,161.4	1,328.4
	2028	1,173.8	1,140.7	911.8	1,029.3	1,184.5	1,296.4	1,296.6	1,342.7	1,230.8	1,135.6	880.1	915.3	1,173.8	1,342.7
	2029	1,183.8	1,150.4	919.4	1,038.0	1,194.6	1,307.5	1,307.7	1,354.3	1,241.3	1,145.3	887.9	923.4	1,183.8	1,354.3
	2030	1,194.6	1,160.8	927.6	1,047.4	1,205.4	1,319.5	1,319.5	1,366.6	1,252.6	1,155.7	895.6	931.5	1,194.6	1,366.6
	2031	1,205.3	1,171.1	935.7	1,056.7	1,216.1	1,331.3	1,331.3	1,378.9	1,263.8	1,166.1	903.9	940.1	1,205.3	1,378.9
	2032	1,216.7	1,182.0	944.3	1,066.6	1,227.5	1,343.9	1,343.9	1,392.0	1,275.7	1,177.1	910.6	947.1	1,216.7	1,392.0
	2033	1,226.1	1,191.1	951.4	1,074.7	1,236.9	1,354.3	1,354.2	1,402.8	1,285.5	1,186.1	918.0	954.8	1,226.1	1,402.8
	2034	1,236.4	1,200.9	959.1	1,083.5	1,247.1	1,365.5	1,365.5	1,414.5	1,296.2	1,196.0	925.4	962.5	1,236.4	1,414.5
	2035	1,246.8	1,210.9	966.9	1,092.4	1,257.5	1,377.0	1,376.8	1,426.3	1,307.0	1,192.6	922.0	957.8	1,246.8	1,426.3
	2036	1,241.8	1,206.3	963.3	1,089.0	1,254.1	1,373.5	1,373.3	1,422.5	1,303.6	1,203.5	928.8	964.9	1,241.8	1,422.5

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.5%	98.1%	96.7%	98.2%	97.2%
	2016	94.4%	96.0%	96.4%	98.4%	95.2%	97.5%	98.2%	99.0%	95.2%	97.2%	91.8%	93.4%	94.8%	98.2%
Projected	2017	93.9%	95.2%	93.4%	96.5%	96.9%	97.1%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	93.9%	97.8%
	2018	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	91.9%	93.5%	94.0%	97.8%
	2019	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.0%	97.8%
	2020	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.0%	97.8%
	2021	94.0%	95.3%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.0%	97.8%
	2022	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%
	2023	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.3%	92.0%	93.5%	94.1%	97.8%
	2024	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.5%	94.1%	97.9%
	2025	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.1%	97.9%
	2026	94.2%	95.5%	93.5%	96.5%	96.9%	97.2%	96.6%	97.9%	96.2%	97.3%	92.0%	93.6%	94.2%	97.9%
	2007-2016	95.4%	94.7%	93.6%	95.6%	96.8%	97.0%	96.6%	97.5%	96.0%	97.3%	92.5%	92.6%	96.1%	97.6%
	2017-2026	94.1%	95.4%	93.4%	96.5%	96.9%	97.2%	96.6%	97.8%	96.2%	97.2%	92.0%	93.5%	94.1%	97.8%

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), Starke (Sep-35)

