FLORIDA MUNICIPAL POWER AGENCY

2018 LOAD FORECAST

FINAL REPORT

JUNE 2018

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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 utility industry standard practices and thorough review of results by various parties is essential to FMPA operations and long-term planning.

The 2018 Load Forecast has been prepared for a 20-year period, beginning 2018 through 2037. 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 2017 (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 primarily 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. 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 (FPL) and Duke Energy Florida (DEF).

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 Woods and Poole Economics (Woods & Poole), a nationally-recognized provider of such data, and the University of Florida's Bureau of Economic and Business Research, a widely-used resource for Florida utilities, with 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 2018 Annual Energy Outlook (AEO), published by the Energy Information Administration (EIA) in February 2018.

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.[1]

■ **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 FMPA planning analyses.

The results of the Forecast reflect that the net energy for load (NEL) of the Current Participants[2], depicted in Figure ES-1 below, is expected to grow at compound annual growth rates of 1.2% per year over fiscal years (FY)[3] 2018-2027 and 0.9% over 2028-2037. The Base Case projected fiscal year 2018 NEL is 5,963 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 2002-2017 of 0.3% per year and a compound annual *decline* over the most recent 10 years (i.e., 2008-2017) of 0.2% per year. However, as discussed further below, the load of the Participants over 2008-2017 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. The load of the ARP Participants bottomed out in 2012, well after the official end of the recession in late 2009. Since 2012, the NEL of the Current Participants has grown by 0.5% per year. 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. The forecast results reflect that the FY NEL of the Current Participants is expected to exceed the previous peak level of NEL, which occurred in 2006, in 2019.

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.

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[1] 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 Green Cove Springs rather than the load that is expected to be served by the ARP.

[2] 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).

[3] FMPA's fiscal year represents the twelve month period from October of the preceding year through September of the current year.
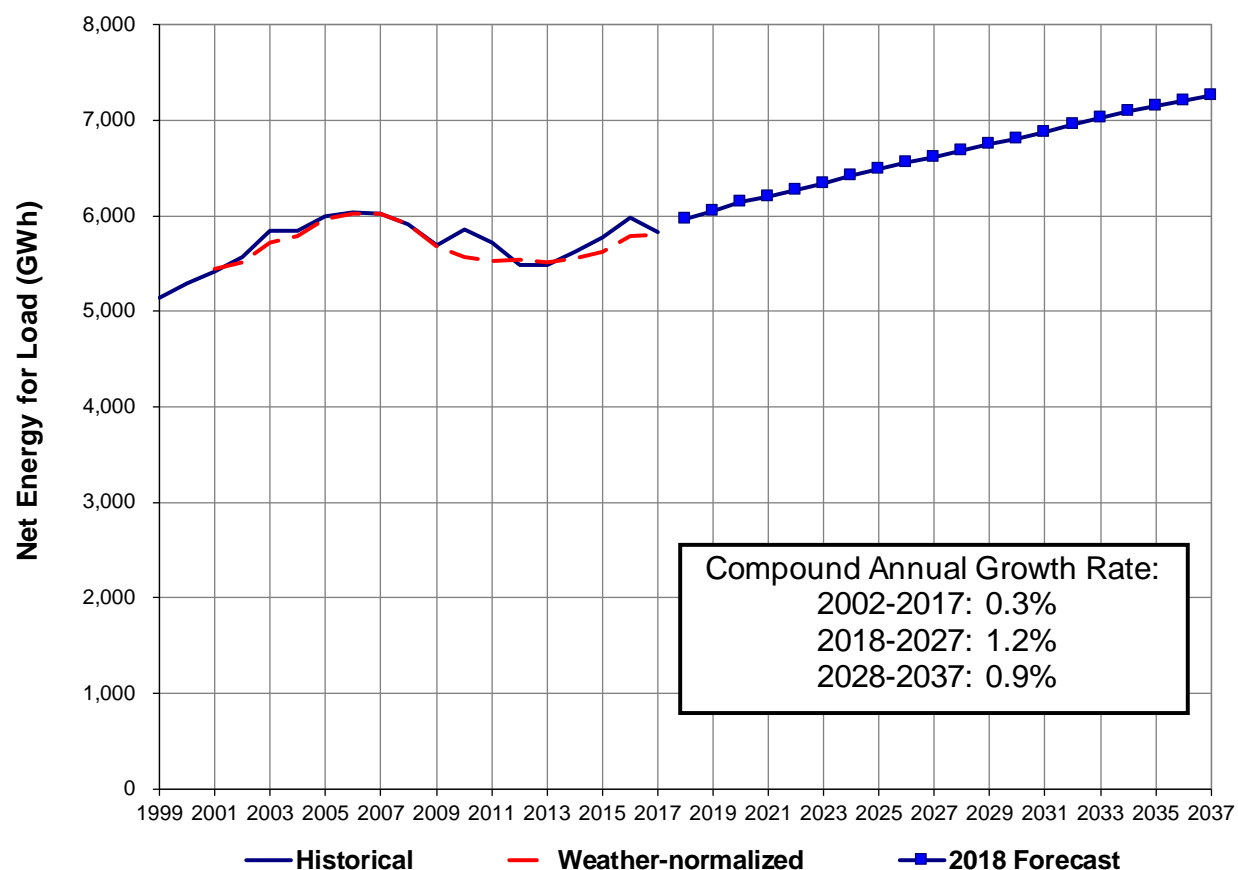
Figure ES-1: Total Net Energy for Load of Current Participants

The Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound annual growth rates of 1.2% per year over 2018-2027 and 0.9% over 2028-2037. The Base Case projected 2018 coincident peak of the Current Participants is 1,256.7 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 2002-2017 of 0.6% per year and compound annual growth over 2008-2017 of 0.2% 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 recovering. The recent recession had significant negative effects on the housing market, construction and total employment, consumer spending, and visitation by tourists and other seasonal residents. Since 2012, these factors have all improved considerably, as shown in the table below.

Table ES-1
Recent Trends in Florida Economic Indicators

Economic Indicator	2008 Value	2012 Value	2017 Value
Home Price Index (2016$)	213,905	153,928	237,500
Gross State Product (2009$; $M)	764,086	726,372	836,056
Unemployment Rate	6.3%	8.5%	4.2%
Total Employment (Ths)	10,297	10,256	12,114
Construction Employment (Ths)	693	502	701
Tourist Visitation Counts (millions)	82.5	89.7	116.5

Sources: Florida Association of Realtors, Bureau of Economic Analysis, Bureau of Labor Statistics, Woods and Poole Economics, and Visit Florida

This improvement in the economic conditions has been accompanied by a sustained recovery in the demand for electricity in the service areas of the ARP Participants. The economy is anticipated to continue growing at an above-normal pace over the early years of the forecast horizon, which should result in continued growth in the load served by the Participants. The forecasted growth rates in NEL and coincident peak demand for the ARP over 2018-2027 shown above reflect the impact of this above-normal growth.

The load 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 Green Cove Springs beginning January 2020, with an estimated CROD value in the Base Case of 25.60 MW. See Section 4 herein for a more detailed discussion of the estimated CROD for Green Cove Springs. Service under a CROD for Ft. Meade was effective January 2015 at a CROD originally established at 10.36 MW. However, as a result of a supplemental service agreement with Ft. Meade, the ARP will supply all of Ft. Meade's requirements, with its CROD reduced to 9.009 MW, effective by the end of fiscal year 2018. Accordingly, the Forecast assumes the ARP will supply all of Ft. Meade's requirements over the entire forecast horizon.

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 impact of the initiation of service

under a CROD for Green Cove Springs is not specifically noted in the Figures below, as it is not sufficiently visible in the charts. Values beyond 2035 are reduced by the anticipated departure of Starke from the ARP, effective October 2035.
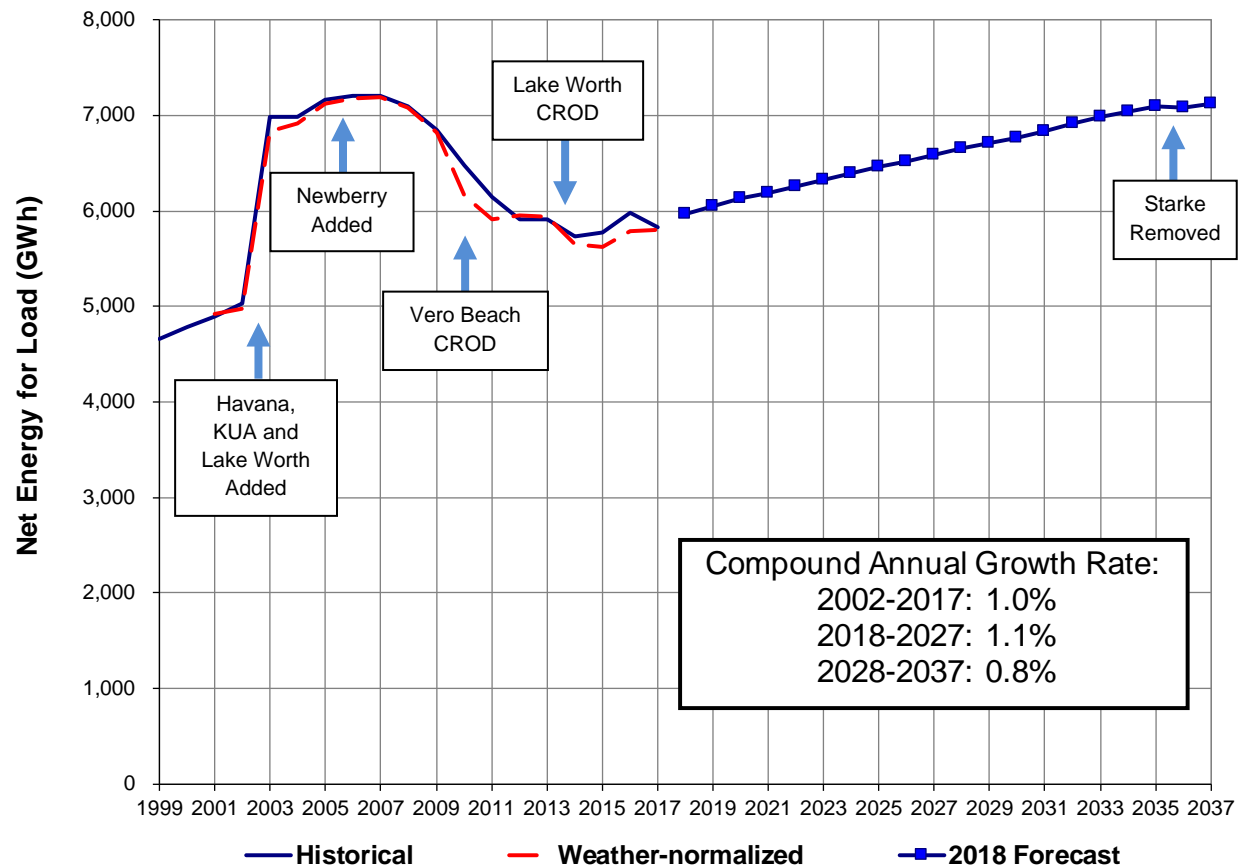
Figure ES-2: Fiscal Year Net Energy for Load Supplied from the ARP
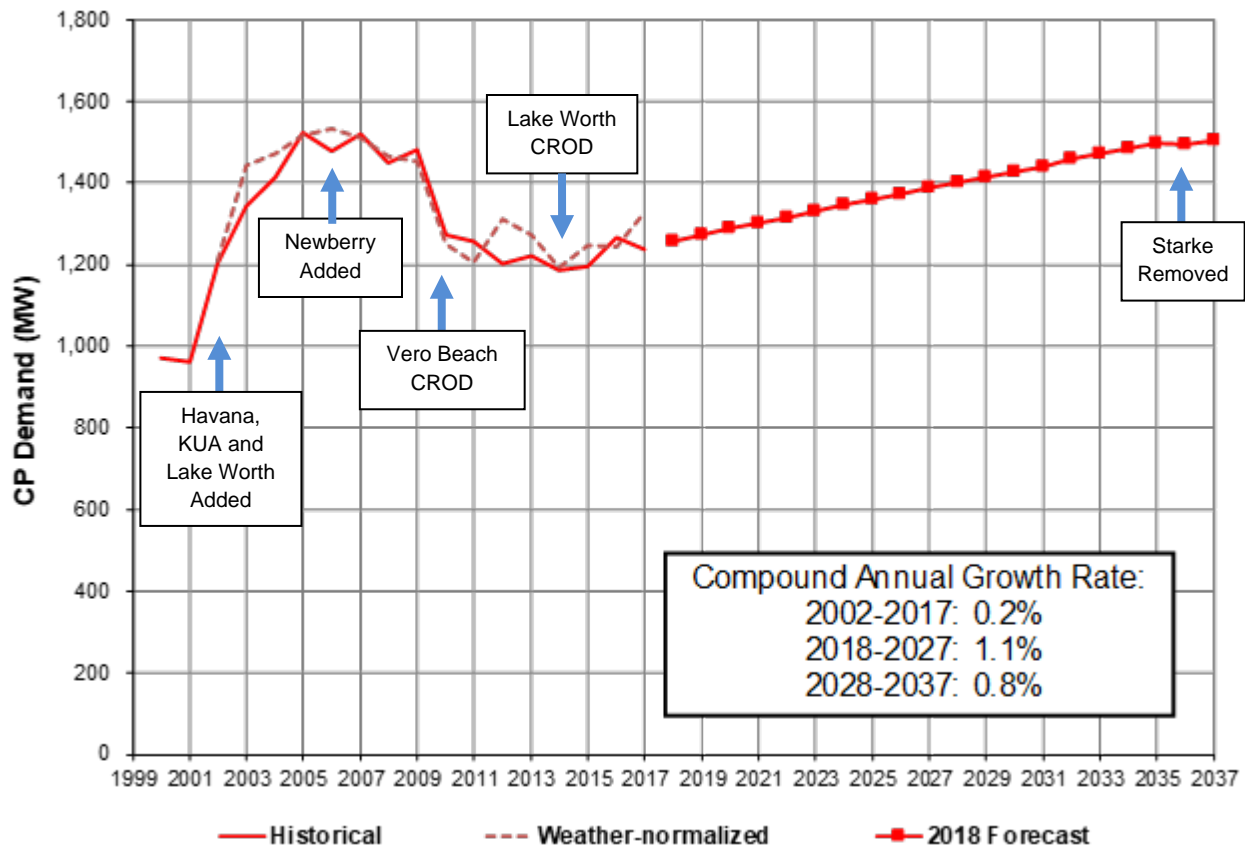
Figure ES-3: Summer Peak Demand Supplied from the ARP

Figure ES-4 compares the currently forecasted peak demand supplied by the ARP and the forecasted peak demand from the 2017 Forecast. This comparison shows that the current Forecast reflects load levels that are 0.5% higher in the early years of the forecast horizon and slightly higher growth over the forecast horizon, resulting in load levels that are as much as 1.5% higher by the end of the forecast horizon. These higher load levels are driven primarily from an assumed service area acquisition (with existing load) by Bushnell and slightly higher projected growth in average income across the ARP Participants. However, Figure ES-4 reflects that the current Forecast is very similar to the 2017 Forecast.
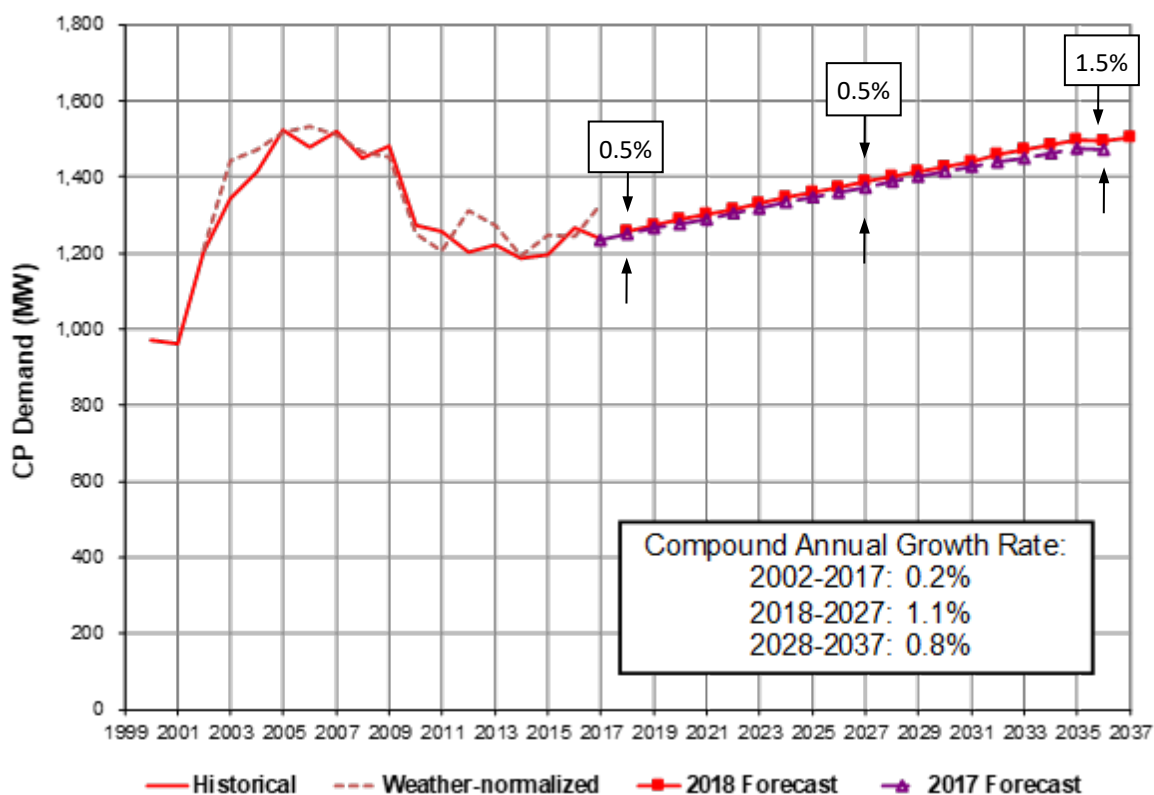
Figure ES-4: Annual ARP Demand Supplied by the ARP

The 2018 Forecast results are strongly influenced by the return of strong population growth to the Florida peninsula and the rebound in growth in residential customer counts and economic activity that this growth in population entails. Importantly, residential average use is projected to be relatively flat over the forecast horizon and is not a growth driver. Figure ES-5 below depicts the comparative growth rates in residential customer counts over 2018-2038 across the ARP Participants ordered in descending compound average growth rate (CAGR) order, with the line across the chart representing the ARP average growth rate. Bushnell reflects the highest growth rate by far due to the assumed acquisition of additional service area and customers of a bordering utility. Kissimmee reflects the next highest growth, which significantly affects the overall ARP, as it is the largest ARP member and has by far the largest base of residential customers.
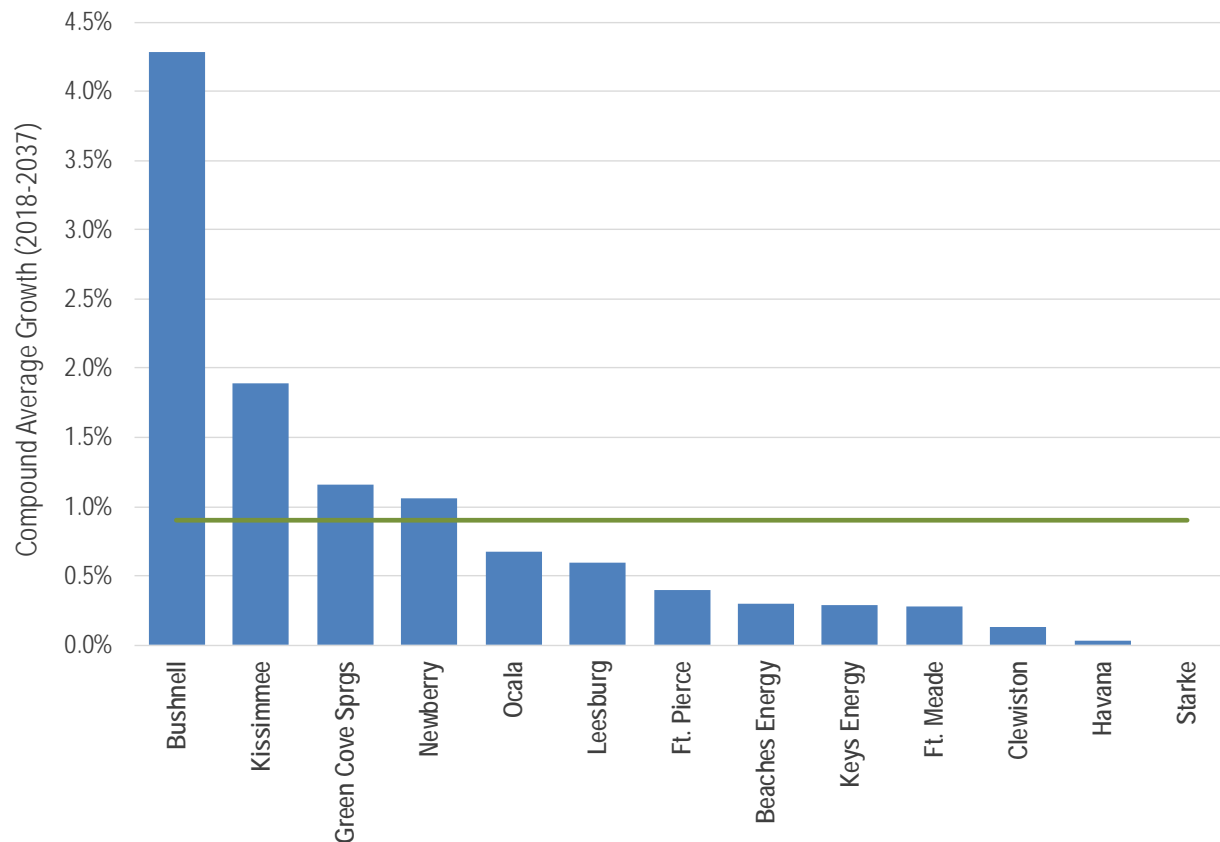
Figure ES-5: Compound Average Growth in Residential Customers over the Forecast Horizon

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 2018 to 2027 and from 0.5% to 1.2% over 2028 to 2037 (as compared to the projected growth of the Base Case of 1.2% over 2018 to 2027 and 0.9% over 2028 to 2037).

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 8.4% and lower in the Mild Case by 7.0% than the Base Case results.

Figure ES-6 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.
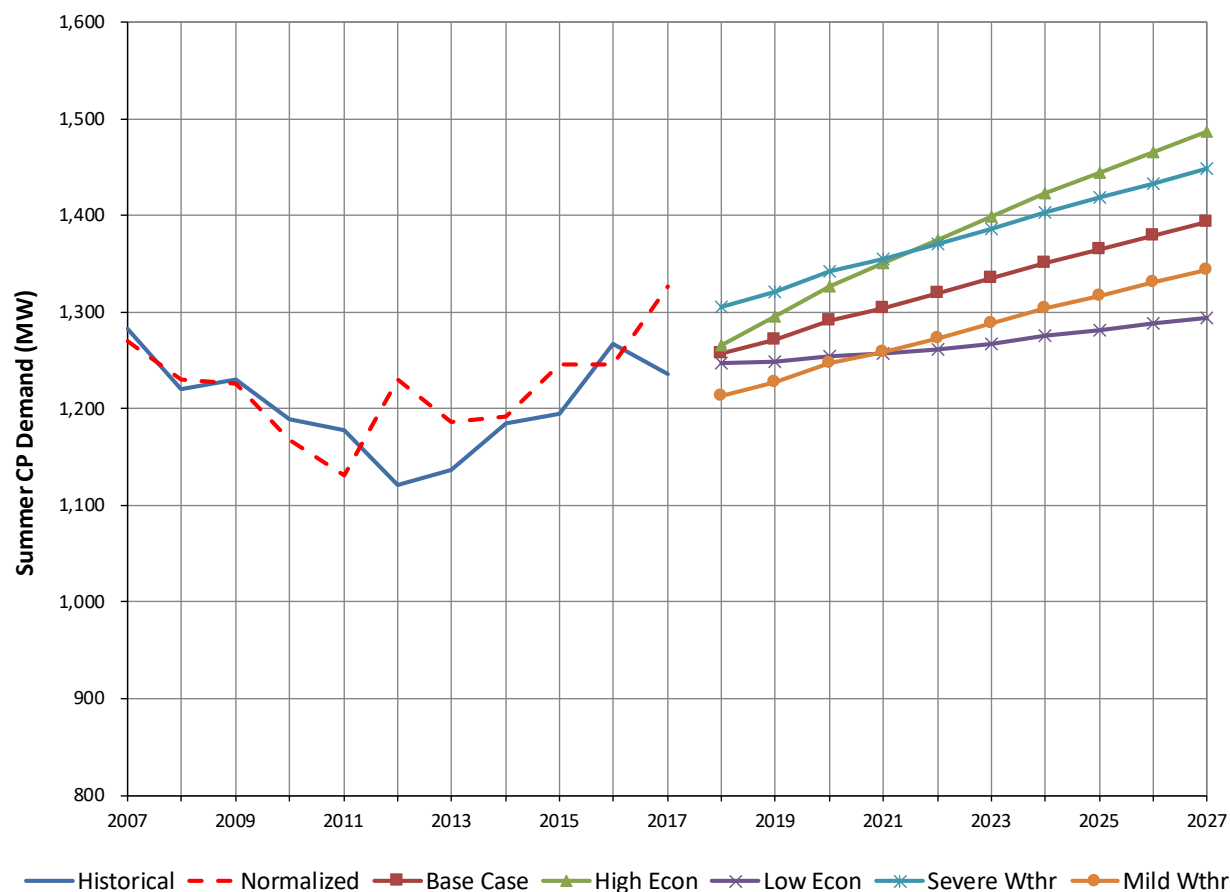
Figure ES-6: Forecast Scenarios of Coincident Peak Demand – Current Participants

The economic scenarios are derived from statistics provided by Woods & Poole regarding historical errors in their state-level forecasts across the United States over 1984-2016. nFront continuously monitors the error statistics published by Woods and Poole and updates these statistics for use in the Load Forecast as appropriate.

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 2018 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

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 an average of 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 upon the prior body of empirical work accumulated 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 major customer classification for each Participant. In some cases, classifications were combined to eliminate the effects of class migration or redefinition. In this way, greater continuity 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 [1]
Bushnell	X	X				
Clewiston	X	X	X	X [2]		
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 [3]	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. 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 an 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 estimates 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 2009-2017. As of December 2017, the ARP had an estimated 3,759 kW-AC of nameplate solar PV renewable generation connected to the grid through the Net Metering Program.

Table 1-2
Historical Net Metering Capacity Across the ARP[4]

Calendar Year	Annual Installs	Cumulative Installs	Cumulative Capacity (kW-AC)[5]	Estimated Generation (MWh-AC)[6]
2009	22	36	227	386
2010	41	77	430	729
2011	22	99	581	983
2012	28	127	782	1,316
2013	67	194	957	1,606
2014	33	227	1,862	3,139
2015	50	277	2,204	3,711
2016	87	364	2,769	4,645
2017	146	510	3,759	6,274

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

[4] 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.
[5] Nameplate capacity. Not adjusted for coincidence with the FMPA peak or expected degradation of performance.

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^{TM} model.[6] 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 utilized 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 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 among residential customers across the Participant systems will eventually grow from the current level of about 0.2 percent to between 0.8 and 1.2 percent by the end of the forecast horizon, or 2037. Using both approaches, projections of the number and capacity of PV installations were developed and adjusted for degradation over time. The resulting projected installed capacity was

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[6] 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.

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.[7]

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 allows municipal and cooperative utilities to set their own net metering policies, thus allowing for varying treatment of excess generation that flows back onto the utility system, Florida's investor-owned utilities must credit excess generation, up to the amount of billed consumption, back to the customer at the full retail rate. Remaining excess generation beyond the amount of billed consumption over a 12-month billing period is credited at the utility's avoided cost, which is typically far lower. Changes in the rate treatment of distributed generation and net metering could impact uptake of distributed PV in the future.

FMPA intends to continue monitoring the trend in installations of distributed generation across the Participants' systems and refining the forecasting methods discussed above. While the economics of distributed solar generation continue to improve, the economics of utility-scale solar are far superior. Additionally, utility-scale solar can make solar energy cost-effective for customers whose homes are not well suited for solar (as a result of orientation or shading) and customers who are not homeowners. Accordingly, FMPA and many of its members, including some ARP Participants have contracted for utility-scale solar generation. The Florida Municipal Solar Project has an expected contract in-service date of June 2020.

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

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[7] 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.

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 or changes in billing practices 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 2008-2017. 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 the most recent five to ten years, the longer averaging period being utilized

to reduce the influence of recent anomalous weather (e.g., the very mild 2016/17 winter). 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, FPL and DEF, 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 FPL and DEF.

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 2017 (Study Period). ARP Conservation Program data were provided by FMPA for the 2009-2017[8] 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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[8] Some data regarding 2017 was not yet available at the time of the analyses presented herein.

CDD, respectively, for the Orlando airport weather station, with 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 (winter 2016/17 being far below normal), while CDD over the last few summers have generally been above normal (except for summer 2017, which was closer to normal, with a few weather stations, including Orlando airport, being slightly below normal).[9] These observations are similar for most other weather stations impacting the ARP Participants.
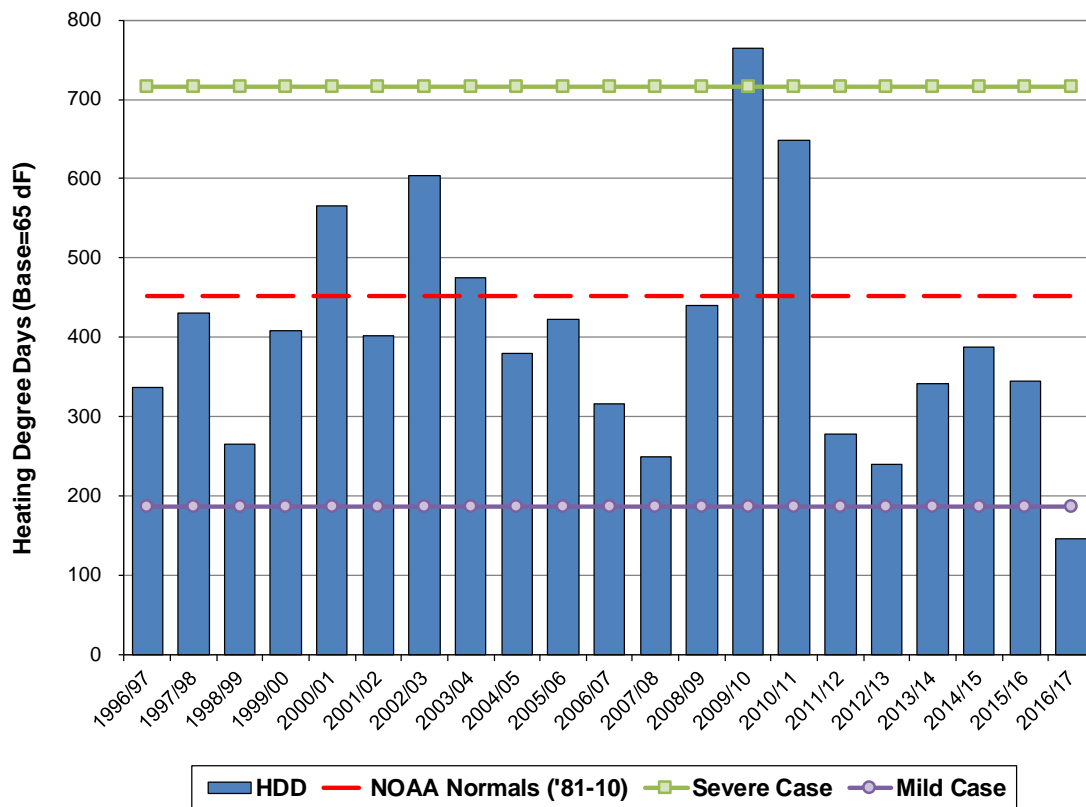
Figure 2-1: Historical v. Normal and Typical Range of Winter Heating Degree Days

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[9] The Study Period of analysis for the Load forecast reflects an endpoint of September 2017.
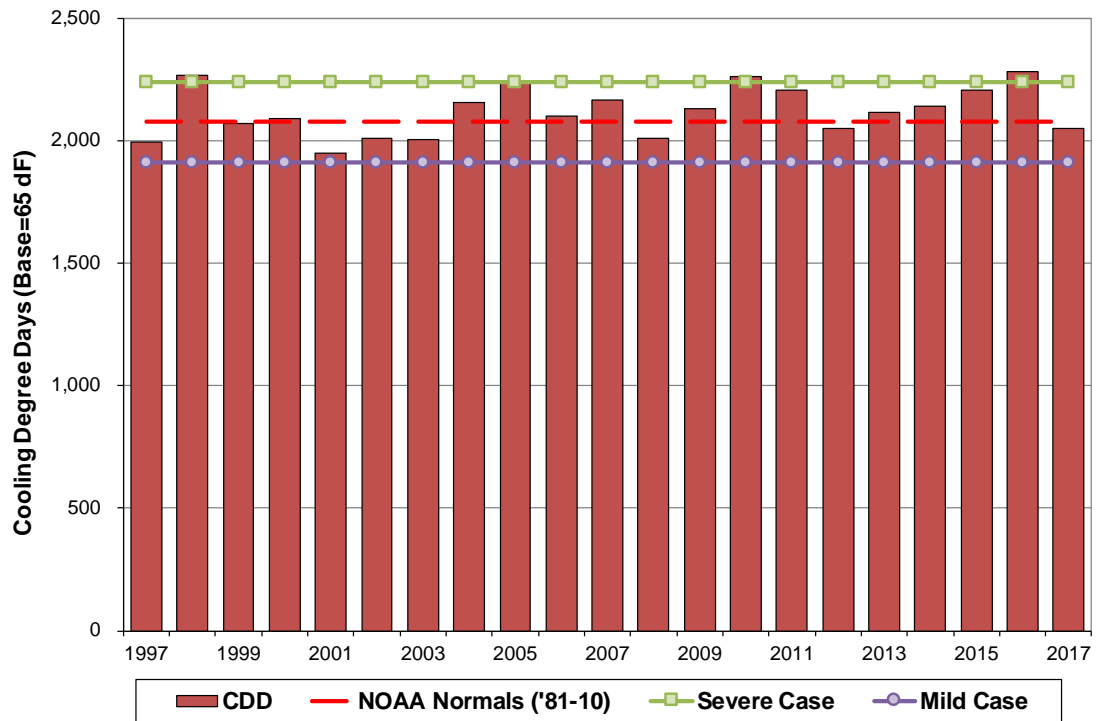
Figure 2-2: Historical v. Normal and Typical Range of Summer Cooling Degree Days

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 Woods & Poole Economics (W&P), a nationally recognized provider 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.

Population projections were also obtained from the University of Florida's Bureau of Economic and Business Research (BEBR), a widely used resource for Florida utilities. The BEBR projections reflect a slightly more conservative outlook for population growth across the ARP service territories than the W&P projections.

The historical and projected data used in the econometric analysis and resulting forecasting equations reflect a blending of the two data providers (Woods & Poole and BEBR), generally beginning in 2016. The population projections for the two data providers were generally blended by averaging the annual rates. All other economic and demographic data provided by Woods & Poole were adjusted by the resulting percentage difference from the Woods & Poole population projections to arrive at a similar blended outlook for these variables. This reflects the idea that population can be viewed as the key underlying indicator across all of these variables (e.g., employment variations imply similar population variations, barring temporary economic fluctuations due to the economic cycle). In several cases, the forecast reflects varying weights between the two providers' projections over the forecast horizon, which have generally been designed to reduce growth rates somewhat.

Two of the most influential variables in the 2018 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 2017 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 back well into the Study Period, and growth rates are actually slightly lower.

Average Annual Growth Rate:

	Blend 2017	Blend 2018
2008-2017:	1.2%	1.4%
2018-2027:	1.6%	1.5%
2028-2037:	1.3%	1.0%
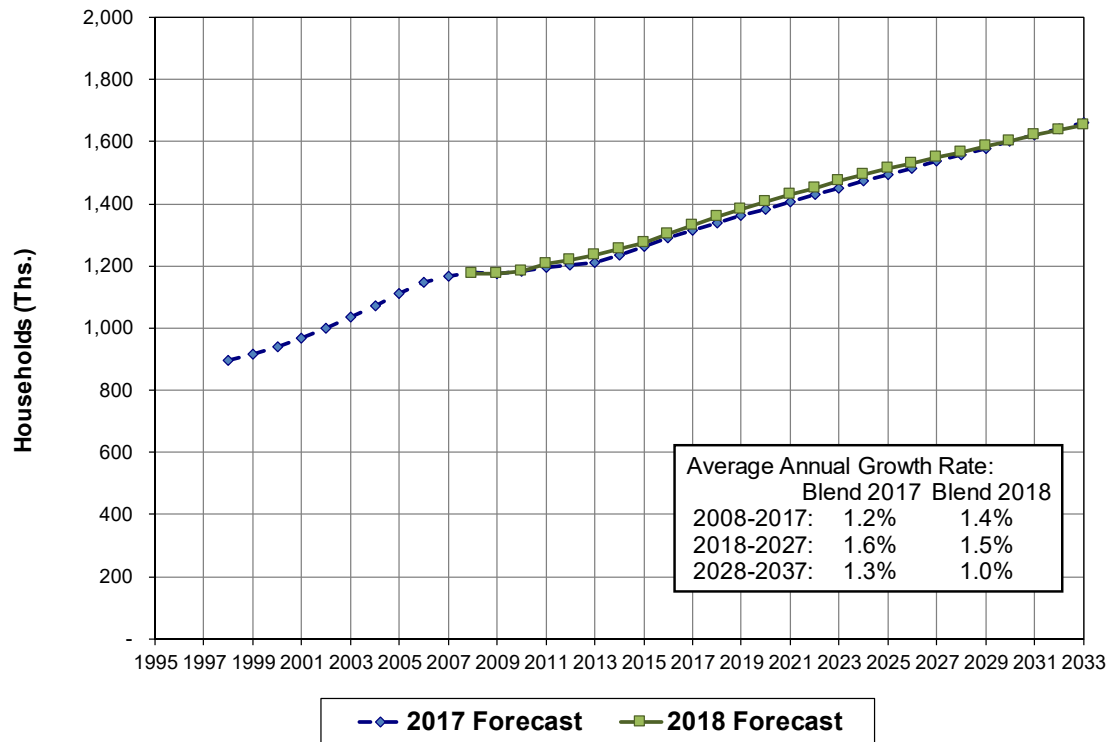
Figure 2-3: Household Counts Across the ARP Counties

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 very similar to that reflected in the 2017 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.
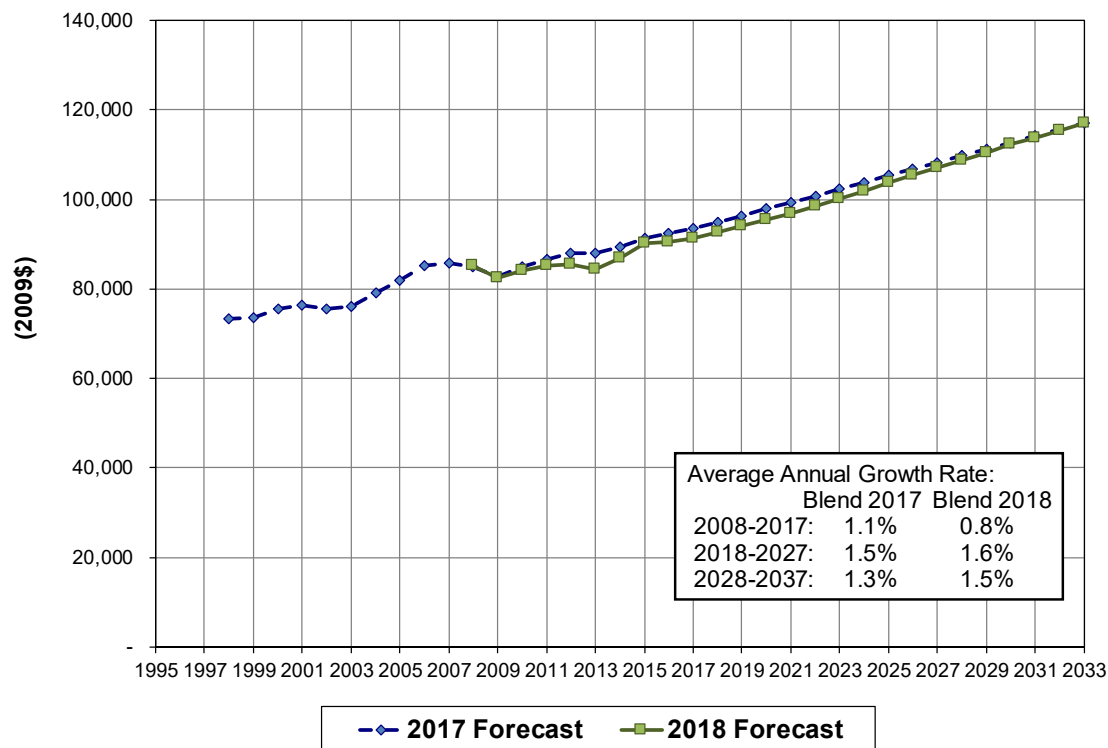
Figure 2-4: Real Average Personal Income per Household Across the ARP Counties

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 a short-term increase from the 2016 level of 3.5%, to the long term average of 5.7% which is the average over 1988-2017. Data on this variable specific to Florida are unavailable.
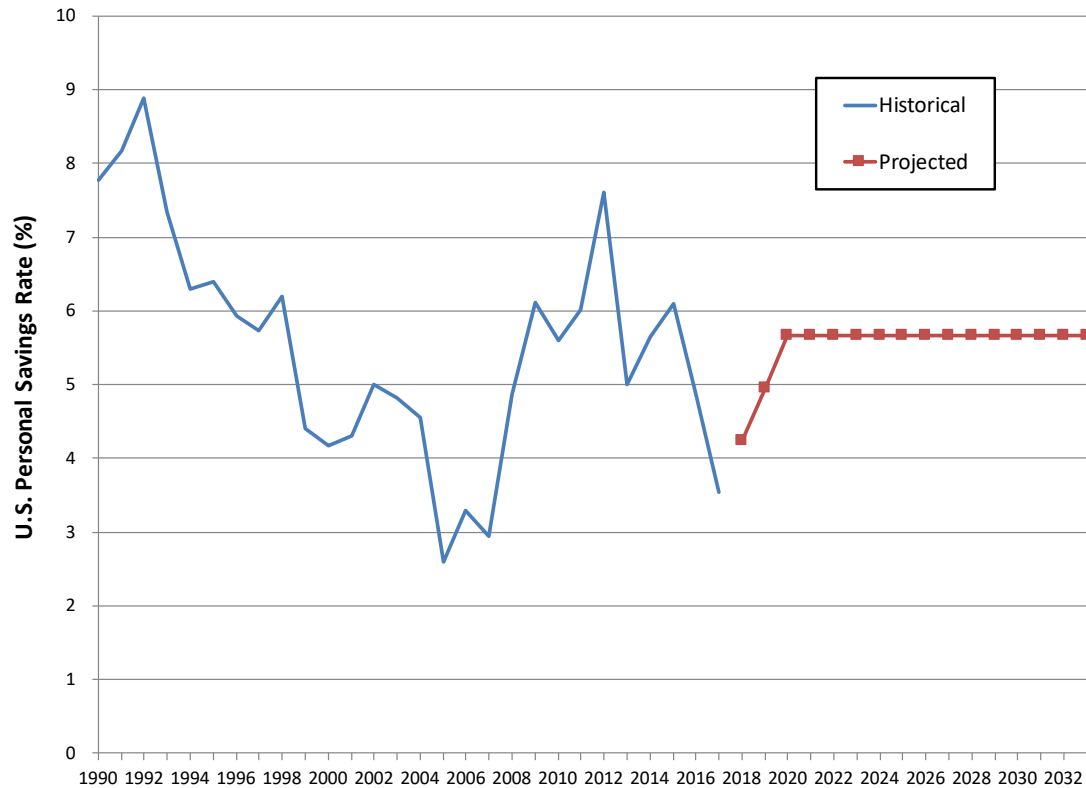
Figure 2-5: Historical and Assumed Future U. S. Personal Savings Rate

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.[10] 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.
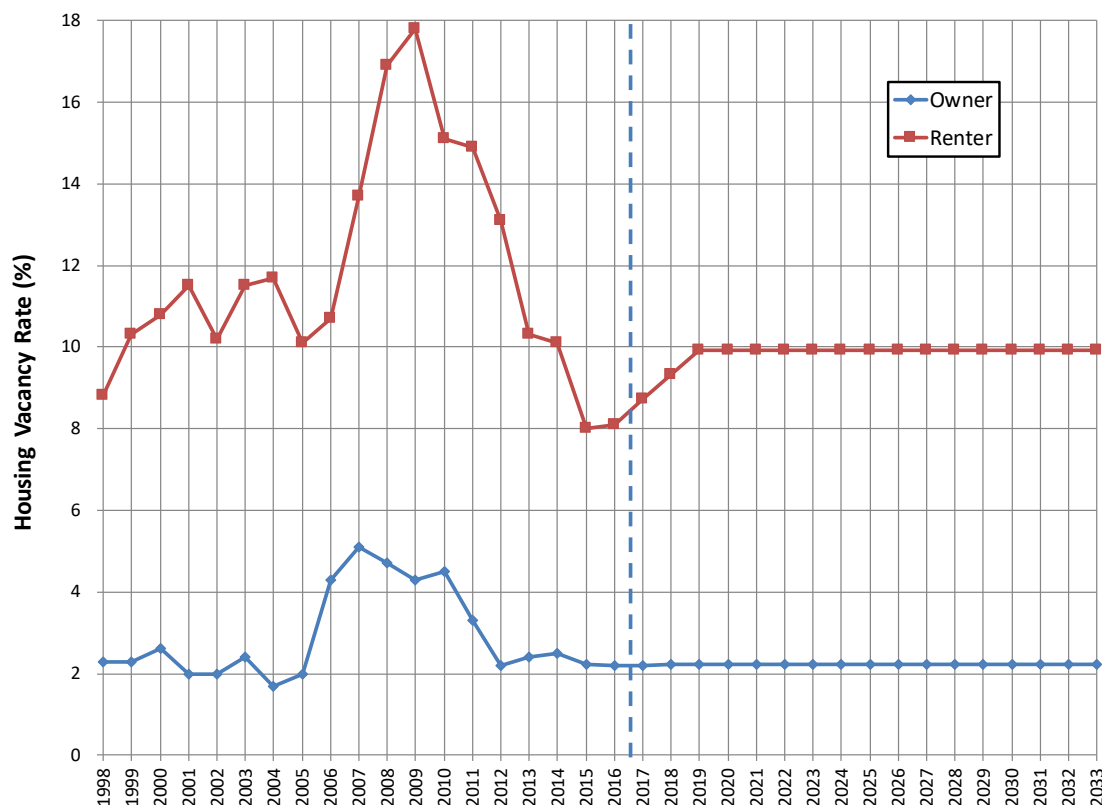
Figure 2-6: Historical and Assumed Future Florida Housing Vacancy Rates

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 electricity revenues, which would be correlated with weather-related influences. It is expected that consistent changes in electricity prices in a given direction over longer periods of time are more likely to yield significant and greater variations in load versus short-term price fluctuations. However, the strong negative correlation between

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[10] 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 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).[11] 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 0.6% per year over 2018 through 2037. Given an average price elasticity[12] 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 0.1% 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 (SEER) 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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[11] Projections were based on the 2018 Annual Energy Outlook.