FMPA 2017 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	2007	3,720,003	-	3,687,774	-	-0.9%	588.1	-	646.5	-	9.9%	750.9	-	746.3	-	-0.6%
	2008	3,682,412	-1.0%	3,641,591	-1.3%	-1.1%	670.8	14.1%	689.6	6.7%	2.8%	719.7	-4.2%	728.0	-2.5%	1.2%
	2009	3,516,717	-4.5%	3,504,521	-3.8%	-0.3%	709.9	5.8%	648.9	-5.9%	-8.6%	731.3	1.6%	698.5	-4.1%	-4.5%
	2010	3,044,869	-13.4%	2,920,109	-16.7%	-4.1%	631.0	-11.1%	516.3	-20.4%	-18.2%	553.1	-24.4%	542.8	-22.3%	-1.9%
	2011	2,805,902	-7.8%	2,712,828	-7.1%	-3.3%	544.4	-13.7%	547.1	6.0%	0.5%	534.8	-3.3%	513.0	-5.5%	-4.1%
	2012	2,709,712	-3.4%	2,728,592	0.6%	0.7%	469.7	-13.7%	482.2	-11.8%	2.7%	527.2	-1.4%	548.5	6.9%	4.0%
	2013	2,693,753	-0.6%	2,709,186	-0.7%	0.6%	425.0	-9.5%	447.8	-7.2%	5.4%	524.0	-0.6%	538.2	-1.9%	2.7%
	2014	2,437,324	-9.5%	2,395,291	-11.6%	-1.7%	384.4	-9.5%	434.0	-3.1%	12.9%	452.1	-13.7%	460.1	-14.5%	1.8%
	2015	2,366,430	-2.9%	2,314,553	-3.4%	-2.2%	456.4	18.7%	408.2	-6.0%	-10.6%	444.3	-1.7%	466.8	1.5%	5.1%
	2016	2,436,956	3.0%	2,366,496	2.2%	-2.9%	384.8	-15.7%	423.0	3.6%	9.9%	484.9	9.1%	472.0	1.1%	-2.7%
Projected	2017	2,321,032	-4.8%	2,321,032	-1.9%		387.9	0.8%	387.9	-8.3%		449.5	-7.3%	449.5	-4.8%	
	2018			2,336,971	0.7%				391.7	1.0%				453.6	0.9%	
	2019			2,353,314	0.7%				394.7	0.8%				456.7	0.7%	
	2020			2,357,486	0.2%				395.7	0.2%				457.8	0.2%	
	2021			2,367,247	0.4%				398.4	0.7%				460.6	0.6%	
	2022			2,381,540	0.6%				401.4	0.8%				463.0	0.5%	
	2023			2,392,119	0.4%				403.0	0.4%				465.2	0.5%	
	2024			2,402,431	0.4%				405.2	0.5%				467.3	0.4%	
	2025			2,413,326	0.5%				407.3	0.5%				469.2	0.4%	
	2026			2,421,769	0.3%				408.6	0.3%				471.0	0.4%	
	2027			2,430,628	0.4%				410.3	0.4%				472.8	0.4%	
	2028			2,439,396	0.4%				412.0	0.4%				474.5	0.4%	
	2029			2,447,760	0.3%				413.6	0.4%				476.2	0.4%	
	2030			2,455,939	0.3%				415.2	0.4%				477.9	0.3%	
	2031			2,463,918	0.3%				416.8	0.4%				479.5	0.3%	
	2032			2,472,169	0.3%				418.5	0.4%				481.2	0.3%	
	2033			2,479,995	0.3%				420.0	0.4%				482.8	0.3%	
	2034			2,487,935	0.3%				421.7	0.4%				484.4	0.3%	
	2035			2,495,767	0.3%				423.3	0.4%				486.1	0.3%	
	2036			2,423,907	-2.9%				408.6	-3.5%				470.7	-3.2%	
CAGR <sup>[3]</sup>	2007-2016		-4.6%		-4.8%			-4.6%		-4.6%			-4.7%		-5.0%	
	2017-2026				0.5%					0.6%					0.5%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Mild Weather Case**

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

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	198,016	185,657	180,873	2,413,205	2,366,430
	2016	176,709	160,492	176,455	177,928	209,878	234,796	261,639	250,374	224,138	202,391	170,704	170,500	2,416,005	2,436,956
Projected	2017	170,361	152,647	165,382	179,106	204,554	223,547	235,210	234,286	212,344	196,951	173,147	173,035	2,320,568	2,321,032
	2018	172,675	154,473	167,002	180,825	206,391	225,388	237,104	236,104	213,875	198,566	174,552	174,426	2,341,382	2,336,971
	2019	174,059	155,589	168,139	181,985	207,742	226,825	238,554	237,579	215,298	199,647	175,544	175,432	2,356,392	2,353,314
	2020	174,067	155,704	168,031	181,999	207,880	227,083	238,808	237,819	215,472	199,672	175,456	175,315	2,357,307	2,357,486
	2021	175,033	156,396	168,923	182,969	209,026	228,367	240,174	239,194	216,722	201,060	176,710	176,573	2,371,145	2,367,247
	2022	176,310	157,521	169,822	183,934	210,153	229,616	241,467	240,481	217,893	201,875	177,422	177,274	2,383,769	2,381,540
	2023	177,016	158,121	170,602	184,781	211,140	230,719	242,623	241,625	218,921	202,795	178,233	178,078	2,394,654	2,392,119
	2024	177,835	158,968	171,273	185,517	211,998	231,681	243,628	242,616	219,808	203,811	179,138	178,968	2,405,242	2,402,431
	2025	178,738	159,604	172,009	186,305	212,924	232,708	244,691	243,667	220,762	204,439	179,686	179,505	2,415,039	2,413,326
	2026	179,287	160,064	172,628	186,983	213,721	233,605	245,637	244,607	221,607	205,194	180,352	180,165	2,423,850	2,421,769
Projected	2027	179,963	160,636	173,229	187,639	214,491	234,472	246,550	245,513	222,423	205,924	180,998	180,809	2,432,647	2,430,628
	2028	180,627	161,350	173,805	188,270	215,235	235,316	247,440	246,400	223,222	206,634	181,626	181,431	2,441,356	2,439,396
	2029	181,268	161,735	174,389	188,907	215,984	236,162	248,329	247,282	224,013	207,335	182,245	182,045	2,449,694	2,447,760
	2030	181,902	162,266	174,936	189,504	216,690	236,962	249,172	248,119	224,763	207,997	182,828	182,619	2,457,758	2,455,939
	2031	182,502	162,768	175,465	190,088	217,386	237,760	250,017	248,963	225,526	208,676	183,434	183,224	2,465,808	2,463,918
	2032	183,131	163,441	176,004	190,680	218,088	238,560	250,858	249,798	226,273	209,335	184,017	183,799	2,473,986	2,472,169
	2033	183,729	163,786	176,542	191,270	218,790	239,360	251,703	250,638	227,027	209,998	184,607	184,382	2,481,831	2,479,995
	2034	184,343	164,296	177,061	191,844	219,477	240,149	252,537	251,469	227,773	210,656	185,191	184,959	2,489,753	2,487,935
	2035	184,947	164,796	177,577	192,413	220,156	240,926	253,357	252,285	228,506	204,722	179,727	179,404	2,478,816	2,495,767
	2036	179,374	160,086	172,099	186,994	213,706	234,342	246,260	245,243	221,950	205,327	180,263	179,934	2,425,578	2,423,907