[12] 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
Florida Energy Efficiency Standard for Split System Air Conditioners and 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.
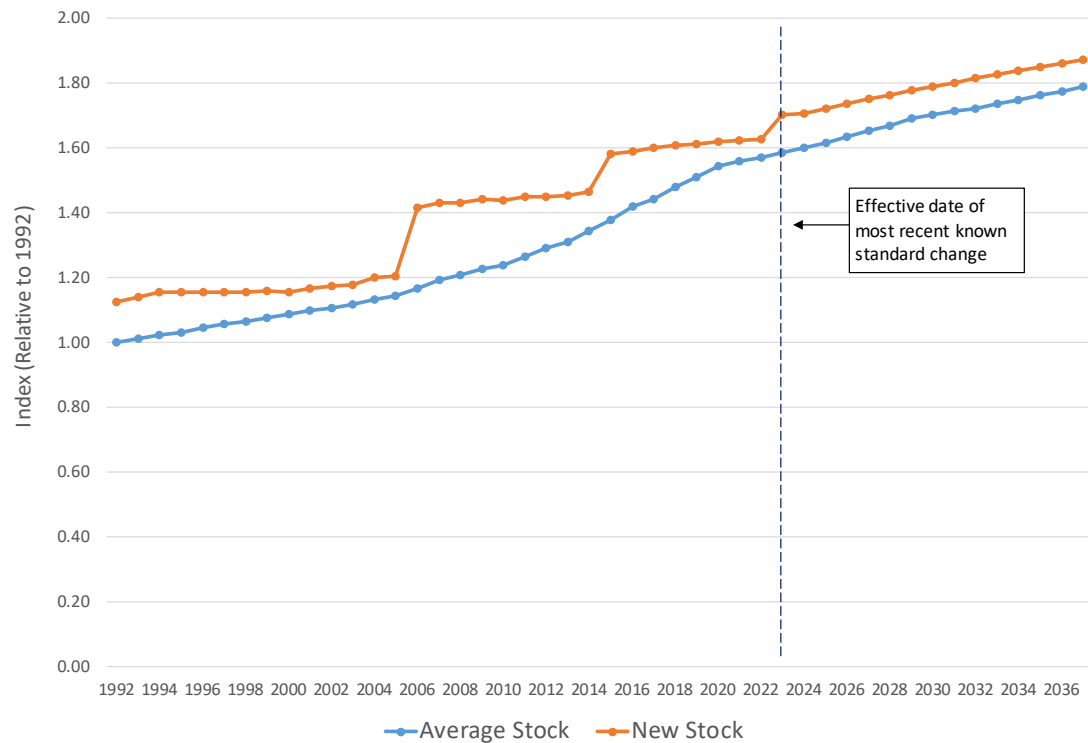
Figure 2-7: Historical and Projected Residential Energy Efficiency Index

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, particularly due to the apparent economic constraint on future increases in required 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

In preparing the 2018 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 2018 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 2018 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 2018 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 2017.

- 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 2018 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 <u>not</u> 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 (CROD) for Ft. Meade, effective January 1, 2015, was set at 10.36 MW. However, as a result of a supplemental power agreement, Ft. Meade and the ARP have agreed that Ft. Meade's CROD will be reduced to 9.009 MW and that the ARP will service Ft. Meade's load above CROD up to its full requirements by the end of fiscal year 2018. The 2018 Forecast assumes the ARP will serve Ft. Meade's full requirements in all periods over the forecast horizon.

- 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, planning level 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.

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 <u>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</u>. 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.[13]

- **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[14] is expected to grow at compound annual growth rates of 1.2% per year over fiscal years 2018-2027 and 0.9% over 2028-2037. This compares to historical compound annual growth over 2002-2017 of 0.3% per year and a compound annual *decline* over 2008-2017 of 0.2% per year. However, as discussed further below, the load of the Participants over 2008-2017 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. The load of the ARP Participants bottomed out in 2012, well after the official end of the recession in late 2009. Since 2012, the NEL of the Current Participants has grown by 0.5% per year.

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[13] 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 <u>for the Current Participants</u> shown herein include the *total* load of Green Cove Springs rather than the load that is expected to be served by the ARP.

[14] 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).

The 2018 Forecast reflects that the coincident peak demand of the Current Participants is expected to grow at compound annual growth rates of 1.2% per year over 2018-2027 and 0.9% over 2028-2037. This compares to historical compound annual growth over 2002-2017 of 0.6% per year and compound annual growth over 2008-2017 of just 0.2% per year. The Base Case projected fiscal year 2018 NEL and coincident peak of the Current Participants are 5,963 GWh and 1,256.7 MW, respectively.

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 recovering. The recent recession had significant negative effects on the housing market, construction and total employment, consumer spending, and visitation by tourists and other seasonal residents. Since 2012, these factors have all improved considerably, as shown in the table below.

Table 4-1
Recent Trends in Florida Economic Indicators

Economic Indicator	2008 Value	2012 Value	2017 Value
Home Price Index (2016$)	213,905	153,928	237,500
Gross State Product (2009$; $M)	764,086	726,372	836,056
Unemployment Rate	6.3%	8.5%	4.2%
Total Employment (Ths)	10,297	10,256	12,114
Construction Employment (Ths)	693	502	701
Tourist Visitation Counts (millions)	82.5	89.7	116.5

Sources: Florida Association of Realtors, Bureau of Economic Analysis, Bureau of Labor Statistics, Woods and Poole Economics, and Visit Florida

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.

This improvement in the economic conditions has been accompanied by a sustained recovery in the demand for electricity in the service areas of the ARP Participants. The economy is anticipated to continue growing at an above-normal pace over the early years of the forecast horizon, which should result in continued growth in the load served by the Participants. The forecasted growth rates in NEL and coincident peak demand for the ARP over 2018-2027 discussed above reflect the impact of this above-normal growth. The forecast results reflect that the fiscal year NEL <u>of the Current Participants</u> is expected to exceed the 2006 level in 2019.

Figure 4-1 depicts the historical, weather-normalized historical, and forecasted fiscal year NEL of the Current Participants. Weather during fiscal year 2017 was slightly warmer than normal across much

of the Florida peninsula during the summer and significantly milder than normal during the winter as the peninsula experienced one of the mildest winters of the last 40-50 years. This reduced energy consumption during the peak winter months but increased consumption during other months for most Participants. The estimation of weather's impact on energy consumption during fiscal year 2017 reflects that NEL across the Current Participants would have been approximately 0.4% lower had weather been normal, although this estimate may under-represent the impact of the extremely mild peak winter months.
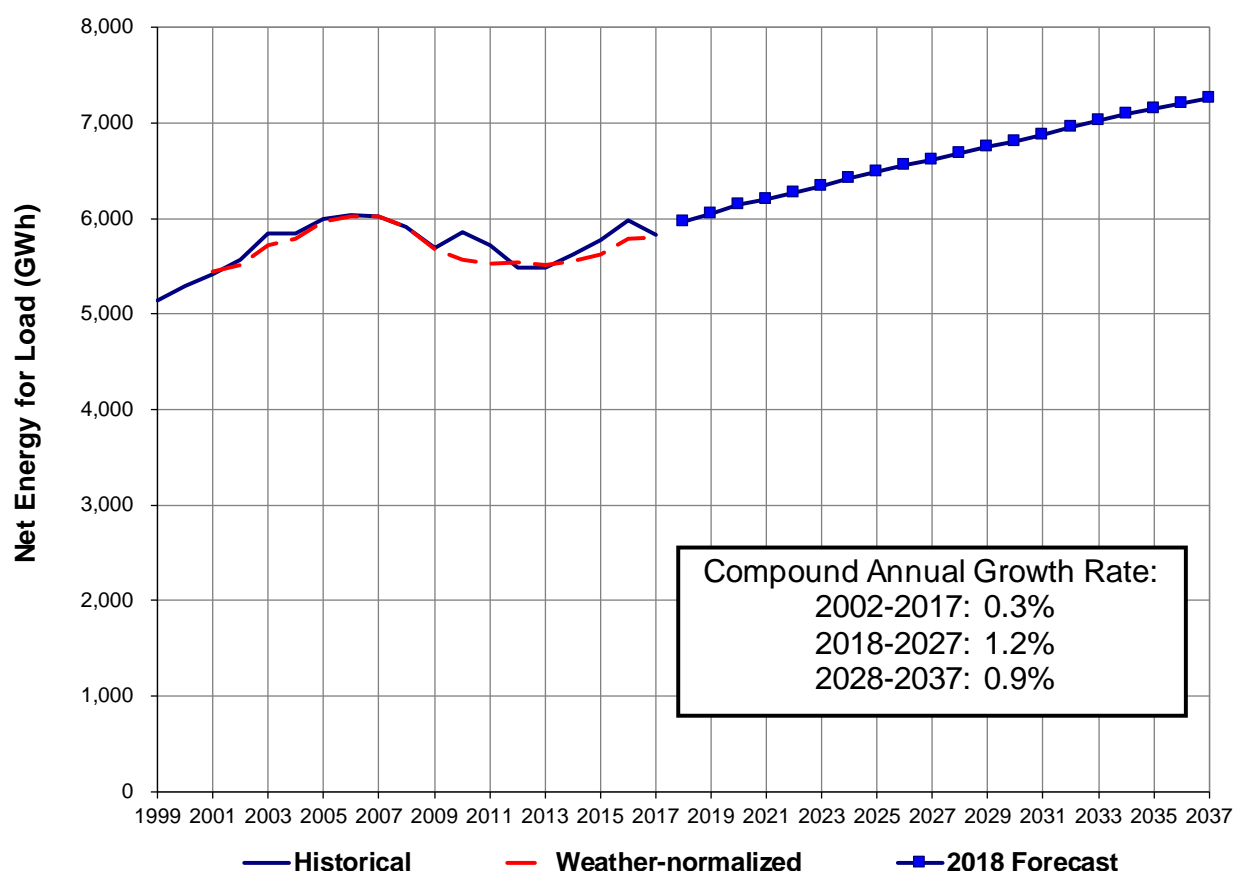
Figure 4-1: Fiscal Year Net Energy for Load of Current Participants

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.
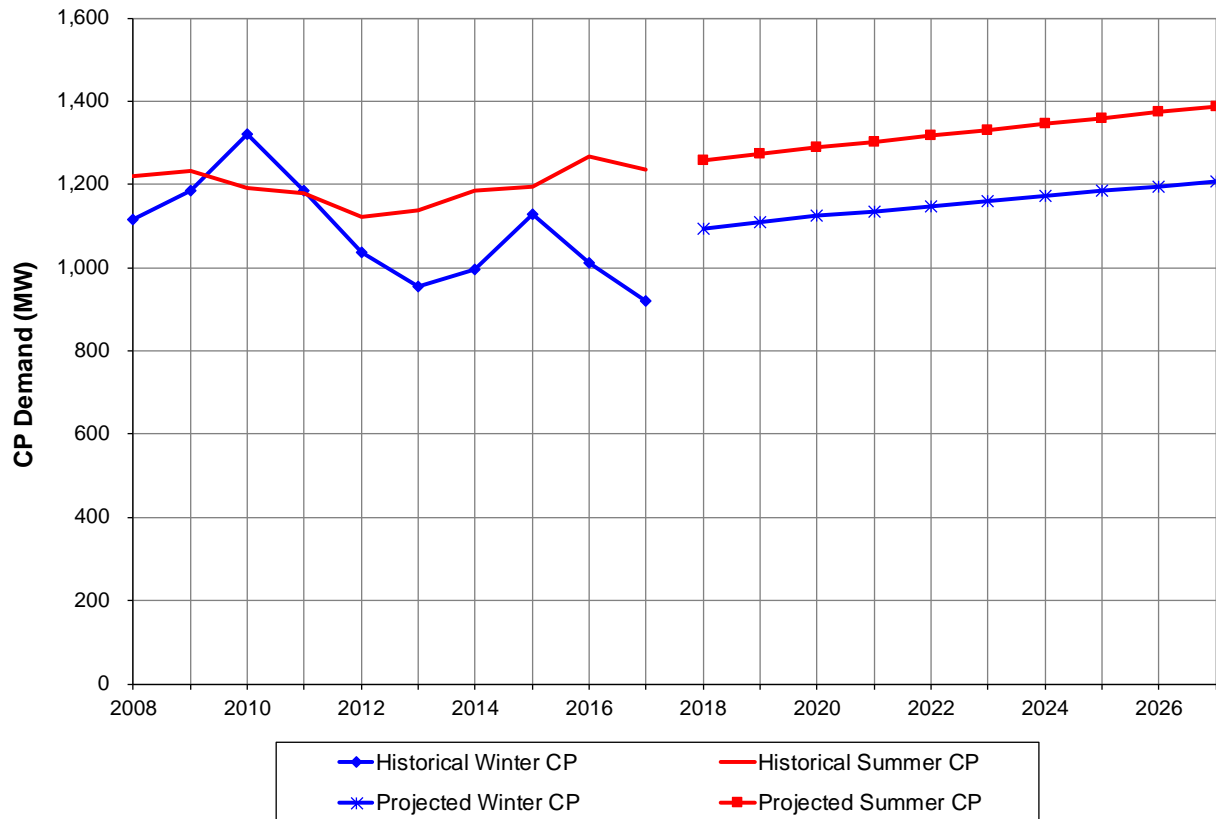
* Data shown represents the sum of Members regardless of the timing of billing/supply

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 establishment of CROD for Green Cove Springs beginning January 2020, with an estimated CROD value in the Base Case of 25.60 MW. Service under a CROD for Ft. Meade was effective January 2015 at a CROD originally established at 10.36 MW. However, as a result of a supplemental service agreement, the ARP will supply all of Ft. Meade's requirements, with the CROD level reduced to 9.009 MW effective by the end of fiscal year 2018.

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 from the ARP, effective October 2035.
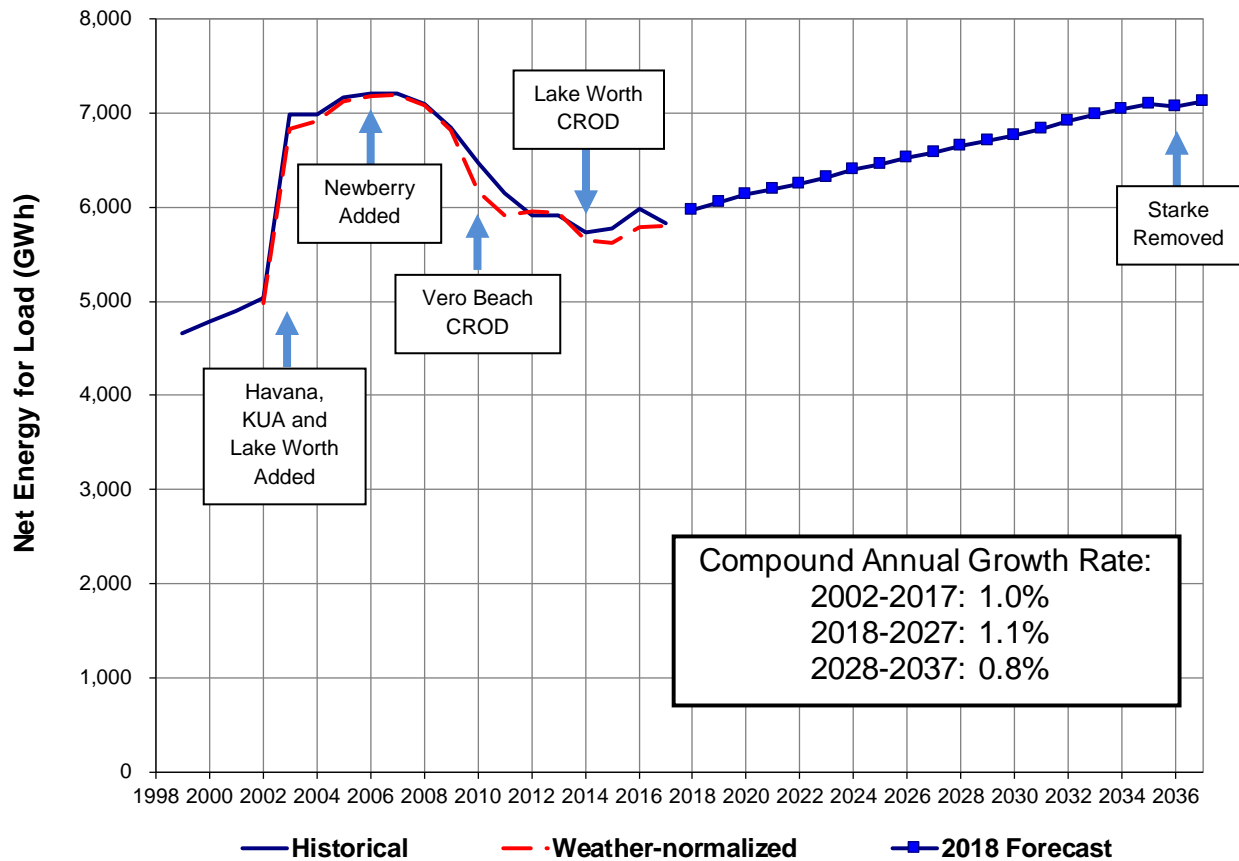
Figure 4-3: Fiscal Year Net Energy for Load Supplied from the ARP
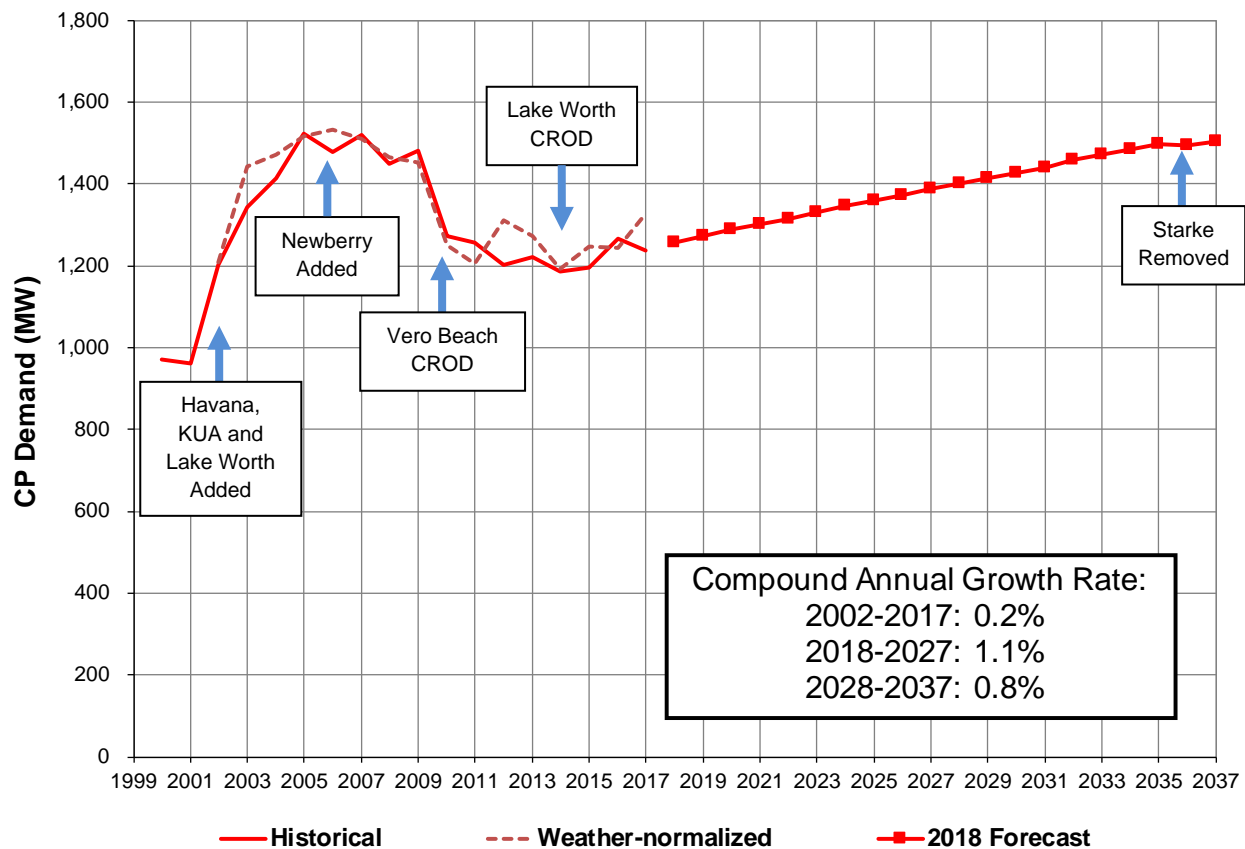
Figure 4-4: Summer Peak Demand Supplied from the ARP

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

Figure 4-5 below depicts the historical and projected summer and winter peak demand to be supplied from the ARP. In this figure, winter is defined as November of the preceding year through March of the current year, with January being the typical winter peak month. Note that the 2017 winter peak (i.e., 2016/17 winter) occurred in March during mildly warm conditions across most of the Florida peninsula, with the estimated impact of weather reducing the peak by approximately 6% from the level it would have been had winter peak day weather been normal in the month of January.
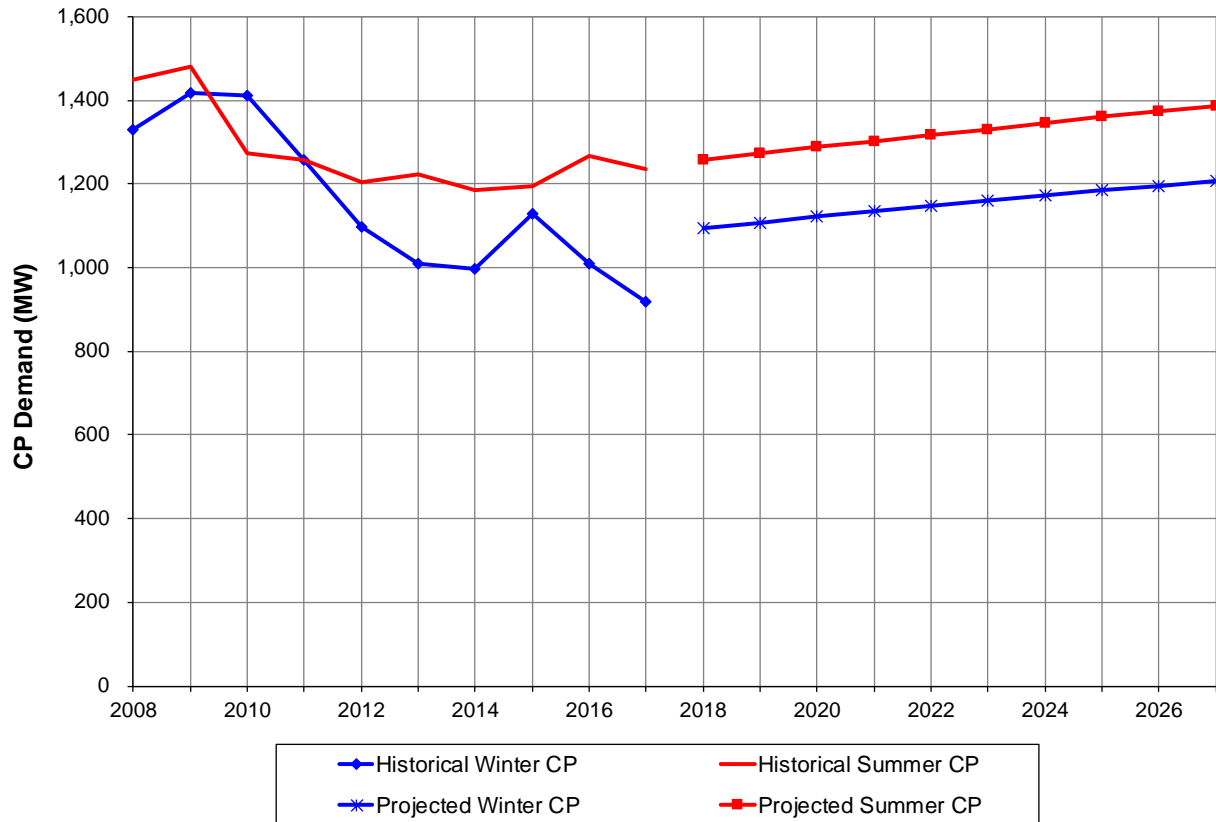
* Data shown represents the sum of Members as of the time they are Supplied

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

The results of the Forecast, <u>irrespective of when Participants are added to, leave the ARP, or otherwise establish service under a CROD</u>, are summarized in Table 4-2 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 4-2
Forecasted Loads to be Supplied from the ARP

Participant	Annual Coincident Peak Demand (MW) [1]					Annual Net Energy for Load (FY; GWh)				
	2018	2022	2027	2032	2037	2018	2022	2027	2032	2037
Bushnell	5.5	10.6	11.1	11.6	12.1	25	48	51	53	55
Clewiston	21.0	21.3	21.7	22.0	22.3	104	106	108	109	111
Ft Meade [2]	8.6	8.8	9.1	9.4	9.7	41	42	44	45	46
Ft Pierce	110.6	112.6	115.0	117.0	118.6	581	592	605	615	624
Green Cove Springs [2]	23.7	22.9	22.9	22.9	22.9	113	105	106	106	106
Havana	4.7	4.7	4.9	4.9	5.0	25	26	26	27	27
Jacksonville Beach	160.6	166.3	172.7	178.7	184.7	747	774	804	832	860
Key West	132.9	137.6	139.9	141.7	143.3	740	775	788	799	807
Kissimmee	363.0	383.4	418.6	451.8	481.9	1,642	1,737	1,898	2,050	2,186
Leesburg	109.7	115.0	120.8	126.2	130.4	510	538	565	591	610
Newberry	8.8	9.4	10.1	10.7	11.3	38	41	44	47	50
Ocala	292.2	307.6	324.2	345.1	361.7	1,323	1,394	1,470	1,561	1,641
Starke	15.4	15.8	16.3	16.8	0.0	72	74	77	79	0
Total ARP [3]	1,256.7	1,316.0	1,387.3	1,458.9	1,503.8	5,963	6,253	6,585	6,913	7,124

[1] Annual peak demand is the summer peak coincident with the All-Requirements Project.
[2] The forecast reflects that Ft. Meade and Green Cove Springs are served under CROD arrangements effective January 2015 and January 2020, respectively.
[3] Totals may not equal the sum of the Participant values due to rounding.

The 2018 Forecast results are strongly influenced by the return of strong population growth to the Florida peninsula and the rebound in growth in residential customer counts and economic activity that this growth in population entails. Importantly, residential average use is projected to be relatively flat over the forecast horizon and is not a growth driver.   Figure 4-6 below depicts the comparative growth rates in residential customer counts over 2018-2038 across the ARP Participant ordered in descending compound average growth rate (CAGR) order, with the line across the chart representing the ARP average growth rate. Bushnell reflects the highest growth rate by far due to the assumed acquisition of additional service area and customers of a bordering utility. Kissimmee reflects the next highest growth, which significantly affects the overall ARP, as it is the largest ARP member and has by far the largest base of residential customers.
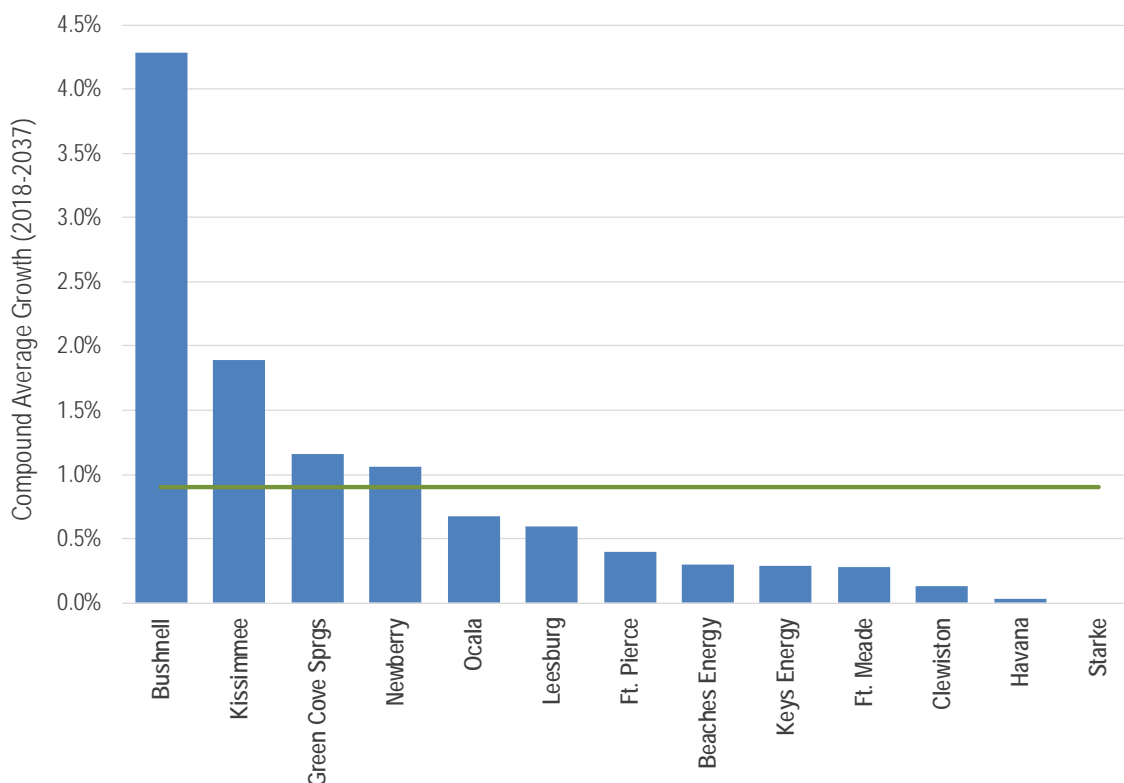
Figure 4-6: Compound Average Growth in Residential Customers over the Forecast Horizon

COMPARISON TO ACTUAL RESULTS AND THE 2017 LOAD FORECAST

A similar forecast was completed in early 2017 (2017 Forecast). Net energy for load of the Current Participants for fiscal year 2017, as projected in the 2017 Forecast, was 1.1% higher than the actual value and 1.5% higher than the weather-normalized value, although the impact of the extremely mild winter 2016/17 is probably understated somewhat, in addition to the widespread outages caused by Hurricane Irma. The forecasted 2017 summer coincident peak from the 2017 Forecast was approximately 0.3% lower than the actual 2017 summer coincident peak. However, the summer peak day exhibited slightly milder than normal weather conditions, and it is estimated that, had more typical summer peak day weather conditions occurred, the summer 2017 peak would have been 7.3% higher. We believe that this weather-normalized value is inflated somewhat as a result of other conditions in effect during the peak or weather conditions across the members that are not represented in this estimation process.

Figures 4-7 and 4-8 compare the forecasted fiscal year net energy for load and peak demand, respectively, supplied by the ARP, from the current 2018 Load Forecast and the 2017 Forecast. Differences in forecasted NEL for the 2018 Forecast versus 2017 Forecast range from 0.1% higher in FY2018 to 1.3% higher in FY2036, and differences in annual peak demand range from 0.5% higher in FY2018 to 1.5% higher in FY2036. These higher load levels are driven primarily from an assumed service area acquisition (with existing load) by Bushnell and slightly higher projected growth in

average income across the ARP Participants. However, these figures reflect that the current Forecast is very similar to the 2017 Forecast.
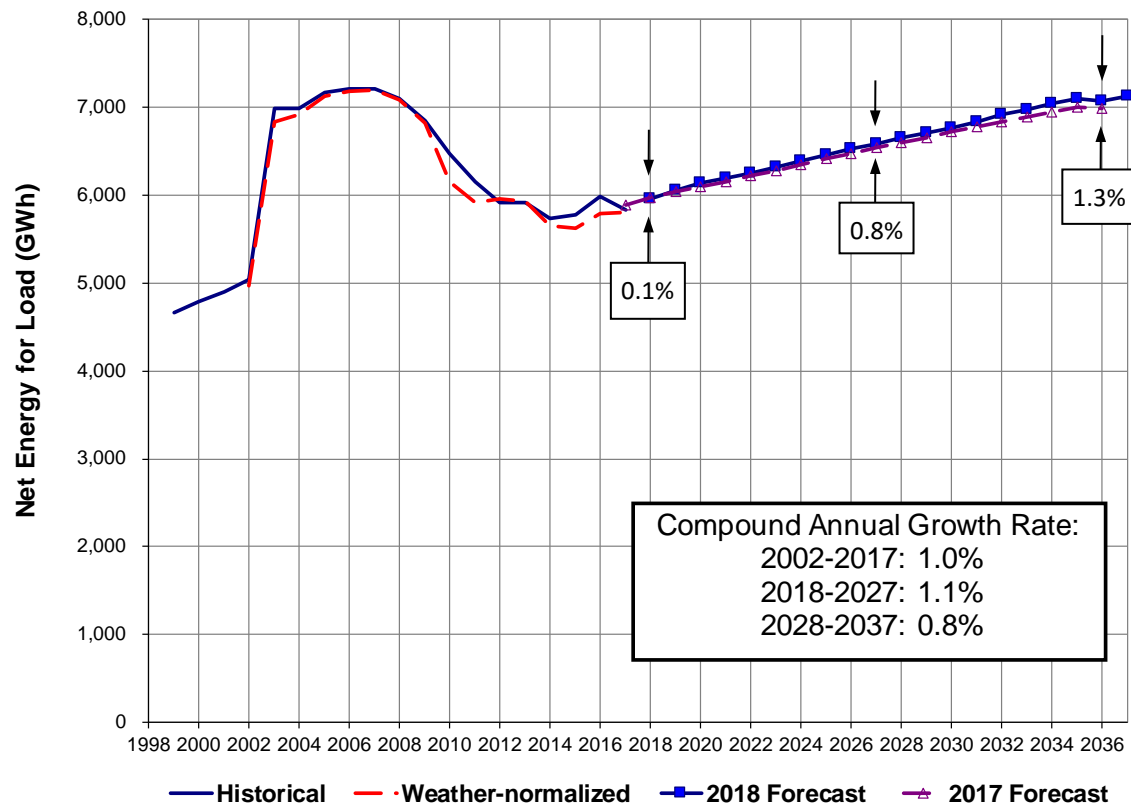
Figure 4-7: Annual Net Energy for Load Supplied by the ARP
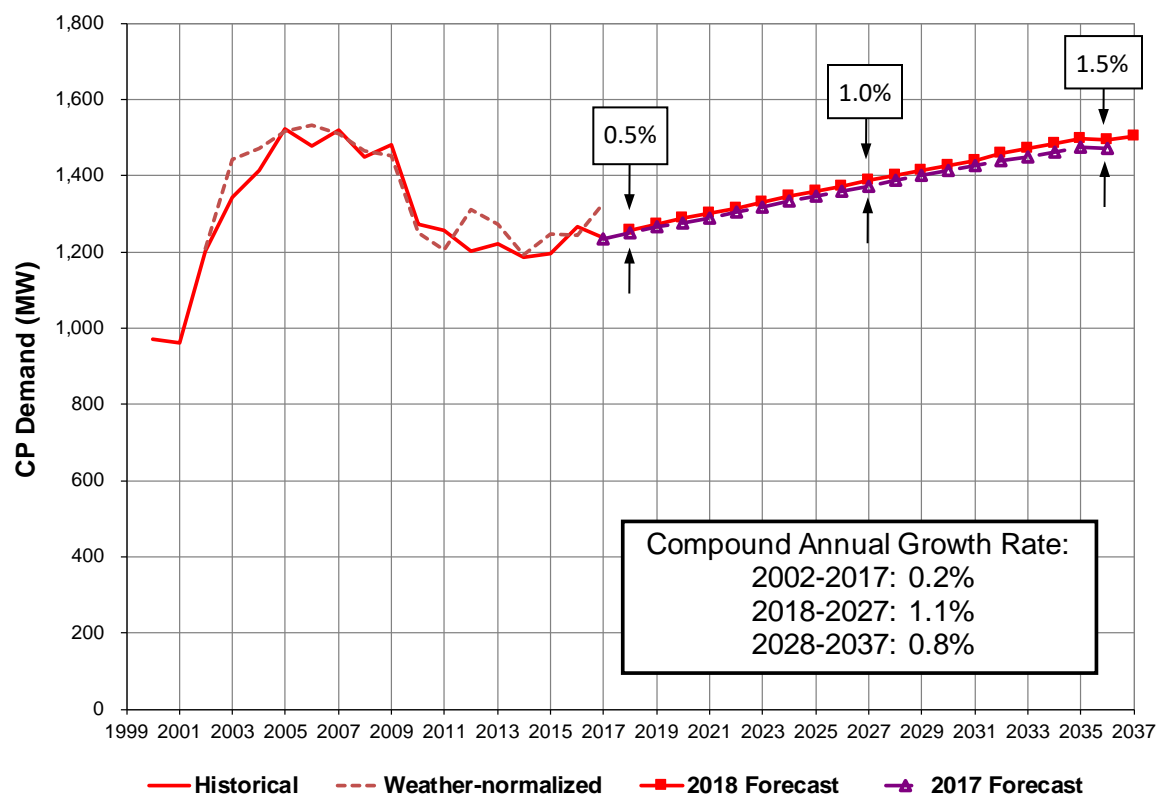
Figure 4-8: Annual Peak Demand Supplied by the ARP

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 Woods & Poole and BEBR, 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 BEBR 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 2016 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 4-3 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 4-3
Economic Scenarios – Assumed Variance from Base Case (+/-)

	Population	Employment	Income	Income Per Capita
2018	2.2%	4.3%	5.0%	3.6%
2019	3.4%	6.3%	7.3%	5.2%
2020	4.3%	7.8%	9.0%	6.3%
2021	5.2%	9.2%	10.5%	7.3%
2022	6.0%	10.4%	11.9%	8.2%
2023	6.8%	11.5%	13.1%	8.9%
2024	7.5%	12.5%	14.2%	9.7%
2025	8.1%	13.4%	15.2%	10.3%
2026	8.8%	14.3%	16.2%	10.9%
2027	9.4%	15.2%	17.1%	11.5%
2028	9.9%	16.0%	18.0%	12.0%
2029	10.5%	16.8%	18.9%	12.6%
2030	11.1%	17.5%	19.7%	13.1%
2031	11.6%	18.2%	20.5%	13.5%
2032	12.1%	18.9%	21.3%	14.0%
2033	12.6%	19.6%	22.0%	14.4%
2034	13.1%	20.3%	22.7%	14.9%
2035	13.6%	20.9%	23.5%	15.3%
2036	14.1%	21.6%	24.1%	15.7%
2037	14.6%	22.2%	24.8%	16.1%

Figure 4-9 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 2018 to 2027 and from 0.5% to 1.2% over 2028 to 2037. 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 attenuated in the forecast models by the assumptions surrounding limits to growth for certain Participants, including Fort Pierce, Jacksonville Beach, and Key West.
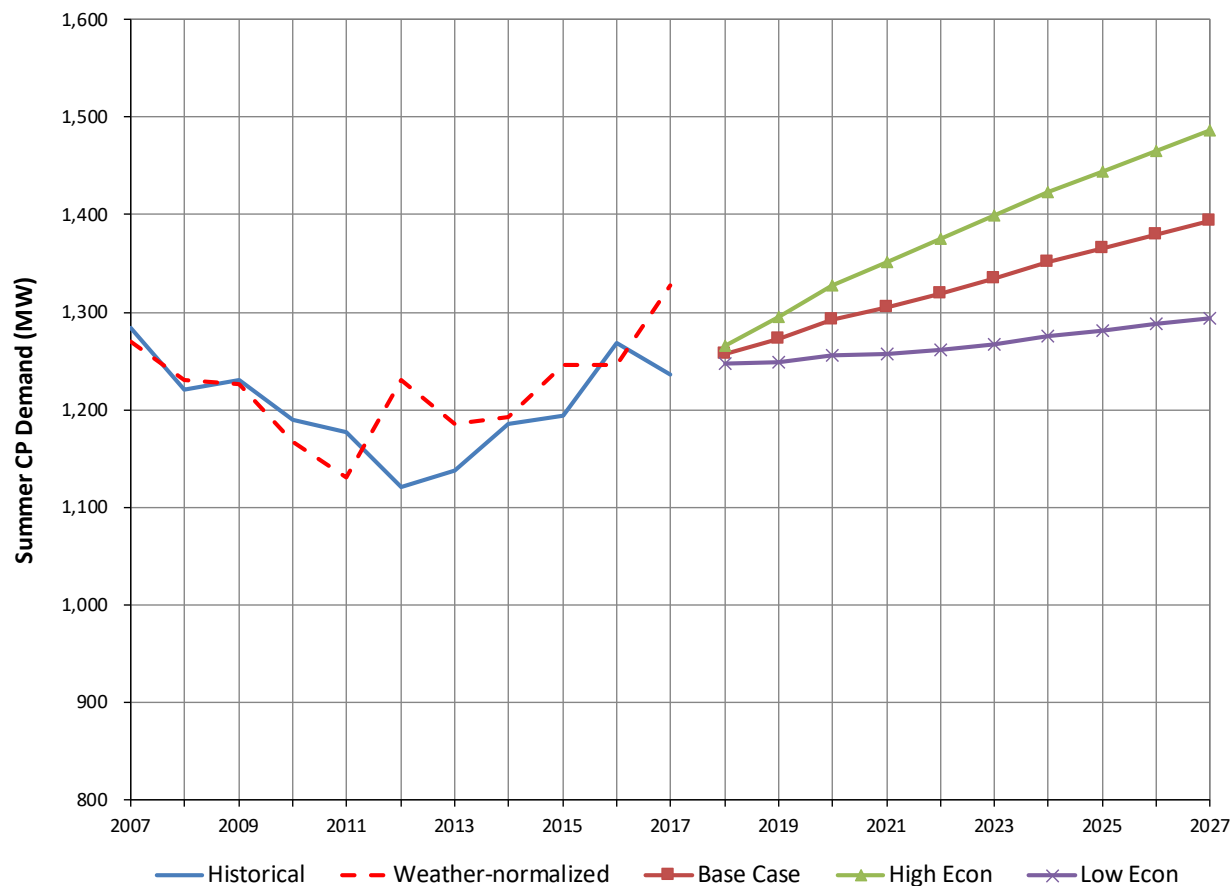
Figure 4-9: Economic-related Uncertainty in Summer CP Demand – Current Participants

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 continuously monitors these error statistics

published by Woods and Poole and updates the assumptions for use in the Load Forecast, as appropriate.