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.2%	6.6%	7.4%	7.9%	8.9%	9.5%	10.1%	9.9%	9.1%	8.2%	7.7%	7.5%	100.0%
	2016	7.3%	6.6%	7.3%	7.4%	8.7%	9.7%	10.8%	10.4%	9.3%	8.4%	7.1%	7.1%	100.0%
Projected	2017	7.3%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.2%	8.5%	7.5%	7.5%	100.0%
	2018	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.5%	7.4%	100.0%
	2019	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2020	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2021	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.5%	7.4%	100.0%
	2022	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2023	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2024	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2025	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
	2026	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	7.4%	100.0%
Avg.	2007-2016	7.6%	6.8%	7.2%	7.6%	8.8%	9.5%	10.2%	10.3%	9.3%	8.4%	7.0%	7.3%	100.0%
	2017-2026	7.4%	6.6%	7.1%	7.7%	8.8%	9.6%	10.1%	10.1%	9.1%	8.5%	7.4%	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), Starke (Sep-35)

**FMPA 2017 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	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	408.9	401.6	358.8	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	422.2	362.4	352.7	437.5	501.8
Projected	2017	438.7	445.8	351.4	371.4	420.7	456.6	468.2	467.8	439.2	401.0	360.1	356.1	445.8	468.2
	2018	442.8	450.2	354.6	374.7	424.5	460.8	472.5	472.1	443.2	404.6	363.1	358.6	450.2	472.5
	2019	446.1	453.6	356.9	377.1	427.4	463.9	475.6	475.3	446.1	407.2	365.0	360.7	453.6	475.6
	2020	447.2	454.8	357.3	377.6	428.3	465.0	476.9	476.5	447.2	408.0	365.4	361.4	454.8	476.9
	2021	450.1	457.8	359.5	379.8	430.8	467.9	479.8	479.4	449.8	410.4	367.8	364.0	457.8	479.8
	2022	453.3	460.3	361.3	381.8	433.0	470.2	482.2	481.8	452.1	412.5	369.4	365.5	460.3	482.2
	2023	455.1	462.6	363.0	383.5	435.1	472.5	484.6	484.1	454.3	414.4	371.2	367.3	462.6	484.6
	2024	457.5	464.9	364.5	385.2	437.0	474.6	486.8	486.3	456.3	416.2	372.9	369.0	464.9	486.8
	2025	459.7	466.9	366.0	386.7	438.8	476.5	488.8	488.3	458.2	417.9	374.1	370.1	466.9	488.8
Projected	2026	461.2	468.9	367.3	388.2	440.4	478.3	490.7	490.2	459.9	419.4	375.5	371.6	468.9	490.7
	2027	463.0	470.8	368.7	389.6	442.1	480.1	492.5	492.0	461.6	421.0	376.9	373.0	470.8	492.5
	2028	464.8	472.6	370.0	391.0	443.7	481.9	494.4	493.8	463.3	422.5	378.2	374.3	472.6	494.4
	2029	466.5	474.5	371.2	392.3	445.2	483.6	496.2	495.5	465.0	423.9	379.5	375.6	474.5	496.2
	2030	468.3	476.3	372.5	393.6	446.7	485.2	497.9	497.2	466.5	425.3	380.7	377.0	476.3	497.9
	2031	470.0	478.0	373.7	394.9	448.2	486.8	499.6	498.9	468.1	426.7	382.1	378.3	478.0	499.6
	2032	471.7	479.9	374.9	396.2	449.7	488.5	501.3	500.6	469.7	428.2	383.3	379.6	479.9	501.3
	2033	473.4	481.7	376.1	397.4	451.2	490.1	503.0	502.3	471.3	429.5	384.6	380.9	481.7	503.0
	2034	475.2	483.5	377.3	398.7	452.7	491.7	504.8	504.0	472.8	430.9	385.9	382.2	483.5	504.8
	2035	476.9	485.3	378.5	399.9	454.2	493.4	506.4	505.6	474.4	418.2	375.0	369.1	485.3	506.4
	2036	461.8	471.4	366.8	387.7	440.5	478.5	491.4	490.0	460.0	419.5	376.1	370.3	471.4	491.4

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	65.1%	62.1%	70.0%	57.8%	57.6%
Projected	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	64.4%	63.3%	67.1%	63.0%	55.0%
	2017	52.2%	50.9%	63.3%	64.8%	72.4%	65.8%	69.8%	67.3%	67.2%	66.0%	64.6%	67.5%	59.4%	56.6%
	2018	52.4%	51.1%	63.3%	64.9%	72.3%	65.7%	69.7%	67.2%	67.0%	66.0%	64.6%	67.6%	59.4%	56.6%
	2019	52.4%	51.0%	63.3%	64.9%	72.3%	65.7%	69.7%	67.2%	67.0%	65.9%	64.6%	67.5%	59.3%	56.6%
	2020	52.3%	49.2%	63.2%	64.8%	72.2%	65.6%	69.6%	67.1%	66.9%	65.8%	64.5%	67.4%	59.2%	56.4%
	2021	52.3%	50.8%	63.2%	64.7%	72.2%	65.6%	69.5%	67.1%	66.9%	65.8%	64.6%	67.4%	59.1%	56.4%
	2022	52.3%	50.9%	63.2%	64.8%	72.2%	65.6%	69.5%	67.1%	66.9%	65.8%	64.6%	67.4%	59.1%	56.4%
	2023	52.3%	50.9%	63.2%	64.8%	72.2%	65.6%	69.5%	67.1%	66.9%	65.8%	64.5%	67.3%	59.1%	56.4%
	2024	52.2%	49.1%	63.2%	64.7%	72.2%	65.6%	69.5%	67.1%	66.9%	65.8%	64.6%	67.4%	59.1%	56.4%
Avg.	2007-2016	55.7%	56.4%	62.6%	62.9%	73.1%	65.0%	70.7%	69.1%	67.8%	64.7%	60.3%	65.8%	58.8%	56.1%
	2017-2026	52.3%	50.6%	63.2%	64.8%	72.3%	65.7%	69.6%	67.1%	67.0%	65.8%	64.6%	67.4%	59.2%	56.5%

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), Starke (Sep-35)



**FMPA 2017 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	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	397.9	390.9	340.3	456.4	444.3
	2016	383.2	384.8	358.7	388.2	394.5	457.4	484.9	474.4	425.5	402.0	317.2	317.5	384.8	484.9
Projected	2017	387.9	400.2	320.4	351.3	403.3	432.4	444.2	449.5	414.3	381.8	315.6	320.5	387.9	449.5
	2018	391.7	404.2	323.3	354.4	406.9	436.4	448.3	453.6	418.1	385.3	318.3	322.8	391.7	453.6
	2019	394.7	407.5	325.5	356.7	409.7	439.3	451.3	456.7	420.9	387.8	320.0	324.8	394.7	456.7
	2020	395.7	408.6	325.7	357.1	410.5	440.3	452.4	457.8	421.8	388.4	320.3	325.3	395.7	457.8
	2021	398.4	411.4	327.7	359.2	412.9	443.0	455.2	460.6	424.4	390.7	322.4	327.6	398.4	460.6
	2022	401.4	413.7	329.4	361.0	415.0	445.2	457.6	463.0	426.5	392.6	323.8	328.9	401.4	463.0
	2023	403.0	415.8	330.9	362.6	417.0	447.4	459.8	465.2	428.6	394.5	325.4	330.6	403.0	465.2
	2024	405.2	417.9	332.4	364.2	418.8	449.3	461.9	467.3	430.5	396.2	327.0	332.2	405.2	467.3
	2025	407.3	419.8	333.7	365.6	420.5	451.2	463.8	469.2	432.2	397.8	328.0	333.3	407.3	469.2
	2026	408.6	421.7	335.0	367.0	422.2	452.9	465.6	471.0	433.9	399.3	329.2	334.6	408.6	471.0
Projected	2027	410.3	423.4	336.2	368.3	423.7	454.6	467.4	472.8	435.5	400.7	330.5	335.9	410.3	472.8
	2028	412.0	425.2	337.5	369.6	425.3	456.2	469.2	474.5	437.1	402.2	331.6	337.1	412.0	474.5
	2029	413.6	426.9	338.6	370.9	426.8	457.9	470.9	476.2	438.6	403.5	332.8	338.3	413.6	476.2
	2030	415.2	428.6	339.8	372.1	428.2	459.4	472.5	477.9	440.1	404.9	333.9	339.6	415.2	477.9
	2031	416.8	430.3	340.9	373.3	429.6	461.0	474.2	479.5	441.6	406.2	335.1	340.8	416.8	479.5
	2032	418.5	432.0	342.0	374.5	431.1	462.5	475.9	481.2	443.1	407.5	336.2	342.0	418.5	481.2
	2033	420.0	433.8	343.2	375.7	432.5	464.1	477.5	482.8	444.6	408.8	337.4	343.2	420.0	482.8
	2034	421.7	435.5	344.3	376.8	433.9	465.6	479.1	484.4	446.1	410.1	338.5	344.5	421.7	484.4
	2035	423.3	437.2	345.4	378.0	435.3	467.1	480.7	486.1	447.5	398.1	328.0	332.4	423.3	486.1
	2036	408.6	423.4	334.2	365.9	422.0	452.6	466.3	470.7	433.7	399.3	329.0	333.5	408.6	470.7