The ranges of forecasts shown in Appendices E and F imply that the load projections of the individual Participants exhibit different levels of sensitivity to variation in the driving variables. This is due to differences in: (i) the responsiveness of the energy requirements of the Participants to changes in the input assumptions and (ii) the percentage of the total Participant sales that certain large customers comprise of various Participants' total loads. These large customers' energy sales were forecasted separately based on information provided by the Participants or FMPA staff, and such forecasts were assumed to be independent of changes in the local economy and, in some cases, weather. Although this assumption is somewhat simplified, it does illustrate that the energy requirements of some of the Participants are very dependent on a few large customers.

Weather Uncertainty

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

The potential weather variability was developed using weather data specific to each weather station generally over the period 1971-2017. While these weather volatility statistics are generally updated each year, they tend to be fairly stable given the lengthy historical data period (setting aside significant deviations from normal, such as winter 2016/17, which can have a noticeable impact).

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 downstream analyses to be prepared by FMPA staff. It should be recognized that for other purposes, annual NEL may be somewhat less volatile than the annual NEL variation shown in the appendices.

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

Figure 4-10 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.
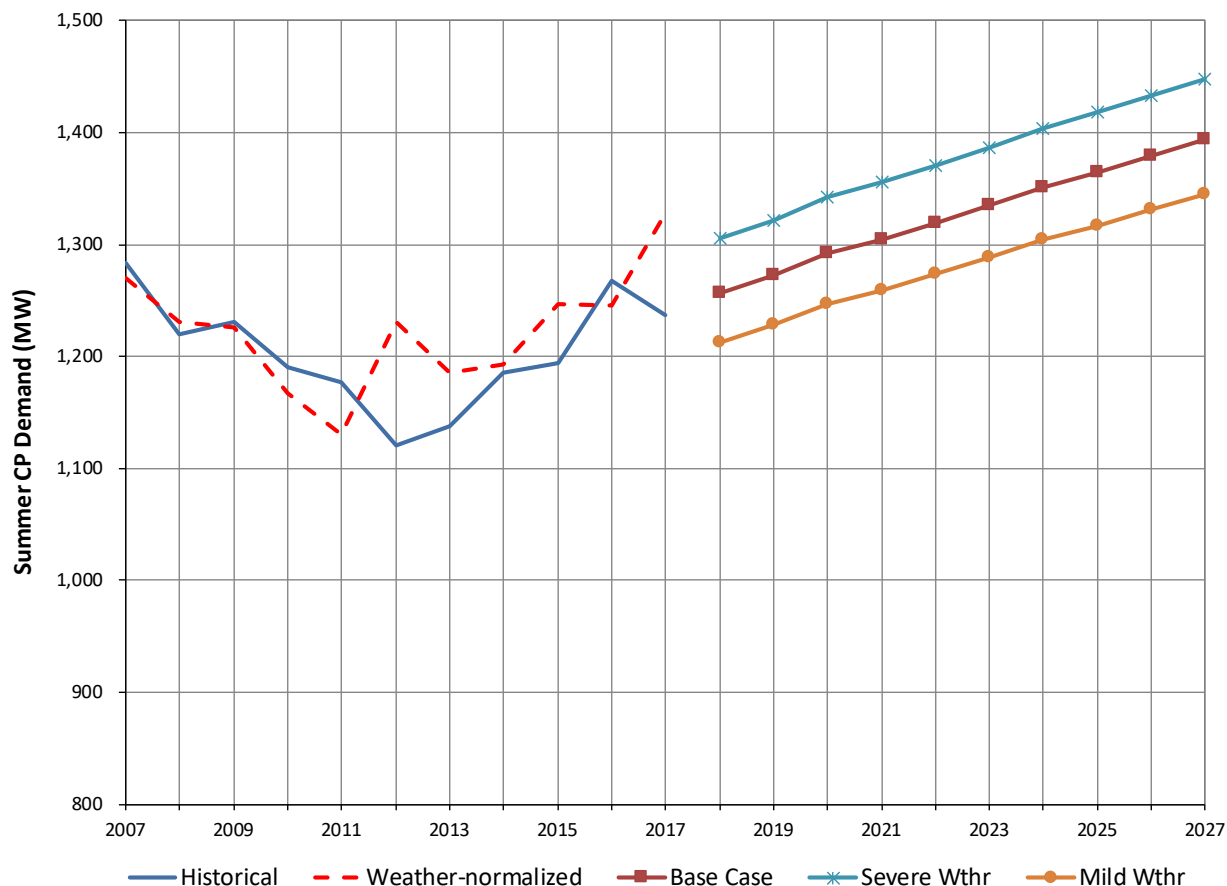
Figure 4-10: Weather-related Uncertainty in Summer CP Demand – Current Participants

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 8.4% and lower in the Mild Case by 7.0% 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.

It is important to recognize that no forecast will prove to be perfectly accurate once projected periods become history. The 2018 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 2018 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 continually review factors that may be impacting energy consumption across the ARP Participants, whether and how those factors are represented in the ARP load forecast, and if any improvements in this representation is warranted. In addition, FMPA periodically prepares alternative projections reflecting variations in the representation of these factors as load forecast scenarios to aid in its long-term planning process.

FMPA 2018 Load Forecast - Base Case
Total Agency - Supplied
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 [1,2]									
							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	2008	7,091,611	-	7,079,364	-	-0.2%	1,330.2	-	1,346.4	-	1.2%	1,450.1	-	1,464.1		1.0%
	2009	6,847,285	-3.4%	6,819,959	-3.7%	-0.4%	1,418.5	6.6%	1,328.0	-1.4%	-6.4%	1,481.7	2.2%	1,453.9	-0.7%	-1.9%
	2010	6,469,062	-5.5%	6,158,489	-9.7%	-4.8%	1,412.0	-0.5%	1,220.2	-8.1%	-13.6%	1,272.1	-14.1%	1,251.4	-13.9%	-1.6%
	2011	6,147,277	-5.0%	5,917,296	-3.9%	-3.7%	1,258.3	-10.9%	1,245.4	2.1%	-1.0%	1,258.2	-1.1%	1,206.9	-3.6%	-4.1%
	2012	5,914,360	-3.8%	5,954,712	0.6%	0.7%	1,096.7	-12.8%	1,108.0	-11.0%	1.0%	1,203.3	-4.4%	1,312.3	8.7%	9.1%
	2013	5,914,988	0.0%	5,935,282	-0.3%	0.3%	1,009.9	-7.9%	1,033.6	-6.7%	2.3%	1,222.0	1.6%	1,271.6	-3.1%	4.1%
	2014	5,733,592	-3.1%	5,654,586	-4.7%	-1.4%	996.9	-1.3%	1,129.0	9.2%	13.2%	1,185.1	-3.0%	1,192.4	-6.2%	0.6%
	2015	5,777,052	0.8%	5,618,961	-0.6%	-2.7%	1,128.5	13.2%	1,050.6	-6.9%	-6.9%	1,194.4	0.8%	1,246.3	4.5%	4.4%
	2016	5,981,790	3.5%	5,783,323	2.9%	-3.3%	1,009.9	-10.5%	1,095.0	4.2%	8.4%	1,267.7	6.1%	1,245.4	-0.1%	-1.8%
	2017	5,827,865	-2.6%	5,805,277	0.4%	-0.4%	919.8	-8.9%	974.3	-11.0%	5.9%	1,236.7	-2.4%	1,327.2	6.6%	7.3%
Projected	2018	5,962,881	2.3%	5,962,881	2.7%		1,094.1	19.0%	1,094.1	12.3%		1,256.7	1.6%	1,256.7	-5.3%	
	2019			6,053,592	1.5%				1,107.9	1.3%				1,272.1	1.2%	
	2020			6,132,561	1.3%				1,123.8	1.4%				1,289.2	1.3%	
	2021			6,188,135	0.9%				1,134.5	1.0%				1,301.8	1.0%	
	2022			6,252,920	1.0%				1,146.6	1.1%				1,316.0	1.1%	
	2023			6,320,980	1.1%				1,159.0	1.1%				1,330.7	1.1%	
	2024			6,394,270	1.2%				1,172.4	1.2%				1,346.5	1.2%	
	2025			6,456,556	1.0%				1,183.8	1.0%				1,359.8	1.0%	
	2026			6,522,045	1.0%				1,195.8	1.0%				1,373.9	1.0%	
	2027			6,584,895	1.0%				1,207.2	1.0%				1,387.3	1.0%	
	2028			6,651,166	1.0%				1,219.3	1.0%				1,401.6	1.0%	
	2029			6,707,244	0.8%				1,229.6	0.8%				1,413.7	0.9%	
	2030			6,767,815	0.9%				1,240.7	0.9%				1,426.7	0.9%	
	2031			6,832,557	1.0%				1,253.4	1.0%				1,441.4	1.0%	
	2032			6,912,861	1.2%				1,268.6	1.2%				1,458.9	1.2%	
	2033			6,979,105	1.0%				1,280.7	1.0%				1,472.7	0.9%	
	2034			7,039,913	0.9%				1,291.6	0.9%				1,485.4	0.9%	
	2035			7,094,979	0.8%				1,301.7	0.8%				1,497.3	0.8%	
	2036			7,073,980	-0.3%				1,296.0	-0.4%				1,493.0	-0.3%	
	2037			7,123,534	0.7%				1,305.1	0.7%				1,503.8	0.7%	
CAGR [3]	2008-2017		-2.2%		-2.2%			-4.0%		-3.5%			-1.8%		-1.1%	
	2018-2027				1.1%					1.1%					1.1%	
	2028-2037				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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 25.60 MW beginning Jan-20

FMPA 2018 Load Forecast - Base Case
Total Agency - Supplied
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	Net Energy for Load (FY) Current (MWh)	Current Yearly % Change	Previous (MWh)	Previous Yearly % Change	NCP Demand Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)	CP w/ARP Seasonal CP Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)
Historical	2008	7,091,611	-	7,091,611	-	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%	5,981,790	3.5%	1,061.1	1,291.2	1,061.1	1,291.2	1,009.9	1,267.7	1,006.1	1,267.7
	2017	5,827,865	-2.6%	5,891,243	-1.5%	981.0	1,267.4	1,147.6	1,261.0	919.8	1,236.7	1,078.8	1,233.3
Projected	2018	5,962,881	2.3%	5,965,748	1.3%	1,154.7	1,285.5	1,163.4	1,278.5	1,094.1	1,256.7	1,093.8	1,250.4
	2019	6,053,592	1.5%	6,036,661	1.2%	1,169.2	1,301.3	1,176.8	1,293.2	1,107.9	1,272.1	1,106.9	1,265.0
	2020	6,132,561	1.3%	6,094,297	1.0%	1,185.0	1,319.1	1,188.6	1,306.2	1,123.8	1,289.2	1,118.3	1,277.7
	2021	6,188,135	0.9%	6,149,811	0.9%	1,196.2	1,331.9	1,200.3	1,319.3	1,134.5	1,301.8	1,129.6	1,290.6
	2022	6,252,920	1.0%	6,216,229	1.1%	1,208.6	1,346.4	1,213.4	1,333.5	1,146.6	1,316.0	1,142.2	1,304.7
	2023	6,320,980	1.1%	6,281,057	1.0%	1,221.5	1,361.3	1,225.7	1,347.9	1,159.0	1,330.7	1,154.0	1,318.9
	2024	6,394,270	1.2%	6,349,557	1.1%	1,235.3	1,377.4	1,239.3	1,362.9	1,172.4	1,346.5	1,167.1	1,333.7
	2025	6,456,556	1.0%	6,410,008	1.0%	1,247.1	1,390.9	1,251.2	1,376.0	1,183.8	1,359.8	1,178.5	1,346.6
	2026	6,522,045	1.0%	6,472,316	1.0%	1,259.4	1,405.2	1,263.1	1,389.8	1,195.8	1,373.9	1,190.0	1,360.3
	2027	6,584,895	1.0%	6,535,454	1.0%	1,271.2	1,418.9	1,275.4	1,403.7	1,207.2	1,387.3	1,201.9	1,374.0
	2028	6,651,166	1.0%	6,603,738	1.0%	1,283.7	1,433.4	1,288.7	1,418.7	1,219.3	1,401.6	1,214.7	1,388.8
	2029	6,707,244	0.8%	6,659,458	0.8%	1,294.3	1,445.7	1,299.5	1,430.8	1,229.6	1,413.7	1,225.1	1,400.8
	2030	6,767,815	0.9%	6,718,366	0.9%	1,305.8	1,458.9	1,311.1	1,443.7	1,240.7	1,426.7	1,236.3	1,413.6
	2031	6,832,557	1.0%	6,776,912	0.9%	1,318.9	1,473.9	1,322.5	1,456.6	1,253.4	1,441.4	1,247.4	1,426.3
	2032	6,912,861	1.2%	6,839,613	0.9%	1,334.4	1,491.6	1,334.8	1,470.4	1,268.6	1,458.9	1,259.2	1,439.9
	2033	6,979,105	1.0%	6,891,119	0.8%	1,346.7	1,505.6	1,344.9	1,481.7	1,280.7	1,472.7	1,269.0	1,451.1
	2034	7,039,913	0.9%	6,946,789	0.8%	1,358.0	1,518.5	1,355.9	1,494.0	1,291.6	1,485.4	1,279.6	1,463.3
	2035	7,094,979	0.8%	7,002,948	0.8%	1,368.4	1,530.6	1,367.0	1,506.4	1,301.7	1,497.3	1,290.4	1,475.6
	2036	7,073,980	-0.3%	6,982,301	-0.3%	1,362.5	1,526.2	1,361.8	1,502.2	1,296.0	1,493.0	1,285.2	1,471.6
	2037	7,123,534	0.7%			1,371.9	1,537.2			1,305.1	1,503.8		
CAGR [1]	Historical		-2.2%		-2.1%	-3.5%	-1.7%	-3.0%	-1.6%	-5.3%	-2.2%	-4.8%	-2.2%
	1st 10 Prj Yrs		1.1%		1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
	2nd 10 Prj Yrs		0.8%		0.7%	0.7%	0.8%	0.7%	0.8%	0.8%	0.8%	0.7%	0.8%

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

Cities Discontinuing Service from the ARP: Vero Beach (Dec-09), Lake Worth (Dec-13), Starke (Sep-35)

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	481,763	397,590	424,514	5,924,706	5,981,790
	2017	420,501	369,488	422,913	462,373	543,871	546,093	610,626	626,595	521,538	485,965	416,351	446,225	5,872,539	5,827,865
Projected	2018	460,104	404,088	430,366	447,729	516,342	566,989	612,307	625,262	551,154	499,224	426,188	454,774	5,994,526	5,962,881
	2019	468,742	411,217	435,798	453,942	522,913	573,340	619,087	631,891	556,476	506,284	432,254	461,009	6,072,953	6,053,592
	2020	474,979	420,417	440,827	459,015	528,612	579,885	626,413	639,601	563,264	510,416	435,465	464,423	6,143,317	6,132,561
	2021	479,754	420,470	445,269	463,598	533,961	585,909	633,046	646,459	569,364	515,515	439,779	469,105	6,202,230	6,188,135
	2022	484,705	424,792	449,858	468,371	539,623	592,198	639,907	653,507	575,562	521,097	444,485	474,139	6,268,243	6,252,920
	2023	489,939	429,354	454,685	473,362	545,516	598,701	646,987	660,770	581,944	526,777	449,273	479,264	6,336,572	6,320,980
	2024	495,294	438,477	459,588	478,416	551,481	605,264	654,111	668,040	588,286	532,441	454,004	484,282	6,409,682	6,394,270
	2025	500,502	438,535	464,336	483,292	557,218	611,567	660,948	675,029	594,402	537,927	458,617	489,209	6,471,583	6,456,556
	2026	505,634	442,982	469,005	488,091	562,869	617,773	667,673	681,885	600,382	543,265	463,076	493,942	6,536,575	6,522,045
	2027	510,551	447,243	473,475	492,681	568,272	623,707	674,108	688,454	606,122	548,404	467,382	498,531	6,598,930	6,584,895
Projected	2028	515,341	456,124	477,842	497,178	573,583	629,556	680,466	694,952	611,806	553,492	471,642	503,069	6,665,052	6,651,166
	2029	520,066	455,512	482,162	501,619	578,824	635,327	686,738	701,368	617,424	558,531	475,870	507,584	6,721,026	6,707,244
	2030	524,788	459,604	486,466	506,049	584,060	641,092	693,003	707,763	623,007	563,521	480,037	512,010	6,781,397	6,767,815
	2031	529,503	463,791	490,967	510,790	589,749	647,469	700,038	715,132	629,552	569,516	485,296	517,258	6,849,578	6,832,557
	2032	535,415	473,915	496,403	516,399	596,281	654,624	707,746	723,057	636,432	575,683	490,581	523,429	6,929,965	6,912,861
	2033	541,154	473,912	501,563	521,644	602,335	661,225	714,803	730,206	642,570	581,076	495,048	528,173	6,993,709	6,979,105
	2034	546,092	478,111	505,908	526,053	607,484	666,875	720,875	736,348	647,871	585,763	498,932	532,260	7,052,571	7,039,913
	2035	550,357	481,813	509,800	530,061	612,226	672,097	726,555	742,159	652,956	583,911	496,880	529,985	7,088,800	7,094,979
	2036	548,025	485,049	507,800	528,210	610,058	669,700	723,975	739,796	650,591	588,424	500,658	534,012	7,086,298	7,073,980
	2037	552,245	483,543	511,683	532,208	614,801	674,937	729,685	745,638	655,699	584,558	496,811	529,612	7,111,421	7,123,534

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.4%	8.7%	9.9%	10.9%	10.4%	9.4%	8.1%	6.7%	7.2%	100.0%
	2017	7.2%	6.3%	7.2%	7.9%	9.3%	9.3%	10.4%	10.7%	8.9%	8.3%	7.1%	7.6%	100.0%
Projected	2018	7.7%	6.7%	7.2%	7.5%	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%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2020	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2021	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2022	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2023	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2024	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2025	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2026	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2027	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
Avg.	2008-2017	7.6%	6.7%	7.2%	7.6%	8.9%	9.6%	10.2%	10.3%	9.3%	8.2%	6.9%	7.4%	100.0%
	2018-2027	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	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 2018 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	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	1,067.3	864.6	884.5	1,061.1	1,291.2
	2017	981.0	845.4	971.0	1,111.6	1,194.5	1,201.3	1,251.4	1,267.4	1,203.9	1,079.4	912.2	893.8	981.0	1,267.4
Projected	2018	1,154.7	1,037.0	1,004.3	1,013.5	1,154.5	1,251.6	1,260.0	1,285.5	1,203.4	1,100.4	917.5	904.8	1,154.7	1,285.5
	2019	1,169.2	1,050.0	1,016.6	1,025.9	1,168.7	1,267.0	1,275.5	1,301.3	1,218.2	1,113.9	931.8	919.5	1,169.2	1,301.3
	2020	1,185.0	1,064.7	1,029.9	1,039.7	1,184.4	1,284.1	1,292.5	1,319.1	1,234.9	1,128.9	939.0	926.3	1,185.0	1,319.1
	2021	1,196.2	1,074.8	1,040.0	1,049.7	1,195.9	1,296.6	1,305.1	1,331.9	1,246.9	1,139.9	949.3	935.9	1,196.2	1,331.9
	2022	1,208.6	1,086.0	1,051.3	1,061.1	1,208.9	1,310.6	1,319.2	1,346.4	1,260.4	1,152.2	959.6	946.0	1,208.6	1,346.4
	2023	1,221.5	1,097.6	1,063.1	1,072.8	1,222.2	1,325.1	1,333.8	1,361.3	1,274.4	1,165.0	970.7	956.7	1,221.5	1,361.3
	2024	1,235.3	1,110.0	1,075.8	1,085.4	1,236.6	1,340.6	1,349.4	1,377.4	1,289.4	1,178.7	979.9	965.7	1,235.3	1,377.4
	2025	1,247.1	1,120.6	1,086.4	1,096.0	1,248.7	1,353.8	1,362.7	1,390.9	1,302.0	1,190.3	989.7	975.3	1,247.1	1,390.9
	2026	1,259.4	1,131.6	1,097.7	1,107.1	1,261.5	1,367.6	1,376.6	1,405.2	1,315.4	1,202.4	999.0	984.4	1,259.4	1,405.2
	2027	1,271.2	1,142.2	1,108.4	1,117.8	1,273.7	1,380.8	1,389.9	1,418.9	1,328.2	1,214.1	1,009.0	994.1	1,271.2	1,418.9
Projected	2028	1,283.7	1,153.4	1,119.9	1,129.2	1,286.7	1,394.9	1,404.1	1,433.4	1,341.7	1,226.5	1,017.3	1,002.2	1,283.7	1,433.4
	2029	1,294.3	1,163.0	1,129.6	1,138.8	1,297.6	1,406.8	1,416.1	1,445.7	1,353.2	1,237.0	1,026.4	1,011.1	1,294.3	1,445.7
	2030	1,305.8	1,173.3	1,140.0	1,149.2	1,309.5	1,419.6	1,429.0	1,458.9	1,365.6	1,248.3	1,036.7	1,021.1	1,305.8	1,458.9
	2031	1,318.9	1,185.1	1,151.7	1,160.9	1,322.9	1,434.1	1,443.6	1,473.9	1,379.6	1,261.1	1,048.8	1,032.9	1,318.9	1,473.9
	2032	1,334.4	1,199.1	1,165.5	1,174.7	1,338.7	1,451.3	1,460.8	1,491.6	1,396.0	1,276.1	1,058.4	1,042.2	1,334.4	1,491.6
	2033	1,346.7	1,210.2	1,176.4	1,185.6	1,351.2	1,464.9	1,474.5	1,505.6	1,409.1	1,288.0	1,067.3	1,050.9	1,346.7	1,505.6
	2034	1,358.0	1,220.3	1,186.6	1,195.7	1,362.7	1,477.4	1,487.1	1,518.5	1,421.2	1,299.0	1,075.5	1,058.9	1,358.0	1,518.5
	2035	1,368.4	1,229.7	1,196.1	1,205.1	1,373.5	1,489.1	1,498.9	1,530.6	1,432.5	1,295.4	1,072.6	1,053.5	1,368.4	1,530.6
	2036	1,362.5	1,224.0	1,193.2	1,201.8	1,370.0	1,485.2	1,494.8	1,526.2	1,428.7	1,306.6	1,080.1	1,060.7	1,362.5	1,526.2
	2037	1,371.9	1,232.5	1,201.8	1,210.4	1,379.7	1,495.7	1,505.4	1,537.2	1,438.9	1,296.6	1,072.3	1,050.7	1,371.9	1,537.2

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.8%	66.7%	63.7%	52.4%
	2017	57.6%	65.0%	58.5%	55.9%	67.8%	61.1%	67.8%	66.5%	60.2%	60.5%	61.3%	69.3%	68.3%	52.9%
Projected	2018	53.6%	58.0%	57.6%	59.4%	66.6%	60.9%	67.5%	65.4%	63.6%	61.0%	62.4%	69.8%	59.3%	53.2%
	2019	53.9%	58.3%	57.6%	59.5%	66.6%	60.8%	67.4%	65.3%	63.4%	61.1%	62.4%	69.6%	59.3%	53.3%
	2020	53.9%	56.7%	57.5%	59.3%	66.4%	60.7%	67.3%	65.2%	63.4%	60.8%	62.3%	69.6%	59.2%	53.2%
	2021	53.9%	58.2%	57.5%	59.4%	66.4%	60.7%	67.4%	65.2%	63.4%	60.8%	62.3%	69.6%	59.2%	53.2%
	2022	53.9%	58.2%	57.5%	59.3%	66.4%	60.7%	67.4%	65.2%	63.4%	60.8%	62.3%	69.6%	59.2%	53.1%
	2023	53.9%	58.2%	57.5%	59.3%	66.4%	60.7%	67.4%	65.2%	63.4%	60.8%	62.2%	69.6%	59.2%	53.1%
	2024	53.9%	56.8%	57.4%	59.2%	66.4%	60.7%	67.3%	65.2%	63.4%	60.7%	62.3%	69.6%	59.2%	53.1%
	2025	53.9%	58.2%	57.4%	59.3%	66.4%	60.7%	67.4%	65.2%	63.4%	60.7%	62.3%	69.7%	59.2%	53.1%
	2026	54.0%	58.3%	57.4%	59.3%	66.4%	60.7%	67.4%	65.2%	63.4%	60.7%	62.3%	69.7%	59.2%	53.1%
	2027	54.0%	58.3%	57.4%	59.2%	66.4%	60.7%	67.4%	65.2%	63.4%	60.7%	62.3%	69.7%	59.3%	53.1%
Avg.	2008-2017	55.5%	57.2%	61.6%	60.2%	69.7%	62.1%	68.1%	65.7%	64.7%	61.2%	59.9%	66.0%	59.1%	53.6%
	2018-2027	53.9%	57.9%	57.5%	59.3%	66.4%	60.7%	67.4%	65.2%	63.4%	60.8%	62.3%	69.7%	59.2%	53.2%

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 2018 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	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	989.2	843.2	827.1	1,009.9	1,267.7
	2017	862.8	831.4	919.8	1,105.8	1,174.1	1,178.1	1,215.9	1,236.7	1,157.4	1,051.8	860.8	833.7	919.8	1,236.7
Projected	2018	1,094.1	997.1	947.6	985.7	1,123.0	1,218.3	1,223.1	1,256.7	1,155.1	1,072.4	866.2	844.0	1,094.1	1,256.7
	2019	1,107.9	1,009.6	959.1	997.8	1,136.8	1,233.3	1,238.1	1,272.1	1,169.3	1,085.6	879.9	857.3	1,107.9	1,272.1
	2020	1,123.8	1,023.9	971.4	1,011.0	1,151.9	1,249.9	1,254.6	1,289.2	1,185.3	1,100.3	886.7	863.6	1,123.8	1,289.2
	2021	1,134.5	1,033.6	980.9	1,020.9	1,163.1	1,262.1	1,266.8	1,301.8	1,196.8	1,111.0	896.5	872.8	1,134.5	1,301.8
	2022	1,146.6	1,044.6	991.8	1,032.0	1,175.7	1,275.8	1,280.5	1,316.0	1,209.8	1,123.1	906.3	882.3	1,146.6	1,316.0
	2023	1,159.0	1,056.0	1,003.1	1,043.5	1,188.8	1,290.0	1,294.8	1,330.7	1,223.3	1,135.6	916.8	892.6	1,159.0	1,330.7
	2024	1,172.4	1,068.2	1,015.2	1,055.8	1,202.9	1,305.3	1,310.1	1,346.5	1,237.8	1,149.0	925.7	901.2	1,172.4	1,346.5
	2025	1,183.8	1,078.6	1,025.4	1,066.2	1,214.7	1,318.2	1,323.0	1,359.8	1,250.0	1,160.4	935.0	910.3	1,183.8	1,359.8
	2026	1,195.8	1,089.5	1,036.1	1,077.2	1,227.2	1,331.7	1,336.6	1,373.9	1,262.8	1,172.3	943.9	919.0	1,195.8	1,373.9
	2027	1,207.2	1,099.9	1,046.4	1,087.7	1,239.2	1,344.7	1,349.6	1,387.3	1,275.1	1,183.7	953.4	928.3	1,207.2	1,387.3
Projected	2028	1,219.3	1,111.0	1,057.4	1,098.8	1,251.9	1,358.5	1,363.4	1,401.6	1,288.2	1,195.9	961.4	936.1	1,219.3	1,401.6
	2029	1,229.6	1,120.4	1,066.7	1,108.2	1,262.6	1,370.2	1,375.1	1,413.7	1,299.3	1,206.2	970.0	944.6	1,229.6	1,413.7
	2030	1,240.7	1,130.5	1,076.7	1,118.4	1,274.2	1,382.8	1,387.7	1,426.7	1,311.2	1,217.2	979.9	954.1	1,240.7	1,426.7
	2031	1,253.4	1,142.1	1,087.9	1,129.9	1,287.3	1,397.1	1,402.0	1,441.4	1,324.7	1,229.7	991.6	965.4	1,253.4	1,441.4
	2032	1,268.6	1,155.9	1,101.1	1,143.5	1,302.7	1,414.0	1,418.8	1,458.9	1,340.6	1,244.5	1,000.8	974.4	1,268.6	1,458.9
	2033	1,280.7	1,166.9	1,111.5	1,154.2	1,315.0	1,427.4	1,432.1	1,472.7	1,353.2	1,256.1	1,009.3	982.6	1,280.7	1,472.7
	2034	1,291.6	1,176.9	1,121.2	1,164.1	1,326.3	1,439.7	1,444.5	1,485.4	1,364.8	1,266.9	1,017.0	990.3	1,291.6	1,485.4
	2035	1,301.7	1,186.1	1,130.3	1,173.3	1,336.8	1,451.1	1,456.0	1,497.3	1,375.7	1,263.9	1,014.2	985.6	1,301.7	1,497.3
	2036	1,296.0	1,180.3	1,127.7	1,170.1	1,333.3	1,447.4	1,452.1	1,493.0	1,372.4	1,274.8	1,021.3	992.6	1,296.0	1,493.0
	2037	1,305.1	1,188.7	1,136.0	1,178.4	1,342.8	1,457.8	1,462.5	1,503.8	1,382.2	1,265.7	1,013.7	984.0	1,305.1	1,503.8

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	97.5%	93.5%	95.2%	98.2%
	2017	88.0%	98.3%	94.7%	99.5%	98.3%	98.1%	97.2%	97.6%	96.1%	97.5%	94.4%	93.3%	93.8%	97.6%
Projected	2018	94.8%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.8%	97.8%
	2019	94.8%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.2%	94.8%	97.8%
	2020	94.8%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2021	94.8%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.8%	97.7%
	2022	94.9%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2023	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2024	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2025	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2026	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	94.9%	97.8%
	2027	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2008-2017	94.7%	95.4%	94.2%	96.4%	96.8%	97.2%	96.5%	97.4%	95.8%	97.0%	92.9%	93.0%	96.4%	97.5%
	2018-2027	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	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 2018 Load Forecast - Base Case
FP&L Cities - Supplied
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 [1,2]									
							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	2008	3,682,412	-	3,644,271	-	-1.0%	670.8	-	692.1	-	3.2%	719.7	-	729.0	-	1.3%
	2009	3,516,717	-4.5%	3,503,890	-3.9%	-0.4%	709.9	5.8%	652.6	-5.7%	-8.1%	731.3	1.6%	698.7	-4.2%	-4.5%
	2010	3,044,869	-13.4%	2,916,556	-16.8%	-4.2%	631.0	-11.1%	523.5	-19.8%	-17.0%	553.1	-24.4%	542.9	-22.3%	-1.8%
	2011	2,805,902	-7.8%	2,711,488	-7.0%	-3.4%	544.4	-13.7%	545.0	4.1%	0.1%	534.8	-3.3%	513.7	-5.4%	-3.9%
	2012	2,709,712	-3.4%	2,731,112	0.7%	0.8%	469.7	-13.7%	485.7	-10.9%	3.4%	527.2	-1.4%	549.9	7.0%	4.3%
	2013	2,693,753	-0.6%	2,710,017	-0.8%	0.6%	425.0	-9.5%	448.3	-7.7%	5.5%	524.0	-0.6%	538.6	-2.1%	2.8%
	2014	2,437,324	-9.5%	2,396,472	-11.6%	-1.7%	384.4	-9.5%	437.3	-2.5%	13.7%	452.1	-13.7%	460.2	-14.6%	1.8%
	2015	2,366,430	-2.9%	2,315,072	-3.4%	-2.2%	456.4	18.7%	405.7	-7.2%	-11.1%	444.3	-1.7%	465.3	1.1%	4.7%
	2016	2,436,956	3.0%	2,368,506	2.3%	-2.8%	390.9	-14.3%	428.9	5.7%	9.7%	484.9	9.1%	472.0	1.4%	-2.7%
	2017	2,341,144	-3.9%	2,313,898	-2.3%	-1.2%	344.6	-11.9%	346.6	-19.2%	0.6%	467.3	-3.6%	490.1	3.8%	4.9%
Projected	2018	2,358,062	0.7%	2,358,062	1.9%		415.7	20.6%	415.7	19.9%		464.2	-0.7%	464.2	-5.3%	
	2019			2,391,401	1.4%				420.4	1.1%				469.4	1.1%	
	2020			2,402,283	0.5%				421.7	0.3%				471.2	0.4%	
	2021			2,414,414	0.5%				424.2	0.6%				474.0	0.6%	
	2022			2,426,320	0.5%				426.5	0.5%				476.4	0.5%	
	2023			2,439,044	0.5%				428.9	0.6%				478.9	0.5%	
	2024			2,451,621	0.5%				431.3	0.6%				481.4	0.5%	
	2025			2,463,820	0.5%				433.6	0.5%				483.9	0.5%	
	2026			2,475,632	0.5%				435.9	0.5%				486.2	0.5%	
	2027			2,486,848	0.5%				438.0	0.5%				488.4	0.5%	
	2028			2,497,791	0.4%				440.2	0.5%				490.6	0.4%	
	2029			2,508,483	0.4%				442.3	0.5%				492.7	0.4%	
	2030			2,519,167	0.4%				444.3	0.5%				494.9	0.4%	
	2031			2,529,708	0.4%				446.4	0.5%				497.0	0.4%	
	2032			2,540,189	0.4%				448.5	0.5%				499.1	0.4%	
	2033			2,550,317	0.4%				450.5	0.5%				501.1	0.4%	
	2034			2,560,395	0.4%				452.5	0.4%				503.1	0.4%	
	2035			2,570,180	0.4%				454.5	0.4%				505.1	0.4%	
	2036			2,499,092	-2.8%				439.8	-3.2%				489.9	-3.0%	
	2037			2,508,229	0.4%				441.6	0.4%				491.7	0.4%	
CAGR [3]	2008-2017		-4.9%		-4.9%			-7.1%		-7.4%			-4.7%		-4.3%	
	2018-2027				0.6%					0.6%					0.6%	
	2028-2037				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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 25.60 MW beginning Jan-20

FMPA 2018 Load Forecast - Base Case
FP&L Cities - Supplied
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	Net Energy for Load (FY) Current (MWh)	Current Yearly % Change	Previous (MWh)	Previous Yearly % Change	NCP Demand Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)	CP w/ARP Seasonal CP Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)
Historical	2008	3,682,412	-	3,682,412	-	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%	2,436,956	3.0%	437.5	501.8	437.5	501.8	390.9	484.9	390.9	484.9
	2017	2,341,144	-3.9%	2,393,891	-1.8%	411.0	485.1	461.9	484.3	344.6	467.3	415.1	465.0
Projected	2018	2,358,062	0.7%	2,416,064	0.9%	466.5	483.7	466.4	488.8	415.7	464.2	419.2	469.3
	2019	2,391,401	1.4%	2,432,935	0.7%	471.8	489.1	469.9	492.1	420.4	469.4	422.6	472.5
	2020	2,402,283	0.5%	2,436,391	0.1%	473.0	491.1	470.8	493.0	421.7	471.2	423.4	473.3
	2021	2,414,414	0.5%	2,444,355	0.3%	475.8	494.0	473.3	495.5	424.2	474.0	425.7	475.6
	2022	2,426,320	0.5%	2,458,038	0.6%	478.3	496.6	475.8	498.0	426.5	476.4	428.0	478.1
	2023	2,439,044	0.5%	2,469,036	0.4%	480.9	499.2	478.3	500.4	428.9	478.9	430.3	480.4
	2024	2,451,621	0.5%	2,479,809	0.4%	483.6	501.8	480.6	502.7	431.3	481.4	432.4	482.6
	2025	2,463,820	0.5%	2,491,082	0.5%	486.2	504.4	482.8	504.8	433.6	483.9	434.5	484.6
	2026	2,475,632	0.5%	2,499,950	0.4%	488.6	506.8	484.8	506.8	435.9	486.2	436.4	486.5
	2027	2,486,848	0.5%	2,509,196	0.4%	491.0	509.1	486.8	508.8	438.0	488.4	438.2	488.3
	2028	2,497,791	0.4%	2,518,351	0.4%	493.3	511.4	488.7	510.7	440.2	490.6	440.1	490.1
	2029	2,508,483	0.4%	2,527,094	0.3%	495.6	513.7	490.6	512.5	442.3	492.7	441.9	491.9
	2030	2,519,167	0.4%	2,535,645	0.3%	497.9	515.9	492.5	514.3	444.3	494.9	443.6	493.6
	2031	2,529,708	0.4%	2,543,999	0.3%	500.1	518.1	494.4	516.1	446.4	497.0	445.4	495.4
	2032	2,540,189	0.4%	2,552,631	0.3%	502.4	520.3	496.3	518.0	448.5	499.1	447.2	497.1
	2033	2,550,317	0.4%	2,560,831	0.3%	504.6	522.4	498.2	519.8	450.5	501.1	449.0	498.8
	2034	2,560,395	0.4%	2,569,153	0.3%	506.7	524.6	500.1	521.5	452.5	503.1	450.8	500.5
	2035	2,570,180	0.4%	2,577,366	0.3%	508.9	526.6	501.9	523.3	454.5	505.1	452.6	502.2
	2036	2,499,092	-2.8%	2,502,690	-2.9%	493.8	511.7	487.5	507.7	439.8	489.9	438.3	486.3
	2037	2,508,229	0.4%			495.8	513.7			441.6	491.7		
CAGR [1]	Historical		-4.9%		-5.0%	-5.6%	-4.5%	-5.6%	-4.7%	-8.6%	-5.4%	-8.2%	-5.7%
	1st 10 Prj Yrs		0.6%		0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%	0.6%	0.5%
	2nd 10 Prj Yrs		0.0%		0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

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 2018 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	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	196,875	162,861	175,563	2,407,707	2,436,956
	2017	170,310	151,110	171,235	184,929	216,561	221,569	247,242	248,927	193,963	195,778	166,186	172,712	2,340,522	2,341,144
Projected	2018	180,169	160,801	170,031	180,335	201,159	222,962	243,219	245,749	218,963	201,634	169,760	175,997	2,370,778	2,358,062
	2019	183,361	163,469	171,894	182,264	203,314	225,221	245,519	247,996	220,973	203,776	171,607	177,838	2,397,232	2,391,401
	2020	184,246	164,061	172,231	182,580	203,649	225,792	246,190	248,697	221,616	204,047	171,651	177,835	2,402,595	2,402,283
	2021	185,330	165,011	173,375	183,755	204,932	227,235	247,774	250,335	223,134	204,998	172,471	178,693	2,417,043	2,414,414
	2022	186,249	165,808	174,213	184,641	205,946	228,379	249,031	251,615	224,276	206,037	173,351	179,602	2,429,148	2,426,320
	2023	187,224	166,665	175,108	185,587	207,025	229,600	250,375	252,981	225,490	207,070	174,224	180,501	2,441,850	2,439,044
	2024	188,204	167,658	175,981	186,502	208,072	230,781	251,676	254,300	226,653	208,114	175,096	181,390	2,454,425	2,451,621
	2025	189,170	168,371	176,856	187,413	209,110	231,949	252,959	255,597	227,795	209,138	175,951	182,261	2,466,569	2,463,820
	2026	190,116	169,186	177,686	188,276	210,092	233,055	254,174	256,824	228,873	210,102	176,754	183,078	2,478,216	2,475,632
	2027	191,005	169,962	178,475	189,097	211,028	234,111	255,335	257,997	229,905	211,025	177,523	183,861	2,489,323	2,486,848
Projected	2028	191,862	170,844	179,227	189,882	211,927	235,130	256,460	259,139	230,912	211,929	178,277	184,632	2,500,220	2,497,791
	2029	192,705	171,452	179,992	190,679	212,838	236,162	257,598	260,292	231,926	212,837	179,036	185,406	2,510,923	2,508,483
	2030	193,557	172,182	180,735	191,453	213,727	237,172	258,715	261,425	232,924	213,729	179,780	186,166	2,521,564	2,519,167
	2031	194,390	172,907	181,471	192,219	214,605	238,171	259,818	262,544	233,908	214,610	180,514	186,915	2,532,071	2,529,708
	2032	195,214	173,760	182,190	192,968	215,465	239,150	260,897	263,638	234,869	215,467	181,227	187,641	2,542,485	2,540,189
	2033	196,014	174,326	182,911	193,716	216,326	240,132	261,982	264,740	235,836	216,329	181,946	188,375	2,552,633	2,550,317
	2034	196,828	175,017	183,609	194,440	217,161	241,084	263,032	265,805	236,769	217,159	182,637	189,077	2,562,617	2,560,395
	2035	197,607	175,688	184,288	195,144	217,974	242,012	264,060	266,849	237,685	211,564	177,443	183,424	2,553,739	2,570,180
	2036	191,796	170,851	179,082	190,001	211,889	235,332	256,834	259,724	231,152	212,333	178,080	184,071	2,501,145	2,499,092
	2037	192,519	171,349	179,730	190,674	212,667	236,224	257,822	260,729	232,031	204,678	171,071	176,276	2,485,770	2,508,229

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	6.7%	7.3%	7.4%	8.7%	9.8%	10.9%	10.4%	9.3%	8.2%	6.8%	7.3%	100.0%
	2017	7.3%	6.5%	7.3%	7.9%	9.3%	9.5%	10.6%	10.6%	8.3%	8.4%	7.1%	7.4%	100.0%
Projected	2018	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.2%	7.4%	100.0%
	2019	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.2%	7.4%	100.0%
	2020	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2021	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2022	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2023	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2024	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2025	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2026	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2027	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
Avg.	2008-2017	7.5%	6.8%	7.3%	7.6%	8.9%	9.6%	10.2%	10.3%	9.2%	8.3%	7.0%	7.3%	100.0%
	2018-2027	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	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 2018 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	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	469.9	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	423.9	344.6	363.7	437.5	501.8
	2017	411.0	333.6	388.3	411.6	456.4	458.5	480.1	485.1	461.3	413.7	371.2	366.3	411.0	485.1
Projected	2018	466.5	412.4	371.2	386.3	436.8	472.3	483.7	481.8	454.5	416.2	369.5	370.4	466.5	483.7
	2019	471.8	417.2	375.3	390.6	441.7	477.5	489.1	487.2	459.6	420.8	373.0	373.8	471.8	489.1
	2020	473.0	418.5	376.3	391.8	443.3	479.3	491.1	489.1	461.3	422.2	373.6	374.1	473.0	491.1
	2021	475.8	421.1	378.6	394.2	446.0	482.2	494.0	492.1	464.0	424.7	375.9	376.1	475.8	494.0
	2022	478.3	423.3	380.4	396.1	448.2	484.6	496.6	494.5	466.4	426.8	377.9	378.1	478.3	496.6
	2023	480.9	425.6	382.4	398.2	450.6	487.2	499.2	497.2	468.8	429.1	379.9	380.1	480.9	499.2
	2024	483.6	427.9	384.3	400.2	452.9	489.7	501.8	499.7	471.3	431.3	381.8	382.0	483.6	501.8
	2025	486.2	430.2	386.1	402.2	455.2	492.2	504.4	502.3	473.6	433.4	383.6	383.8	486.2	504.4
	2026	488.6	432.3	387.9	404.1	457.4	494.6	506.8	504.7	475.9	435.4	385.4	385.6	488.6	506.8
	2027	491.0	434.4	389.6	405.9	459.4	496.8	509.1	507.0	478.1	437.4	387.1	387.3	491.0	509.1
Projected	2028	493.3	436.4	391.2	407.6	461.4	498.9	511.4	509.2	480.2	439.3	388.7	388.9	493.3	511.4
	2029	495.6	438.4	392.9	409.3	463.4	501.1	513.7	511.4	482.3	441.1	390.4	390.7	495.6	513.7
	2030	497.9	440.4	394.5	411.1	465.4	503.3	515.9	513.6	484.3	443.0	392.0	392.3	497.9	515.9
	2031	500.1	442.3	396.1	412.8	467.4	505.4	518.1	515.8	486.4	444.8	393.6	394.0	500.1	518.1
	2032	502.4	444.3	397.6	414.4	469.3	507.5	520.3	518.0	488.4	446.7	395.2	395.6	502.4	520.3
	2033	504.6	446.2	399.2	416.1	471.2	509.6	522.4	520.1	490.4	448.4	396.8	397.2	504.6	522.4
	2034	506.7	448.1	400.7	417.7	473.1	511.6	524.6	522.2	492.4	450.2	398.3	398.8	506.7	524.6
	2035	508.9	450.0	402.2	419.3	474.9	513.6	526.6	524.3	494.3	438.0	388.0	386.1	508.9	526.6
	2036	493.8	436.0	390.3	407.3	461.4	498.9	511.7	508.7	480.1	439.6	389.4	387.5	493.8	511.7
	2037	495.8	437.7	391.7	408.7	463.1	500.7	513.7	510.6	481.9	421.9	374.9	371.0	495.8	513.7

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	62.4%	63.5%	67.0%	62.8%	54.8%
	2017	55.7%	67.4%	59.3%	60.4%	70.6%	65.0%	71.5%	69.0%	58.4%	63.6%	60.2%	65.5%	65.0%	55.1%
Projected	2018	51.9%	58.0%	61.6%	62.7%	68.5%	63.5%	69.8%	68.6%	66.9%	65.1%	61.8%	66.0%	58.0%	56.0%
	2019	52.2%	58.3%	61.6%	62.7%	68.5%	63.4%	69.7%	68.4%	66.8%	65.1%	61.8%	66.1%	58.0%	56.0%
	2020	52.4%	56.3%	61.5%	62.6%	68.4%	63.3%	69.6%	68.3%	66.7%	65.0%	61.8%	66.0%	58.0%	55.9%
	2021	52.4%	58.3%	61.6%	62.7%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.7%	66.0%	58.0%	55.8%
	2022	52.3%	58.3%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.7%	66.0%	58.0%	55.8%
	2023	52.3%	58.3%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.6%	66.0%	58.0%	55.8%
	2024	52.3%	56.3%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.6%	66.0%	57.9%	55.8%
	2025	52.3%	58.2%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.6%	66.0%	57.9%	55.8%
	2026	52.3%	58.2%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.6%	66.0%	57.9%	55.8%
	2027	52.3%	58.2%	61.6%	62.6%	68.4%	63.3%	69.7%	68.4%	66.8%	64.9%	61.6%	65.9%	57.9%	55.8%
Avg.	2008-2017	55.4%	57.8%	62.4%	62.7%	72.8%	64.9%	70.9%	68.9%	66.8%	64.0%	60.2%	65.6%	59.2%	56.0%
	2018-2027	52.3%	57.9%	61.6%	62.7%	68.4%	63.4%	69.7%	68.4%	66.8%	64.9%	61.7%	66.0%	58.0%	55.9%

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 2018 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	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	365.9	333.5	328.8	390.9	484.9
	2017	306.6	323.4	344.6	406.6	447.4	440.6	461.4	467.3	446.0	396.8	336.8	325.0	344.6	467.3
Projected	2018	415.7	376.8	339.8	365.3	418.9	450.1	463.1	464.2	430.5	399.1	335.3	328.7	415.7	464.2
	2019	420.4	381.2	343.6	369.4	423.6	455.2	468.3	469.4	435.3	403.5	338.5	331.6	420.4	469.4
	2020	421.7	382.2	344.3	370.5	425.1	456.8	470.1	471.2	436.8	404.9	338.9	331.7	421.7	471.2
	2021	424.2	384.5	346.4	372.7	427.6	459.6	473.0	474.0	439.5	407.3	341.0	333.5	424.2	474.0
	2022	426.5	386.5	348.1	374.6	429.8	461.9	475.4	476.4	441.7	409.3	342.8	335.3	426.5	476.4
	2023	428.9	388.7	349.9	376.5	432.0	464.3	477.9	478.9	444.0	411.4	344.7	337.1	428.9	478.9
	2024	431.3	390.9	351.6	378.4	434.3	466.7	480.5	481.4	446.3	413.6	346.4	338.8	431.3	481.4
	2025	433.6	393.0	353.4	380.3	436.5	469.1	482.9	483.9	448.6	415.6	348.0	340.5	433.6	483.9
	2026	435.9	395.1	355.0	382.1	438.5	471.3	485.3	486.2	450.7	417.5	349.6	342.1	435.9	486.2
	2027	438.0	397.0	356.6	383.7	440.5	473.4	487.5	488.4	452.7	419.4	351.1	343.7	438.0	488.4
Projected	2028	440.2	398.9	358.1	385.4	442.5	475.5	489.7	490.6	454.7	421.2	352.6	345.2	440.2	490.6
	2029	442.3	400.8	359.6	387.0	444.4	477.6	491.9	492.7	456.7	423.0	354.1	346.8	442.3	492.7
	2030	444.3	402.7	361.1	388.7	446.3	479.6	494.0	494.9	458.7	424.8	355.6	348.3	444.3	494.9
	2031	446.4	404.6	362.6	390.3	448.2	481.7	496.1	497.0	460.6	426.5	357.1	349.9	446.4	497.0
	2032	448.5	406.4	364.1	391.9	450.0	483.7	498.3	499.1	462.5	428.3	358.5	351.3	448.5	499.1
	2033	450.5	408.2	365.5	393.4	451.9	485.6	500.3	501.1	464.4	430.0	360.0	352.8	450.5	501.1
	2034	452.5	410.0	366.9	394.9	453.7	487.6	502.4	503.1	466.3	431.7	361.4	354.2	452.5	503.1
	2035	454.5	411.8	368.3	396.4	455.4	489.5	504.4	505.1	468.1	420.2	351.2	342.6	454.5	505.1
	2036	439.8	397.8	357.2	384.5	442.1	475.1	490.0	489.9	454.7	421.8	352.5	343.9	439.8	489.9
	2037	441.6	399.5	358.4	385.9	443.7	476.9	491.9	491.7	456.4	405.0	338.4	329.1	441.6	491.7

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	86.3%	96.8%	90.4%	89.3%	96.6%
	2017	74.6%	96.9%	88.7%	98.8%	98.0%	96.1%	96.1%	96.3%	96.7%	95.9%	90.7%	88.7%	83.8%	96.3%
Projected	2018	89.1%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	96.0%
	2019	89.1%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.8%	88.7%	89.1%	96.0%
	2020	89.2%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	96.0%
	2021	89.2%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2022	89.2%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2023	89.2%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2024	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2025	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2026	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2027	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2008-2017	89.6%	90.7%	91.9%	94.5%	95.5%	95.3%	95.4%	96.0%	94.2%	95.3%	90.9%	89.2%	92.4%	96.1%
	2018-2027	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%

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 2018 Load Forecast - Base Case
Duke Energy Florida Cities - Supplied
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY) Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Coincident Peak Demand w/ARP Seasonal CP [1,2] — Winter Demand (prior Nov - current Mar) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Summer Demand (Apr-Oct) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2008	1,960,379	-	1,972,519	-	0.6%	395.4	-	393.6	-	-0.4%	420.5	-	419.9	-	-0.1%
	2009	1,939,898	-1.0%	1,932,539	-2.0%	-0.4%	432.9	9.5%	417.7	6.1%	-3.5%	438.2	4.2%	439.9	4.8%	0.4%
	2010	1,994,053	2.8%	1,886,003	-2.4%	-5.4%	466.6	7.8%	413.0	-1.1%	-11.5%	415.8	-5.1%	404.2	-8.1%	-2.8%
	2011	1,930,773	-3.2%	1,846,253	-2.1%	-4.4%	416.1	-10.8%	415.5	0.6%	-0.1%	407.5	-2.0%	379.8	-6.0%	-6.8%
	2012	1,820,328	-5.7%	1,826,198	-1.1%	0.3%	381.2	-8.4%	372.1	-10.4%	-2.4%	373.5	-8.3%	425.8	12.1%	14.0%
	2013	1,827,744	0.4%	1,826,441	0.0%	-0.1%	342.2	-10.2%	355.4	-4.5%	3.9%	391.2	4.7%	405.3	-4.8%	3.6%
	2014	1,853,952	1.4%	1,842,213	0.9%	-0.6%	371.1	8.5%	403.5	13.5%	8.7%	406.2	3.8%	411.9	1.6%	1.4%
	2015	1,902,497	2.6%	1,850,531	0.5%	-2.7%	407.6	9.8%	408.4	1.2%	0.2%	419.6	3.3%	442.9	7.5%	5.5%
	2016	1,959,340	3.0%	1,892,924	2.3%	-3.4%	343.2	-15.8%	401.5	-1.7%	17.0%	429.1	2.3%	423.0	-4.5%	-1.4%
	2017	1,906,152	-2.7%	1,906,705	0.7%	0.0%	308.4	-10.1%	362.9	-9.6%	17.7%	423.7	-1.2%	458.6	8.4%	8.2%
Projected	2018	1,963,286	3.0%	1,963,286	3.0%		407.8	32.2%	407.8	12.4%		429.4	1.3%	429.4	-6.4%	
	2019			1,997,466	1.7%				414.3	1.6%				436.4	1.6%	
	2020			2,045,408	2.4%				425.2	2.6%				446.7	2.4%	
	2021			2,066,885	1.1%				429.6	1.0%				451.3	1.0%	
	2022			2,089,212	1.1%				434.2	1.1%				456.2	1.1%	
	2023			2,111,836	1.1%				438.9	1.1%				461.2	1.1%	
	2024			2,135,897	1.1%				443.9	1.1%				466.4	1.1%	
	2025			2,156,981	1.0%				448.2	1.0%				471.0	1.0%	
	2026			2,178,841	1.0%				452.7	1.0%				475.7	1.0%	
	2027			2,199,754	1.0%				457.0	0.9%				480.3	1.0%	
	2028			2,221,480	1.0%				461.5	1.0%				485.0	1.0%	
	2029			2,239,960	0.8%				465.3	0.8%				489.0	0.8%	
	2030			2,259,458	0.9%				469.3	0.9%				493.2	0.9%	
	2031			2,284,694	1.1%				475.3	1.3%				499.6	1.3%	
	2032			2,323,096	1.7%				483.3	1.7%				508.0	1.7%	
	2033			2,354,565	1.4%				489.3	1.2%				514.4	1.3%	
	2034			2,377,412	1.0%				493.6	0.9%				519.0	0.9%	
	2035			2,394,948	0.7%				497.2	0.7%				522.8	0.7%	
	2036			2,413,646	0.8%				501.1	0.8%				526.8	0.8%	
	2037			2,428,941	0.6%				504.2	0.6%				530.2	0.6%	
CAGR [3]	2008-2017		-0.3%		-0.4%			-2.7%		-0.9%			0.1%		1.0%	
	2018-2027				1.3%					1.3%					1.3%	
	2028-2037				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.
[2] The weather-normalized coincident peak demands 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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 25.60 MW beginning Jan-20

FMPA 2018 Load Forecast - Base Case
Duke Energy Florida Cities - Supplied
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	1,960,379	-	1,960,379	-	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%	1,959,340	3.0%	379.5	435.7	379.5	435.7	343.2	429.1	376.2	429.1
	2017	1,906,152	-2.7%	1,940,832	-0.9%	345.1	429.8	404.8	428.9	308.4	423.7	400.7	422.1
Projected	2018	1,963,286	3.0%	1,965,990	1.3%	410.1	435.5	410.9	435.4	407.8	429.4	406.7	428.5
	2019	1,997,466	1.7%	1,991,748	1.3%	416.7	442.5	415.8	440.7	414.3	436.4	411.6	433.7
	2020	2,045,408	2.4%	2,015,029	1.2%	427.6	453.3	420.6	445.9	425.2	446.7	416.5	438.8
	2021	2,066,885	1.1%	2,036,351	1.1%	432.0	458.0	424.9	450.6	429.6	451.3	420.8	443.4
	2022	2,089,212	1.1%	2,058,329	1.1%	436.7	463.0	429.5	455.4	434.2	456.2	425.3	448.2
	2023	2,111,836	1.1%	2,080,094	1.1%	441.4	468.0	434.0	460.2	438.9	461.2	429.8	452.9
	2024	2,135,897	1.1%	2,103,022	1.1%	446.4	473.3	438.7	465.2	443.9	466.4	434.5	457.9
	2025	2,156,981	1.0%	2,122,920	0.9%	450.8	478.0	442.8	469.6	448.2	471.0	438.5	462.2
	2026	2,178,841	1.0%	2,143,786	1.0%	455.3	482.7	447.1	474.2	452.7	475.7	442.8	466.8
	2027	2,199,754	1.0%	2,164,540	1.0%	459.6	487.3	451.4	478.7	457.0	480.3	447.1	471.3
	2028	2,221,480	1.0%	2,186,428	1.0%	464.1	492.1	455.9	483.6	461.5	485.0	451.5	476.0
	2029	2,239,960	0.8%	2,205,333	0.9%	467.9	496.2	459.8	487.7	465.3	489.0	455.4	480.1
	2030	2,259,458	0.9%	2,225,387	0.9%	472.0	500.5	464.0	492.1	469.3	493.2	459.5	484.5
	2031	2,284,694	1.1%	2,245,148	0.9%	478.0	506.9	468.1	496.5	475.3	499.6	463.6	488.8
	2032	2,323,096	1.7%	2,265,962	0.9%	486.0	515.4	472.4	501.1	483.3	508.0	467.8	493.3
	2033	2,354,565	1.4%	2,283,556	0.8%	492.0	521.8	476.0	504.9	489.3	514.4	471.5	497.1
	2034	2,377,412	1.0%	2,302,311	0.8%	496.4	526.5	479.9	509.1	493.6	519.0	475.3	501.2
	2035	2,394,948	0.7%	2,321,064	0.8%	500.0	530.3	483.8	513.2	497.2	522.8	479.2	505.3
	2036	2,413,646	0.8%	2,341,549	0.9%	503.9	534.4	488.0	517.7	501.1	526.8	483.4	509.8
	2037	2,428,941	0.6%			507.0	537.8			504.2	530.2		
CAGR [1]	Historical		-0.3%		0.0%	-1.5%	0.1%	-0.5%	0.3%	-4.2%	-0.4%	-2.2%	-0.3%
	1st 10 Prj Yrs		1.3%		1.1%	1.3%	1.3%	1.1%	1.1%	1.3%	1.3%	1.1%	1.1%
	2nd 10 Prj Yrs		1.0%		0.9%	1.0%	1.0%	0.9%	0.9%	1.0%	1.0%	0.9%	0.9%

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)

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	155,850	130,461	137,293	1,947,454	1,959,340
	2017	140,708	121,154	139,794	150,435	177,246	177,339	195,874	204,966	175,032	155,928	138,708	153,433	1,930,617	1,906,152
Projected	2018	156,380	135,582	143,412	147,484	169,948	185,947	195,216	203,945	177,303	158,104	142,272	156,210	1,971,803	1,963,286
	2019	159,458	138,325	145,448	150,451	173,004	188,773	198,469	207,236	179,716	162,192	145,827	159,767	2,008,666	1,997,466
	2020	163,706	143,121	149,027	154,021	176,763	192,780	202,782	211,769	183,652	164,063	147,478	161,554	2,050,716	2,045,408
	2021	165,558	143,407	150,695	155,772	178,718	194,913	205,017	214,075	185,636	165,850	149,090	163,308	2,072,039	2,066,885
	2022	167,324	144,944	152,326	157,474	180,653	197,016	207,216	216,376	187,634	167,647	150,719	165,075	2,094,406	2,089,212
	2023	169,104	146,503	153,981	159,201	182,626	199,153	209,450	218,714	189,662	169,470	152,370	166,862	2,117,095	2,111,836
	2024	170,899	149,425	155,644	160,934	184,603	201,289	211,680	221,044	191,679	171,278	154,005	168,628	2,141,107	2,135,897
	2025	172,675	149,627	157,285	162,642	186,552	203,395	213,880	223,343	193,670	173,063	155,618	170,372	2,162,123	2,156,981
	2026	174,426	151,150	158,889	164,307	188,446	205,435	216,003	225,554	195,578	174,768	157,153	172,026	2,183,736	2,178,841
	2027	176,088	152,600	160,420	165,898	190,261	207,393	218,044	227,683	197,420	176,417	158,641	173,633	2,204,498	2,199,754
Projected	2028	177,704	155,411	161,907	167,445	192,024	209,297	220,030	229,756	199,215	178,025	160,093	175,202	2,226,109	2,221,480
	2029	179,283	155,387	163,362	168,958	193,751	211,162	221,975	231,788	200,974	179,603	161,518	176,742	2,244,503	2,239,960
	2030	180,831	156,738	164,790	170,445	195,446	212,990	223,881	233,778	202,697	181,147	162,914	178,249	2,263,905	2,259,458
	2031	182,460	158,267	166,521	172,366	197,763	215,631	226,794	236,986	205,594	183,884	165,543	181,237	2,293,049	2,284,694
	2032	185,415	162,315	169,276	175,231	200,995	219,113	230,435	240,794	208,857	186,815	168,213	184,123	2,331,582	2,323,096
	2033	188,213	163,272	171,755	177,734	203,753	222,046	233,430	243,829	211,382	188,977	170,068	186,103	2,360,562	2,354,565
	2034	190,207	164,939	173,448	179,436	205,645	224,072	235,489	245,910	213,119	190,478	171,381	187,470	2,381,594	2,377,412
	2035	191,575	166,139	174,722	180,765	207,162	225,705	237,193	247,692	214,665	191,871	172,645	188,833	2,398,967	2,394,948
	2036	192,937	168,820	175,985	182,082	208,661	227,316	238,870	249,444	216,181	193,232	173,878	190,159	2,417,566	2,413,646
	2037	194,264	168,493	177,216	183,365	210,123	228,888	240,507	251,154	217,662	194,561	175,078	191,452	2,432,762	2,428,941

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.7%	6.9%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.7%	7.0%	100.0%
	2017	7.3%	6.3%	7.2%	7.8%	9.2%	9.2%	10.1%	10.6%	9.1%	8.1%	7.2%	7.9%	100.0%
Projected	2018	7.9%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2019	7.9%	6.9%	7.2%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.1%	7.3%	8.0%	100.0%
	2020	8.0%	7.0%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2021	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2022	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2023	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2024	8.0%	7.0%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2025	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2026	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2027	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	6.9%	7.6%	100.0%
	2018-2027	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%

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Cities Discontinuing Service from the ARP: Vero Beach (Dec-09), Lake Worth (Dec-13), Starke (Sep-35)

FMPA 2018 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	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	344.9	288.0	279.3	379.5	435.7
	2017	345.1	284.4	313.0	380.9	398.2	409.9	419.4	429.8	401.5	359.9	297.8	297.0	345.1	429.8
Projected	2018	410.1	374.9	328.3	336.3	388.8	425.1	416.7	435.5	403.7	364.9	302.6	301.7	410.1	435.5
	2019	416.7	381.0	333.6	341.8	395.1	432.0	423.5	442.5	410.2	370.8	310.0	309.9	416.7	442.5
	2020	427.6	390.8	341.6	350.3	404.7	442.3	433.6	453.3	420.4	380.0	313.3	313.1	427.6	453.3
	2021	432.0	394.8	345.2	353.9	408.9	446.9	438.1	458.0	424.8	383.9	316.6	316.4	432.0	458.0
	2022	436.7	399.1	348.9	357.7	413.3	451.8	442.8	463.0	429.4	388.0	320.1	319.8	436.7	463.0
	2023	441.4	403.4	352.7	361.6	417.8	456.7	447.6	468.0	434.0	392.2	323.7	323.4	441.4	468.0
	2024	446.4	408.0	356.7	365.7	422.5	461.8	452.7	473.3	438.9	396.7	326.9	326.6	446.4	473.3
	2025	450.8	412.0	360.2	369.3	426.7	466.4	457.1	478.0	443.2	400.6	330.1	329.9	450.8	478.0
	2026	455.3	416.1	363.8	373.0	430.9	471.0	461.7	482.7	447.7	404.6	333.3	333.0	455.3	482.7
	2027	459.6	420.0	367.3	376.5	435.0	475.5	466.1	487.3	451.9	408.4	336.5	336.3	459.6	487.3
Projected	2028	464.1	424.1	370.9	380.2	439.3	480.2	470.7	492.1	456.4	412.4	339.3	339.0	464.1	492.1
	2029	467.9	427.7	373.9	383.3	442.9	484.1	474.6	496.2	460.1	415.8	342.2	341.9	467.9	496.2
	2030	472.0	431.3	377.2	386.7	446.7	488.3	478.7	500.5	464.1	419.4	346.7	346.3	472.0	500.5
	2031	478.0	436.9	382.0	391.6	452.5	494.6	484.8	506.9	470.1	424.8	352.5	352.0	478.0	506.9
	2032	486.0	444.2	388.4	398.2	460.1	502.9	493.0	515.4	477.9	431.9	357.0	356.3	486.0	515.4
	2033	492.0	449.7	393.3	403.1	465.8	509.2	499.1	521.8	483.9	437.3	360.2	359.5	492.0	521.8
	2034	496.4	453.7	396.8	406.7	469.9	513.7	503.6	526.5	488.2	441.2	362.8	362.1	496.4	526.5
	2035	500.0	457.0	399.7	409.7	473.4	517.4	507.2	530.3	491.8	444.4	365.6	364.9	500.0	530.3
	2036	503.9	460.5	402.8	412.9	477.0	521.4	511.2	534.4	495.6	447.9	367.9	367.2	503.9	534.4
	2037	507.0	463.4	405.3	415.5	480.0	524.7	514.4	537.8	498.7	450.7	370.4	369.6	507.0	537.8

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.7%	60.9%	68.3%	58.6%	51.0%
	2017	54.8%	63.4%	60.0%	53.1%	66.2%	58.1%	64.9%	64.1%	60.5%	58.2%	62.6%	71.8%	63.9%	51.3%
Projected	2018	51.2%	53.8%	58.7%	58.9%	65.0%	58.8%	65.1%	62.9%	61.0%	58.2%	63.2%	71.9%	54.9%	51.7%
	2019	51.4%	54.0%	58.6%	59.2%	65.2%	58.7%	65.1%	62.9%	60.9%	58.8%	63.2%	71.6%	55.0%	51.8%
	2020	51.5%	52.6%	58.6%	59.1%	65.0%	58.6%	65.0%	62.8%	60.7%	58.0%	63.3%	71.7%	54.7%	51.6%
	2021	51.5%	54.0%	58.7%	59.2%	65.0%	58.6%	65.0%	62.8%	60.7%	58.1%	63.3%	71.7%	54.7%	51.6%
	2022	51.5%	54.0%	58.7%	59.2%	65.0%	58.6%	65.0%	62.8%	60.7%	58.1%	63.3%	71.7%	54.8%	51.6%
	2023	51.5%	54.0%	58.7%	59.2%	65.0%	58.6%	65.0%	62.8%	60.7%	58.1%	63.3%	71.7%	54.8%	51.6%
	2024	51.5%	52.6%	58.6%	59.2%	65.0%	58.6%	64.9%	62.8%	60.7%	58.0%	63.3%	71.7%	54.8%	51.6%
	2025	51.5%	54.0%	58.7%	59.2%	65.1%	58.6%	65.0%	62.8%	60.7%	58.1%	63.4%	71.7%	54.8%	51.6%
	2026	51.5%	54.1%	58.7%	59.2%	65.1%	58.6%	65.0%	62.8%	60.7%	58.1%	63.4%	71.8%	54.8%	51.6%
	2027	51.5%	54.1%	58.7%	59.2%	65.1%	58.6%	65.0%	62.8%	60.7%	58.1%	63.4%	71.7%	54.8%	51.6%
Avg.	2008-2017	53.8%	54.7%	61.4%	58.6%	67.6%	59.6%	65.2%	62.9%	62.8%	59.3%	60.3%	65.5%	55.2%	51.9%
	2018-2027	51.5%	53.7%	58.7%	59.2%	65.1%	58.6%	65.0%	62.8%	60.7%	58.2%	63.3%	71.7%	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 2018 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	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	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	325.0	285.2	268.6	343.2	429.1
	2017	341.0	280.6	308.4	380.2	386.8	405.7	414.7	423.7	379.4	354.1	293.0	286.0	308.4	423.7
Projected	2018	407.8	373.5	312.5	333.3	380.1	417.0	408.6	429.4	391.4	359.0	297.7	290.6	407.8	429.4
	2019	414.3	379.5	317.5	338.7	386.2	423.8	415.2	436.4	397.7	364.8	305.0	297.8	414.3	436.4
	2020	425.2	389.3	324.9	346.8	395.4	433.8	424.9	446.7	407.5	373.8	308.2	300.9	425.2	446.7
	2021	429.6	393.3	328.3	350.4	399.5	438.3	429.3	451.3	411.7	377.7	311.5	304.1	429.6	451.3
	2022	434.2	397.5	331.8	354.2	403.8	443.1	434.0	456.2	416.2	381.8	314.9	307.4	434.2	456.2
	2023	438.9	401.8	335.4	358.0	408.2	447.9	438.7	461.2	420.7	385.9	318.5	310.9	438.9	461.2
	2024	443.9	406.4	339.2	362.1	412.8	452.9	443.6	466.4	425.5	390.3	321.6	313.9	443.9	466.4
	2025	448.2	410.4	342.6	365.6	416.9	457.4	448.0	471.0	429.6	394.1	324.8	317.1	448.2	471.0
	2026	452.7	414.5	346.0	369.3	421.0	462.0	452.5	475.7	433.9	398.1	327.9	320.1	452.7	475.7
	2027	457.0	418.4	349.3	372.8	425.0	466.4	456.8	480.3	438.1	401.9	331.1	323.2	457.0	480.3
Projected	2028	461.5	422.5	352.7	376.5	429.2	470.9	461.3	485.0	442.4	405.8	333.9	325.9	461.5	485.0
	2029	465.3	426.0	355.6	379.6	432.8	474.8	465.1	489.0	446.0	409.2	336.8	328.7	465.3	489.0
	2030	469.3	429.7	358.7	382.9	436.5	478.9	469.1	493.2	449.9	412.7	341.2	332.9	469.3	493.2
	2031	475.3	435.2	363.3	387.8	442.1	485.1	475.2	499.6	455.6	418.0	347.0	338.4	475.3	499.6
	2032	483.3	442.5	369.5	394.3	449.5	493.3	483.2	508.0	463.3	425.0	351.3	342.6	483.3	508.0
	2033	489.3	448.0	374.1	399.2	455.1	499.5	489.2	514.4	469.1	430.3	354.5	345.6	489.3	514.4
	2034	493.6	452.0	377.4	402.7	459.2	504.0	493.5	519.0	473.2	434.1	357.1	348.1	493.6	519.0
	2035	497.2	455.3	380.2	405.7	462.5	507.6	497.2	522.8	476.7	437.3	359.8	350.9	497.2	522.8
	2036	501.1	458.8	383.1	408.8	466.1	511.6	501.0	526.8	480.4	440.7	362.1	353.1	501.1	526.8
	2037	504.2	461.7	385.5	411.4	469.0	514.8	504.2	530.2	483.4	443.4	364.5	355.4	504.2	530.2

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	94.2%	99.0%	96.2%	90.4%	98.5%
	2017	98.8%	98.7%	98.5%	99.8%	97.1%	99.0%	98.9%	98.6%	94.5%	98.4%	98.4%	96.3%	89.4%	98.6%
Projected	2018	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.3%	99.4%	98.6%
	2019	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.1%	99.4%	98.6%
	2020	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2021	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2022	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2023	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2024	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2025	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2026	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2008-2017	99.3%	99.3%	95.6%	97.7%	97.1%	98.0%	97.4%	98.4%	97.5%	97.8%	93.4%	96.2%	97.1%	98.1%
	2018-2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%

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)

FMPA 2018 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 [1,2] | | | | | | | | | |
| | | | | | | | 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	Percent Diff.
Historical	2008	23,822	-	24,203	-	1.6%	5.4	-	5.8	-	7.4%	5.3	-	5.4		1.5%
	2009	24,837	4.3%	24,715	2.1%	-0.5%	6.7	24.2%	5.9	1.9%	-11.9%	5.8	7.8%	5.8	7.6%	1.3%
	2010	26,279	5.8%	24,951	1.0%	-5.1%	7.9	18.2%	6.4	8.7%	-19.0%	5.9	2.1%	5.0	-14.4%	-15.0%
	2011	25,311	-3.7%	24,495	-1.8%	-3.2%	7.0	-12.1%	7.1	10.5%	1.9%	5.2	-11.8%	5.1	3.0%	-0.8%
	2012	23,675	-6.5%	24,031	-1.9%	1.5%	5.5	-20.8%	5.6	-20.6%	2.2%	4.8	-8.3%	5.8	12.7%	21.9%
	2013	23,262	-1.7%	23,426	-2.5%	0.7%	5.8	4.2%	5.6	-1.3%	-3.2%	5.0	5.8%	5.3	-8.8%	5.0%
	2014	23,792	2.3%	23,590	0.7%	-0.8%	6.3	10.1%	6.8	22.4%	7.6%	5.4	7.1%	5.3	0.6%	-1.4%
	2015	24,259	2.0%	23,701	0.5%	-2.3%	6.7	5.7%	7.2	5.6%	7.5%	5.6	4.0%	5.4	2.3%	-2.9%
	2016	24,927	2.8%	24,313	2.6%	-2.5%	5.1	-23.2%	5.9	-18.6%	14.0%	5.6	-0.4%	5.2	-4.3%	-6.8%
	2017	24,334	-2.4%	24,633	1.3%	1.2%	4.1	-19.8%	5.6	-4.9%	35.1%	6.1	9.8%	6.1	16.6%	-1.0%
Projected	2018	25,136	3.3%	25,136	2.0%		6.5	57.3%	6.5	16.4%		5.5	-9.7%	5.5	-8.8%	
	2019			25,307	0.7%				6.5	0.6%				5.6	0.6%	
	2020			47,572	88.0%				12.3	88.3%				10.5	88.3%	
	2021			47,957	0.8%				12.4	0.8%				10.6	0.8%	
	2022			48,376	0.9%				12.5	0.9%				10.6	0.9%	
	2023			48,806	0.9%				12.6	0.9%				10.7	0.9%	
	2024			49,238	0.9%				12.7	0.9%				10.8	0.9%	
	2025			49,670	0.9%				12.8	0.9%				10.9	0.9%	
	2026			50,103	0.9%				12.9	0.9%				11.0	0.9%	
	2027			50,533	0.9%				13.1	0.9%				11.1	0.9%	
	2028			50,964	0.9%				13.2	0.9%				11.2	0.9%	
	2029			51,395	0.8%				13.3	0.8%				11.3	0.8%	
	2030			51,827	0.8%				13.4	0.8%				11.4	0.8%	
	2031			52,255	0.8%				13.5	0.8%				11.5	0.8%	
	2032			52,678	0.8%				13.6	0.8%				11.6	0.8%	
	2033			53,102	0.8%				13.7	0.8%				11.7	0.8%	
	2034			53,527	0.8%				13.8	0.8%				11.8	0.8%	
	2035			53,958	0.8%				13.9	0.8%				11.9	0.8%	
	2036			54,392	0.8%				14.1	0.8%				12.0	0.8%	
	2037			54,819	0.8%				14.2	0.8%				12.1	0.8%	
CAGR [3]	2008-2017		0.2%		0.2%			-3.0%		-0.5%			1.5%		1.3%	
	2018-2027				8.1%					8.1%					8.1%	
	2028-2037				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 2018 Load Forecast - Base Case
Bushnell
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	23,822	-	23,822	-	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%	24,927	2.8%	6.0	6.1	6.0	6.1	5.1	5.6	5.7	5.6
	2017	24,334	-2.4%	24,874	-0.2%	5.2	6.1	6.5	5.9	4.1	6.1	6.3	5.4
Projected	2018	25,136	3.3%	25,031	0.6%	6.5	6.0	6.5	6.0	6.5	5.5	6.4	5.4
	2019	25,307	0.7%	25,181	0.6%	6.5	6.1	6.6	6.0	6.5	5.6	6.4	5.4
	2020	47,572	88.0%	25,314	0.5%	12.3	11.4	6.6	6.0	12.3	10.5	6.5	5.5
	2021	47,957	0.8%	25,455	0.6%	12.4	11.5	6.6	6.1	12.4	10.6	6.5	5.5
	2022	48,376	0.9%	25,636	0.7%	12.5	11.6	6.7	6.1	12.5	10.6	6.6	5.5
	2023	48,806	0.9%	25,819	0.7%	12.6	11.7	6.7	6.2	12.6	10.7	6.6	5.6
	2024	49,238	0.9%	25,998	0.7%	12.7	11.8	6.8	6.2	12.7	10.8	6.7	5.6
	2025	49,670	0.9%	26,175	0.7%	12.8	11.9	6.8	6.3	12.8	10.9	6.7	5.7
	2026	50,103	0.9%	26,349	0.7%	12.9	12.0	6.9	6.3	12.9	11.0	6.7	5.7
	2027	50,533	0.9%	26,512	0.6%	13.1	12.1	6.9	6.3	13.1	11.1	6.8	5.7
	2028	50,964	0.9%	26,677	0.6%	13.2	12.2	7.0	6.4	13.2	11.2	6.8	5.8
	2029	51,395	0.8%	26,847	0.6%	13.3	12.3	7.0	6.4	13.3	11.3	6.9	5.8
	2030	51,827	0.8%	27,015	0.6%	13.4	12.4	7.1	6.5	13.4	11.4	6.9	5.8
	2031	52,255	0.8%	27,197	0.7%	13.5	12.5	7.1	6.5	13.5	11.5	7.0	5.9
	2032	52,678	0.8%	27,380	0.7%	13.6	12.6	7.1	6.5	13.6	11.6	7.0	5.9
	2033	53,102	0.8%	27,563	0.7%	13.7	12.7	7.2	6.6	13.7	11.7	7.1	5.9
	2034	53,527	0.8%	27,740	0.6%	13.8	12.9	7.2	6.6	13.8	11.8	7.1	6.0
	2035	53,958	0.8%	27,917	0.6%	13.9	13.0	7.3	6.7	13.9	11.9	7.1	6.0
	2036	54,392	0.8%	28,092	0.6%	14.1	13.1	7.3	6.7	14.1	12.0	7.2	6.1
	2037	54,819	0.8%			14.2	13.2			14.2	12.1		
CAGR [1]	Historical		0.2%		0.6%	-0.4%	0.8%	1.3%	0.8%	-5.9%	0.8%	-2.4%	-0.5%
	1st 10 Prj Yrs		8.1%		0.6%	8.1%	8.1%	0.7%	0.7%	8.1%	8.1%	0.7%	0.7%
	2nd 10 Prj Yrs		0.8%		0.6%	0.8%	0.8%	0.6%	0.6%	0.8%	0.8%	0.6%	0.6%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	1,985	1,630	1,738	24,719	24,927
	2017	1,796	1,594	1,804	1,906	2,267	2,191	2,418	2,669	2,338	2,105	1,792	1,874	24,754	24,334
Projected	2018	2,159	1,808	1,895	1,854	2,145	2,253	2,406	2,577	2,268	2,102	1,811	1,882	25,159	25,136
	2019	2,176	1,822	1,911	1,869	2,162	2,270	2,423	2,595	2,284	3,902	3,360	3,490	30,264	25,307
	2020	4,223	3,532	3,722	3,632	3,998	4,196	4,482	4,805	4,230	3,932	3,386	3,517	47,655	47,572
	2021	4,255	3,560	3,752	3,662	4,031	4,231	4,520	4,845	4,266	3,966	3,415	3,547	48,050	47,957
	2022	4,291	3,591	3,784	3,694	4,067	4,269	4,560	4,888	4,304	4,001	3,445	3,579	48,473	48,376
	2023	4,329	3,622	3,818	3,727	4,103	4,307	4,600	4,932	4,342	4,037	3,476	3,611	48,904	48,806
	2024	4,367	3,654	3,852	3,760	4,140	4,345	4,641	4,975	4,381	4,073	3,507	3,643	49,336	49,238
	2025	4,405	3,686	3,885	3,793	4,176	4,383	4,681	5,019	4,419	4,108	3,538	3,675	49,768	49,670
	2026	4,443	3,718	3,919	3,826	4,213	4,421	4,722	5,062	4,457	4,144	3,568	3,706	50,201	50,103
	2027	4,481	3,750	3,953	3,859	4,249	4,459	4,763	5,106	4,496	4,180	3,599	3,738	50,631	50,533
Projected	2028	4,519	3,781	3,987	3,892	4,285	4,497	4,803	5,149	4,534	4,215	3,630	3,770	51,062	50,964
	2029	4,556	3,813	4,020	3,925	4,322	4,535	4,844	5,192	4,572	4,251	3,660	3,801	51,493	51,395
	2030	4,594	3,845	4,054	3,958	4,358	4,573	4,884	5,236	4,610	4,287	3,691	3,833	51,925	51,827
	2031	4,632	3,877	4,088	3,991	4,394	4,611	4,924	5,279	4,648	4,322	3,721	3,864	52,352	52,255
	2032	4,669	3,908	4,121	4,023	4,430	4,649	4,964	5,321	4,686	4,357	3,751	3,896	52,775	52,678
	2033	4,706	3,939	4,154	4,056	4,466	4,686	5,004	5,364	4,724	4,392	3,782	3,927	53,199	53,102
	2034	4,744	3,970	4,187	4,088	4,502	4,724	5,044	5,407	4,762	4,427	3,812	3,958	53,625	53,527
	2035	4,781	4,002	4,220	4,121	4,538	4,762	5,085	5,451	4,800	4,463	3,843	3,991	54,057	53,958
	2036	4,819	4,034	4,254	4,154	4,575	4,800	5,125	5,494	4,838	4,499	3,874	4,022	54,490	54,392
	2037	4,857	4,066	4,288	4,187	4,611	4,838	5,165	5,537	4,876	4,534	3,904	4,053	54,915	54,819

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.8%	7.3%	7.2%	7.3%	8.7%	9.6%	10.6%	10.3%	9.6%	8.0%	6.6%	7.0%	100.0%
	2017	7.3%	6.4%	7.3%	7.7%	9.2%	8.9%	9.8%	10.8%	9.4%	8.5%	7.2%	7.6%	100.0%
Projected	2018	8.6%	7.2%	7.5%	7.4%	8.5%	9.0%	9.6%	10.2%	9.0%	8.4%	7.2%	7.5%	100.0%
	2019	7.2%	6.0%	6.3%	6.2%	7.1%	7.5%	8.0%	8.6%	7.5%	12.9%	11.1%	11.5%	100.0%
	2020	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2021	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2022	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2023	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2024	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2025	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2026	8.9%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
	2027	8.8%	7.4%	7.8%	7.6%	8.4%	8.8%	9.4%	10.1%	8.9%	8.3%	7.1%	7.4%	100.0%
Avg.	2008-2017	8.1%	7.2%	7.4%	7.5%	8.9%	9.1%	9.6%	10.2%	9.4%	8.1%	6.9%	7.6%	100.0%
	2018-2027	8.7%	7.2%	7.6%	7.5%	8.3%	8.7%	9.3%	9.9%	8.8%	8.7%	7.5%	7.8%	100.0%