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	97.3%	97.3%	94.8%	95.7%	92.9%
	2016	87.6%	90.3%	94.6%	97.0%	91.4%	95.0%	96.6%	97.9%	93.8%	95.2%	87.5%	90.0%	87.9%	96.6%
Projected	2017	88.4%	89.8%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.0%	96.0%
	2018	88.4%	89.8%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.0%	87.0%	96.0%
	2019	88.5%	89.8%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.4%	95.2%	87.7%	90.0%	87.0%	96.0%
	2020	88.5%	89.8%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.6%	90.0%	87.0%	96.0%
	2021	88.5%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.0%	96.0%
	2022	88.5%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2023	88.5%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%
	2024	88.6%	89.9%	91.2%	94.6%	95.8%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2025	88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.2%	96.0%
	2026	88.6%	89.9%	91.2%	94.5%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%
2007-2016		91.2%	89.4%	91.4%	94.1%	95.5%	95.1%	95.5%	96.2%	94.3%	95.9%	90.5%	89.0%	92.3%	96.2%
2017-2026		88.5%	89.9%	91.2%	94.6%	95.9%	94.7%	94.9%	96.1%	94.3%	95.2%	87.7%	90.0%	87.1%	96.0%

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), Starke (Sep-35)



FMPA 2017 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)				
		Year		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)
Historical	2007	2,035,888	-	2,049,434	-	0.7%	364.2	-	395.9	-	8.7%	449.2	-	438.6	-	-2.4%
	2008	1,960,379	-3.7%	1,969,052	-3.9%	0.4%	395.4	8.6%	390.6	-1.3%	-1.2%	420.5	-6.4%	419.5	-4.3%	-0.2%
	2009	1,939,898	-1.0%	1,933,553	-1.8%	-0.3%	432.9	9.5%	414.0	6.0%	-4.4%	438.2	4.2%	441.4	5.2%	0.7%
	2010	1,994,053	2.8%	1,892,064	-2.1%	-5.1%	466.6	7.8%	406.9	-1.7%	-12.8%	415.8	-5.1%	403.7	-8.5%	-2.9%
	2011	1,930,773	-3.2%	1,848,901	-2.3%	-4.2%	416.1	-10.8%	415.6	2.1%	-0.1%	407.5	-2.0%	378.6	-6.2%	-7.1%
	2012	1,820,328	-5.7%	1,820,963	-1.5%	0.0%	381.2	-8.4%	369.9	-11.0%	-3.0%	373.5	-8.3%	427.2	12.8%	14.4%
	2013	1,827,744	0.4%	1,824,625	0.2%	-0.2%	342.2	-10.2%	361.8	-2.2%	5.7%	391.2	4.7%	405.9	-5.0%	3.8%
	2014	1,853,952	1.4%	1,841,926	0.9%	-0.6%	371.1	8.5%	401.7	11.0%	8.2%	406.2	3.8%	411.3	1.3%	1.3%
	2015	1,902,497	2.6%	1,852,891	0.6%	-2.6%	407.6	9.8%	415.3	3.4%	1.9%	419.6	3.3%	443.8	7.9%	5.8%
	2016	1,959,340	3.0%	1,890,751	2.0%	-3.5%	370.4	-9.1%	400.6	-3.5%	8.2%	429.1	2.3%	422.6	-4.8%	-1.5%
Projected	2017	1,879,023	-4.1%	1,879,023	-0.6%		387.4	4.6%	387.4	-3.3%		408.2	-4.9%	408.2	-3.4%	
	2018			1,900,092	1.1%				393.2	1.5%				414.3	1.5%	
	2019			1,924,928	1.3%				397.9	1.2%				419.3	1.2%	
	2020			1,947,526	1.2%				402.6	1.2%				424.3	1.2%	
	2021			1,968,169	1.1%				406.9	1.1%				428.8	1.1%	
	2022			1,989,637	1.1%				411.3	1.1%				433.4	1.1%	
	2023			2,010,981	1.1%				415.7	1.1%				438.1	1.1%	
	2024			2,033,518	1.1%				420.3	1.1%				443.0	1.1%	
	2025			2,052,985	1.0%				424.3	0.9%				447.2	1.0%	
	2026			2,073,421	1.0%				428.5	1.0%				451.6	1.0%	
	2027			2,093,768	1.0%				432.7	1.0%				456.1	1.0%	
	2028			2,115,288	1.0%				437.1	1.0%				460.7	1.0%	
	2029			2,133,783	0.9%				440.9	0.9%				464.8	0.9%	
	2030			2,153,417	0.9%				444.9	0.9%				469.0	0.9%	
	2031			2,172,736	0.9%				448.9	0.9%				473.2	0.9%	
	2032			2,192,996	0.9%				453.0	0.9%				477.6	0.9%	
	2033			2,210,057	0.8%				456.5	0.8%				481.3	0.8%	
	2034			2,228,272	0.8%				460.2	0.8%				485.3	0.8%	
	2035			2,246,484	0.8%				464.0	0.8%				489.3	0.8%	
2036			2,266,394	0.9%				468.1	0.9%				493.6	0.9%		
CAGR <sup>[3]</sup>	2007-2016		-0.4%		-0.9%			0.2%		0.1%			-0.5%		-0.4%	
	2017-2026				1.1%					1.1%					1.1%	
	2027-2036				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 reflect an independent determination of the ARP peak month, which may be different than the actual peak month.

[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), Starke (Sep-35)

Ft. Meade is assumed to take service on the basis of a CROD of 10.36 MW beginning Jan-16

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

**FMPA 2017 Load Forecast - Mild Weather Case**  
**Duke Energy Florida Cities - Supplied**  
**Monthly Net Energy for Load (MWh)**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	152,030	142,943	140,517	1,916,589	1,902,497
	2016	149,700	135,337	138,366	142,125	169,913	194,799	209,266	201,242	183,103	160,475	135,521	144,401	1,964,247	1,959,340
Projected	2017	142,635	125,848	139,491	145,090	166,283	179,914	183,203	188,653	167,509	154,076	139,368	146,321	1,878,391	1,879,023
	2018	144,763	128,179	141,424	146,355	169,611	182,064	185,816	192,218	169,897	156,550	141,630	148,295	1,906,802	1,900,092
	2019	146,742	130,080	143,140	148,221	171,865	184,167	188,073	194,462	171,704	158,289	143,227	149,874	1,929,843	1,924,928
	2020	148,360	132,867	144,682	149,873	173,752	186,169	190,163	196,638	173,633	160,098	144,865	151,575	1,952,675	1,947,526
	2021	150,049	133,027	146,321	151,581	175,715	188,260	192,293	198,827	175,558	161,875	146,470	153,248	1,973,224	1,968,169
	2022	151,691	134,483	147,920	153,241	177,629	190,298	194,365	200,969	177,447	163,624	148,060	154,907	1,994,634	1,989,637
	2023	153,317	135,932	149,515	154,897	179,539	192,330	196,429	203,102	179,328	165,362	149,641	156,553	2,015,947	2,010,981
	2024	154,929	138,760	151,094	156,535	181,429	194,340	198,471	205,214	181,190	167,083	151,205	158,185	2,038,435	2,033,518
	2025	156,526	138,791	152,655	158,155	183,292	196,321	200,478	207,284	183,010	168,764	152,733	159,773	2,057,781	2,052,985
Projected	2026	158,078	140,176	154,180	159,739	185,120	198,263	202,452	209,328	184,815	170,436	154,256	161,364	2,078,207	2,073,421
	2027	159,634	141,561	155,702	161,318	186,938	200,196	204,412	211,353	186,598	172,084	155,755	162,926	2,098,477	2,093,768
	2028	161,163	144,368	157,201	162,875	188,733	202,106	206,351	213,359	188,367	173,721	157,247	164,484	2,119,975	2,115,288
	2029	162,686	144,281	158,692	164,423	190,516	204,000	208,273	215,344	190,115	175,337	158,717	166,014	2,138,399	2,133,783
	2030	164,183	145,615	160,159	165,946	192,270	205,866	210,167	217,302	191,841	176,933	160,172	167,531	2,157,985	2,153,417
	2031	165,664	146,930	161,603	167,444	193,993	207,698	212,023	219,219	193,526	178,489	161,589	169,008	2,177,186	2,172,736
	2032	167,105	149,695	163,000	168,896	195,662	209,476	213,825	221,084	195,167	180,008	162,975	170,457	2,197,349	2,192,996
	2033	168,516	149,472	164,392	170,341	197,322	211,241	215,613	222,930	196,790	181,509	164,345	171,884	2,214,355	2,210,057
	2034	169,907	150,709	165,751	171,754	198,947	212,969	217,366	224,744	198,388	182,989	165,697	173,297	2,232,517	2,228,272
Projected	2035	171,286	151,944	167,110	173,169	200,577	214,708	219,131	226,574	200,002	184,487	167,068	174,732	2,250,788	2,246,484
	2036	172,688	154,724	168,480	174,595	202,219	216,458	220,908	228,413	201,622	185,987	168,439	176,165	2,270,699	2,266,394

**Monthly NEL Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.5%	7.3%	100.0%
	2016	7.6%	6.9%	7.0%	7.2%	8.7%	9.9%	10.7%	10.2%	9.3%	8.2%	6.9%	7.4%	100.0%
Projected	2017	7.6%	6.7%	7.4%	7.7%	8.9%	9.6%	9.8%	10.0%	8.9%	8.2%	7.4%	7.8%	100.0%
	2018	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2019	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2020	7.6%	6.8%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2021	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2022	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2023	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2024	7.6%	6.8%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
	2025	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	100.0%
Avg.	2007-2016	8.0%	7.0%	7.2%	7.5%	8.8%	9.6%	10.0%	10.2%	9.3%	8.1%	6.9%	7.5%	100.0%
	2017-2026	7.6%	6.7%	7.4%	7.7%	8.9%	9.5%	9.7%	10.1%	8.9%	8.2%	7.4%	7.8%	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), Starke (Sep-35)