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FMPA 2018 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	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	5.0	4.2	4.5	6.0	6.1
	2017	5.2	4.2	4.8	5.5	5.6	5.6	5.6	6.1	5.8	5.3	4.2	5.0	5.2	6.1
Projected	2018	6.5	5.8	4.5	4.8	5.4	5.7	5.5	6.0	5.8	5.2	4.2	5.0	6.5	6.0
	2019	6.5	5.8	4.5	4.8	5.4	5.6	6.1	5.9	5.2	5.2	7.9	9.5	6.5	6.1
	2020	12.3	11.0	8.4	9.1	10.2	10.8	10.5	11.4	11.0	9.8	8.0	9.5	12.3	11.4
	2021	12.4	11.0	8.5	9.2	10.2	10.9	10.6	11.5	11.1	9.9	8.0	9.6	12.4	11.5
	2022	12.5	11.1	8.6	9.3	10.3	11.0	10.7	11.6	11.2	10.0	8.1	9.7	12.5	11.6
	2023	12.6	11.2	8.7	9.4	10.4	11.1	10.8	11.7	11.3	10.1	8.2	9.8	12.6	11.7
	2024	12.7	11.3	8.7	9.5	10.5	11.2	10.9	11.8	11.4	10.2	8.2	9.9	12.7	11.8
	2025	12.8	11.4	8.8	9.5	10.6	11.3	11.0	11.9	11.5	10.3	8.3	10.0	12.8	11.9
	2026	12.9	11.5	8.9	9.6	10.7	11.4	11.1	12.0	11.6	10.4	8.4	10.1	12.9	12.0
	2027	13.1	11.6	9.0	9.7	10.8	11.5	11.1	12.1	11.7	10.4	8.4	10.1	13.1	12.1
Projected	2028	13.2	11.7	9.0	9.8	10.9	11.6	11.2	12.2	11.8	10.5	8.5	10.2	13.2	12.2
	2029	13.3	11.8	9.1	9.9	11.0	11.7	11.3	12.3	11.9	10.6	8.6	10.3	13.3	12.3
	2030	13.4	11.9	9.2	9.9	11.1	11.7	11.4	12.4	12.0	10.7	8.7	10.4	13.4	12.4
	2031	13.5	12.0	9.3	10.0	11.2	11.8	11.5	12.5	12.1	10.8	8.7	10.5	13.5	12.5
	2032	13.6	12.1	9.3	10.1	11.2	11.9	11.6	12.6	12.2	10.9	8.8	10.6	13.6	12.6
	2033	13.7	12.2	9.4	10.2	11.3	12.0	11.7	12.7	12.3	11.0	8.9	10.7	13.7	12.7
	2034	13.8	12.3	9.5	10.3	11.4	12.1	11.8	12.9	12.4	11.1	8.9	10.7	13.8	12.9
	2035	13.9	12.4	9.6	10.4	11.5	12.2	11.9	13.0	12.5	11.2	9.0	10.8	13.9	13.0
	2036	14.1	12.5	9.6	10.4	11.6	12.3	12.0	13.1	12.6	11.2	9.1	10.9	14.1	13.1
	2037	14.2	12.6	9.7	10.5	11.7	12.4	12.1	13.2	12.7	11.3	9.2	11.0	14.2	13.2

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	53.5%	51.7%	54.0%	47.1%	46.6%
	2017	46.4%	56.8%	50.3%	47.0%	60.4%	52.5%	59.5%	58.6%	55.6%	53.7%	57.9%	52.1%	54.4%	46.1%
Projected	2018	44.7%	46.5%	57.2%	51.7%	59.5%	53.2%	60.3%	57.4%	54.1%	54.4%	58.1%	52.0%	44.3%	47.6%
	2019	44.8%	46.6%	57.3%	51.8%	59.6%	53.3%	60.4%	57.5%	54.2%	100.5%	57.3%	51.2%	52.9%	57.0%
	2020	46.2%	46.3%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.2%	44.3%	47.6%
	2021	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.1%	44.3%	47.6%
	2022	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.1%	44.3%	47.6%
	2023	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.2%	44.3%	47.6%
	2024	46.1%	46.3%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.2%	44.3%	47.6%
	2025	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.2%	51.2%	44.3%	47.6%
	2026	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.3%	51.2%	44.3%	47.6%
	2027	46.1%	48.0%	59.3%	53.5%	58.6%	52.3%	59.3%	56.6%	53.3%	53.8%	57.3%	51.2%	44.3%	47.6%
Avg.	2008-2017	44.8%	45.5%	52.7%	52.0%	60.8%	54.7%	60.5%	57.6%	56.8%	52.9%	52.0%	54.4%	44.3%	47.7%
	2018-2027	45.9%	47.4%	58.9%	53.1%	58.8%	52.5%	59.5%	56.7%	53.5%	58.5%	57.3%	51.2%	45.1%	48.6%

FMPA 2018 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	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	4.8	4.0	3.2	5.1	5.6
	2017	5.2	3.9	4.1	5.0	5.2	5.4	5.5	6.1	5.8	5.2	4.0	4.1	4.1	6.1
Projected	2018	6.5	5.7	3.9	4.4	5.0	5.4	5.2	5.5	5.5	5.1	4.1	4.2	6.5	5.5
	2019	6.5	5.7	4.0	4.5	5.0	5.4	5.3	5.6	5.5	5.1	7.7	7.8	6.5	5.6
	2020	12.3	10.8	7.4	8.4	9.4	10.3	9.9	10.5	10.5	9.6	7.7	7.9	12.3	10.5
	2021	12.4	10.9	7.5	8.5	9.5	10.4	10.0	10.6	10.5	9.7	7.8	8.0	12.4	10.6
	2022	12.5	11.0	7.6	8.6	9.6	10.5	10.1	10.6	10.6	9.8	7.9	8.0	12.5	10.6
	2023	12.6	11.1	7.6	8.6	9.7	10.6	10.1	10.7	10.7	9.9	7.9	8.1	12.6	10.7
	2024	12.7	11.2	7.7	8.7	9.7	10.7	10.2	10.8	10.8	10.0	8.0	8.2	12.7	10.8
	2025	12.8	11.3	7.8	8.8	9.8	10.7	10.3	10.9	10.9	10.1	8.1	8.3	12.8	10.9
	2026	12.9	11.4	7.8	8.9	9.9	10.8	10.4	11.0	11.0	10.2	8.2	8.3	12.9	11.0
	2027	13.1	11.5	7.9	8.9	10.0	10.9	10.2	11.1	11.0	10.2	8.2	8.4	13.1	11.1
Projected	2028	13.2	11.6	8.0	9.0	10.1	11.0	10.6	11.2	11.2	10.3	8.3	8.5	13.2	11.2
	2029	13.3	11.7	8.0	9.1	10.2	11.1	10.7	11.3	11.3	10.4	8.4	8.5	13.3	11.3
	2030	13.4	11.8	8.1	9.2	10.3	11.2	10.8	11.4	11.4	10.5	8.4	8.6	13.4	11.4
	2031	13.5	11.8	8.2	9.2	10.3	11.3	10.9	11.5	11.5	10.6	8.5	8.7	13.5	11.5
	2032	13.6	11.9	8.2	9.3	10.4	11.4	11.0	11.6	11.6	10.7	8.6	8.7	13.6	11.6
	2033	13.7	12.0	8.3	9.4	10.5	11.5	11.0	11.7	11.7	10.8	8.6	8.8	13.7	11.7
	2034	13.8	12.1	8.4	9.5	10.6	11.6	11.1	11.8	11.8	10.9	8.7	8.9	13.8	11.8
	2035	13.9	12.2	8.4	9.5	10.7	11.7	11.2	11.9	11.9	10.9	8.8	9.0	13.9	11.9
	2036	14.1	12.3	8.5	9.6	10.8	11.8	11.3	12.0	12.0	11.0	8.8	9.0	14.1	12.0
	2037	14.2	12.4	8.6	9.7	10.8	11.9	11.4	12.1	12.0	11.1	8.9	9.1	14.2	12.1

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	100.0%	100.0%	94.5%	96.4%	98.1%	94.6%	93.9%	87.3%	92.0%	97.3%	95.3%	71.0%	85.9%	92.1%
	2017	100.0%	92.4%	85.6%	91.3%	93.7%	96.4%	97.9%	100.0%	99.6%	98.1%	97.3%	82.7%	79.3%	100.0%
Projected	2018	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2019	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2020	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2021	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2022	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2023	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2024	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2025	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2026	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2027	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%
	2008-2017	98.3%	98.2%	89.6%	91.8%	89.9%	95.6%	95.1%	92.2%	95.1%	94.7%	89.3%	85.9%	94.4%	93.1%
	2018-2027	100.0%	98.5%	88.2%	92.1%	92.6%	95.4%	94.3%	91.7%	94.8%	98.1%	97.3%	82.7%	100.0%	91.7%

FMPA 2018 Load Forecast - Base Case - Bushnell
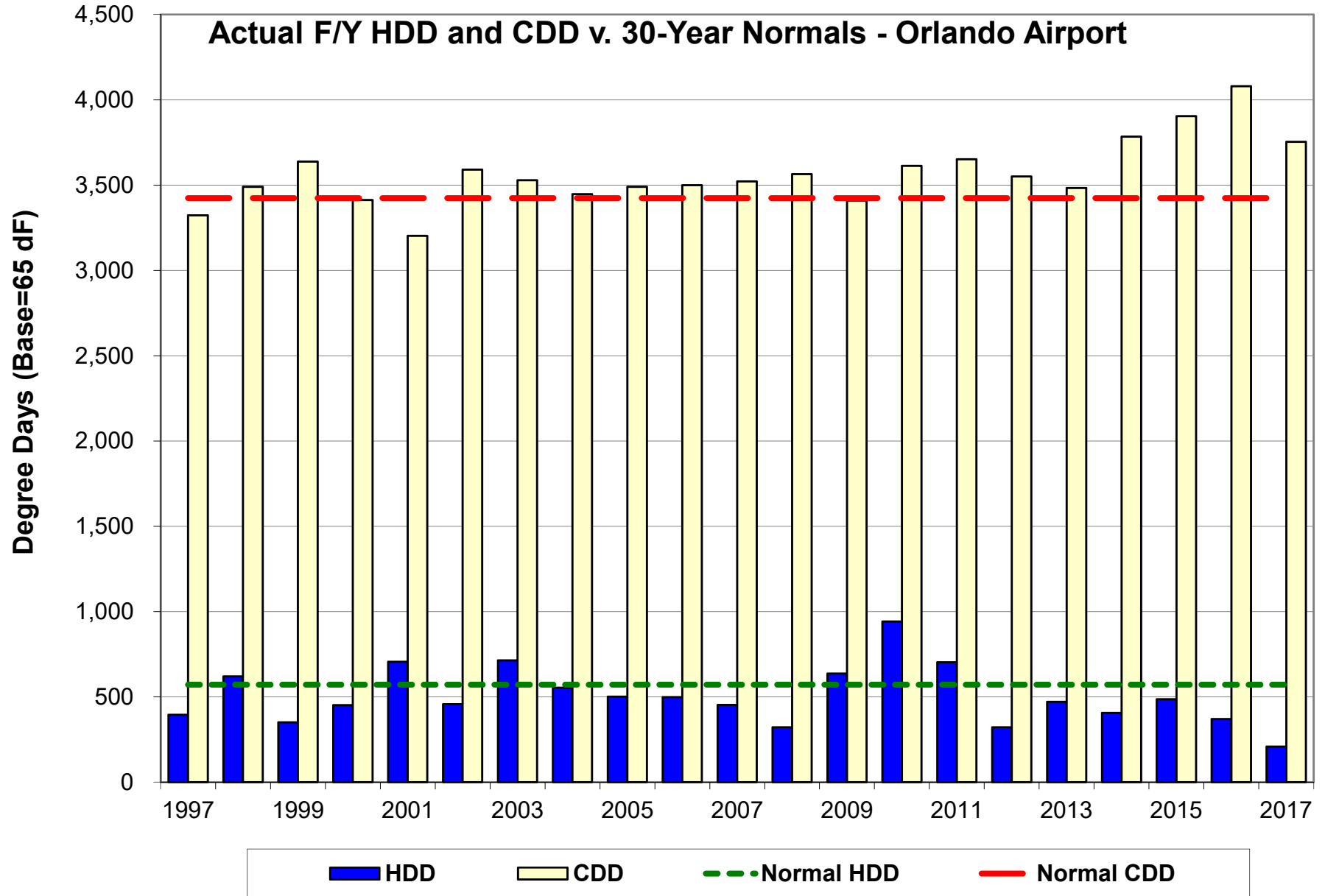
Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	8,428		749		11,260		14,453		285		50.7		22,881		941	4.0%	23,822	
	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	6.1%	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	3.4%	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	5.1%	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	4.4%	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	3.2%	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	3.9%	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	4.8%	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	3.6%	24,927	2.8%
	2017	8,211	-5.1%	766	1.4%	10,719	-6.4%	14,987	-2.5%	287	2.0%	52.3	-4.5%	23,198	-3.4%	1,136	4.7%	24,334	-2.4%
Projected	2018	8,921	8.6%	772	0.7%	11,562	7.9%	15,215	1.5%	288	0.4%	52.9	1.1%	24,135	4.0%	1,000	4.0%	25,136	3.3%
	2019	8,965	0.5%	773	0.1%	11,603	0.4%	15,334	0.8%	290	0.7%	52.9	0.1%	24,299	0.7%	1,008	4.0%	25,307	0.7%
	2020	16,840	87.8%	1,620	109.6%	10,397	-10.4%	28,837	88.1%	545	88.0%	52.9	0.0%	45,677	88.0%	1,895	4.0%	47,572	88.0%
	2021	16,951	0.7%	1,626	0.4%	10,426	0.3%	29,096	0.9%	548	0.6%	53.1	0.3%	46,047	0.8%	1,910	4.0%	47,957	0.8%
	2022	17,079	0.8%	1,632	0.4%	10,468	0.4%	29,369	0.9%	551	0.6%	53.3	0.4%	46,449	0.9%	1,927	4.0%	48,376	0.9%
	2023	17,216	0.8%	1,637	0.4%	10,515	0.4%	29,645	0.9%	554	0.5%	53.5	0.4%	46,861	0.9%	1,944	4.0%	48,806	0.9%
	2024	17,356	0.8%	1,643	0.4%	10,563	0.5%	29,921	0.9%	557	0.5%	53.8	0.4%	47,277	0.9%	1,961	4.0%	49,238	0.9%
	2025	17,494	0.8%	1,649	0.3%	10,611	0.5%	30,197	0.9%	559	0.5%	54.0	0.4%	47,691	0.9%	1,978	4.0%	49,670	0.9%
	2026	17,633	0.8%	1,654	0.3%	10,660	0.5%	30,473	0.9%	562	0.5%	54.2	0.4%	48,107	0.9%	1,996	4.0%	50,103	0.9%
	2027	17,772	0.8%	1,660	0.3%	10,708	0.5%	30,748	0.9%	565	0.5%	54.4	0.4%	48,520	0.9%	2,013	4.0%	50,533	0.9%
	2028	17,910	0.8%	1,665	0.3%	10,756	0.4%	31,023	0.9%	567	0.5%	54.7	0.4%	48,934	0.9%	2,030	4.0%	50,964	0.9%
	2029	18,049	0.8%	1,671	0.3%	10,804	0.4%	31,299	0.9%	570	0.5%	54.9	0.4%	49,348	0.8%	2,047	4.0%	51,395	0.8%
	2030	18,188	0.8%	1,676	0.3%	10,852	0.4%	31,575	0.9%	573	0.4%	55.1	0.4%	49,762	0.8%	2,064	4.0%	51,827	0.8%
	2031	18,324	0.8%	1,681	0.3%	10,899	0.4%	31,850	0.9%	575	0.4%	55.4	0.4%	50,174	0.8%	2,081	4.0%	52,255	0.8%
	2032	18,457	0.7%	1,687	0.3%	10,943	0.4%	32,123	0.9%	578	0.4%	55.6	0.4%	50,580	0.8%	2,098	4.0%	52,678	0.8%
	2033	18,590	0.7%	1,692	0.3%	10,987	0.4%	32,397	0.9%	580	0.4%	55.9	0.4%	50,987	0.8%	2,115	4.0%	53,102	0.8%
	2034	18,724	0.7%	1,697	0.3%	11,032	0.4%	32,672	0.8%	582	0.4%	56.1	0.4%	51,396	0.8%	2,132	4.0%	53,527	0.8%
	2035	18,860	0.7%	1,703	0.3%	11,077	0.4%	32,949	0.8%	585	0.4%	56.3	0.4%	51,809	0.8%	2,149	4.0%	53,958	0.8%
	2036	18,998	0.7%	1,708	0.3%	11,124	0.4%	33,228	0.8%	587	0.4%	56.6	0.4%	52,225	0.8%	2,166	4.0%	54,392	0.8%
	2037	19,131	0.7%	1,713	0.3%	11,167	0.4%	33,505	0.8%	590	0.4%	56.8	0.4%	52,636	0.8%	2,183	4.0%	54,819	0.8%
CAGR	2008-2017		-0.3%		0.3%		-0.5%		0.4%		0.1%		0.3%		0.2%		4.3%		0.2%
	2018-2027		8.0%		8.9%		-0.8%		8.1%		7.8%		0.3%		8.1%		4.0%		8.1%
	2028-2037		0.7%		0.3%		0.4%		0.9%		0.4%		0.4%		0.8%		4.0%		0.8%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	46.6	-	17.9	-	12.1	-	0.89	-	642	-	841	-	46,925	-
1998	48.8	4.6%	19.1	6.3%	12.6	3.9%	0.84	-5.9%	674	5.0%	905	7.6%	47,482	1.2%
1999	51.7	6.1%	20.5	7.4%	12.8	1.8%	0.85	1.1%	706	4.8%	968	7.0%	47,298	-0.4%
2000	53.7	3.9%	20.9	2.1%	13.3	3.9%	0.88	3.9%	714	1.1%	1,007	4.0%	48,214	1.9%
2001	55.8	3.8%	22.8	9.2%	14.1	5.5%	0.90	1.6%	850	19.1%	1,129	12.1%	49,505	2.7%
2002	59.5	6.7%	24.9	9.1%	15.5	10.0%	0.93	3.5%	929	9.2%	1,241	9.9%	49,883	0.8%
2003	61.9	4.0%	26.6	7.0%	18.2	17.4%	1.09	17.4%	1,135	22.2%	1,423	14.6%	53,447	7.1%
2004	64.5	4.1%	28.0	5.3%	20.1	10.4%	1.13	3.9%	1,186	4.4%	1,564	9.9%	55,828	4.5%
2005	69.3	7.5%	30.4	8.6%	24.1	20.1%	1.13	0.0%	1,431	20.7%	1,806	15.5%	59,398	6.4%
2006	76.2	10.0%	33.5	10.1%	26.6	10.6%	1.52	34.7%	1,632	14.1%	2,092	15.8%	62,516	5.3%
2007	82.1	7.7%	36.3	8.4%	27.8	4.3%	1.45	-4.8%	1,718	5.3%	2,262	8.1%	62,370	-0.2%
2008	86.4	5.3%	38.2	5.3%	28.5	2.4%	1.36	-6.5%	1,709	-0.5%	2,460	8.7%	64,403	3.3%
2009	90.6	4.9%	40.0	4.7%	29.5	3.5%	1.16	-14.5%	1,838	7.5%	2,570	4.5%	64,270	-0.2%
2010	94.3	4.0%	41.8	4.5%	30.9	4.9%	1.03	-11.4%	1,922	4.6%	2,767	7.7%	66,252	3.1%
2011	98.6	4.6%	43.9	5.1%	32.8	6.3%	1.01	-1.3%	2,052	6.7%	3,173	14.7%	72,284	9.1%
2012	102.8	4.3%	45.0	2.5%	34.5	5.2%	1.04	2.8%	2,112	2.9%	3,496	10.2%	77,694	7.5%
2013	108.3	5.3%	46.2	2.7%	37.1	7.5%	1.20	15.0%	2,260	7.0%	3,722	6.5%	80,562	3.7%
2014	114.0	5.3%	47.3	2.5%	39.0	5.1%	1.23	2.9%	2,271	0.5%	3,964	6.5%	83,736	3.9%
2015	118.9	4.3%	48.7	3.0%	40.3	3.2%	1.30	5.3%	2,359	3.9%	4,235	6.8%	86,868	3.7%
2016	122.7	3.2%	50.7	3.9%	41.5	3.1%	1.31	0.9%	2,612	10.7%	4,444	4.9%	87,709	1.0%
2017	126.9	3.4%	52.6	3.9%	43.1	3.8%	1.32	0.8%	2,724	4.3%	4,675	5.2%	88,796	1.2%
2018	131.1	3.3%	54.6	3.7%	44.5	3.4%	1.33	0.7%	2,838	4.2%	4,915	5.1%	90,045	1.4%
2019	135.4	3.3%	56.5	3.5%	45.9	3.0%	1.34	0.6%	2,955	4.1%	5,162	5.0%	91,374	1.5%
2020	139.7	3.2%	58.4	3.4%	47.2	3.0%	1.35	0.6%	3,073	4.0%	5,419	5.0%	92,784	1.5%
2021	144.1	3.1%	60.3	3.3%	48.5	2.7%	1.35	0.5%	3,193	3.9%	5,683	4.9%	94,218	1.5%
2022	148.5	3.1%	62.2	3.1%	49.9	2.9%	1.36	0.5%	3,315	3.8%	5,957	4.8%	95,834	1.7%
2023	153.1	3.0%	64.0	3.0%	51.3	2.8%	1.36	0.3%	3,439	3.7%	6,242	4.8%	97,507	1.7%
2024	157.7	3.0%	65.9	2.9%	52.6	2.6%	1.37	0.4%	3,567	3.7%	6,533	4.7%	99,189	1.7%
2025	162.4	3.0%	67.7	2.8%	54.0	2.6%	1.37	0.3%	3,699	3.7%	6,837	4.6%	100,936	1.8%
2026	167.1	2.9%	69.6	2.7%	55.3	2.4%	1.38	0.3%	3,831	3.6%	7,144	4.5%	102,690	1.7%
2027	171.8	2.8%	71.4	2.7%	56.6	2.3%	1.38	0.3%	3,968	3.6%	7,460	4.4%	104,454	1.7%
2028	176.6	2.8%	73.3	2.6%	57.9	2.3%	1.38	0.2%	4,107	3.5%	7,786	4.4%	106,243	1.7%
2029	181.5	2.8%	75.2	2.6%	59.2	2.3%	1.39	0.2%	4,248	3.4%	8,121	4.3%	108,064	1.7%
2030	186.5	2.7%	77.0	2.5%	60.7	2.4%	1.39	0.2%	4,394	3.4%	8,465	4.2%	109,888	1.7%
2031	191.5	2.7%	78.9	2.4%	62.0	2.2%	1.39	0.2%	4,541	3.3%	8,811	4.1%	111,654	1.6%
2032	196.6	2.7%	80.8	2.4%	63.4	2.3%	1.40	0.2%	4,692	3.3%	9,166	4.0%	113,433	1.6%
2033	201.8	2.6%	82.7	2.4%	64.8	2.2%	1.40	0.2%	4,848	3.3%	9,531	4.0%	115,235	1.6%
2034	207.1	2.6%	84.6	2.3%	66.2	2.1%	1.40	0.2%	5,006	3.3%	9,910	4.0%	117,076	1.6%
2035	212.4	2.6%	86.6	2.3%	67.6	2.1%	1.41	0.2%	5,167	3.2%	10,306	4.0%	119,014	1.7%
2036	217.7	2.5%	88.6	2.3%	69.0	2.1%	1.41	0.2%	5,329	3.1%	10,707	3.9%	120,915	1.6%
2037	223.1	2.5%	90.6	2.3%	70.3	2.0%	1.41	0.2%	5,495	3.1%	11,113	3.8%	122,676	1.5%
Average Percent Change														
2007-2017		4.4%		3.8%		4.5%		-0.9%		4.7%		7.5%		3.6%
2018-2027		3.0%		3.0%		2.7%		0.4%		3.8%		4.7%		1.7%
2028-2037		2.6%		2.4%		2.2%		0.2%		3.3%		4.1%		1.6%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Orlando Airport

FMPA 2018 Load Forecast - Base Case
Clewiston
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	119,914	-	117,921	-	-1.7%	23.2	-	21.6	-	-7.2%	23.8	-	24.8		4.0%
	2009	110,751	-7.6%	109,967	-6.7%	-0.7%	21.7	-6.4%	19.4	-9.8%	-10.6%	26.2	10.2%	20.0	-19.2%	-23.8%
	2010	111,347	0.5%	105,471	-4.1%	-5.3%	25.6	18.0%	20.5	5.2%	-20.3%	21.9	-16.6%	21.2	6.0%	-3.1%
	2011	108,348	-2.7%	101,483	-3.8%	-6.3%	23.5	-8.2%	22.6	10.7%	-3.8%	20.3	-7.2%	20.2	-4.6%	-0.4%
	2012	103,126	-4.8%	101,652	0.2%	-1.4%	19.3	-18.2%	18.7	-17.4%	-2.9%	19.7	-2.9%	21.4	5.8%	8.6%
	2013	100,568	-2.5%	99,535	-2.1%	-1.0%	14.9	-22.9%	14.5	-22.4%	-2.3%	19.8	0.4%	20.0	-6.6%	1.1%
	2014	104,563	4.0%	100,509	1.0%	-3.9%	15.9	7.1%	17.9	23.7%	12.8%	21.4	8.2%	21.9	9.7%	2.5%
	2015	105,534	0.9%	101,613	1.1%	-3.7%	26.8	68.6%	16.3	-9.3%	-39.3%	21.3	-0.6%	20.0	-9.0%	-6.1%
	2016	109,324	3.6%	102,565	0.9%	-6.2%	18.8	-29.7%	17.8	9.5%	-5.5%	21.1	-0.9%	22.1	10.8%	4.9%
	2017	106,621	-2.5%	102,606	0.0%	-3.8%	16.7	-11.3%	15.3	-14.2%	-8.5%	22.4	6.2%	21.7	-2.0%	-3.1%
Projected	2018	104,489	-2.0%	104,489	1.8%		16.5	-1.0%	16.5	8.2%		21.0	-6.1%	21.0	-3.0%	
	2019			104,415	-0.1%				16.6	0.3%				21.1	0.3%	
	2020			104,789	0.4%				16.6	0.4%				21.2	0.4%	
	2021			105,197	0.4%				16.7	0.4%				21.2	0.4%	
	2022			105,604	0.4%				16.8	0.4%				21.3	0.4%	
	2023			106,014	0.4%				16.8	0.4%				21.4	0.4%	
	2024			106,429	0.4%				16.9	0.4%				21.5	0.4%	
	2025			106,838	0.4%				17.0	0.4%				21.6	0.4%	
	2026			107,214	0.4%				17.0	0.3%				21.6	0.3%	
	2027			107,533	0.3%				17.1	0.3%				21.7	0.3%	
	2028			107,833	0.3%				17.1	0.3%				21.8	0.3%	
	2029			108,133	0.3%				17.2	0.3%				21.8	0.3%	
	2030			108,433	0.3%				17.2	0.3%				21.9	0.3%	
	2031			108,742	0.3%				17.3	0.3%				21.9	0.3%	
	2032			109,082	0.3%				17.3	0.3%				22.0	0.3%	
	2033			109,419	0.3%				17.4	0.3%				22.1	0.3%	
	2034			109,731	0.3%				17.4	0.3%				22.1	0.3%	
	2035			110,030	0.3%				17.5	0.3%				22.2	0.3%	
	2036			110,339	0.3%				17.5	0.3%				22.3	0.3%	
	2037			110,656	0.3%				17.6	0.3%				22.3	0.3%	
CAGR [3]	2008-2017		-1.3%		-1.5%			-3.6%		-3.7%			-0.7%		-1.5%	
	2018-2027				0.3%					0.4%					0.4%	
	2028-2037				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

FMPA 2018 Load Forecast - Base Case
Clewiston
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	Net Energy for Load (FY) Current (MWh)	Current Yearly % Change	Previous (MWh)	Previous Yearly % Change	NCP Demand Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)	CP w/ARP Seasonal CP Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)
Historical	2008	119,914	-	119,914	-	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%	109,324	3.6%	19.4	25.6	19.4	25.6	18.8	21.1	15.6	21.1
	2017	106,621	-2.5%	104,357	-4.5%	21.3	26.7	21.8	25.8	16.7	22.4	16.2	21.9
Projected	2018	104,489	-2.0%	104,582	0.2%	21.8	26.3	21.9	26.0	16.5	21.0	16.3	22.0
	2019	104,415	-0.1%	105,009	0.4%	21.9	26.4	21.9	26.1	16.6	21.1	16.3	22.1
	2020	104,789	0.4%	105,398	0.4%	22.0	26.5	22.0	26.1	16.6	21.2	16.4	22.2
	2021	105,197	0.4%	105,762	0.3%	22.0	26.6	22.1	26.2	16.7	21.2	16.4	22.2
	2022	105,604	0.4%	106,140	0.4%	22.1	26.7	22.2	26.3	16.8	21.3	16.5	22.3
	2023	106,014	0.4%	106,456	0.3%	22.2	26.8	22.2	26.4	16.8	21.4	16.5	22.4
	2024	106,429	0.4%	106,756	0.3%	22.3	26.9	22.3	26.5	16.9	21.5	16.6	22.4
	2025	106,838	0.4%	107,013	0.2%	22.4	27.0	22.4	26.5	17.0	21.6	16.6	22.5
	2026	107,214	0.4%	107,242	0.2%	22.5	27.1	22.4	26.6	17.0	21.6	16.7	22.5
	2027	107,533	0.3%	107,520	0.3%	22.5	27.2	22.5	26.7	17.1	21.7	16.7	22.6
	2028	107,833	0.3%	107,797	0.3%	22.6	27.2	22.5	26.7	17.1	21.8	16.7	22.7
	2029	108,133	0.3%	108,069	0.3%	22.7	27.3	22.6	26.8	17.2	21.8	16.8	22.7
	2030	108,433	0.3%	108,334	0.2%	22.7	27.4	22.6	26.9	17.2	21.9	16.8	22.8
	2031	108,742	0.3%	108,589	0.2%	22.8	27.5	22.7	26.9	17.3	21.9	16.9	22.8
	2032	109,082	0.3%	108,848	0.2%	22.9	27.5	22.7	27.0	17.3	22.0	16.9	22.9
	2033	109,419	0.3%	109,086	0.2%	22.9	27.6	22.8	27.1	17.4	22.1	16.9	22.9
	2034	109,731	0.3%	109,304	0.2%	23.0	27.7	22.8	27.1	17.4	22.1	17.0	23.0
	2035	110,030	0.3%	109,577	0.3%	23.1	27.8	22.9	27.2	17.5	22.2	17.0	23.0
	2036	110,339	0.3%	109,856	0.3%	23.1	27.9	23.0	27.3	17.5	22.3	17.1	23.1
	2037	110,656	0.3%			23.2	27.9			17.6	22.3		
CAGR [1]	Historical		-1.3%		-1.1%	-3.3%	-0.1%	-4.8%	-0.6%	-3.2%	-2.0%	-4.6%	-3.1%
	1st 10 Prj Yrs		0.3%		0.3%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%
	2nd 10 Prj Yrs		0.3%		0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	9,632	7,222	7,850	107,682	109,324
	2017	7,274	6,797	7,584	8,437	9,976	10,216	10,609	11,124	9,901	9,995	7,514	7,443	106,870	106,621
Projected	2018	7,050	7,206	7,640	8,177	9,277	10,119	9,808	10,736	9,523	9,663	7,544	7,464	104,208	104,489
	2019	7,071	7,226	7,660	8,199	9,301	10,144	9,831	10,764	9,547	9,689	7,566	7,487	104,485	104,415
	2020	7,094	7,251	7,688	8,230	9,338	10,184	9,868	10,808	9,586	9,729	7,597	7,517	104,890	104,789
	2021	7,123	7,281	7,719	8,263	9,373	10,222	9,903	10,848	9,623	9,766	7,626	7,547	105,293	105,197
	2022	7,150	7,309	7,749	8,296	9,410	10,262	9,939	10,890	9,660	9,804	7,656	7,576	105,700	105,604
	2023	7,177	7,337	7,780	8,329	9,447	10,302	9,976	10,933	9,697	9,842	7,686	7,605	106,111	106,014
	2024	7,205	7,366	7,811	8,363	9,484	10,342	10,013	10,977	9,735	9,880	7,715	7,634	106,527	106,429
	2025	7,233	7,395	7,841	8,396	9,521	10,382	10,050	11,019	9,772	9,917	7,744	7,663	106,932	106,838
	2026	7,260	7,422	7,870	8,426	9,554	10,417	10,082	11,055	9,804	9,948	7,768	7,686	107,292	107,214
	2027	7,281	7,444	7,893	8,452	9,583	10,448	10,110	11,088	9,832	9,977	7,790	7,707	107,604	107,533
Projected	2028	7,302	7,464	7,915	8,476	9,609	10,477	10,137	11,119	9,860	10,004	7,811	7,728	107,903	107,833
	2029	7,322	7,485	7,937	8,500	9,636	10,506	10,164	11,151	9,887	10,032	7,833	7,750	108,204	108,133
	2030	7,342	7,506	7,960	8,524	9,663	10,535	10,191	11,182	9,915	10,059	7,854	7,770	108,502	108,433
	2031	7,362	7,527	7,982	8,549	9,691	10,566	10,220	11,216	9,945	10,090	7,879	7,794	108,821	108,742
	2032	7,385	7,550	8,007	8,576	9,722	10,599	10,251	11,252	9,976	10,122	7,903	7,819	109,163	109,082
	2033	7,408	7,574	8,033	8,603	9,752	10,632	10,281	11,287	10,006	10,152	7,927	7,842	109,495	109,419
	2034	7,429	7,595	8,056	8,628	9,780	10,662	10,308	11,319	10,034	10,179	7,948	7,862	109,801	109,731
	2035	7,449	7,616	8,078	8,652	9,807	10,691	10,335	11,350	10,061	10,207	7,970	7,884	110,101	110,030
	2036	7,470	7,637	8,101	8,677	9,835	10,721	10,364	11,383	10,090	10,236	7,993	7,907	110,413	110,339
	2037	7,491	7,659	8,124	8,703	9,863	10,752	10,392	11,416	10,119	10,265	8,015	7,929	110,730	110,656

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	6.4%	6.1%	7.2%	7.7%	8.9%	10.2%	10.5%	10.4%	9.7%	8.9%	6.7%	7.3%	100.0%
	2017	6.8%	6.4%	7.1%	7.9%	9.3%	9.6%	9.9%	10.4%	9.3%	9.4%	7.0%	7.0%	100.0%
Projected	2018	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2019	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2020	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2021	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2022	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2023	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2024	6.8%	6.9%	7.3%	7.9%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2025	6.8%	6.9%	7.3%	7.9%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2026	6.8%	6.9%	7.3%	7.9%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
	2027	6.8%	6.9%	7.3%	7.9%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%
Avg.	2008-2017	7.0%	6.5%	7.2%	7.9%	9.3%	10.1%	9.7%	10.1%	9.4%	8.8%	7.0%	7.1%	100.0%
	2018-2027	6.8%	6.9%	7.3%	7.8%	8.9%	9.7%	9.4%	10.3%	9.1%	9.3%	7.2%	7.2%	100.0%

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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	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	21.2	21.2	24.4	19.4	16.5	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	26.0	16.0	16.9	19.4	25.6
	2017	21.3	19.3	16.8	20.0	21.2	25.8	26.7	23.9	22.0	24.1	21.8	15.2	21.3	26.7
Projected	2018	19.1	16.1	17.2	19.0	20.1	26.3	21.1	22.3	21.8	23.7	21.9	15.3	21.8	26.3
	2019	19.1	16.2	17.3	19.1	20.2	26.4	21.1	22.4	21.9	23.8	22.0	15.3	21.9	26.4
	2020	19.2	16.2	17.3	19.2	20.2	26.5	21.2	22.5	22.0	23.8	22.0	15.4	22.0	26.5
	2021	19.3	16.3	17.4	19.2	20.3	26.6	21.3	22.6	22.0	23.9	22.1	15.5	22.0	26.6
	2022	19.4	16.3	17.5	19.3	20.4	26.7	21.4	22.6	22.1	24.0	22.2	15.5	22.1	26.7
	2023	19.4	16.4	17.5	19.4	20.5	26.8	21.4	22.7	22.2	24.1	22.3	15.6	22.2	26.8
	2024	19.5	16.5	17.6	19.4	20.6	26.9	21.5	22.8	22.3	24.2	22.4	15.6	22.3	26.9
	2025	19.6	16.5	17.7	19.5	20.6	27.0	21.6	22.9	22.4	24.3	22.5	15.7	22.4	27.0
	2026	19.6	16.6	17.7	19.6	20.7	27.1	21.7	23.0	22.5	24.4	22.5	15.7	22.5	27.1
	2027	19.7	16.6	17.8	19.6	20.8	27.2	21.7	23.0	22.5	24.5	22.6	15.8	22.5	27.2
Projected	2028	19.8	16.7	17.8	19.7	20.8	27.2	21.8	23.1	22.6	24.5	22.7	15.8	22.6	27.2
	2029	19.8	16.7	17.9	19.8	20.9	27.3	21.9	23.2	22.6	24.6	22.7	15.9	22.7	27.3
	2030	19.9	16.8	17.9	19.8	20.9	27.4	21.9	23.2	22.7	24.7	22.8	15.9	22.7	27.4
	2031	19.9	16.8	18.0	19.9	21.0	27.5	22.0	23.3	22.8	24.7	22.9	16.0	22.8	27.5
	2032	20.0	16.9	18.0	19.9	21.1	27.5	22.1	23.4	22.8	24.8	22.9	16.0	22.9	27.5
	2033	20.1	16.9	18.1	20.0	21.1	27.6	22.1	23.5	22.9	24.9	23.0	16.0	22.9	27.6
	2034	20.1	17.0	18.1	20.0	21.2	27.7	22.2	23.5	23.0	25.0	23.1	16.1	23.0	27.7
	2035	20.2	17.0	18.2	20.1	21.3	27.8	22.2	23.6	23.0	25.0	23.1	16.1	23.1	27.8
	2036	20.2	17.1	18.2	20.2	21.3	27.9	22.3	23.6	23.1	25.1	23.2	16.2	23.1	27.9
	2037	20.3	17.1	18.3	20.2	21.4	27.9	22.4	23.7	23.2	25.2	23.3	16.2	23.2	27.9

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	62.3%	60.8%	58.8%	54.4%	68.1%	57.5%	65.2%	66.3%	57.6%	49.8%	60.8%	64.5%	63.4%	48.1%
	2017	45.8%	52.5%	60.6%	56.7%	69.9%	53.3%	55.1%	62.6%	62.6%	55.7%	46.3%	67.9%	57.2%	45.6%
Projected	2018	49.7%	66.6%	59.6%	57.8%	68.6%	51.7%	64.7%	64.7%	60.6%	54.8%	46.3%	67.9%	54.5%	45.2%
	2019	49.7%	66.6%	59.6%	57.8%	68.6%	51.7%	64.7%	64.6%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2020	49.6%	64.2%	59.6%	57.8%	68.6%	51.7%	64.7%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2021	49.6%	66.6%	59.6%	57.8%	68.6%	51.7%	64.7%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2022	49.6%	66.6%	59.6%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2023	49.6%	66.6%	59.6%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2024	49.6%	64.3%	59.6%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%
	2025	49.6%	66.6%	59.6%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.9%	54.5%	45.2%
	2026	49.7%	66.6%	59.7%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.9%	54.5%	45.2%
	2027	49.7%	66.6%	59.7%	57.8%	68.7%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.9%	54.5%	45.2%
Avg.	2008-2017	52.8%	55.5%	58.1%	58.5%	69.9%	56.6%	64.7%	62.8%	62.1%	56.2%	54.4%	64.7%	54.6%	45.9%
	2018-2027	49.6%	66.1%	59.6%	57.8%	68.6%	51.7%	64.6%	64.7%	60.6%	54.8%	46.3%	67.8%	54.5%	45.2%

FMPA 2018 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	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	18.7	14.1	15.6	18.8	21.1
	2017	11.2	15.1	16.7	18.9	20.5	19.9	20.5	22.4	21.6	21.4	19.5	13.4	16.7	22.4
Projected	2018	16.5	13.3	16.0	18.0	19.1	21.1	18.0	21.0	18.8	21.0	19.6	13.4	16.5	21.0
	2019	16.6	13.3	16.1	18.0	19.2	21.1	18.1	21.1	18.8	21.1	19.6	13.5	16.6	21.1
	2020	16.6	13.4	16.1	18.1	19.2	21.2	18.1	21.2	18.9	21.2	19.7	13.5	16.6	21.2
	2021	16.7	13.4	16.2	18.2	19.3	21.3	18.2	21.2	19.0	21.3	19.8	13.6	16.7	21.2
	2022	16.8	13.5	16.3	18.2	19.4	21.4	18.3	21.3	19.0	21.3	19.9	13.7	16.8	21.3
	2023	16.8	13.5	16.3	18.3	19.4	21.5	18.4	21.4	19.1	21.4	19.9	13.7	16.8	21.4
	2024	16.9	13.6	16.4	18.4	19.5	21.6	18.4	21.5	19.2	21.5	20.0	13.8	16.9	21.5
	2025	17.0	13.6	16.5	18.4	19.6	21.6	18.5	21.6	19.3	21.6	20.1	13.8	17.0	21.6
	2026	17.0	13.7	16.5	18.5	19.7	21.7	18.6	21.6	19.3	21.7	20.1	13.8	17.0	21.6
	2027	17.1	13.7	16.6	18.6	19.7	21.8	18.6	21.7	19.4	21.7	20.2	13.9	17.1	21.7
Projected	2028	17.1	13.8	16.6	18.6	19.8	21.8	18.7	21.8	19.4	21.8	20.3	13.9	17.1	21.8
	2029	17.2	13.8	16.6	18.7	19.8	21.9	18.7	21.8	19.5	21.8	20.3	14.0	17.2	21.8
	2030	17.2	13.8	16.7	18.7	19.9	22.0	18.8	21.9	19.5	21.9	20.4	14.0	17.2	21.9
	2031	17.3	13.9	16.7	18.8	19.9	22.0	18.8	21.9	19.6	22.0	20.4	14.0	17.3	21.9
	2032	17.3	13.9	16.8	18.8	20.0	22.1	18.9	22.0	19.7	22.0	20.5	14.1	17.3	22.0
	2033	17.4	14.0	16.8	18.9	20.1	22.2	18.9	22.1	19.7	22.1	20.6	14.1	17.4	22.1
	2034	17.4	14.0	16.9	18.9	20.1	22.2	19.0	22.1	19.8	22.2	20.6	14.2	17.4	22.1
	2035	17.5	14.1	16.9	19.0	20.2	22.3	19.0	22.2	19.8	22.2	20.7	14.2	17.5	22.2
	2036	17.5	14.1	17.0	19.0	20.2	22.3	19.1	22.3	19.9	22.3	20.7	14.2	17.5	22.3
	2037	17.6	14.1	17.0	19.1	20.3	22.4	19.2	22.3	19.9	22.3	20.8	14.3	17.6	22.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	72.1%	88.4%	92.6%	97.3%	82.4%
	2017	52.6%	78.2%	99.3%	94.3%	96.7%	77.2%	76.5%	93.7%	98.3%	88.8%	89.4%	88.0%	78.3%	83.6%
Projected	2018	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2019	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2020	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2021	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2022	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2023	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2024	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2025	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2026	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2027	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%
	2008-2017	86.6%	85.8%	93.9%	91.7%	93.3%	82.3%	87.9%	90.8%	86.3%	84.4%	85.4%	88.1%	90.4%	81.6%
	2018-2027	86.6%	82.6%	93.1%	94.4%	95.0%	80.2%	85.6%	94.1%	86.1%	88.8%	89.4%	88.0%	75.8%	79.9%

FMPA 2018 Load Forecast - Base Case - Clewiston

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	GS Non-Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	GS Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	US Sugar Sales (MWh)	% Chg	Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	50,957		3,353		15,198		10,249		550		18.6		39,620		116		342		9,958		725		111,509		8,404	7.0%	119,914	
	2009	49,474	-2.9%	3,324	-0.9%	14,884	-2.1%	9,969	-2.7%	523	-5.0%	19.1	2.4%	38,063	-3.9%	116	0.1%	328	-4.0%	5,738	-42.4%	712	-1.8%	103,956	-6.8%	6,795	6.1%	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	7.4%	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	7.6%	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	6.8%	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	8.3%	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	6.6%	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	6.4%	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%	37,937	2.5%	132	1.8%	292	0.7%	2,080	24.1%	406	6.4%	101,547	2.8%	7,777	7.1%	109,324	3.6%
	2017	49,963	-3.2%	3,452	0.6%	14,476	-3.8%	8,953	2.3%	499	5.9%	17.9	-3.4%	37,937	-1.9%	134	1.1%	283	-3.0%	2,023	-2.7%	414	2.0%	99,290	-2.2%	7,331	6.9%	106,621	-2.5%
Projected	2018	49,022	-1.9%	3,474	0.6%	14,112	-2.5%	8,519	-4.8%	505	1.3%	16.9	-6.0%	37,243	-1.8%	132	-1.0%	281	-0.8%	1,975	-2.4%	414	0.0%	97,173	-2.1%	7,316	7.0%	104,489	-2.0%
	2019	48,900	-0.2%	3,483	0.3%	14,039	-0.5%	8,523	0.0%	512	1.4%	16.6	-1.3%	37,294	0.1%	132	-0.4%	283	0.5%	1,975	0.0%	414	0.0%	97,106	-0.1%	7,308	7.0%	104,415	-0.1%
	2020	49,028	0.3%	3,492	0.3%	14,039	0.0%	8,602	0.9%	517	0.9%	16.6	0.0%	37,433	0.4%	133	0.9%	281	-0.6%	1,975	0.0%	414	0.0%	97,453	0.4%	7,336	7.0%	104,789	0.4%
	2021	49,173	0.3%	3,501	0.2%	14,047	0.1%	8,699	1.1%	521	0.7%	16.7	0.4%	37,571	0.4%	135	1.4%	278	-1.0%	1,975	0.0%	414	0.0%	97,833	0.4%	7,364	7.0%	105,197	0.4%
	2022	49,304	0.3%	3,508	0.2%	14,054	0.1%	8,812	1.3%	524	0.6%	16.8	0.7%	37,706	0.4%	137	1.5%	275	-1.1%	1,975	0.0%	414	0.0%	98,211	0.4%	7,393	7.0%	105,604	0.4%
	2023	49,444	0.3%	3,514	0.2%	14,069	0.1%	8,923	1.3%	527	0.5%	16.9	0.7%	37,836	0.3%	139	1.5%	272	-1.2%	1,975	0.0%	414	0.0%	98,592	0.4%	7,422	7.0%	106,014	0.4%
	2024	49,594	0.3%	3,520	0.2%	14,089	0.1%	9,030	1.2%	530	0.5%	17.1	0.7%	37,965	0.3%	141	1.5%	269	-1.1%	1,975	0.0%	414	0.0%	98,978	0.4%	7,452	7.0%	106,429	0.4%
	2025	49,739	0.3%	3,525	0.1%	14,111	0.2%	9,134	1.2%	532	0.5%	17.2	0.7%	38,095	0.3%	143	1.5%	266	-1.1%	1,975	0.0%	414	0.0%	99,357	0.4%	7,480	7.0%	106,838	0.4%
	2026	49,876	0.3%	3,529	0.1%	14,132	0.1%	9,234	1.1%	534	0.4%	17.3	0.6%	38,208	0.3%	145	1.4%	263	-1.1%	1,975	0.0%	414	0.0%	99,707	0.4%	7,507	7.0%	107,214	0.4%
	2027	50,007	0.3%	3,534	0.1%	14,152	0.1%	9,330	1.0%	537	0.4%	17.4	0.6%	38,278	0.2%	147	1.3%	260	-1.1%	1,975	0.0%	414	0.0%	100,004	0.3%	7,529	7.0%	107,533	0.3%
	2028	50,131	0.2%	3,537	0.1%	14,172	0.1%	9,425	1.0%	539	0.4%	17.5	0.6%	38,338	0.2%	149	1.3%	257	-1.1%	1,975	0.0%	414	0.0%	100,283	0.3%	7,550	7.0%	107,833	0.3%
	2029	50,250	0.2%	3,541	0.1%	14,191	0.1%	9,520	1.0%	541	0.4%	17.6	0.6%	38,402	0.2%	151	1.3%	254	-1.1%	1,975	0.0%	414	0.0%	100,561	0.3%	7,572	7.0%	108,133	0.3%
	2030	50,364	0.2%	3,544	0.1%	14,210	0.1%	9,615	1.0%	543	0.4%	17.7	0.6%	38,471	0.2%	153	1.3%	251	-1.1%	1,975	0.0%	414	0.0%	100,840	0.3%	7,593	7.0%	108,433	0.3%
	2031	50,490	0.3%	3,548	0.1%	14,231	0.1%	9,705	0.9%	545	0.4%	17.8	0.6%	38,543	0.2%	155	1.2%	249	-1.0%	1,975	0.0%	414	0.0%	101,127	0.3%	7,615	7.0%	108,742	0.3%
	2032	50,626	0.3%	3,551	0.1%	14,257	0.2%	9,799	1.0%	547	0.4%	17.9	0.6%	38,629	0.2%	157	1.2%	246	-1.0%	1,975	0.0%	414	0.0%	101,443	0.3%	7,639	7.0%	109,082	0.3%
	2033	50,757	0.3%	3,553	0.1%	14,284	0.2%	9,893	1.0%	550	0.4%	18.0	0.6%	38,717	0.2%	159	1.2%	244	-1.0%	1,975	0.0%	414	0.0%	101,756	0.3%	7,663	7.0%	109,419	0.3%
	2034	50,879	0.2%	3,556	0.1%	14,309	0.2%	9,985	0.9%	552	0.4%	18.1	0.6%	38,794	0.2%	161	1.2%	241	-1.0%	1,975	0.0%	414	0.0%	102,047	0.3%	7,685	7.0%	109,731	0.3%
	2035	50,984	0.2%	3,558	0.1%	14,328	0.1%	10,081	1.0%	554	0.4%	18.2	0.6%	38,869	0.2%	163	1.2%	239	-1.0%	1,975	0.0%	414	0.0%	102,324	0.3%	7,706	7.0%	110,030	0.3%
	2036	51,094	0.2%	3,561	0.1%	14,348	0.1%	10,181	1.0%	556	0.4%	18.3	0.6%	38,947	0.2%	165	1.3%	236	-1.0%	1,975	0.0%	414	0.0%	102,611	0.3%	7,728	7.0%	110,339	0.3%
	2037	51,211	0.2%	3,564	0.1%	14,369	0.1%	10,277	0.9%	558	0.4%	18.4	0.6%	39,028	0.2%	167	1.2%	234	-1.0%	1,975	0.0%	414	0.0%	102,906	0.3%	7,750	7.0%	110,656	0.3%
CAGR	2008-2017		-0.2%		0.3%		-0.5%		-1.5%		-1.1%		-0.4%		-0.5%		1.6%		-2.1%		-16.2%		-6.0%		-1.3%		7.0%		-1.3%
	2018-2027		0.2%		0.2%		0.0%		1.0%		0.7%		0.3%		0.3%		1.2%		-0.9%		0.0%		0.0%		0.3%		7.0%		0.3%
	2028-2037		0.2%		0.1%		0.2%		1.0%		0.4%		0.6%		0.2%		1.2%		-1.0%		0.0%		0.0%		0.3%		7.0%		0.3%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	34.0	-	10.3	-	18.0	-	1.15	-	811	-	768	-	74,371	-
1998	34.6	1.8%	10.5	1.3%	17.8	-1.0%	1.04	-8.9%	842	3.9%	853	11.0%	81,477	9.6%
1999	35.6	3.1%	10.7	2.2%	17.3	-2.6%	1.08	3.3%	836	-0.7%	868	1.8%	81,139	-0.4%
2000	36.3	1.7%	10.9	1.7%	17.2	-0.8%	1.10	2.3%	831	-0.6%	882	1.6%	81,081	-0.1%
2001	36.0	-0.6%	11.1	1.8%	16.4	-4.2%	1.12	1.4%	884	6.3%	908	2.9%	81,957	1.1%
2002	36.0	0.0%	11.1	0.2%	15.7	-4.5%	1.09	-2.6%	896	1.4%	911	0.4%	82,104	0.2%
2003	36.1	0.3%	11.3	1.5%	15.7	0.2%	1.14	5.1%	883	-1.4%	856	-6.0%	75,985	-7.5%
2004	36.9	2.1%	11.5	1.8%	16.7	6.0%	1.17	2.0%	936	6.1%	872	1.9%	76,059	0.1%
2005	38.2	3.5%	11.9	3.7%	17.6	5.7%	1.22	4.4%	986	5.3%	904	3.7%	76,053	0.0%
2006	38.8	1.5%	12.0	1.2%	18.6	5.2%	1.10	-9.9%	1,017	3.2%	948	4.9%	78,769	3.6%
2007	39.0	0.6%	12.2	0.9%	19.2	3.7%	1.23	11.6%	1,073	5.5%	957	0.9%	78,757	0.0%
2008	39.2	0.4%	12.1	-0.1%	18.3	-5.1%	1.02	-17.0%	989	-7.8%	919	-3.9%	75,734	-3.8%
2009	39.0	-0.4%	12.0	-0.9%	17.4	-4.7%	1.04	1.9%	966	-2.3%	939	2.1%	78,030	3.0%
2010	39.0	0.1%	12.0	-0.1%	17.0	-2.2%	0.44	-58.0%	920	-4.8%	1,006	7.1%	83,662	7.2%
2011	38.8	-0.6%	12.0	-0.3%	17.2	1.1%	0.42	-3.7%	907	-1.3%	971	-3.4%	81,054	-3.1%
2012	37.7	-3.0%	12.2	1.4%	17.4	1.2%	0.47	11.0%	928	2.3%	970	-0.2%	79,770	-1.6%
2013	37.7	0.2%	12.3	1.0%	18.5	6.2%	0.49	4.3%	989	6.5%	986	1.6%	80,281	0.6%
2014	38.5	2.0%	12.3	0.2%	18.7	1.0%	0.51	4.3%	967	-2.2%	986	0.0%	80,162	-0.1%
2015	39.1	1.7%	12.4	0.5%	18.4	-1.3%	0.53	3.8%	984	1.8%	1,065	8.1%	86,151	7.5%
2016	39.3	0.5%	12.5	1.2%	18.6	1.1%	0.53	1.4%	1,000	1.6%	991	-7.0%	79,208	-8.1%
2017	39.7	0.9%	12.7	1.4%	18.9	1.2%	0.54	0.8%	1,015	1.5%	1,015	2.4%	80,026	1.0%
2018	40.0	0.9%	12.8	1.2%	19.1	1.2%	0.54	0.5%	1,031	1.6%	1,041	2.6%	81,131	1.4%
2019	40.4	0.9%	13.0	1.1%	19.3	1.2%	0.54	0.7%	1,047	1.5%	1,068	2.6%	82,369	1.5%
2020	40.8	0.9%	13.1	1.0%	19.5	1.2%	0.54	0.3%	1,062	1.5%	1,096	2.6%	83,658	1.6%
2021	41.1	0.8%	13.2	0.9%	19.7	1.1%	0.55	0.4%	1,078	1.4%	1,122	2.4%	84,900	1.5%
2022	41.5	0.8%	13.3	0.7%	19.9	1.1%	0.55	0.1%	1,093	1.5%	1,148	2.3%	86,192	1.5%
2023	41.8	0.8%	13.4	0.7%	20.2	1.1%	0.55	0.1%	1,109	1.4%	1,173	2.2%	87,524	1.5%
2024	42.2	0.8%	13.5	0.6%	20.4	1.1%	0.55	0.1%	1,125	1.4%	1,198	2.1%	88,789	1.4%
2025	42.5	0.8%	13.6	0.6%	20.6	1.0%	0.55	0.1%	1,141	1.4%	1,222	2.0%	90,078	1.5%
2026	42.8	0.7%	13.6	0.5%	20.7	0.6%	0.55	0.0%	1,157	1.4%	1,245	1.9%	91,371	1.4%
2027	43.1	0.7%	13.7	0.4%	20.8	0.5%	0.55	-0.1%	1,172	1.4%	1,268	1.8%	92,652	1.4%
2028	43.4	0.7%	13.7	0.4%	20.9	0.5%	0.55	0.1%	1,189	1.4%	1,291	1.8%	93,930	1.4%
2029	43.7	0.7%	13.8	0.4%	21.0	0.6%	0.55	-0.1%	1,206	1.4%	1,315	1.8%	95,238	1.4%
2030	44.0	0.7%	13.9	0.4%	21.1	0.5%	0.55	-0.1%	1,223	1.4%	1,337	1.7%	96,507	1.3%
2031	44.3	0.7%	13.9	0.4%	21.3	0.6%	0.55	-0.1%	1,240	1.4%	1,360	1.7%	97,799	1.3%
2032	44.6	0.7%	13.9	0.3%	21.4	0.7%	0.55	-0.1%	1,258	1.5%	1,384	1.7%	99,182	1.4%
2033	44.9	0.6%	14.0	0.3%	21.6	0.6%	0.55	-0.1%	1,277	1.5%	1,407	1.7%	100,560	1.4%
2034	45.2	0.6%	14.0	0.3%	21.7	0.6%	0.54	-0.1%	1,296	1.5%	1,431	1.7%	101,996	1.4%
2035	45.5	0.6%	14.1	0.3%	21.8	0.6%	0.54	-0.1%	1,315	1.5%	1,457	1.8%	103,520	1.5%
2036	45.8	0.6%	14.1	0.3%	22.0	0.7%	0.54	-0.1%	1,335	1.5%	1,482	1.8%	105,018	1.4%
2037	46.1	0.6%	14.2	0.4%	22.1	0.6%	0.54	-0.1%	1,355	1.5%	1,507	1.6%	106,357	1.3%
Average Percent Change														
2007-2017		0.2%		0.4%		-0.2%		-7.9%		-0.6%		0.6%		0.2%
2018-2027		0.8%		0.7%		1.0%		0.2%		1.4%		2.2%		1.5%
2028-2037		0.7%		0.3%		0.6%		-0.1%		1.5%		1.7%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - West Palm Beach Apt

Legend: HDD, CDD, Normal HDD, Normal CDD
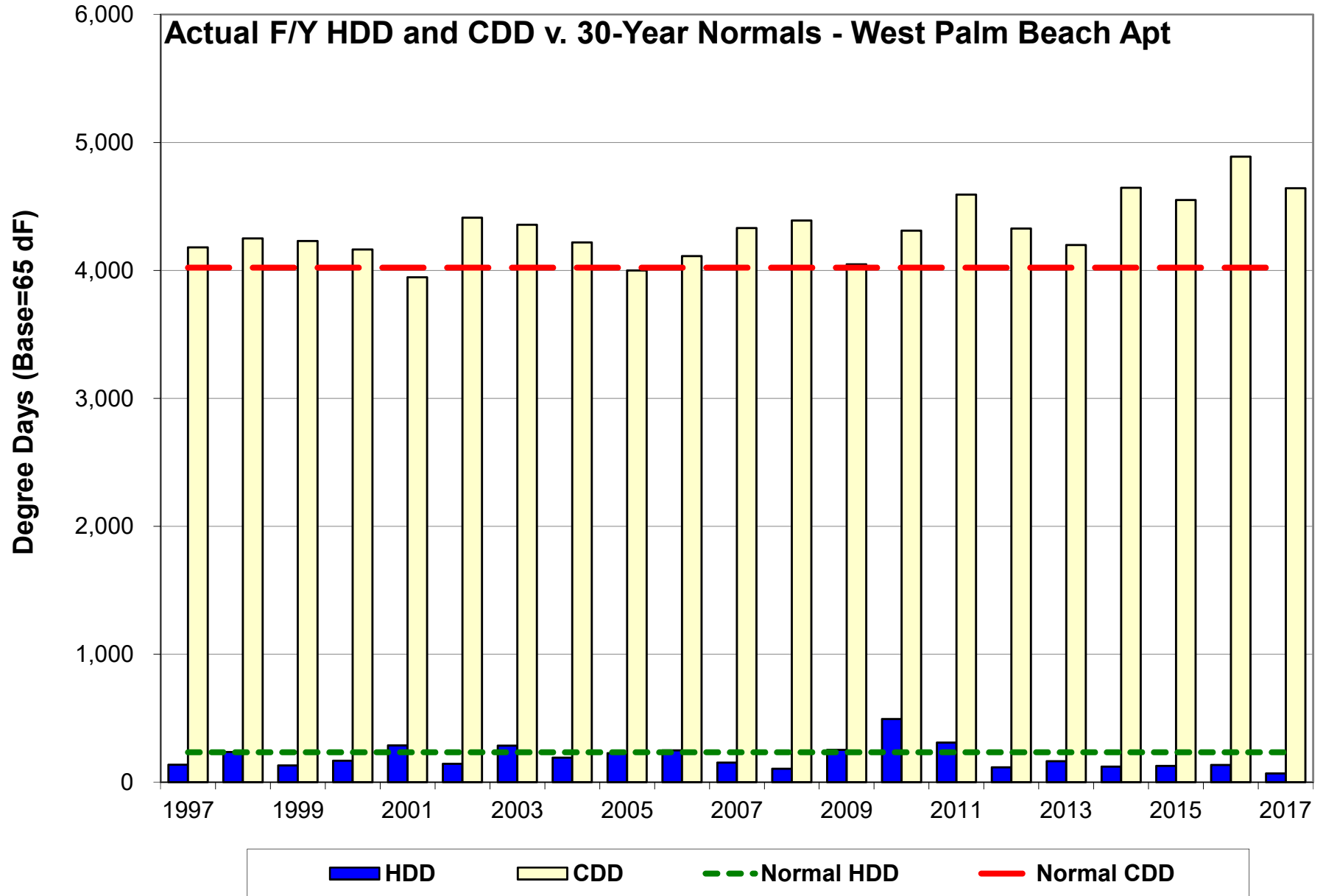
FMPA 2018 Load Forecast - Base Case
Ft. Meade (Full Req'ts)
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP [1,2]									
							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	2008	44,665	-	44,915	-	0.6%	11.8	-	11.4	-	-3.4%	9.1	-	9.2	-	1.3%
	2009	44,134	-1.2%	43,686	-2.7%	-1.0%	12.5	5.6%	10.0	-12.2%	-19.7%	9.5	4.5%	10.4	12.8%	9.3%
	2010	45,653	3.4%	42,238	-3.3%	-7.5%	14.0	11.9%	12.1	20.1%	-13.8%	9.4	-1.2%	9.2	-12.0%	-2.5%
	2011	43,569	-4.6%	40,894	-3.2%	-6.1%	12.3	-11.9%	11.9	-1.6%	-3.8%	8.4	-10.1%	8.4	-8.6%	-0.9%
	2012	41,322	-5.2%	41,542	1.6%	0.5%	10.9	-11.5%	10.9	-8.1%	-0.2%	7.8	-7.2%	9.0	8.0%	15.3%
	2013	40,645	-1.6%	41,167	-0.9%	1.3%	8.7	-20.1%	10.0	-8.6%	14.2%	7.8	0.2%	8.2	-8.7%	5.1%
	2014	41,588	2.3%	41,573	1.0%	0.0%	9.3	6.8%	11.5	15.6%	23.5%	7.2	-8.3%	7.1	-14.2%	-1.7%
	2015	42,783	2.9%	41,785	0.5%	-2.3%	10.6	14.2%	11.0	-4.2%	3.6%	9.4	30.0%	9.4	33.0%	0.6%
	2016	43,483	1.6%	41,694	-0.2%	-4.1%	7.8	-26.3%	10.7	-2.5%	37.1%	9.4	0.5%	9.3	-0.8%	-0.6%
	2017	41,077	-5.5%	39,932	-4.2%	-2.8%	6.7	-14.9%	10.7	-0.2%	60.9%	9.2	-1.9%	9.9	6.1%	7.5%
Projected	2018	41,007	-0.2%	41,007	2.7%		10.2	52.6%	10.2	-5.1%		8.6	-6.8%	8.6	-13.3%	
	2019			41,311	0.7%				10.2	0.6%				8.6	0.6%	
	2020			41,614	0.7%				10.3	0.7%				8.7	0.7%	
	2021			41,789	0.4%				10.4	0.5%				8.8	0.5%	
	2022			42,093	0.7%				10.4	0.7%				8.8	0.7%	
	2023			42,402	0.7%				10.5	0.7%				8.9	0.7%	
	2024			42,789	0.9%				10.6	0.9%				9.0	0.9%	
	2025			43,014	0.5%				10.7	0.5%				9.0	0.5%	
	2026			43,320	0.7%				10.7	0.7%				9.1	0.7%	
	2027			43,613	0.7%				10.8	0.7%				9.1	0.7%	
	2028			43,985	0.9%				10.9	0.8%				9.2	0.8%	
	2029			44,188	0.5%				11.0	0.5%				9.3	0.5%	
	2030			44,470	0.6%				11.0	0.6%				9.3	0.6%	
	2031			44,740	0.6%				11.1	0.6%				9.4	0.6%	
	2032			45,086	0.8%				11.2	0.8%				9.4	0.8%	
	2033			45,254	0.4%				11.2	0.4%				9.5	0.4%	
	2034			45,508	0.6%				11.3	0.6%				9.5	0.6%	
	2035			45,765	0.6%				11.3	0.6%				9.6	0.6%	
	2036			46,111	0.8%				11.4	0.8%				9.7	0.8%	
	2037			46,272	0.3%				11.5	0.3%				9.7	0.3%	
CAGR [3]	2008-2017		-0.9%		-1.3%			-6.2%		-0.7%			0.1%		0.8%	
	2018-2027				0.7%					0.7%					0.7%	
	2028-2037				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 2018 Load Forecast - Base Case
Ft. Meade (Full Req'ts)
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	44,665	-	44,665	-	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%	43,483	1.6%	9.7	9.5	9.7	9.5	7.8	9.4	9.5	9.4
	2017	41,077	-5.5%	41,885	-3.7%	8.5	9.7	10.9	9.2	6.7	9.2	10.4	8.4
Projected	2018	41,007	-0.2%	42,042	0.4%	10.5	9.1	11.0	9.2	10.2	8.6	10.5	8.5
	2019	41,311	0.7%	42,295	0.6%	10.6	9.2	11.0	9.3	10.2	8.6	10.5	8.5
	2020	41,614	0.7%	42,636	0.8%	10.7	9.2	11.1	9.4	10.3	8.7	10.6	8.6
	2021	41,789	0.4%	42,810	0.4%	10.7	9.3	11.2	9.4	10.4	8.8	10.7	8.6
	2022	42,093	0.7%	43,060	0.6%	10.8	9.3	11.2	9.5	10.4	8.8	10.7	8.7
	2023	42,402	0.7%	43,308	0.6%	10.9	9.4	11.3	9.5	10.5	8.9	10.8	8.7
	2024	42,789	0.9%	43,628	0.7%	11.0	9.5	11.4	9.6	10.6	9.0	10.9	8.8
	2025	43,014	0.5%	43,773	0.3%	11.1	9.5	11.4	9.6	10.7	9.0	10.9	8.8
	2026	43,320	0.7%	43,995	0.5%	11.1	9.6	11.5	9.7	10.7	9.1	11.0	8.9
	2027	43,613	0.7%	44,214	0.5%	11.2	9.7	11.5	9.7	10.8	9.1	11.0	8.9
	2028	43,985	0.9%	44,517	0.7%	11.3	9.7	11.6	9.8	10.9	9.2	11.1	9.0
	2029	44,188	0.5%	44,647	0.3%	11.4	9.8	11.6	9.8	11.0	9.3	11.1	9.0
	2030	44,470	0.6%	44,857	0.5%	11.4	9.9	11.7	9.9	11.0	9.3	11.2	9.0
	2031	44,740	0.6%	45,058	0.4%	11.5	9.9	11.8	9.9	11.1	9.4	11.2	9.1
	2032	45,086	0.8%	45,344	0.6%	11.6	10.0	11.8	10.0	11.2	9.4	11.3	9.1
	2033	45,254	0.4%	45,453	0.2%	11.6	10.0	11.9	10.0	11.2	9.5	11.3	9.1
	2034	45,508	0.6%	45,641	0.4%	11.7	10.1	11.9	10.0	11.3	9.5	11.4	9.2
	2035	45,765	0.6%	45,830	0.4%	11.8	10.1	12.0	10.1	11.3	9.6	11.4	9.2
	2036	46,111	0.8%	46,107	0.6%	11.8	10.2	12.0	10.1	11.4	9.7	11.5	9.3
	2037	46,272	0.3%			11.9	10.3			11.5	9.7		
CAGR [1]	Historical		-0.9%		-0.3%	-4.3%	-0.3%	-3.3%	-0.6%	-7.6%	-0.4%	-3.8%	-0.2%
	1st 10 Prj Yrs		0.7%		0.5%	0.7%	0.7%	0.6%	0.6%	0.7%	0.7%	0.6%	0.6%
	2nd 10 Prj Yrs		0.6%		0.5%	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%	0.5%	0.5%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 Load Forecast - Base Case
Ft. Meade (Full Req'ts)
Monthly Net Energy for Load (MWh)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	3,385	2,742	3,029	42,698	43,483
	2017	3,081	2,612	2,994	3,295	4,046	3,701	4,210	4,440	3,542	3,332	2,932	3,166	41,350	41,077
Projected	2018	3,427	2,749	2,959	2,982	3,677	3,774	4,018	4,085	3,906	3,375	2,954	3,194	41,101	41,007
	2019	3,457	2,770	2,979	3,001	3,700	3,797	4,044	4,110	3,928	3,394	2,970	3,211	41,362	41,311
	2020	3,476	2,864	2,995	3,016	3,720	3,818	4,067	4,134	3,950	3,413	2,985	3,228	41,666	41,614
	2021	3,497	2,801	3,012	3,034	3,742	3,843	4,094	4,162	3,978	3,436	3,006	3,251	41,856	41,789
	2022	3,523	2,821	3,033	3,055	3,768	3,871	4,126	4,194	4,008	3,462	3,027	3,275	42,163	42,093
	2023	3,549	2,842	3,055	3,076	3,795	3,900	4,157	4,226	4,038	3,487	3,048	3,298	42,472	42,402
	2024	3,575	2,944	3,076	3,097	3,822	3,928	4,189	4,258	4,067	3,512	3,069	3,321	42,858	42,789
	2025	3,601	2,883	3,098	3,118	3,848	3,957	4,220	4,290	4,097	3,537	3,090	3,344	43,085	43,014
	2026	3,628	2,904	3,119	3,139	3,874	3,985	4,251	4,321	4,126	3,562	3,110	3,367	43,386	43,320
	2027	3,653	2,923	3,140	3,160	3,900	4,012	4,281	4,351	4,155	3,586	3,130	3,388	43,679	43,613
Projected	2028	3,678	3,026	3,160	3,179	3,925	4,039	4,310	4,381	4,182	3,609	3,149	3,410	44,050	43,985
	2029	3,702	2,962	3,180	3,199	3,949	4,066	4,340	4,411	4,210	3,633	3,169	3,432	44,252	44,188
	2030	3,727	2,981	3,200	3,218	3,974	4,092	4,368	4,440	4,237	3,655	3,188	3,452	44,532	44,470
	2031	3,750	2,999	3,219	3,237	3,997	4,117	4,396	4,467	4,263	3,677	3,206	3,472	44,800	44,740
	2032	3,773	3,102	3,237	3,255	4,019	4,141	4,422	4,494	4,288	3,698	3,223	3,491	45,143	45,086
	2033	3,794	3,033	3,254	3,272	4,041	4,165	4,448	4,520	4,312	3,719	3,241	3,511	45,311	45,254
	2034	3,816	3,050	3,272	3,290	4,063	4,188	4,474	4,547	4,337	3,740	3,258	3,530	45,565	45,508
	2035	3,838	3,067	3,290	3,308	4,086	4,212	4,501	4,574	4,362	3,761	3,276	3,550	45,824	45,765
	2036	3,860	3,172	3,308	3,325	4,108	4,236	4,527	4,600	4,387	3,782	3,293	3,569	46,169	46,111
	2037	3,882	3,101	3,325	3,342	4,129	4,259	4,552	4,626	4,411	3,802	3,310	3,587	46,326	46,272

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.9%	7.2%	7.3%	7.6%	8.9%	9.7%	10.3%	10.1%	9.5%	7.9%	6.4%	7.1%	100.0%
	2017	7.5%	6.3%	7.2%	8.0%	9.8%	8.9%	10.2%	10.7%	8.6%	8.1%	7.1%	7.7%	100.0%
Projected	2018	8.3%	6.7%	7.2%	7.3%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2019	8.4%	6.7%	7.2%	7.3%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2020	8.3%	6.9%	7.2%	7.2%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.7%	100.0%
	2021	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2022	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%
	2023	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.8%	100.0%
	2024	8.3%	6.9%	7.2%	7.2%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.7%	100.0%
	2025	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.8%	100.0%
	2026	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.8%	100.0%
	2027	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	10.0%	9.5%	8.2%	7.2%	7.8%	100.0%
Avg.	2008-2017	8.1%	7.0%	7.3%	7.7%	9.2%	9.4%	9.6%	10.0%	9.1%	8.1%	6.9%	7.7%	100.0%
	2018-2027	8.4%	6.7%	7.2%	7.2%	8.9%	9.2%	9.8%	9.9%	9.5%	8.2%	7.2%	7.8%	100.0%

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

FMPA 2018 Load Forecast - Base Case
Ft. Meade (Full Req'ts)
Monthly Non-Coincident Peak Demand (MW)

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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	7.7	6.2	6.6	9.7	9.5
	2017	8.5	6.8	7.3	8.7	9.2	9.1	9.3	9.7	9.1	8.6	6.6	7.7	8.5	9.7
Projected	2018	10.5	8.9	7.1	7.4	8.5	8.8	8.7	9.1	8.3	8.0	6.6	7.8	10.5	9.1
	2019	10.6	9.0	7.1	7.5	8.5	8.9	8.7	9.2	8.4	8.1	6.7	7.8	10.6	9.2
	2020	10.7	9.1	7.2	7.5	8.6	8.9	8.8	9.2	8.4	8.2	6.7	7.9	10.7	9.2
	2021	10.7	9.1	7.2	7.5	8.6	9.0	8.8	9.3	8.5	8.2	6.8	7.9	10.7	9.3
	2022	10.8	9.2	7.3	7.6	8.7	9.0	8.9	9.3	8.5	8.3	6.8	8.0	10.8	9.3
	2023	10.9	9.2	7.3	7.7	8.8	9.1	8.9	9.4	8.6	8.3	6.9	8.0	10.9	9.4
	2024	11.0	9.3	7.4	7.7	8.8	9.2	9.0	9.5	8.7	8.4	6.9	8.1	11.0	9.5
	2025	11.1	9.4	7.4	7.8	8.9	9.2	9.1	9.5	8.7	8.4	6.9	8.1	11.1	9.5
	2026	11.1	9.4	7.5	7.8	9.0	9.3	9.1	9.6	8.8	8.5	7.0	8.2	11.1	9.6
	2027	11.2	9.5	7.5	7.9	9.0	9.4	9.2	9.7	8.9	8.5	7.1	8.3	11.2	9.7
Projected	2028	11.3	9.6	7.6	7.9	9.1	9.4	9.3	9.7	8.9	8.6	7.1	8.3	11.3	9.7
	2029	11.4	9.6	7.6	8.0	9.1	9.5	9.3	9.8	9.0	8.7	7.1	8.4	11.4	9.8
	2030	11.4	9.7	7.7	8.0	9.2	9.5	9.4	9.9	9.0	8.7	7.2	8.4	11.4	9.9
	2031	11.5	9.7	7.7	8.1	9.2	9.6	9.4	9.9	9.1	8.8	7.2	8.5	11.5	9.9
	2032	11.6	9.8	7.8	8.1	9.3	9.7	9.5	10.0	9.1	8.8	7.3	8.5	11.6	10.0
	2033	11.6	9.9	7.8	8.2	9.4	9.7	9.5	10.0	9.2	8.9	7.3	8.6	11.6	10.0
	2034	11.7	9.9	7.8	8.2	9.4	9.8	9.6	10.1	9.2	8.9	7.3	8.6	11.7	10.1
	2035	11.8	10.0	7.9	8.3	9.5	9.8	9.7	10.1	9.3	9.0	7.4	8.7	11.8	10.1
	2036	11.8	10.0	7.9	8.3	9.5	9.9	9.7	10.2	9.4	9.0	7.4	8.7	11.8	10.2
	2037	11.9	10.1	8.0	8.4	9.6	9.9	9.8	10.3	9.4	9.1	7.5	8.7	11.9	10.3

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	58.7%	59.9%	64.0%	50.2%	51.2%
	2017	48.5%	56.9%	55.1%	50.8%	65.3%	54.8%	62.7%	61.4%	54.0%	52.1%	59.9%	57.0%	55.3%	48.6%
Projected	2018	43.7%	45.8%	56.3%	54.1%	64.5%	57.6%	64.5%	60.4%	65.1%	56.4%	59.9%	57.2%	44.5%	51.6%
	2019	43.8%	45.8%	56.3%	54.1%	64.5%	57.6%	64.5%	60.4%	65.1%	56.4%	59.8%	57.0%	44.5%	51.6%
	2020	43.7%	45.4%	56.2%	54.0%	64.4%	57.5%	64.4%	60.3%	65.0%	56.2%	59.9%	57.1%	44.5%	51.6%
	2021	43.8%	45.8%	56.2%	54.0%	64.5%	57.6%	64.5%	60.4%	65.1%	56.4%	59.8%	57.1%	44.5%	51.6%
	2022	43.8%	45.8%	56.2%	54.0%	64.5%	57.6%	64.5%	60.4%	65.2%	56.4%	59.8%	57.1%	44.5%	51.6%
	2023	43.8%	45.8%	56.2%	54.0%	64.4%	57.6%	64.6%	60.4%	65.2%	56.4%	59.7%	57.0%	44.5%	51.6%
	2024	43.7%	45.4%	56.1%	53.9%	64.3%	57.5%	64.5%	60.3%	65.0%	56.3%	59.8%	57.0%	44.5%	51.6%
	2025	43.8%	45.8%	56.2%	54.0%	64.4%	57.7%	64.6%	60.5%	65.2%	56.4%	59.8%	57.0%	44.5%	51.6%
	2026	43.8%	45.8%	56.2%	53.9%	64.4%	57.7%	64.6%	60.5%	65.2%	56.4%	59.8%	57.0%	44.5%	51.6%
	2027	43.8%	45.8%	56.2%	53.9%	64.4%	57.7%	64.6%	60.5%	65.2%	56.4%	59.6%	56.9%	44.5%	51.6%
Avg.	2008-2017	46.2%	48.0%	55.1%	56.3%	67.0%	58.4%	63.6%	62.0%	61.9%	57.2%	55.9%	57.7%	44.5%	51.6%
	2018-2027	43.8%	45.7%	56.2%	54.0%	64.4%	57.6%	64.5%	60.4%	65.1%	56.4%	59.8%	57.0%	44.5%	51.6%

FMPA 2018 Load Forecast - Base Case
Ft. Meade (Full Req'ts)
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	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	7.7	5.3	6.6	7.8	9.4
	2017	8.1	6.3	6.7	8.6	9.2	8.4	8.6	9.2	8.7	8.2	6.1	7.5	6.7	9.2
Projected	2018	10.2	8.6	6.7	7.0	8.0	8.5	8.1	8.6	8.1	7.7	6.1	7.5	10.2	8.6
	2019	10.2	8.7	6.8	7.0	8.1	8.6	8.1	8.6	8.1	7.7	6.1	7.6	10.2	8.6
	2020	10.3	8.7	6.8	7.1	8.1	8.6	8.2	8.7	8.2	7.8	6.2	7.6	10.3	8.7
	2021	10.4	8.8	6.9	7.1	8.2	8.7	8.2	8.8	8.2	7.8	6.2	7.7	10.4	8.8
	2022	10.4	8.9	6.9	7.1	8.2	8.7	8.3	8.8	8.3	7.9	6.3	7.7	10.4	8.8
	2023	10.5	8.9	7.0	7.2	8.3	8.8	8.4	8.9	8.3	7.9	6.3	7.8	10.5	8.9
	2024	10.6	9.0	7.0	7.3	8.4	8.9	8.4	9.0	8.4	8.0	6.4	7.8	10.6	9.0
	2025	10.7	9.0	7.1	7.3	8.4	8.9	8.5	9.0	8.5	8.1	6.4	7.9	10.7	9.0
	2026	10.7	9.1	7.1	7.3	8.5	9.0	8.5	9.1	8.5	8.1	6.4	8.0	10.7	9.1
	2027	10.8	9.2	7.2	7.4	8.5	9.0	8.6	9.1	8.6	8.2	6.5	8.0	10.8	9.1
Projected	2028	10.9	9.2	7.2	7.5	8.6	9.1	8.7	9.2	8.7	8.2	6.5	8.1	10.9	9.2
	2029	11.0	9.3	7.3	7.5	8.6	9.1	8.7	9.3	8.7	8.3	6.6	8.1	11.0	9.3
	2030	11.0	9.3	7.3	7.5	8.7	9.2	8.8	9.3	8.7	8.3	6.6	8.2	11.0	9.3
	2031	11.1	9.4	7.4	7.6	8.7	9.3	8.8	9.4	8.8	8.4	6.7	8.2	11.1	9.4
	2032	11.2	9.5	7.4	7.6	8.8	9.3	8.9	9.4	8.9	8.4	6.7	8.2	11.2	9.4
	2033	11.2	9.5	7.4	7.7	8.8	9.4	8.9	9.5	8.9	8.5	6.7	8.3	11.2	9.5
	2034	11.3	9.6	7.5	7.7	8.9	9.4	9.0	9.5	8.9	8.5	6.8	8.3	11.3	9.5
	2035	11.3	9.6	7.5	7.8	8.9	9.5	9.0	9.6	9.0	8.6	6.8	8.4	11.3	9.6
	2036	11.4	9.7	7.6	7.8	9.0	9.5	9.1	9.7	9.1	8.6	6.8	8.4	11.4	9.7
	2037	11.5	9.7	7.6	7.8	9.0	9.6	9.1	9.7	9.1	8.7	6.9	8.5	11.5	9.7

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	100.0%	85.4%	100.0%	80.7%	98.8%
	2017	94.7%	92.6%	91.3%	98.6%	100.0%	92.9%	92.4%	94.8%	95.5%	95.6%	92.0%	97.0%	78.1%	94.8%
Projected	2018	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2019	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2020	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2021	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2022	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2023	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2024	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2025	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2026	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2027	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%
	2008-2017	96.5%	96.6%	95.5%	93.3%	94.5%	95.5%	92.5%	93.2%	95.8%	95.8%	91.5%	96.0%	92.9%	92.1%
	2018-2027	96.5%	96.5%	95.5%	93.9%	94.5%	96.6%	93.4%	94.5%	96.9%	95.6%	92.0%	97.0%	96.5%	94.5%