**FMPA 2017 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	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	343.8	346.5	281.3	408.2	423.0
	2016	379.5	370.8	302.9	347.8	380.5	422.9	435.7	426.9	390.5	364.8	271.6	306.6	379.5	435.7
Projected	2017	391.6	361.3	293.2	316.2	368.1	405.4	397.6	414.7	384.0	347.4	275.7	311.2	391.6	414.7
	2018	397.5	366.7	297.7	321.0	373.6	411.5	403.6	421.0	389.8	352.7	279.0	315.0	397.5	421.0
	2019	402.3	371.1	301.3	324.9	378.1	416.5	408.5	426.1	394.6	357.0	282.3	318.7	402.3	426.1
	2020	407.0	375.5	304.8	328.7	382.6	421.4	413.3	431.1	399.2	361.2	285.3	322.0	407.0	431.1
	2021	411.3	379.5	308.0	332.1	386.6	425.9	417.6	435.6	403.4	365.0	288.4	325.5	411.3	435.6
	2022	415.7	383.6	311.4	335.7	390.8	430.5	422.2	440.4	407.8	368.9	291.4	329.0	415.7	440.4
	2023	420.1	387.7	314.7	339.3	395.0	435.1	426.7	445.1	412.1	372.9	294.7	332.6	420.1	445.1
	2024	424.7	392.0	318.2	343.1	399.4	439.9	431.4	450.0	416.7	377.0	297.5	335.8	424.7	450.0
	2025	428.7	395.7	321.2	346.4	403.2	444.1	435.5	454.3	420.7	380.6	300.4	339.1	428.7	454.3
Projected	2026	432.9	399.6	324.4	349.8	407.2	448.5	439.9	458.8	424.9	384.4	303.4	342.5	432.9	458.8
	2027	437.0	403.5	327.5	353.2	411.1	452.9	444.1	463.3	429.0	388.1	306.5	345.9	437.0	463.3
	2028	441.4	407.6	330.9	356.8	415.3	457.5	448.7	468.0	433.4	392.1	309.1	349.0	441.4	468.0
	2029	445.2	411.2	333.7	359.9	419.0	461.5	452.6	472.1	437.2	395.5	312.0	352.2	445.2	472.1
	2030	449.2	414.9	336.8	363.2	422.8	465.7	456.7	476.4	441.2	399.1	314.7	355.3	449.2	476.4
	2031	453.2	418.6	339.8	366.5	426.5	469.9	460.8	480.7	445.1	402.7	317.7	358.6	453.2	480.7
	2032	457.4	422.5	342.9	369.8	430.5	474.2	465.1	485.1	449.2	406.4	320.1	361.4	457.4	485.1
	2033	460.9	425.8	345.5	372.7	433.8	477.9	468.7	488.9	452.7	409.5	322.8	364.4	460.9	488.9
	2034	464.7	429.2	348.4	375.8	437.4	481.8	472.5	492.9	456.4	412.9	325.4	367.3	464.7	492.9
Projected	2035	468.5	432.7	351.2	378.8	440.9	485.8	476.4	496.9	460.1	416.2	328.3	370.6	468.5	496.9
	2036	472.6	436.6	354.3	382.2	444.8	490.0	480.6	501.3	464.2	419.9	330.7	373.3	472.6	501.3

**Monthly Load Factors**

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2015	57.3%	49.4%	64.4%	61.8%	67.2%	58.9%	65.1%	61.5%	61.6%	59.4%	55.4%	69.4%	53.6%	51.7%
	2016	53.0%	52.4%	61.4%	54.9%	66.5%	61.9%	66.7%	63.4%	65.1%	59.1%	67.1%	65.4%	59.1%	51.5%
Projected	2017	49.0%	51.8%	63.9%	61.7%	67.2%	59.6%	64.0%	61.1%	60.6%	59.6%	67.9%	65.3%	54.8%	51.7%
	2018	48.9%	52.0%	63.9%	61.3%	67.6%	59.5%	63.9%	61.4%	60.5%	59.7%	68.2%	65.4%	54.8%	51.7%
	2019	49.0%	52.2%	63.9%	61.3%	67.6%	59.4%	64.0%	61.3%	60.4%	59.6%	68.2%	65.3%	54.8%	51.7%
	2020	49.0%	50.8%	63.8%	61.3%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
	2021	49.0%	52.2%	63.8%	61.3%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
	2022	49.0%	52.2%	63.9%	61.3%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
	2023	49.1%	52.2%	63.9%	61.4%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
	2024	49.0%	50.9%	63.8%	61.3%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
	2025	49.1%	52.2%	63.9%	61.4%	67.7%	59.4%	63.9%	61.3%	60.4%	59.6%	68.3%	65.4%	54.8%	51.7%
Avg.	2007-2016	53.9%	54.2%	61.8%	59.2%	67.9%	59.8%	65.2%	63.1%	63.1%	59.4%	61.2%	64.6%	55.2%	51.9%
	2017-2026	49.0%	51.9%	63.9%	61.4%	67.6%	59.4%	63.9%	61.3%	60.4%	59.6%	68.2%	65.4%	54.8%	51.7%

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), Starke (Sep-35)