FMPA 2018 Load Forecast - Base Case - Ft Meade

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	27,652		2,330		11,867		12,240		342		35.8		39,892		4,773	10.7%	44,665	
	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	8.3%	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	7.2%	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	6.3%	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	6.3%	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	5.4%	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	4.9%	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	5.3%	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	5.8%	43,483	1.6%
	2017	27,230	-2.8%	2,352	-1.1%	11,577	-1.7%	12,277	-5.4%	316	-0.6%	38.8	-4.8%	39,506	-3.6%	1,571	3.8%	41,077	-5.5%
Projected	2018	27,147	-0.3%	2,380	1.2%	11,405	-1.5%	11,882	-3.2%	321	1.4%	37.1	-4.5%	39,029	-1.2%	1,978	4.8%	41,007	-0.2%
	2019	27,302	0.6%	2,398	0.8%	11,383	-0.2%	11,878	0.0%	324	0.9%	36.7	-1.0%	39,180	0.4%	2,131	5.2%	41,311	0.7%
	2020	27,501	0.7%	2,409	0.4%	11,417	0.3%	11,892	0.1%	325	0.5%	36.6	-0.4%	39,393	0.5%	2,221	5.3%	41,614	0.7%
	2021	27,727	0.8%	2,418	0.4%	11,466	0.4%	11,906	0.1%	326	0.4%	36.5	-0.3%	39,634	0.6%	2,155	5.2%	41,789	0.4%
	2022	27,998	1.0%	2,427	0.4%	11,537	0.6%	11,923	0.1%	328	0.4%	36.4	-0.2%	39,921	0.7%	2,171	5.2%	42,093	0.7%
	2023	28,275	1.0%	2,435	0.3%	11,613	0.7%	11,941	0.1%	329	0.4%	36.3	-0.2%	40,215	0.7%	2,187	5.2%	42,402	0.7%
	2024	28,548	1.0%	2,442	0.3%	11,691	0.7%	11,958	0.1%	330	0.4%	36.2	-0.2%	40,506	0.7%	2,284	5.3%	42,789	0.9%
	2025	28,822	1.0%	2,449	0.3%	11,769	0.7%	11,974	0.1%	331	0.3%	36.2	-0.2%	40,796	0.7%	2,218	5.2%	43,014	0.5%
	2026	29,095	0.9%	2,455	0.3%	11,849	0.7%	11,991	0.1%	332	0.3%	36.1	-0.2%	41,086	0.7%	2,234	5.2%	43,320	0.7%
	2027	29,357	0.9%	2,461	0.2%	11,927	0.7%	12,007	0.1%	333	0.3%	36.0	-0.2%	41,364	0.7%	2,249	5.2%	43,613	0.7%
	2028	29,616	0.9%	2,467	0.2%	12,004	0.6%	12,022	0.1%	334	0.3%	36.0	-0.2%	41,638	0.7%	2,347	5.3%	43,985	0.9%
	2029	29,872	0.9%	2,473	0.2%	12,081	0.6%	12,037	0.1%	335	0.3%	35.9	-0.2%	41,909	0.7%	2,278	5.2%	44,188	0.5%
	2030	30,125	0.8%	2,478	0.2%	12,157	0.6%	12,052	0.1%	336	0.3%	35.8	-0.2%	42,177	0.6%	2,293	5.2%	44,470	0.6%
	2031	30,368	0.8%	2,483	0.2%	12,230	0.6%	12,066	0.1%	337	0.3%	35.8	-0.2%	42,434	0.6%	2,307	5.2%	44,740	0.6%
	2032	30,601	0.8%	2,488	0.2%	12,300	0.6%	12,079	0.1%	338	0.3%	35.7	-0.2%	42,681	0.6%	2,405	5.3%	45,086	0.8%
	2033	30,829	0.7%	2,492	0.2%	12,370	0.6%	12,092	0.1%	339	0.3%	35.7	-0.2%	42,921	0.6%	2,333	5.2%	45,254	0.4%
	2034	31,057	0.7%	2,497	0.2%	12,439	0.6%	12,105	0.1%	340	0.3%	35.6	-0.2%	43,162	0.6%	2,346	5.2%	45,508	0.6%
	2035	31,288	0.7%	2,501	0.2%	12,510	0.6%	12,118	0.1%	341	0.3%	35.5	-0.2%	43,406	0.6%	2,359	5.2%	45,765	0.6%
	2036	31,521	0.7%	2,505	0.2%	12,583	0.6%	12,131	0.1%	342	0.3%	35.5	-0.2%	43,652	0.6%	2,460	5.3%	46,111	0.8%
	2037	31,743	0.7%	2,509	0.2%	12,651	0.5%	12,144	0.1%	343	0.3%	35.4	-0.1%	43,887	0.5%	2,385	5.2%	46,272	0.3%
CAGR	2008-2017		-0.2%		0.1%		-0.3%		0.0%		-0.9%		0.9%		-0.1%		6.4%		-0.9%
	2018-2027		0.9%		0.4%		0.5%		0.1%		0.4%		-0.3%		0.6%		5.2%		0.7%
	2028-2037		0.8%		0.2%		0.6%		0.1%		0.3%		-0.2%		0.6%		5.2%		0.6%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	463.5	-	178.7	-	214.1	-	19.54	-	13,117	-	12,559	-	70,300	-
1998	471.5	1.7%	182.3	2.0%	222.8	4.1%	19.73	1.0%	14,157	7.9%	13,687	9.0%	75,081	6.8%
1999	478.0	1.4%	184.9	1.5%	227.1	1.9%	19.48	-1.3%	14,838	4.8%	14,206	3.8%	76,808	2.3%
2000	485.5	1.6%	187.8	1.6%	234.8	3.4%	18.84	-3.3%	14,550	-1.9%	14,464	1.8%	77,000	0.3%
2001	492.9	1.5%	193.9	3.2%	232.8	-0.8%	18.07	-4.1%	15,409	5.9%	14,911	3.1%	76,888	-0.1%
2002	501.5	1.7%	196.2	1.2%	235.3	1.1%	17.63	-2.4%	15,868	3.0%	14,972	0.4%	76,301	-0.8%
2003	513.1	2.3%	201.3	2.6%	238.7	1.4%	17.49	-0.8%	16,428	3.5%	15,455	3.2%	76,780	0.6%
2004	527.7	2.9%	205.3	2.0%	249.9	4.7%	17.66	1.0%	17,088	4.0%	16,346	5.8%	79,631	3.7%
2005	547.4	3.7%	212.3	3.4%	266.4	6.6%	18.97	7.4%	18,345	7.4%	17,376	6.3%	81,844	2.8%
2006	568.3	3.8%	219.2	3.2%	275.3	3.3%	18.70	-1.4%	18,513	0.9%	17,718	2.0%	80,848	-1.2%
2007	586.0	3.1%	225.9	3.1%	277.1	0.6%	18.41	-1.6%	18,578	0.4%	17,946	1.3%	79,455	-1.7%
2008	594.8	1.5%	227.4	0.7%	269.0	-2.9%	17.15	-6.9%	17,882	-3.7%	18,042	0.5%	79,348	-0.1%
2009	598.7	0.7%	226.8	-0.3%	259.0	-3.7%	15.68	-8.6%	17,569	-1.7%	17,368	-3.7%	76,584	-3.5%
2010	603.2	0.8%	227.8	0.5%	255.8	-1.2%	14.92	-4.8%	17,312	-1.5%	18,209	4.8%	79,928	4.4%
2011	609.5	1.1%	230.7	1.3%	258.4	1.0%	15.08	1.0%	16,913	-2.3%	18,954	4.1%	82,167	2.8%
2012	615.6	1.0%	232.8	0.9%	261.8	1.3%	15.30	1.5%	17,246	2.0%	18,592	-1.9%	79,858	-2.8%
2013	622.9	1.2%	233.0	0.1%	266.9	2.0%	16.73	9.4%	17,732	2.8%	18,554	-0.2%	79,626	-0.3%
2014	635.3	2.0%	234.8	0.8%	273.5	2.5%	17.42	4.1%	17,836	0.6%	19,182	3.4%	81,699	2.6%
2015	650.1	2.3%	238.0	1.3%	281.1	2.8%	17.63	1.2%	18,561	4.1%	20,015	4.3%	84,115	3.0%
2016	657.6	1.2%	242.2	1.8%	285.7	1.6%	17.75	0.7%	19,049	2.6%	20,590	2.9%	85,027	1.1%
2017	666.8	1.4%	246.5	1.8%	290.6	1.7%	17.84	0.5%	19,532	2.5%	21,229	3.1%	86,132	1.3%
2018	676.1	1.4%	250.4	1.6%	295.2	1.6%	17.90	0.4%	20,018	2.5%	21,894	3.1%	87,427	1.5%
2019	685.4	1.4%	254.1	1.5%	299.5	1.5%	17.95	0.3%	20,504	2.4%	22,583	3.1%	88,860	1.6%
2020	694.6	1.3%	257.7	1.4%	303.7	1.4%	18.00	0.3%	20,997	2.4%	23,295	3.2%	90,402	1.7%
2021	703.6	1.3%	261.0	1.3%	308.1	1.4%	18.03	0.2%	21,490	2.3%	24,008	3.1%	91,981	1.7%
2022	712.7	1.3%	264.1	1.2%	313.0	1.6%	18.05	0.1%	22,002	2.4%	24,749	3.1%	93,726	1.9%
2023	721.8	1.3%	266.9	1.1%	317.8	1.5%	18.06	0.1%	22,518	2.3%	25,500	3.0%	95,535	1.9%
2024	731.0	1.3%	269.6	1.0%	322.2	1.4%	18.07	0.0%	23,036	2.3%	26,253	3.0%	97,364	1.9%
2025	740.1	1.2%	272.3	1.0%	326.4	1.3%	18.06	0.0%	23,560	2.3%	27,029	3.0%	99,278	2.0%
2026	748.7	1.2%	274.6	0.9%	330.5	1.2%	18.05	-0.1%	24,072	2.2%	27,786	2.8%	101,187	1.9%
2027	757.3	1.1%	276.9	0.8%	334.3	1.2%	18.04	-0.1%	24,592	2.2%	28,542	2.7%	103,078	1.9%
2028	765.8	1.1%	279.1	0.8%	338.1	1.1%	18.01	-0.1%	25,118	2.1%	29,303	2.7%	104,977	1.8%
2029	774.4	1.1%	281.3	0.8%	342.1	1.2%	17.99	-0.1%	25,652	2.1%	30,068	2.6%	106,897	1.8%
2030	783.0	1.1%	283.3	0.7%	345.9	1.1%	17.97	-0.1%	26,189	2.1%	30,824	2.5%	108,792	1.8%
2031	791.3	1.1%	285.3	0.7%	349.9	1.2%	17.94	-0.1%	26,731	2.1%	31,550	2.4%	110,602	1.7%
2032	799.5	1.0%	287.1	0.7%	353.9	1.2%	17.91	-0.2%	27,278	2.0%	32,272	2.3%	112,401	1.6%
2033	807.7	1.0%	288.9	0.6%	357.7	1.1%	17.88	-0.2%	27,828	2.0%	32,995	2.2%	114,209	1.6%
2034	815.8	1.0%	290.7	0.6%	361.2	1.0%	17.85	-0.2%	28,384	2.0%	33,733	2.2%	116,058	1.6%
2035	823.9	1.0%	292.4	0.6%	364.8	1.0%	17.82	-0.2%	28,946	2.0%	34,504	2.3%	118,022	1.7%
2036	831.6	0.9%	294.0	0.6%	368.4	1.0%	17.79	-0.2%	29,507	1.9%	35,264	2.2%	119,939	1.6%
2037	839.3	0.9%	295.8	0.6%	371.8	0.9%	17.75	-0.2%	30,074	1.9%	35,994	2.1%	121,677	1.4%
Average Percent Change														
2007-2017		1.3%		0.9%		0.5%		-0.3%		0.5%		1.7%		0.8%
2018-2027		1.3%		1.1%		1.4%		0.1%		2.3%		3.0%		1.8%
2028-2037		1.0%		0.7%		1.1%		-0.2%		2.0%		2.3%		1.7%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Tampa Airport

FMPA 2018 Load Forecast - Base Case
Ft. Pierce
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	590,911	-	587,606	-	-0.6%	107.3	-	113.0	-	5.3%	110.4	-	112.0		1.4%
	2009	553,488	-6.3%	548,356	-6.7%	-0.9%	111.5	3.9%	96.9	-14.2%	-13.0%	115.3	4.4%	107.6	-3.9%	-6.6%
	2010	568,638	2.7%	540,924	-1.4%	-4.9%	124.1	11.3%	108.9	12.4%	-12.2%	108.7	-5.7%	106.9	-0.7%	-1.6%
	2011	552,427	-2.9%	546,165	1.0%	-1.1%	114.8	-7.5%	107.0	-1.8%	-6.8%	99.6	-8.4%	99.3	-7.1%	-0.3%
	2012	537,115	-2.8%	541,322	-0.9%	0.8%	97.0	-15.5%	103.3	-3.4%	6.5%	97.0	-2.6%	109.7	10.5%	13.1%
	2013	532,037	-0.9%	535,432	-1.1%	0.6%	86.7	-10.7%	82.1	-20.6%	-5.3%	100.9	4.0%	106.4	-3.0%	5.5%
	2014	544,750	2.4%	542,736	1.4%	-0.4%	89.2	2.9%	110.9	35.1%	24.3%	103.2	2.4%	101.8	-4.3%	-1.4%
	2015	559,062	2.6%	548,247	1.0%	-1.9%	101.8	14.2%	79.7	-28.2%	-21.8%	103.4	0.2%	99.3	-2.4%	-3.9%
	2016	583,151	4.3%	571,077	4.2%	-2.1%	96.1	-5.6%	97.1	21.8%	1.0%	109.8	6.2%	107.0	7.7%	-2.6%
	2017	569,635	-2.3%	558,839	-2.1%	-1.9%	85.4	-11.1%	86.1	-11.3%	0.7%	111.8	1.8%	120.0	12.2%	7.3%
Projected	2018	580,559	1.9%	580,559	3.9%		93.3	9.2%	93.3	8.4%		110.6	-1.2%	110.6	-7.9%	
	2019			584,948	0.8%				94.0	0.7%				111.4	0.7%	
	2020			587,467	0.4%				94.3	0.3%				111.8	0.3%	
	2021			589,593	0.4%				94.7	0.3%				112.1	0.3%	
	2022			591,695	0.4%				95.0	0.4%				112.6	0.4%	
	2023			594,113	0.4%				95.4	0.4%				113.0	0.4%	
	2024			596,780	0.4%				95.8	0.5%				113.5	0.5%	
	2025			599,487	0.5%				96.3	0.5%				114.0	0.5%	
	2026			602,097	0.4%				96.7	0.4%				114.5	0.4%	
	2027			604,539	0.4%				97.1	0.4%				115.0	0.4%	
	2028			606,886	0.4%				97.4	0.4%				115.4	0.4%	
	2029			609,140	0.4%				97.8	0.4%				115.9	0.4%	
	2030			611,284	0.4%				98.1	0.3%				116.3	0.3%	
	2031			613,285	0.3%				98.5	0.3%				116.6	0.3%	
	2032			615,151	0.3%				98.7	0.3%				117.0	0.3%	
	2033			616,938	0.3%				99.0	0.3%				117.3	0.3%	
	2034			618,673	0.3%				99.3	0.3%				117.7	0.3%	
	2035			620,391	0.3%				99.6	0.3%				118.0	0.3%	
	2036			622,099	0.3%				99.9	0.3%				118.3	0.3%	
	2037			623,770	0.3%				100.1	0.3%				118.6	0.3%	
CAGR [3]	2008-2017		-0.4%		-0.6%			-2.5%		-3.0%			0.1%		0.8%	
	2018-2027				0.5%					0.4%					0.4%	
	2028-2037				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

FMPA 2018 Load Forecast - Base Case
Ft. Pierce
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	590,911	-	590,911	-	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%	583,151	4.3%	97.7	111.7	97.7	111.7	96.1	109.8	94.0	109.8
	2017	569,635	-2.3%	578,416	-0.8%	88.5	111.8	106.1	112.8	85.4	111.8	97.6	108.7
Projected	2018	580,559	1.9%	581,230	0.5%	106.0	113.4	106.6	113.4	93.3	110.6	98.1	109.2
	2019	584,948	0.8%	583,112	0.3%	106.8	114.2	106.9	113.7	94.0	111.4	98.4	109.5
	2020	587,467	0.4%	584,804	0.3%	107.2	114.6	107.2	114.0	94.3	111.8	98.7	109.8
	2021	589,593	0.4%	586,469	0.3%	107.6	115.0	107.5	114.3	94.7	112.1	98.9	110.1
	2022	591,695	0.4%	588,120	0.3%	108.0	115.4	107.8	114.6	95.0	112.6	99.2	110.4
	2023	594,113	0.4%	589,823	0.3%	108.4	115.9	108.1	115.0	95.4	113.0	99.5	110.8
	2024	596,780	0.4%	591,480	0.3%	108.9	116.5	108.4	115.3	95.8	113.5	99.8	111.1
	2025	599,487	0.5%	593,035	0.3%	109.4	117.0	108.7	115.6	96.3	114.0	100.0	111.3
	2026	602,097	0.4%	594,452	0.2%	109.9	117.5	108.9	115.9	96.7	114.5	100.3	111.6
	2027	604,539	0.4%	595,729	0.2%	110.3	118.0	109.2	116.1	97.1	115.0	100.5	111.8
	2028	606,886	0.4%	596,876	0.2%	110.7	118.4	109.4	116.3	97.4	115.4	100.7	112.0
	2029	609,140	0.4%	597,885	0.2%	111.1	118.8	109.6	116.5	97.8	115.9	100.8	112.2
	2030	611,284	0.4%	598,813	0.2%	111.5	119.3	109.7	116.7	98.1	116.3	101.0	112.4
	2031	613,285	0.3%	599,624	0.1%	111.9	119.6	109.9	116.8	98.5	116.6	101.1	112.5
	2032	615,151	0.3%	600,400	0.1%	112.2	120.0	110.0	117.0	98.7	117.0	101.2	112.7
	2033	616,938	0.3%	601,180	0.1%	112.5	120.3	110.1	117.1	99.0	117.3	101.4	112.8
	2034	618,673	0.3%	601,952	0.1%	112.8	120.7	110.3	117.3	99.3	117.7	101.5	113.0
	2035	620,391	0.3%	602,741	0.1%	113.2	121.0	110.4	117.4	99.6	118.0	101.6	113.1
	2036	622,099	0.3%	603,524	0.1%	113.5	121.3	110.6	117.6	99.9	118.3	101.8	113.3
	2037	623,770	0.3%			113.8	121.7			100.1	118.6		
CAGR [1]	Historical		-0.4%		-0.2%	-2.2%	-0.5%	-1.3%	-0.6%	-3.3%	-0.4%	-2.4%	-0.7%
	1st 10 Prj Yrs		0.5%		0.3%	0.4%	0.4%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%
	2nd 10 Prj Yrs		0.3%		0.1%	0.3%	0.3%	0.1%	0.1%	0.3%	0.3%	0.1%	0.1%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	48,041	39,816	42,331	574,770	583,151
	2017	41,027	36,811	41,794	45,276	52,452	52,155	58,048	59,507	52,377	50,344	42,275	42,651	574,717	569,635
Projected	2018	44,082	41,106	42,875	46,951	50,247	51,399	57,736	57,984	52,910	50,569	42,762	43,103	581,723	580,559
	2019	44,550	41,460	43,222	47,341	50,643	51,737	58,036	58,277	53,249	50,985	43,121	43,385	586,006	584,948
	2020	44,862	41,710	43,423	47,419	50,647	51,803	58,175	58,452	53,484	51,199	43,290	43,549	588,013	587,467
	2021	45,033	41,863	43,573	47,579	50,818	51,983	58,378	58,657	53,671	51,373	43,434	43,693	590,054	589,593
	2022	45,189	42,008	43,719	47,740	50,994	52,175	58,602	58,886	53,882	51,573	43,598	43,858	592,224	591,695
	2023	45,370	42,175	43,887	47,923	51,196	52,396	58,860	59,150	54,126	51,801	43,783	44,043	594,711	594,113
	2024	45,574	42,361	44,073	48,125	51,417	52,639	59,141	59,436	54,387	52,043	43,977	44,235	597,406	596,780
	2025	45,783	42,552	44,260	48,327	51,638	52,882	59,422	59,722	54,647	52,283	44,167	44,423	600,105	599,487
	2026	45,989	42,738	44,441	48,521	51,849	53,114	59,689	59,992	54,891	52,506	44,344	44,596	602,670	602,097
	2027	46,180	42,910	44,609	48,701	52,046	53,332	59,942	60,248	55,124	52,720	44,512	44,762	605,087	604,539
Projected	2028	46,364	43,076	44,769	48,874	52,236	53,543	60,186	60,496	55,349	52,926	44,675	44,922	607,414	606,886
	2029	46,540	43,235	44,923	49,039	52,417	53,744	60,421	60,734	55,565	53,123	44,829	45,074	609,643	609,140
	2030	46,709	43,387	45,069	49,196	52,588	53,936	60,644	60,960	55,770	53,309	44,975	45,216	611,758	611,284
	2031	46,868	43,529	45,205	49,341	52,747	54,115	60,851	61,170	55,960	53,481	45,108	45,347	613,721	613,285
	2032	47,014	43,660	45,331	49,475	52,895	54,282	61,047	61,369	56,140	53,645	45,236	45,472	615,567	615,151
	2033	47,155	43,786	45,451	49,603	53,037	54,443	61,235	61,561	56,315	53,803	45,358	45,591	617,338	616,938
	2034	47,290	43,908	45,566	49,728	53,174	54,600	61,420	61,749	56,486	53,958	45,478	45,709	619,066	618,673
	2035	47,424	44,028	45,681	49,850	53,310	54,756	61,603	61,937	56,656	54,113	45,599	45,828	620,784	620,391
	2036	47,558	44,148	45,794	49,972	53,445	54,911	61,785	62,122	56,825	54,265	45,716	45,942	622,483	622,099
	2037	47,689	44,265	45,905	50,091	53,577	55,062	61,964	62,304	56,990	54,415	45,830	46,054	624,145	623,770

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.1%	6.7%	7.5%	7.6%	8.6%	9.4%	10.7%	10.3%	9.4%	8.4%	6.9%	7.4%	100.0%
	2017	7.1%	6.4%	7.3%	7.9%	9.1%	9.1%	10.1%	10.4%	9.1%	8.8%	7.4%	7.4%	100.0%
Projected	2018	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	10.0%	9.1%	8.7%	7.4%	7.4%	100.0%
	2019	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2020	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2021	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2022	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2023	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2024	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%
	2025	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	10.0%	9.1%	8.7%	7.4%	7.4%	100.0%
	2026	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	10.0%	9.1%	8.7%	7.4%	7.4%	100.0%
	2027	7.6%	7.1%	7.4%	8.0%	8.6%	8.8%	9.9%	10.0%	9.1%	8.7%	7.4%	7.4%	100.0%
Avg.	2008-2017	7.4%	6.8%	7.4%	7.8%	8.9%	9.4%	9.9%	10.1%	9.3%	8.5%	7.2%	7.4%	100.0%
	2018-2027	7.6%	7.1%	7.4%	8.1%	8.6%	8.8%	9.9%	9.9%	9.1%	8.7%	7.4%	7.4%	100.0%

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FMPA 2018 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	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	104.3	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	99.0	84.3	86.7	97.7	111.7
	2017	83.2	79.2	88.5	96.6	106.1	105.1	108.4	111.8	109.0	99.1	89.7	79.4	88.5	111.8
Projected	2018	106.0	85.2	95.4	93.7	103.5	109.9	111.3	113.4	107.7	100.4	90.4	80.0	106.0	113.4
	2019	106.8	85.9	96.1	94.3	104.3	110.7	112.1	114.2	108.4	101.2	90.7	80.2	106.8	114.2
	2020	107.2	86.2	96.4	94.7	104.7	111.1	112.5	114.6	108.8	101.5	91.0	80.5	107.2	114.6
	2021	107.6	86.5	96.8	95.0	105.0	111.5	112.9	115.0	109.2	101.9	91.4	80.8	107.6	115.0
	2022	108.0	86.8	97.1	95.4	105.4	111.9	113.3	115.4	109.6	102.3	91.7	81.1	108.0	115.4
	2023	108.4	87.1	97.5	95.8	105.8	112.4	113.7	115.9	110.1	102.7	92.2	81.5	108.4	115.9
	2024	108.9	87.5	98.0	96.2	106.3	112.9	114.3	116.5	110.6	103.2	92.6	81.9	108.9	116.5
	2025	109.4	87.9	98.4	96.6	106.8	113.4	114.8	117.0	111.1	103.6	93.0	82.2	109.4	117.0
	2026	109.9	88.3	98.8	97.0	107.3	113.9	115.3	117.5	111.5	104.1	93.4	82.6	109.9	117.5
	2027	110.3	88.7	99.2	97.4	107.7	114.3	115.7	118.0	112.0	104.5	93.7	82.9	110.3	118.0
Projected	2028	110.7	89.0	99.6	97.8	108.1	114.8	116.2	118.4	112.4	104.9	94.1	83.2	110.7	118.4
	2029	111.1	89.3	100.0	98.2	108.5	115.2	116.6	118.8	112.8	105.3	94.4	83.5	111.1	118.8
	2030	111.5	89.6	100.3	98.5	108.9	115.6	117.0	119.3	113.2	105.6	94.7	83.7	111.5	119.3
	2031	111.9	89.9	100.6	98.8	109.2	116.0	117.4	119.6	113.6	106.0	95.0	84.0	111.9	119.6
	2032	112.2	90.2	100.9	99.1	109.6	116.3	117.7	120.0	113.9	106.3	95.2	84.2	112.2	120.0
	2033	112.5	90.5	101.2	99.4	109.9	116.6	118.1	120.3	114.2	106.6	95.5	84.5	112.5	120.3
	2034	112.8	90.7	101.5	99.7	110.2	117.0	118.4	120.7	114.6	106.9	95.8	84.7	112.8	120.7
	2035	113.2	91.0	101.8	99.9	110.5	117.3	118.7	121.0	114.9	107.2	96.0	84.9	113.2	121.0
	2036	113.5	91.2	102.1	100.2	110.8	117.6	119.1	121.3	115.2	107.5	96.3	85.2	113.5	121.3
	2037	113.8	91.5	102.4	100.5	111.1	117.9	119.4	121.7	115.5	107.8	96.5	85.4	113.8	121.7

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	62.4%	58.9%	64.4%	63.9%	72.8%	67.6%	76.2%	72.0%	72.1%	65.2%	63.5%	67.8%	67.2%	58.7%
	2017	66.3%	69.2%	63.5%	63.0%	73.6%	66.7%	74.4%	71.5%	66.8%	68.3%	63.3%	74.6%	74.2%	58.7%
Projected	2018	55.9%	71.8%	60.4%	67.4%	72.2%	62.9%	72.1%	68.7%	68.3%	67.7%	63.6%	74.9%	62.6%	58.6%
	2019	56.1%	71.9%	60.5%	67.4%	72.3%	62.8%	71.9%	68.6%	68.2%	67.7%	63.9%	75.1%	62.6%	58.6%
	2020	56.3%	69.6%	60.5%	67.3%	72.0%	62.7%	71.8%	68.5%	68.3%	67.8%	63.9%	75.1%	62.6%	58.6%
	2021	56.3%	72.1%	60.5%	67.3%	72.0%	62.7%	71.8%	68.5%	68.3%	67.8%	63.9%	75.1%	62.6%	58.6%
	2022	56.3%	72.0%	60.5%	67.3%	72.0%	62.7%	71.9%	68.6%	68.3%	67.8%	63.9%	75.1%	62.6%	58.6%
	2023	56.3%	72.0%	60.5%	67.3%	72.0%	62.7%	71.9%	68.6%	68.3%	67.8%	63.9%	75.0%	62.6%	58.6%
	2024	56.3%	69.5%	60.5%	67.2%	72.0%	62.7%	71.9%	68.6%	68.3%	67.8%	63.8%	75.0%	62.6%	58.6%
	2025	56.3%	72.0%	60.5%	67.2%	71.9%	62.7%	71.9%	68.6%	68.3%	67.8%	63.8%	75.0%	62.6%	58.6%
	2026	56.3%	72.0%	60.4%	67.2%	71.9%	62.7%	71.9%	68.6%	68.4%	67.8%	63.8%	75.0%	62.6%	58.6%
	2027	56.3%	72.0%	60.4%	67.2%	71.9%	62.7%	71.9%	68.7%	68.4%	67.8%	63.8%	75.0%	62.6%	58.6%
Avg.	2008-2017	60.7%	63.8%	66.0%	65.2%	75.3%	66.3%	72.0%	70.8%	69.8%	66.2%	62.8%	71.2%	63.3%	58.6%
	2018-2027	56.2%	71.5%	60.5%	67.3%	72.0%	62.7%	71.9%	68.6%	68.3%	67.8%	63.8%	75.0%	62.6%	58.6%

FMPA 2018 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	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	99.5	102.6	95.0	96.1	81.5	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	93.6	78.2	80.1	96.1	109.8
	2017	66.4	77.0	85.4	94.3	105.6	100.9	106.6	111.8	109.0	96.4	79.5	75.0	85.4	111.8
Projected	2018	93.3	82.7	91.4	89.2	101.9	106.9	107.4	110.6	104.9	97.8	80.0	75.5	93.3	110.6
	2019	94.0	83.3	92.0	89.9	102.6	107.7	108.1	111.4	105.7	98.5	80.3	75.8	94.0	111.4
	2020	94.3	83.5	92.4	90.2	103.0	108.0	108.5	111.8	106.1	98.8	80.6	76.1	94.3	111.8
	2021	94.7	83.8	92.7	90.5	103.3	108.4	108.9	112.1	106.4	99.2	80.9	76.3	94.7	112.1
	2022	95.0	84.1	93.0	90.8	103.7	108.8	109.3	112.6	106.8	99.5	81.2	76.7	95.0	112.6
	2023	95.4	84.5	93.4	91.2	104.1	109.3	109.8	113.0	107.3	100.0	81.6	77.0	95.4	113.0
	2024	95.8	84.9	93.8	91.6	104.6	109.8	110.2	113.5	107.8	100.4	82.0	77.4	95.8	113.5
	2025	96.3	85.3	94.3	92.0	105.1	110.3	110.7	114.0	108.3	100.9	82.3	77.7	96.3	114.0
	2026	96.7	85.6	94.7	92.4	105.5	110.7	111.2	114.5	108.7	101.3	82.6	78.0	96.7	114.5
	2027	97.1	86.0	95.0	92.8	105.9	111.2	111.7	115.0	109.2	101.7	83.0	78.3	97.1	115.0
Projected	2028	97.4	86.3	95.4	93.1	106.3	111.6	112.1	115.4	109.6	102.1	83.3	78.6	97.4	115.4
	2029	97.8	86.6	95.7	93.5	106.7	112.0	112.5	115.9	110.0	102.5	83.6	78.9	97.8	115.9
	2030	98.1	86.9	96.1	93.8	107.1	112.4	112.9	116.3	110.4	102.8	83.8	79.1	98.1	116.3
	2031	98.5	87.2	96.4	94.1	107.5	112.8	113.3	116.6	110.7	103.1	84.1	79.4	98.5	116.6
	2032	98.7	87.5	96.7	94.4	107.8	113.1	113.6	117.0	111.0	103.5	84.3	79.6	98.7	117.0
	2033	99.0	87.7	97.0	94.7	108.1	113.4	113.9	117.3	111.4	103.8	84.6	79.8	99.0	117.3
	2034	99.3	88.0	97.2	94.9	108.4	113.8	114.2	117.7	111.7	104.0	84.8	80.0	99.3	117.7
	2035	99.6	88.2	97.5	95.2	108.7	114.1	114.6	118.0	112.0	104.3	85.0	80.3	99.6	118.0
	2036	99.9	88.4	97.8	95.5	109.0	114.4	114.9	118.3	112.3	104.6	85.3	80.5	99.9	118.3
	2037	100.1	88.7	98.0	95.7	109.3	114.7	115.2	118.6	112.6	104.9	85.5	80.7	100.1	118.6

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	100.0%	100.0%	93.6%	95.7%	94.9%	97.3%	98.3%	97.6%	97.9%	94.5%	92.7%	92.3%	98.4%	98.3%
	2017	79.8%	97.3%	96.6%	97.5%	99.6%	96.0%	98.3%	100.0%	100.0%	97.3%	88.5%	94.5%	96.6%	100.0%
Projected	2018	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2019	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2020	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2021	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2022	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2023	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2024	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2025	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2026	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2027	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%
	2008-2017	93.8%	97.7%	95.9%	95.5%	97.2%	96.5%	94.7%	97.3%	96.0%	96.7%	91.1%	94.2%	99.4%	97.4%
	2018-2027	88.0%	97.0%	95.8%	95.2%	98.4%	97.3%	96.5%	97.5%	97.5%	97.3%	88.5%	94.5%	88.0%	97.5%

FMPA 2018 Load Forecast - Base Case - Ft Pierce

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Res. Lights Sales (MWh)	% Chg	City Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	224,017		23,467		9,546		336,746		5,131		65.6		5,977		5,673		572,413		18,498	3.1%	590,911	
	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	0.9%	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	3.8%	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	4.0%	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	3.3%	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	4.1%	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	4.2%	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	3.4%	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	4.6%	583,151	4.3%
	2017	235,521	-1.3%	23,205	-0.1%	10,150	-1.3%	308,779	0.4%	5,083	0.0%	60.7	0.4%	6,227	3.3%	3,900	-2.0%	554,427	-0.3%	15,208	2.7%	569,635	-2.3%
Projected	2018	233,227	-1.0%	23,319	0.5%	10,002	-1.5%	314,931	2.0%	5,146	1.2%	61.2	0.7%	6,227	0.0%	3,900	0.0%	558,285	0.7%	22,274	3.8%	580,559	1.9%
	2019	235,896	1.1%	23,479	0.7%	10,047	0.5%	316,482	0.5%	5,179	0.6%	61.1	-0.1%	6,227	0.0%	3,900	0.0%	562,504	0.8%	22,444	3.8%	584,948	0.8%
	2020	237,923	0.9%	23,611	0.6%	10,077	0.3%	316,930	0.1%	5,200	0.4%	60.9	-0.3%	6,227	0.0%	3,900	0.0%	564,980	0.4%	22,487	3.8%	587,467	0.4%
	2021	239,339	0.6%	23,735	0.5%	10,084	0.1%	317,562	0.2%	5,220	0.4%	60.8	-0.2%	6,227	0.0%	3,900	0.0%	567,029	0.4%	22,564	3.8%	589,593	0.4%
	2022	240,789	0.6%	23,852	0.5%	10,095	0.1%	318,136	0.2%	5,240	0.4%	60.7	-0.2%	6,227	0.0%	3,900	0.0%	569,052	0.4%	22,643	3.8%	591,695	0.4%
	2023	242,578	0.7%	23,963	0.5%	10,123	0.3%	318,674	0.2%	5,259	0.4%	60.6	-0.2%	6,227	0.0%	3,900	0.0%	571,379	0.4%	22,734	3.8%	594,113	0.4%
	2024	244,683	0.9%	24,069	0.4%	10,166	0.4%	319,137	0.1%	5,277	0.3%	60.5	-0.2%	6,227	0.0%	3,900	0.0%	573,947	0.4%	22,833	3.8%	596,780	0.4%
	2025	246,905	0.9%	24,171	0.4%	10,215	0.5%	319,522	0.1%	5,294	0.3%	60.4	-0.2%	6,227	0.0%	3,900	0.0%	576,554	0.5%	22,933	3.8%	599,487	0.5%
	2026	249,111	0.9%	24,268	0.4%	10,265	0.5%	319,830	0.1%	5,310	0.3%	60.2	-0.2%	6,227	0.0%	3,900	0.0%	579,068	0.4%	23,029	3.8%	602,097	0.4%
	2027	251,251	0.9%	24,359	0.4%	10,315	0.5%	320,042	0.1%	5,325	0.3%	60.1	-0.2%	6,227	0.0%	3,900	0.0%	581,420	0.4%	23,119	3.8%	604,539	0.4%
	2028	253,355	0.8%	24,447	0.4%	10,363	0.5%	320,200	0.0%	5,339	0.3%	60.0	-0.2%	6,227	0.0%	3,900	0.0%	583,682	0.4%	23,205	3.8%	606,886	0.4%
	2029	255,419	0.8%	24,534	0.4%	10,411	0.5%	320,307	0.0%	5,352	0.3%	59.8	-0.2%	6,227	0.0%	3,900	0.0%	585,853	0.4%	23,287	3.8%	609,140	0.4%
	2030	257,436	0.8%	24,618	0.3%	10,457	0.4%	320,355	0.0%	5,365	0.2%	59.7	-0.2%	6,227	0.0%	3,900	0.0%	587,919	0.4%	23,365	3.8%	611,284	0.4%
	2031	259,382	0.8%	24,698	0.3%	10,502	0.4%	320,338	0.0%	5,377	0.2%	59.6	-0.2%	6,227	0.0%	3,900	0.0%	589,847	0.3%	23,438	3.8%	613,285	0.3%
	2032	261,251	0.7%	24,773	0.3%	10,546	0.4%	320,268	0.0%	5,388	0.2%	59.4	-0.2%	6,227	0.0%	3,900	0.0%	591,646	0.3%	23,505	3.8%	615,151	0.3%
	2033	263,074	0.7%	24,847	0.3%	10,588	0.4%	320,167	0.0%	5,399	0.2%	59.3	-0.2%	6,227	0.0%	3,900	0.0%	593,368	0.3%	23,570	3.8%	616,938	0.3%
	2034	264,878	0.7%	24,920	0.3%	10,629	0.4%	320,036	0.0%	5,409	0.2%	59.2	-0.2%	6,227	0.0%	3,900	0.0%	595,040	0.3%	23,633	3.8%	618,673	0.3%
	2035	266,681	0.7%	24,991	0.3%	10,671	0.4%	319,888	0.0%	5,420	0.2%	59.0	-0.2%	6,227	0.0%	3,900	0.0%	596,695	0.3%	23,695	3.8%	620,391	0.3%
	2036	268,495	0.7%	25,061	0.3%	10,714	0.4%	319,719	-0.1%	5,430	0.2%	58.9	-0.2%	6,227	0.0%	3,900	0.0%	598,342	0.3%	23,757	3.8%	622,099	0.3%
	2037	270,322	0.7%	25,130	0.3%	10,757	0.4%	319,504	-0.1%	5,439	0.2%	58.7	-0.2%	6,227	0.0%	3,900	0.0%	599,953	0.3%	23,817	3.8%	623,770	0.3%
CAGR	2008-2017		0.6%		-0.1%		0.7%		-1.0%		-0.1%		-0.9%		0.5%		-4.1%		-0.4%		3.4%		-0.4%
	2018-2027		0.8%		0.5%		0.3%		0.2%		0.4%		-0.2%		0.0%		0.0%		0.5%		3.8%		0.5%
	2028-2037		0.7%		0.3%		0.4%		0.0%		0.2%		-0.2%		0.0%		0.0%		0.3%		3.8%		0.3%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	184.6	-	72.7	-	64.6	-	2.65	-	3,519	-	4,632	-	63,746	-
1998	187.5	1.5%	74.4	2.4%	66.5	2.8%	2.74	3.4%	3,551	0.9%	4,913	6.1%	66,055	3.6%
1999	190.3	1.5%	76.0	2.1%	67.1	0.9%	2.87	4.9%	3,700	4.2%	5,043	2.6%	66,400	0.5%
2000	193.5	1.7%	77.3	1.8%	69.1	3.0%	3.00	4.5%	3,797	2.6%	5,307	5.2%	68,654	3.4%
2001	198.5	2.6%	80.4	4.0%	70.5	2.0%	2.95	-1.8%	4,121	8.5%	5,550	4.6%	69,019	0.5%
2002	205.8	3.7%	82.8	3.0%	75.2	6.8%	2.84	-3.8%	4,535	10.0%	5,850	5.4%	70,663	2.4%
2003	214.9	4.4%	86.5	4.5%	80.5	7.0%	2.93	3.3%	4,858	7.1%	6,184	5.7%	71,448	1.1%
2004	228.5	6.3%	91.3	5.5%	90.4	12.4%	3.70	26.3%	5,585	15.0%	7,154	15.7%	78,356	9.7%
2005	242.0	5.9%	96.4	5.6%	97.2	7.5%	3.54	-4.4%	6,098	9.2%	7,653	7.0%	79,387	1.3%
2006	255.3	5.5%	101.1	4.9%	102.2	5.1%	3.83	8.3%	6,438	5.6%	8,079	5.6%	79,894	0.6%
2007	266.9	4.5%	105.7	4.6%	102.9	0.7%	3.35	-12.5%	6,423	-0.2%	8,312	2.9%	78,616	-1.6%
2008	273.2	2.4%	107.3	1.5%	100.0	-2.9%	2.89	-13.7%	6,066	-5.6%	8,617	3.7%	80,277	2.1%
2009	274.3	0.4%	106.9	-0.4%	95.6	-4.4%	2.32	-19.9%	5,916	-2.5%	8,354	-3.1%	78,142	-2.7%
2010	278.3	1.4%	108.9	1.9%	95.2	-0.4%	2.31	-0.1%	5,728	-3.2%	8,294	-0.7%	76,165	-2.5%
2011	280.8	0.9%	110.1	1.1%	97.5	2.4%	2.42	4.8%	5,786	1.0%	8,641	4.2%	78,462	3.0%
2012	283.4	0.9%	112.0	1.7%	99.1	1.7%	2.63	8.4%	5,901	2.0%	8,795	1.8%	78,490	0.0%
2013	286.0	0.9%	113.5	1.3%	101.0	1.9%	2.93	11.6%	5,897	-0.1%	8,848	0.6%	77,927	-0.7%
2014	289.4	1.2%	115.0	1.3%	105.0	3.9%	3.27	11.6%	5,998	1.7%	9,144	3.3%	79,523	2.0%
2015	293.9	1.6%	116.3	1.2%	108.1	3.0%	3.44	5.1%	6,363	6.1%	9,711	6.2%	83,480	5.0%
2016	297.9	1.4%	118.7	2.0%	109.6	1.4%	3.44	0.0%	6,502	2.2%	10,000	3.0%	84,274	1.0%
2017	304.5	2.2%	121.7	2.6%	111.8	2.0%	3.45	0.2%	6,684	2.8%	10,364	3.6%	85,162	1.1%
2018	311.0	2.2%	124.6	2.4%	114.0	2.0%	3.45	0.0%	6,869	2.8%	10,739	3.6%	86,196	1.2%
2019	317.7	2.1%	127.4	2.2%	116.2	1.9%	3.45	-0.1%	7,056	2.7%	11,116	3.5%	87,287	1.3%
2020	324.3	2.1%	130.1	2.1%	118.4	1.9%	3.44	-0.1%	7,246	2.7%	11,509	3.5%	88,491	1.4%
2021	331.0	2.0%	132.7	2.0%	120.5	1.8%	3.44	-0.2%	7,438	2.6%	11,908	3.5%	89,751	1.4%
2022	337.7	2.0%	135.2	1.9%	122.8	1.9%	3.43	-0.3%	7,634	2.6%	12,330	3.5%	91,229	1.6%
2023	344.4	2.0%	137.6	1.8%	125.0	1.8%	3.42	-0.3%	7,833	2.6%	12,761	3.5%	92,771	1.7%
2024	351.3	2.0%	139.9	1.7%	127.3	1.8%	3.40	-0.4%	8,034	2.6%	13,192	3.4%	94,298	1.6%
2025	358.2	2.0%	142.2	1.6%	129.5	1.8%	3.39	-0.4%	8,238	2.5%	13,632	3.3%	95,863	1.7%
2026	364.7	1.8%	144.3	1.5%	131.6	1.6%	3.37	-0.5%	8,437	2.4%	14,058	3.1%	97,403	1.6%
2027	371.3	1.8%	146.4	1.5%	133.7	1.6%	3.36	-0.5%	8,640	2.4%	14,489	3.1%	98,941	1.6%
2028	377.9	1.8%	148.5	1.4%	135.9	1.6%	3.34	-0.6%	8,846	2.4%	14,925	3.0%	100,492	1.6%
2029	384.6	1.8%	150.6	1.4%	138.0	1.6%	3.32	-0.6%	9,054	2.4%	15,361	2.9%	102,031	1.5%
2030	391.3	1.7%	152.5	1.3%	140.2	1.5%	3.30	-0.5%	9,264	2.3%	15,791	2.8%	103,516	1.5%
2031	397.8	1.7%	154.4	1.2%	142.2	1.5%	3.28	-0.6%	9,474	2.3%	16,214	2.7%	105,002	1.4%
2032	404.3	1.6%	156.3	1.2%	144.3	1.5%	3.26	-0.6%	9,686	2.2%	16,644	2.6%	106,513	1.4%
2033	410.8	1.6%	158.1	1.2%	146.4	1.5%	3.24	-0.6%	9,902	2.2%	17,078	2.6%	108,032	1.4%
2034	417.3	1.6%	159.9	1.1%	148.5	1.4%	3.22	-0.6%	10,121	2.2%	17,522	2.6%	109,590	1.4%
2035	423.9	1.6%	161.7	1.1%	150.6	1.4%	3.20	-0.6%	10,343	2.2%	17,986	2.6%	111,245	1.5%
2036	430.2	1.5%	163.4	1.1%	152.7	1.4%	3.18	-0.6%	10,565	2.1%	18,444	2.5%	112,866	1.5%
2037	436.6	1.5%	165.2	1.1%	154.8	1.4%	3.16	-0.7%	10,791	2.1%	18,891	2.4%	114,322	1.3%
Average Percent Change														
2007-2017		1.3%		1.4%		0.8%		0.3%		0.4%		2.2%		0.8%
2018-2027		2.0%		1.8%		1.8%		-0.3%		2.6%		3.4%		1.5%
2028-2037		1.6%		1.2%		1.5%		-0.6%		2.2%		2.7%		1.5%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Ft. Pierce (Coop)