**FMPA 2017 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	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	342.3	343.2	273.8	407.6	419.6
	2016	376.2	370.4	302.5	347.5	371.8	415.8	429.1	424.4	378.1	358.1	266.7	295.4	370.4	429.1
Projected	2017	387.4	359.2	277.4	308.6	358.2	397.0	388.6	408.2	375.9	341.1	270.6	299.8	387.4	408.2
	2018	393.2	364.6	281.6	313.3	363.7	403.0	394.5	414.3	381.6	346.2	273.9	303.4	393.2	414.3
	2019	397.9	369.0	285.1	317.1	368.0	407.8	399.3	419.3	386.2	350.4	277.1	307.0	397.9	419.3
	2020	402.6	373.3	288.4	320.8	372.4	412.7	404.0	424.3	390.8	354.6	280.1	310.2	402.6	424.3
	2021	406.9	377.3	291.4	324.2	376.3	417.0	408.3	428.8	394.9	358.3	283.1	313.6	406.9	428.8
	2022	411.3	381.4	294.6	327.7	380.4	421.6	412.7	433.4	399.2	362.2	286.1	317.0	411.3	433.4
	2023	415.7	385.4	297.7	331.2	384.5	426.1	417.1	438.1	403.5	366.1	289.3	320.5	415.7	438.1
	2024	420.3	389.7	301.1	334.9	388.8	430.8	421.7	443.0	408.0	370.1	292.1	323.5	420.3	443.0
	2025	424.3	393.4	303.9	338.1	392.4	434.9	425.8	447.2	411.8	373.7	295.0	326.8	424.3	447.2
	2026	428.5	397.3	306.9	341.4	396.3	439.2	430.0	451.6	415.9	377.4	297.9	329.9	428.5	451.6
Projected	2027	432.7	401.2	309.9	344.8	400.2	443.5	434.2	456.1	420.0	381.0	300.9	333.3	432.7	456.1
	2028	437.1	405.3	313.1	348.3	404.3	448.1	438.6	460.7	424.3	384.9	303.5	336.2	437.1	460.7
	2029	440.9	408.8	315.8	351.3	407.8	452.0	442.4	464.8	428.0	388.3	306.3	339.3	440.9	464.8
	2030	444.9	412.6	318.7	354.5	411.5	456.1	446.5	469.0	431.9	391.8	309.1	342.4	444.9	469.0
	2031	448.9	416.2	321.5	357.7	415.2	460.2	450.5	473.2	435.8	395.3	311.9	345.6	448.9	473.2
	2032	453.0	420.1	324.5	361.0	419.0	464.5	454.6	477.6	439.8	399.0	314.3	348.2	453.0	477.6
	2033	456.5	423.3	327.0	363.8	422.3	468.1	458.2	481.3	443.2	402.1	316.9	351.1	456.5	481.3
	2034	460.2	426.8	329.6	366.8	425.7	471.9	461.9	485.3	446.8	405.4	319.5	354.0	460.2	485.3
	2035	464.0	430.3	332.3	369.8	429.2	475.8	465.7	489.3	450.5	408.7	322.4	357.1	464.0	489.3
	2036	468.1	434.1	335.3	373.1	433.0	480.0	469.8	493.6	454.5	412.3	324.8	359.8	468.1	493.6

**Monthly Coincidence Factors**

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.6%	99.0%	97.3%	99.8%	99.2%
	2016	99.1%	99.9%	99.9%	99.9%	97.7%	98.3%	98.5%	99.4%	96.8%	98.2%	98.2%	96.3%	97.6%	98.5%
Projected	2017	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.7%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2018	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2019	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2020	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2021	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2022	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2023	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	98.4%
	2024	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2025	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2026	99.0%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	99.0%	98.4%
	2007-2016	99.4%	99.3%	95.0%	97.7%	97.3%	98.1%	97.5%	98.5%	98.0%	98.2%	93.4%	95.2%	98.8%	98.2%
	2017-2026	98.9%	99.4%	94.6%	97.6%	97.3%	97.9%	97.8%	98.4%	97.9%	98.2%	98.2%	96.3%	98.9%	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), Starke (Sep-35)

## Appendix G

### EXPLANATORY VARIABLES BY ARP PARTICIPANT

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## FMPA 2017 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), Energy efficiency index, 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, 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), Multiple step variables (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	Adjusted 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, CDD, CDD(-1), Seasonal binaries, 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	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	Adjusted personal income, CDD, CDD(-1), HDD(-1), Seasonal binaries, Binary variables to address select anomalies, Negative step variable (2016)	
<b>Havana</b>	Households, Positive trend variable (2007-08)	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variables (2012/15)	Adjusted personal income, Electricity price, CDD, CDD(-1), HDD(-1), Variable for hurricane and other data anomalies, Negative step variable (2016)		
<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, 2015), Seasonal binaries, Binary variables 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 2017 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, Declining Growth Trend (asymptotic, 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 (2005, 2013)		<b>Navy Base:</b> CDD, CDD(-1), HDD(-1), assumed to be 10% lower by 2036 (due to energy efficiency goals)
Kissimmee	Seasonal base, Households, Binaries to address anomalies	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, U.S. personal savings rate, CDD(-1), HDD(-1), Seasonal binaries, Negative step variable (2014), Binary variables for hurricane events	
Leesburg	Seasonal base, Households, Binary variables to address anomalies, Positive step variables to address Villages development	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)	Adjusted personal income per HH, U.S. personal savings rate, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Binaries to address anomalies, Negative step variable (2015)	Adjusted personal income, CDD, CDD(-1), Negative step variable (loss of major customer in 2000)		
Ocala	Households, FL mortgage originations, Seasonal binaries, Binary variable to address anomalies	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, Positive step variable (2015)	Adjusted personal income per HH, Electricity price, Natural gas price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variable (2012)	Adjusted personal income, Electricity price, Seasonal binaries, CDD, CDD(-1), HDD, 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.