Legend: HDD, CDD, Normal HDD, Normal CDD
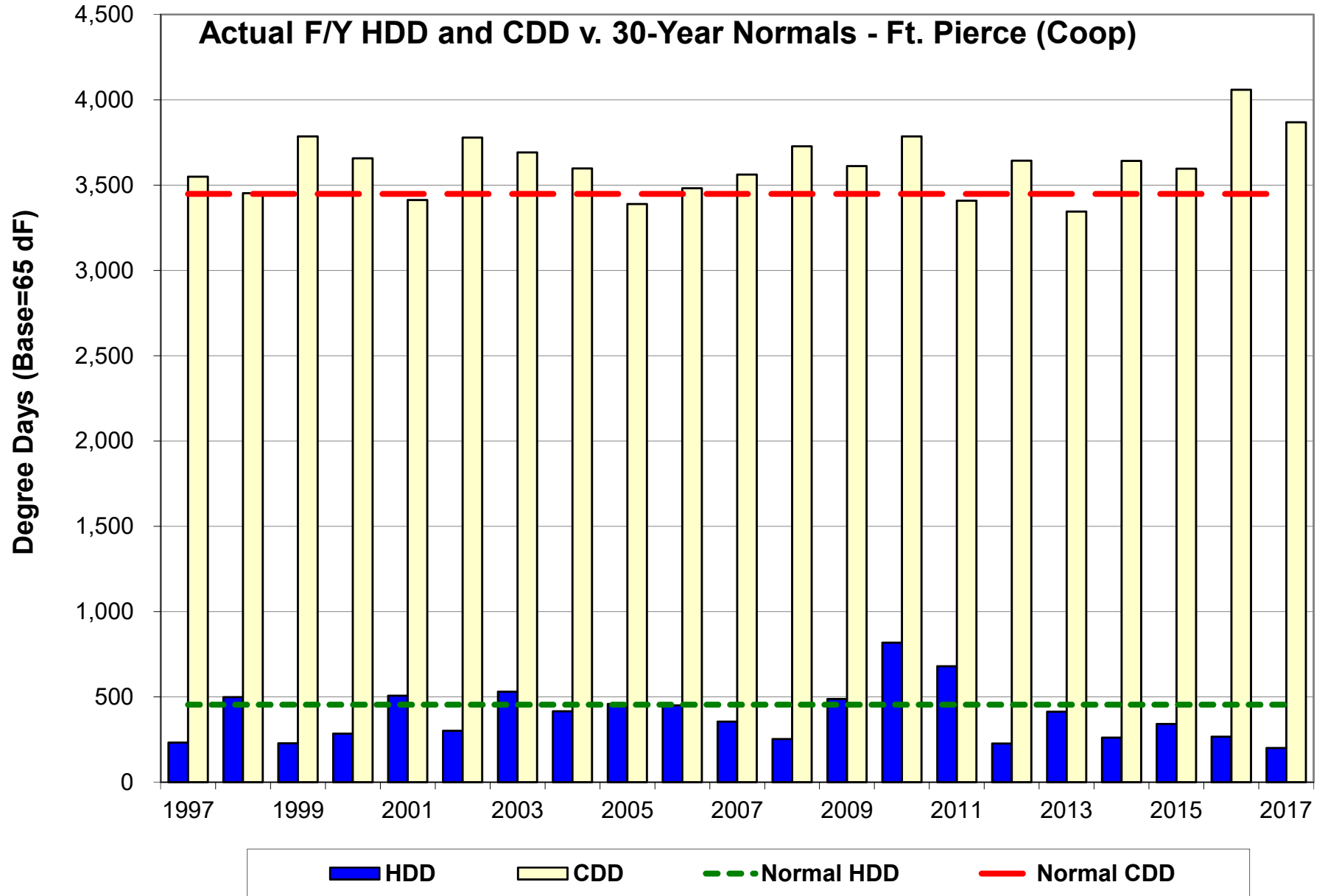
FMPA 2018 Load Forecast - Base Case
Green Cove Springs (Limited by CROD)*
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

| | | Net Energy for Load (FY) | | | | | Coincident Peak Demand w/ARP Seasonal CP [1,2] | | | | | | | | | |
| | | | | | | | 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	Percent Diff.
Historical	2008	126,805	-	127,600	-	0.6%	26.0	-	28.1	-	7.9%	26.9	-	26.7	-	-0.8%
	2009	127,346	0.4%	126,900	-0.5%	-0.4%	31.4	20.7%	29.8	6.1%	-5.2%	27.0	0.5%	27.1	1.8%	0.5%
	2010	131,721	3.4%	124,677	-1.8%	-5.3%	33.6	7.0%	28.0	-5.9%	-16.6%	26.8	-0.6%	25.7	-5.3%	-4.2%
	2011	124,697	-5.3%	119,074	-4.5%	-4.5%	29.6	-11.9%	31.3	11.5%	5.6%	23.0	-14.4%	21.0	-18.1%	-8.4%
	2012	114,590	-8.1%	115,239	-3.2%	0.6%	26.6	-10.3%	25.9	-17.2%	-2.5%	24.0	4.7%	25.2	19.7%	4.8%
	2013	113,318	-1.1%	113,199	-1.8%	-0.1%	24.4	-8.3%	28.5	10.1%	17.0%	24.2	0.5%	24.9	-1.4%	2.9%
	2014	110,365	-2.6%	110,215	-2.6%	-0.1%	24.2	-0.6%	27.7	-2.8%	14.5%	21.4	-11.4%	21.8	-12.1%	2.0%
	2015	111,412	0.9%	108,587	-1.5%	-2.5%	27.5	13.7%	27.9	0.8%	1.5%	23.1	7.7%	26.1	19.7%	13.4%
	2016	113,675	2.0%	110,227	1.5%	-3.0%	19.6	-28.8%	28.2	0.8%	43.6%	24.4	5.9%	24.7	-5.5%	1.1%
	2017	109,525	-3.7%	110,171	-0.1%	0.6%	16.8	-14.1%	24.6	-12.6%	46.1%	23.6	-3.4%	25.4	3.0%	7.9%
Projected	2018	113,247	3.4%	113,247	2.8%		26.5	57.2%	26.5	7.6%		23.7	0.6%	23.7	-6.7%	
	2019			115,781	2.2%				27.2	2.6%				24.4	2.6%	
	2020			108,885	-6.0%				25.6	-5.8%				22.8	-6.2%	
	2021			105,251	-3.3%				25.6	0.0%				22.8	0.0%	
	2022			105,406	0.1%				25.6	0.0%				22.9	0.0%	
	2023			105,500	0.1%				25.6	0.0%				22.9	0.0%	
	2024			105,651	0.1%				25.6	0.0%				22.9	0.0%	
	2025			105,648	0.0%				25.6	0.0%				22.9	0.0%	
	2026			105,784	0.1%				25.6	0.0%				22.9	0.0%	
	2027			105,854	0.1%				25.6	0.0%				22.9	0.0%	
	2028			105,972	0.1%				25.6	0.0%				22.9	0.0%	
	2029			105,959	0.0%				25.6	0.0%				22.9	0.0%	
	2030			106,064	0.1%				25.6	0.0%				22.9	0.0%	
	2031			106,140	0.1%				25.6	0.0%				22.9	0.0%	
	2032			106,242	0.1%				25.6	0.0%				22.9	0.0%	
	2033			106,202	0.0%				25.6	0.0%				22.9	0.0%	
	2034			106,311	0.1%				25.6	0.0%				22.9	0.0%	
	2035			106,364	0.0%				25.6	0.0%				22.9	0.0%	
	2036			106,471	0.1%				25.6	0.0%				22.9	0.0%	
	2037			106,432	0.0%				25.6	0.0%				22.9	0.0%	
CAGR [3]	2008-2017		-1.6%		-1.6%			-4.7%		-1.5%			-1.4%		-0.5%	
	2018-2027				-0.7%					-0.4%					-0.4%	
	2028-2037				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

* GCS's CROD is 25.60 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 2018 Load Forecast - Base Case
Green Cove Springs (Limited by CROD)*
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	126,805	-	126,805	-	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%	113,675	2.0%	26.1	25.1	26.1	25.1	19.6	24.4	24.8	24.4
	2017	109,525	-3.7%	113,678	0.0%	23.8	25.0	27.2	24.7	16.8	23.6	24.5	24.0
Projected	2018	113,247	3.4%	117,261	3.2%	27.0	24.7	28.1	25.6	26.5	23.7	25.3	24.8
	2019	115,781	2.2%	122,709	4.6%	27.7	25.4	29.2	26.6	27.2	24.4	26.3	25.8
	2020	108,885	-6.0%	114,643	-6.6%	25.6	23.8	27.6	25.1	25.6	22.8	25.2	24.3
	2021	105,251	-3.3%	111,162	-3.0%	25.6	23.8	27.6	25.1	25.6	22.8	25.3	24.3
	2022	105,406	0.1%	112,613	1.3%	25.6	23.8	27.6	25.1	25.6	22.9	25.6	24.3
	2023	105,500	0.1%	111,908	-0.6%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2024	105,651	0.1%	111,697	-0.2%	25.6	23.8	27.6	25.1	25.6	22.9	25.4	24.3
	2025	105,648	0.0%	112,870	1.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.6	24.3
	2026	105,784	0.1%	112,263	-0.5%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2027	105,854	0.1%	112,338	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2028	105,972	0.1%	112,498	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2029	105,959	0.0%	112,456	0.0%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2030	106,064	0.1%	112,576	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2031	106,140	0.1%	112,643	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2032	106,242	0.1%	112,764	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2033	106,202	0.0%	112,698	-0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.1	24.3
	2034	106,311	0.1%	112,811	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2035	106,364	0.0%	112,876	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2036	106,471	0.1%	113,001	0.1%	25.6	23.8	27.6	25.1	25.6	22.9	25.2	24.3
	2037	106,432	0.0%			25.6	23.8			25.6	22.9		
CAGR [1]	Historical		-1.6%		-1.4%	-1.0%	-0.9%	0.0%	-0.9%	-7.5%	-1.7%	-3.4%	-1.4%
	1st 10 Prj Yrs		-0.7%		-0.1%	-0.6%	-0.4%	0.2%	0.2%	-0.4%	-0.4%	0.3%	0.1%
	2nd 10 Prj Yrs		0.0%		0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

* GCS's CROD is 25.60 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 2018 Load Forecast - Base Case
Green Cove Springs (Limited by 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	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	8,582	7,621	8,143	113,620	113,675
	2017	8,490	7,083	8,151	8,569	10,035	10,132	11,416	11,578	9,725	8,883	8,096	8,927	111,086	109,525
Projected	2018	9,703	8,194	8,243	8,041	9,401	10,357	11,406	11,618	10,378	9,088	8,318	9,155	113,902	113,247
	2019	9,939	8,392	8,431	8,216	9,602	10,574	11,639	11,850	10,577	9,474	8,673	9,533	116,900	115,781
	2020	9,278	7,645	7,439	7,298	8,658	9,659	10,676	10,888	9,664	8,318	7,528	8,341	105,391	108,885
	2021	9,121	7,515	7,457	7,315	8,677	9,681	10,699	10,911	9,688	8,341	7,550	8,363	105,318	105,251
	2022	9,143	7,527	7,470	7,326	8,686	9,688	10,704	10,916	9,694	8,349	7,559	8,371	105,432	105,406
	2023	9,149	7,536	7,480	7,335	8,694	9,696	10,710	10,920	9,701	8,358	7,569	8,380	105,528	105,500
	2024	9,157	7,682	7,481	7,335	8,691	9,690	10,701	10,911	9,695	8,355	7,568	8,377	105,643	105,651
	2025	9,151	7,555	7,501	7,354	8,711	9,710	10,721	10,931	9,714	8,374	7,587	8,396	105,705	105,648
	2026	9,168	7,568	7,514	7,364	8,720	9,717	10,726	10,934	9,718	8,378	7,592	8,399	105,797	105,784
	2027	9,169	7,577	7,524	7,373	8,728	9,724	10,730	10,937	9,723	8,384	7,598	8,404	105,870	105,854
Projected	2028	9,172	7,720	7,522	7,370	8,723	9,717	10,720	10,926	9,715	8,380	7,596	8,400	105,962	105,972
	2029	9,165	7,595	7,542	7,389	8,742	9,736	10,738	10,944	9,732	8,396	7,611	8,415	106,005	105,959
	2030	9,179	7,601	7,550	7,396	8,748	9,741	10,742	10,947	9,737	8,403	7,619	8,421	106,085	106,064
	2031	9,184	7,611	7,560	7,404	8,756	9,747	10,746	10,950	9,740	8,406	7,622	8,423	106,149	106,140
	2032	9,184	7,754	7,558	7,401	8,751	9,739	10,735	10,937	9,731	8,399	7,617	8,416	106,222	106,242
	2033	9,174	7,624	7,574	7,417	8,768	9,757	10,753	10,955	9,748	8,417	7,634	8,433	106,253	106,202
	2034	9,191	7,631	7,582	7,424	8,773	9,762	10,756	10,958	9,752	8,421	7,639	8,437	106,325	106,311
	2035	9,193	7,636	7,588	7,429	8,779	9,766	10,759	10,960	9,756	8,427	7,645	8,443	106,382	106,364
	2036	9,197	7,777	7,585	7,425	8,773	9,757	10,747	10,948	9,746	8,420	7,641	8,437	106,453	106,471
	2037	9,188	7,647	7,601	7,440	8,789	9,774	10,765	10,966	9,764	8,437	7,657	8,453	106,480	106,432

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.5%	7.4%	7.0%	7.1%	8.5%	9.7%	10.7%	10.5%	9.3%	7.6%	6.7%	7.2%	100.0%
	2017	7.6%	6.4%	7.3%	7.7%	9.0%	9.1%	10.3%	10.4%	8.8%	8.0%	7.3%	8.0%	100.0%
Projected	2018	8.5%	7.2%	7.2%	7.1%	8.3%	9.1%	10.0%	10.2%	9.1%	8.0%	7.3%	8.0%	100.0%
	2019	8.5%	7.2%	7.2%	7.0%	8.2%	9.0%	10.0%	10.1%	9.0%	8.1%	7.4%	8.2%	100.0%
	2020	8.8%	7.3%	7.1%	6.9%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.1%	7.9%	100.0%
	2021	8.7%	7.1%	7.1%	6.9%	8.2%	9.2%	10.2%	10.4%	9.2%	7.9%	7.2%	7.9%	100.0%
	2022	8.7%	7.1%	7.1%	6.9%	8.2%	9.2%	10.2%	10.4%	9.2%	7.9%	7.2%	7.9%	100.0%
	2023	8.7%	7.1%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	7.9%	100.0%
	2024	8.7%	7.3%	7.1%	6.9%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	7.9%	100.0%
	2025	8.7%	7.1%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	7.9%	100.0%
	2026	8.7%	7.2%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	7.9%	100.0%
	2027	8.7%	7.2%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	7.9%	100.0%
Avg.	2008-2017	8.3%	7.2%	7.3%	7.3%	8.7%	9.4%	10.0%	10.2%	9.2%	7.8%	7.0%	7.6%	100.0%
	2018-2027	8.6%	7.2%	7.1%	7.0%	8.2%	9.2%	10.1%	10.3%	9.2%	7.9%	7.2%	8.0%	100.0%

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

* GCS's CROD is 25.60 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 2018 Load Forecast - Base Case
Green Cove Springs (Limited by 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	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	22.0	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	18.5	16.8	18.6	26.1	25.1
	2017	23.8	17.1	21.8	21.2	23.0	22.7	24.0	25.0	23.1	20.4	16.6	18.6	23.8	25.0
Projected	2018	27.0	24.7	20.6	18.4	21.7	24.0	23.4	24.7	22.6	20.2	17.0	19.1	27.0	24.7
	2019	27.7	25.3	21.2	18.9	22.2	24.6	24.0	25.4	23.2	20.7	17.7	19.8	27.7	25.4
	2020	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.2	15.8	17.9	25.6	23.8
	2021	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.2	15.8	17.9	25.6	23.8
	2022	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.2	15.8	17.9	25.6	23.8
	2023	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.3	15.9	18.0	25.6	23.8
	2024	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.3	15.8	17.9	25.6	23.8
	2025	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.3	15.9	17.9	25.6	23.8
	2026	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.7	19.3	15.8	17.9	25.6	23.8
	2027	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.8	19.3	15.9	18.0	25.6	23.8
Projected	2028	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.8	19.3	15.8	17.9	25.6	23.8
	2029	25.6	23.7	19.6	17.4	20.7	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8
	2030	25.6	23.8	19.7	17.4	20.7	23.1	22.5	23.8	21.8	19.3	15.8	17.9	25.6	23.8
	2031	25.6	23.8	19.7	17.4	20.7	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8
	2032	25.6	23.8	19.7	17.4	20.8	23.1	22.5	23.8	21.8	19.3	15.8	17.9	25.6	23.8
	2033	25.6	23.8	19.7	17.5	20.8	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8
	2034	25.6	23.8	19.7	17.5	20.8	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8
	2035	25.6	23.8	19.7	17.5	20.8	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8
	2036	25.6	23.8	19.7	17.5	20.8	23.1	22.5	23.8	21.8	19.3	15.8	17.9	25.6	23.8
	2037	25.6	23.8	19.7	17.5	20.8	23.1	22.5	23.8	21.8	19.3	15.9	17.9	25.6	23.8

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	49.5%	48.7%	64.0%	56.5%	63.5%	60.6%	67.4%	63.8%	67.2%	62.4%	61.0%	61.0%	49.7%	51.7%
	2017	47.9%	61.6%	50.3%	54.4%	64.8%	60.0%	65.9%	62.3%	58.4%	58.4%	65.5%	66.6%	53.2%	50.8%
Projected	2018	48.3%	49.4%	53.7%	58.8%	64.6%	58.0%	67.7%	63.2%	63.6%	60.4%	65.6%	66.6%	48.1%	52.6%
	2019	48.2%	49.3%	53.6%	58.5%	64.3%	57.7%	67.3%	62.8%	63.2%	61.4%	66.0%	66.8%	48.1%	52.6%
	2020	48.7%	46.3%	51.0%	56.5%	62.2%	56.1%	65.9%	61.4%	61.8%	58.1%	64.0%	64.7%	47.0%	50.5%
	2021	47.9%	47.1%	51.1%	56.6%	62.3%	56.3%	66.0%	61.5%	61.9%	58.3%	64.1%	64.8%	47.0%	50.4%
	2022	48.0%	47.2%	51.2%	56.6%	62.4%	56.3%	66.1%	61.6%	61.9%	58.3%	64.1%	64.8%	47.0%	50.5%
	2023	48.0%	47.2%	51.3%	56.7%	62.4%	56.3%	66.1%	61.6%	62.0%	58.3%	64.1%	64.8%	47.1%	50.5%
	2024	48.1%	46.5%	51.3%	56.7%	62.4%	56.3%	66.0%	61.5%	61.9%	58.3%	64.2%	64.9%	47.1%	50.6%
	2025	48.1%	47.4%	51.4%	56.8%	62.5%	56.4%	66.1%	61.6%	62.0%	58.4%	64.3%	65.0%	47.1%	50.6%
	2026	48.1%	47.4%	51.4%	56.8%	62.6%	56.5%	66.2%	61.7%	62.1%	58.4%	64.4%	65.1%	47.2%	50.7%
	2027	48.1%	47.5%	51.5%	56.9%	62.6%	56.5%	66.2%	61.7%	62.1%	58.5%	64.4%	65.0%	47.2%	50.7%
Avg.	2008-2017	49.1%	49.9%	59.3%	60.2%	68.1%	60.7%	67.1%	63.8%	64.0%	60.4%	58.2%	60.8%	48.2%	52.7%
	2018-2027	48.2%	47.5%	51.8%	57.1%	62.8%	56.6%	66.4%	61.9%	62.3%	58.8%	64.5%	65.3%	47.3%	51.0%

* GCS's CROD is 25.60 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 2018 Load Forecast - Base Case
Green Cove Springs (Limited by 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	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	22.9	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	14.4	16.8	14.8	19.6	24.4
	2017	23.7	15.3	16.8	21.0	22.7	22.7	24.0	23.6	20.7	19.4	16.1	16.9	16.8	23.6
Projected	2018	26.5	24.1	18.7	17.7	21.3	23.4	22.2	23.7	21.5	19.2	16.6	17.3	26.5	23.7
	2019	27.2	24.8	19.2	18.1	21.9	24.1	22.8	24.4	22.1	19.7	17.2	18.0	27.2	24.4
	2020	25.6	23.2	17.6	16.6	20.4	22.5	21.3	22.8	20.6	18.2	15.3	16.1	25.6	22.8
	2021	25.6	23.2	17.6	16.7	20.4	22.5	21.3	22.8	20.6	18.2	15.4	16.1	25.6	22.8
	2022	25.6	23.2	17.6	16.7	20.4	22.5	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2023	25.6	23.2	17.6	16.7	20.4	22.5	21.3	22.9	20.6	18.2	15.4	16.2	25.6	22.9
	2024	25.6	23.2	17.7	16.7	20.4	22.5	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2025	25.6	23.2	17.7	16.7	20.4	22.5	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2026	25.6	23.2	17.7	16.7	20.4	22.5	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2027	25.6	23.2	17.7	16.7	20.4	22.6	21.3	22.9	20.6	18.2	15.4	16.2	25.6	22.9
Projected	2028	25.6	23.2	17.7	16.7	20.4	22.6	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2029	25.6	23.2	17.7	16.7	20.4	22.6	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2030	25.6	23.2	17.7	16.7	20.4	22.6	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2031	25.6	23.2	17.7	16.7	20.4	22.6	21.3	22.9	20.6	18.2	15.4	16.1	25.6	22.9
	2032	25.6	23.2	17.7	16.7	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.1	25.6	22.9
	2033	25.6	23.2	17.7	16.7	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.1	25.6	22.9
	2034	25.6	23.2	17.7	16.7	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.1	25.6	22.9
	2035	25.6	23.2	17.7	16.7	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.2	25.6	22.9
	2036	25.6	23.2	17.7	16.8	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.1	25.6	22.9
	2037	25.6	23.2	17.7	16.8	20.4	22.6	21.4	22.9	20.6	18.3	15.4	16.1	25.6	22.9

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	78.0%	100.0%	80.0%	75.1%	97.3%
	2017	99.6%	89.4%	77.4%	98.9%	98.6%	100.0%	100.0%	94.4%	89.3%	94.9%	97.2%	90.7%	70.7%	94.4%
Projected	2018	98.0%	97.9%	90.7%	96.2%	98.4%	97.6%	95.0%	96.1%	95.0%	94.9%	97.2%	90.7%	98.0%	96.1%
	2019	98.0%	97.9%	90.7%	96.2%	98.4%	97.6%	95.0%	96.1%	95.0%	94.9%	97.2%	90.7%	98.0%	96.1%
	2020	100.0%	97.7%	89.9%	95.8%	98.3%	97.4%	94.7%	95.9%	94.7%	94.5%	97.0%	89.9%	100.0%	95.9%
	2021	100.0%	97.7%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.5%	97.0%	89.9%	100.0%	95.9%
	2022	100.0%	97.7%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.5%	97.0%	89.9%	100.0%	95.9%
	2023	100.0%	97.7%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.5%	97.0%	89.9%	100.0%	95.9%
	2024	100.0%	97.7%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.5%	97.0%	89.9%	100.0%	95.9%
	2025	100.0%	97.7%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.6%	97.0%	89.9%	100.0%	95.9%
	2026	100.0%	97.8%	90.0%	95.9%	98.3%	97.5%	94.7%	95.9%	94.7%	94.6%	97.0%	89.9%	100.0%	95.9%
	2027	100.0%	97.8%	90.0%	95.9%	98.3%	97.5%	94.8%	95.9%	94.7%	94.6%	97.0%	90.0%	100.0%	95.9%
	2008-2017	98.3%	97.1%	91.6%	97.4%	96.8%	98.3%	97.0%	96.0%	96.0%	95.5%	86.8%	91.7%	91.7%	95.6%
	2018-2027	99.6%	97.8%	90.1%	95.9%	98.3%	97.5%	94.8%	95.9%	94.8%	94.6%	97.0%	90.1%	99.6%	95.9%

* GCS's CROD is 25.60 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 2018 Load Forecast - Base Case - Green Cove Springs

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	GS Non-Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	GS Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	Large Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	City Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	43,360		3,134		13,836		15,087		524		28.8		48,422		110		442		10,863		3		3,621		3,167		120,899		5,906	4.7%	126,805	
	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	4.3%	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	6.7%	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	6.4%	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	6.2%	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	8.9%	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	13.3%	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	3.4%	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	2.3%	113,675	2.0%
	2017	45,166	-8.0%	3,374	2.0%	13,386	-9.9%	11,292	-2.4%	570	2.4%	19.8	-4.7%	43,029	-7.9%	95	0.4%	454	-8.3%	0	0.0%	0	0.0%	0	0.0%	3,578	-1.1%	103,065	-7.2%	6,460	5.9%	109,525	-3.7%
Projected	2018	48,666	7.7%	3,448	2.2%	14,115	5.4%	11,522	2.0%	579	1.7%	19.9	0.3%	43,683	1.5%	97	2.1%	451	-0.6%	0	0.0%	0	0.0%	0	0.0%	3,562	-0.4%	107,433	4.2%	5,814	5.1%	113,247	3.4%
	2019	49,966	2.7%	3,518	2.0%	14,203	0.6%	11,744	1.9%	585	0.9%	20.1	1.0%	44,549	2.0%	98	1.2%	454	0.7%	0	0.0%	0	0.0%	0	0.0%	3,541	-0.6%	109,800	2.2%	5,981	5.2%	115,781	2.2%
	2020	50,939	1.9%	3,578	1.7%	14,238	0.2%	11,923	1.5%	590	0.9%	20.2	0.6%	45,183	1.4%	99	0.9%	456	0.5%	2,697	0.0%	1	0.0%	2,551	0.0%	3,592	1.5%	114,335	4.1%	6,378	5.3%	120,714	4.3%
	2021	51,999	2.1%	3,636	1.6%	14,301	0.4%	12,117	1.6%	597	1.1%	20.3	0.5%	45,834	1.4%	100	0.8%	459	0.6%	3,015	11.8%	1	11.8%	2,550	0.0%	3,657	1.8%	116,622	2.0%	6,351	5.2%	122,973	1.9%
	2022	53,019	2.0%	3,690	1.5%	14,368	0.5%	12,337	1.8%	604	1.3%	20.4	0.5%	46,566	1.6%	100	0.7%	464	0.9%	3,333	10.6%	1	10.6%	2,549	0.0%	3,724	1.8%	118,978	2.0%	6,479	5.2%	125,457	2.0%
	2023	54,024	1.9%	3,742	1.4%	14,436	0.5%	12,561	1.8%	612	1.3%	20.5	0.5%	47,310	1.6%	101	0.7%	468	0.9%	3,651	9.5%	1	9.6%	2,549	0.0%	3,791	1.8%	121,337	2.0%	6,607	5.2%	127,944	2.0%
	2024	55,067	1.9%	3,791	1.3%	14,525	0.6%	12,786	1.8%	620	1.3%	20.6	0.5%	48,055	1.6%	102	0.6%	472	0.9%	3,969	8.7%	2	8.7%	2,549	0.0%	3,859	1.8%	123,736	2.0%	6,902	5.3%	130,638	2.1%
	2025	56,124	1.9%	3,838	1.2%	14,623	0.7%	13,013	1.8%	627	1.3%	20.7	0.5%	48,804	1.6%	102	0.6%	477	0.9%	4,287	8.0%	2	8.0%	2,548	0.0%	3,928	1.8%	126,156	2.0%	6,869	5.2%	133,025	1.8%
	2026	57,157	1.8%	3,884	1.2%	14,718	0.6%	13,239	1.7%	635	1.2%	20.8	0.5%	49,549	1.5%	103	0.6%	481	0.9%	4,605	7.4%	2	7.4%	2,548	0.0%	3,996	1.7%	128,546	1.9%	6,999	5.2%	135,545	1.9%
	2027	58,146	1.7%	3,926	1.1%	14,812	0.6%	13,456	1.6%	642	1.2%	20.9	0.5%	50,264	1.4%	104	0.6%	485	0.9%	4,923	6.9%	2	6.9%	2,548	0.0%	4,062	1.6%	130,851	1.8%	7,124	5.2%	137,975	1.8%
	2028	59,119	1.7%	3,967	1.0%	14,904	0.6%	13,673	1.6%	650	1.1%	21.0	0.5%	50,973	1.4%	104	0.6%	489	0.8%	5,241	6.5%	2	6.5%	2,548	0.0%	4,127	1.6%	133,133	1.7%	7,426	5.3%	140,559	1.9%
	2029	60,091	1.6%	4,008	1.0%	14,994	0.6%	13,889	1.6%	657	1.1%	21.1	0.5%	51,681	1.4%	105	0.5%	493	0.8%	5,560	6.1%	2	6.1%	2,548	0.0%	4,193	1.6%	135,412	1.7%	7,372	5.2%	142,785	1.6%
	2030	61,033	1.6%	4,045	0.9%	15,087	0.6%	14,105	1.6%	664	1.1%	21.2	0.4%	52,386	1.4%	105	0.5%	497	0.8%	5,878	5.7%	2	5.7%	2,547	0.0%	4,258	1.6%	137,658	1.7%	7,494	5.2%	145,153	1.7%
	2031	61,991	1.6%	4,084	1.0%	15,180	0.6%	14,315	1.5%	671	1.1%	21.3	0.4%	53,072	1.3%	106	0.5%	501	0.8%	6,196	5.4%	2	5.4%	2,547	0.0%	4,321	1.5%	139,895	1.6%	7,616	5.2%	147,511	1.6%
	2032	62,893	1.5%	4,119	0.9%	15,267	0.6%	14,517	1.4%	678	1.0%	21.4	0.4%	53,729	1.2%	106	0.5%	505	0.7%	6,514	5.1%	3	5.1%	2,547	0.0%	4,382	1.4%	142,034	1.5%	7,921	5.3%	149,956	1.7%
	2033	63,780	1.4%	4,154	0.8%	15,355	0.6%	14,718	1.4%	685	1.0%	21.5	0.4%	54,384	1.2%	107	0.5%	509	0.7%	6,832	4.9%	3	4.9%	2,547	0.0%	4,443	1.4%	144,158	1.5%	7,848	5.2%	152,005	1.4%
	2034	64,681	1.4%	4,189	0.8%	15,441	0.6%	14,921	1.4%	692	1.0%	21.6	0.4%	55,044	1.2%	107	0.5%	513	0.7%	7,150	4.7%	3	4.7%	2,547	0.0%	4,505	1.4%	146,302	1.5%	7,964	5.2%	154,266	1.5%
	2035	65,554	1.3%	4,222	0.8%	15,526	0.6%	15,129	1.4%	698	1.0%	21.7	0.4%	55,718	1.2%	108	0.5%	516	0.7%	7,468	4.4%	3	4.5%	2,547	0.0%	4,567	1.4%	148,437	1.5%	8,080	5.2%	156,517	1.5%
	2036	66,438	1.3%	4,255	0.8%	15,613	0.6%	15,340	1.4%	705	1.0%	21.7	0.4%	56,400	1.2%	108	0.5%	520	0.7%	7,786	4.3%	3	4.3%	2,547	0.0%	4,631	1.4%	150,595	1.5%	8,398	5.3%	158,994	1.6%
	2037	67,361	1.4%	4,289	0.8%	15,705	0.6%	15,547	1.4%	712	1.0%	21.8	0.4%	57,068	1.2%	109	0.5%	524	0.7%	8,104	4.1%	3	4.1%	2,547	0.0%	4,694	1.3%	152,774	1.5%	8,316	5.2%	161,090	1.3%
CAGR	2008-2017		0.5%		0.8%		-0.4%		-3.2%		0.9%		-4.1%		-1.3%		-1.6%		0.3%		-100.0%		-100.0%		-100.0%		1.4%		-1.8%		6.2%		-1.6%
	2018-2027		2.0%		1.5%		0.5%		1.7%		1.2%		0.6%		1.6%		0.8%		0.8%		0.0%		0.0%		0.0%		1.5%		2.2%		5.2%		2.2%
	2028-2037		1.5%		0.9%		0.6%		1.4%		1.0%		0.4%		1.3%		0.5%		0.8%		0.0%		0.0%		0.0%		1.4%		1.5%		5.2%		1.5%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	132.0	-	46.5	-	45.0	-	2.04	-	2,254	-	4,047	-	87,007	-
1998	135.5	2.7%	48.1	3.5%	47.7	6.0%	2.11	3.2%	2,428	7.7%	4,342	7.3%	90,232	3.7%
1999	138.7	2.3%	49.5	2.8%	52.1	9.0%	2.05	-2.6%	2,604	7.2%	4,442	2.3%	89,791	-0.5%
2000	141.6	2.1%	50.6	2.3%	54.8	5.3%	1.98	-3.7%	2,700	3.7%	4,703	5.9%	92,965	3.5%
2001	145.7	2.9%	53.0	4.8%	48.3	-11.8%	1.62	-18.3%	2,612	-3.3%	4,913	4.5%	92,655	-0.3%
2002	150.9	3.6%	54.8	3.4%	50.8	5.2%	1.63	0.6%	2,840	8.7%	5,133	4.5%	93,597	1.0%
2003	155.6	3.1%	57.0	4.0%	53.9	6.0%	1.58	-2.8%	3,064	7.9%	5,423	5.7%	95,117	1.6%
2004	163.2	4.9%	59.4	4.2%	56.3	4.6%	1.65	4.2%	3,225	5.2%	5,651	4.2%	95,116	0.0%
2005	169.4	3.8%	61.6	3.8%	60.5	7.4%	1.77	7.3%	3,489	8.2%	6,020	6.5%	97,668	2.7%
2006	178.3	5.3%	64.7	4.9%	65.6	8.4%	1.97	11.1%	3,802	9.0%	6,508	8.1%	100,641	3.0%
2007	184.3	3.3%	67.0	3.6%	66.6	1.5%	1.79	-8.9%	3,808	0.1%	6,600	1.4%	98,508	-2.1%
2008	187.3	1.6%	67.8	1.1%	65.8	-1.3%	1.75	-2.5%	3,701	-2.8%	6,577	-0.3%	97,059	-1.5%
2009	189.1	1.0%	68.0	0.3%	63.5	-3.5%	1.47	-15.8%	3,579	-3.3%	6,324	-3.9%	93,043	-4.1%
2010	191.4	1.2%	69.0	1.5%	62.1	-2.1%	1.24	-15.8%	3,479	-2.8%	6,364	0.6%	92,225	-0.9%
2011	192.3	0.5%	69.7	1.0%	61.7	-0.6%	1.35	9.0%	3,342	-3.9%	6,492	2.0%	93,194	1.1%
2012	194.3	1.0%	70.4	1.1%	62.9	1.9%	1.39	3.0%	3,522	5.4%	6,568	1.2%	93,262	0.1%
2013	196.6	1.1%	71.7	1.7%	65.8	4.6%	1.52	9.4%	3,670	4.2%	6,611	0.6%	92,255	-1.1%
2014	199.9	1.7%	73.3	2.2%	68.0	3.3%	1.48	-2.5%	3,830	4.4%	6,913	4.6%	94,372	2.3%
2015	204.0	2.0%	74.9	2.2%	69.9	2.7%	1.46	-1.4%	4,032	5.3%	7,269	5.1%	97,078	2.9%
2016	206.9	1.4%	76.5	2.2%	71.1	1.8%	1.46	0.2%	4,068	0.9%	7,439	2.3%	97,196	0.1%
2017	211.4	2.2%	78.6	2.7%	72.7	2.2%	1.47	0.2%	4,194	3.1%	7,705	3.6%	98,034	0.9%
2018	215.8	2.1%	80.6	2.5%	74.2	2.1%	1.47	0.1%	4,322	3.0%	7,979	3.6%	99,053	1.0%
2019	220.4	2.1%	82.4	2.3%	75.8	2.0%	1.47	0.1%	4,450	3.0%	8,261	3.5%	100,209	1.2%
2020	224.9	2.1%	84.3	2.2%	77.3	2.0%	1.47	0.0%	4,581	2.9%	8,554	3.5%	101,486	1.3%
2021	229.3	1.9%	86.0	2.1%	78.8	1.9%	1.47	0.1%	4,712	2.9%	8,840	3.3%	102,767	1.3%
2022	233.6	1.9%	87.7	1.9%	80.3	1.9%	1.47	0.0%	4,847	2.9%	9,137	3.4%	104,228	1.4%
2023	238.0	1.9%	89.3	1.8%	81.8	1.9%	1.47	-0.1%	4,985	2.8%	9,440	3.3%	105,769	1.5%
2024	242.5	1.9%	90.8	1.7%	83.4	1.9%	1.47	0.0%	5,125	2.8%	9,748	3.3%	107,349	1.5%
2025	246.9	1.8%	92.3	1.7%	84.9	1.9%	1.47	-0.1%	5,269	2.8%	10,067	3.3%	109,024	1.6%
2026	251.0	1.6%	93.7	1.5%	86.4	1.7%	1.47	-0.1%	5,411	2.7%	10,373	3.0%	110,706	1.5%
2027	255.1	1.6%	95.0	1.4%	87.9	1.7%	1.47	-0.1%	5,556	2.7%	10,681	3.0%	112,382	1.5%
2028	259.2	1.6%	96.4	1.4%	89.3	1.7%	1.46	-0.2%	5,704	2.7%	10,993	2.9%	114,082	1.5%
2029	263.3	1.6%	97.6	1.3%	90.8	1.7%	1.46	-0.2%	5,855	2.7%	11,309	2.9%	115,816	1.5%
2030	267.4	1.6%	98.9	1.3%	92.3	1.7%	1.46	-0.2%	6,010	2.6%	11,627	2.8%	117,559	1.5%
2031	271.3	1.5%	100.1	1.2%	93.8	1.6%	1.46	-0.2%	6,165	2.6%	11,929	2.6%	119,198	1.4%
2032	275.2	1.4%	101.2	1.2%	95.3	1.6%	1.45	-0.3%	6,325	2.6%	12,234	2.6%	120,852	1.4%
2033	279.2	1.4%	102.4	1.1%	96.8	1.6%	1.45	-0.2%	6,489	2.6%	12,544	2.5%	122,535	1.4%
2034	283.1	1.4%	103.5	1.1%	98.3	1.6%	1.45	-0.2%	6,657	2.6%	12,863	2.5%	124,273	1.4%
2035	287.1	1.4%	104.6	1.1%	99.9	1.6%	1.44	-0.2%	6,830	2.6%	13,196	2.6%	126,134	1.5%
2036	290.9	1.3%	105.7	1.0%	101.4	1.5%	1.44	-0.2%	7,006	2.6%	13,527	2.5%	127,960	1.4%
2037	294.7	1.3%	106.9	1.1%	103.0	1.5%	1.44	-0.2%	7,187	2.6%	13,852	2.4%	129,628	1.3%
Average Percent Change														
2007-2017		1.4%		1.6%		0.9%		-2.0%		1.0%		1.6%		0.0%
2018-2027		1.9%		1.9%		1.9%		0.0%		2.8%		3.3%		1.4%
2028-2037		1.5%		1.2%		1.6%		-0.2%		2.6%		2.6%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Gainesville Airport

Legend: HDD · CDD · Normal HDD · Normal CDD

Y-axis: Degree Days (Base=65 dF)

X-axis: 1997 – 2017

FMPA 2018 Load Forecast - Base Case
Havana
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 [1,2]									
							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	2008	25,975	-	26,067	-	0.4%	5.9	-	5.9	-	0.4%	5.2	-	5.3		2.2%
	2009	25,150	-3.2%	24,901	-4.5%	-1.0%	6.1	2.8%	5.8	-2.5%	-4.8%	5.9	14.4%	6.0	14.2%	2.0%
	2010	27,320	8.6%	25,215	1.3%	-7.7%	6.6	9.4%	5.8	-0.3%	-13.2%	5.1	-13.2%	4.6	-24.4%	-11.1%
	2011	26,524	-2.9%	24,925	-1.1%	-6.0%	6.2	-6.2%	6.8	18.6%	9.9%	6.0	16.2%	5.1	12.4%	-14.0%
	2012	23,930	-9.8%	24,395	-2.1%	1.9%	5.5	-11.1%	5.2	-23.3%	-5.3%	4.9	-18.6%	4.7	-8.5%	-3.4%
	2013	24,585	2.7%	24,983	2.4%	1.6%	5.1	-8.7%	6.3	19.3%	23.7%	4.7	-3.8%	4.9	5.3%	5.7%
	2014	25,176	2.4%	24,860	-0.5%	-1.3%	5.4	6.6%	6.4	2.9%	19.4%	4.8	3.1%	5.3	7.5%	10.2%
	2015	25,771	2.4%	24,665	-0.8%	-4.3%	6.0	11.5%	7.2	12.4%	20.5%	4.6	-3.7%	6.8	28.3%	46.7%
	2016	24,925	-3.3%	24,549	-0.5%	-1.5%	3.1	-47.7%	6.4	-12.0%	102.7%	5.5	18.4%	5.2	-23.5%	-5.3%
	2017	23,634	-5.2%	24,449	-0.4%	3.4%	3.3	5.4%	6.3	-1.6%	89.4%	3.7	-32.4%	4.4	-15.1%	19.0%
Projected	2018	25,091	6.2%	25,091	2.6%		5.9	77.3%	5.9	-6.3%		4.7	26.1%	4.7	6.0%	
	2019			25,235	0.6%				5.9	0.3%				4.7	0.3%	
	2020			25,320	0.3%				5.9	0.4%				4.7	0.4%	
	2021			25,425	0.4%				5.9	0.4%				4.7	0.4%	
	2022			25,510	0.3%				6.0	0.3%				4.7	0.3%	
	2023			25,613	0.4%				6.0	0.4%				4.8	0.4%	
	2024			25,728	0.5%				6.0	0.5%				4.8	0.5%	
	2025			25,846	0.5%				6.0	0.5%				4.8	0.5%	
	2026			25,963	0.5%				6.1	0.4%				4.8	0.4%	
	2027			26,073	0.4%				6.1	0.4%				4.9	0.4%	
	2028			26,179	0.4%				6.1	0.4%				4.9	0.4%	
	2029			26,280	0.4%				6.1	0.4%				4.9	0.4%	
	2030			26,372	0.4%				6.2	0.3%				4.9	0.3%	
	2031			26,456	0.3%				6.2	0.3%				4.9	0.3%	
	2032			26,531	0.3%				6.2	0.3%				4.9	0.3%	
	2033			26,597	0.2%				6.2	0.2%				4.9	0.2%	
	2034			26,657	0.2%				6.2	0.2%				5.0	0.2%	
	2035			26,715	0.2%				6.2	0.2%				5.0	0.2%	
	2036			26,775	0.2%				6.3	0.2%				5.0	0.2%	
	2037			26,837	0.2%				6.3	0.2%				5.0	0.2%	
CAGR [3]	2008-2017		-1.0%		-0.7%			-6.2%		0.6%			-3.6%		-2.0%	
	2018-2027				0.4%					0.4%					0.4%	
	2028-2037				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

FMPA 2018 Load Forecast - Base Case
Havana
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	25,975	-	25,975	-	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%	24,925	-3.3%	6.2	5.7	6.2	5.7	3.1	5.5	5.4	5.5
	2017	23,634	-5.2%	24,970	0.2%	6.2	5.7	6.0	5.8	3.3	3.7	5.6	4.9
Projected	2018	25,091	6.2%	25,345	1.5%	6.1	5.8	6.1	5.9	5.9	4.7	5.7	4.9
	2019	25,235	0.6%	25,444	0.4%	6.2	5.9	6.1	5.9	5.9	4.7	5.7	4.9
	2020	25,320	0.3%	25,602	0.6%	6.2	5.9	6.2	6.0	5.9	4.7	5.8	5.0
	2021	25,425	0.4%	25,698	0.4%	6.2	5.9	6.2	6.0	5.9	4.7	5.8	5.0
	2022	25,510	0.3%	25,802	0.4%	6.2	5.9	6.2	6.0	6.0	4.7	5.8	5.0
	2023	25,613	0.4%	25,898	0.4%	6.2	6.0	6.2	6.0	6.0	4.8	5.8	5.0
	2024	25,728	0.5%	25,990	0.4%	6.3	6.0	6.2	6.1	6.0	4.8	5.9	5.1
	2025	25,846	0.5%	26,071	0.3%	6.3	6.0	6.3	6.1	6.0	4.8	5.9	5.1
	2026	25,963	0.5%	26,142	0.3%	6.3	6.0	6.3	6.1	6.1	4.8	5.9	5.1
	2027	26,073	0.4%	26,204	0.2%	6.4	6.1	6.3	6.1	6.1	4.9	5.9	5.1
	2028	26,179	0.4%	26,268	0.2%	6.4	6.1	6.3	6.1	6.1	4.9	5.9	5.1
	2029	26,280	0.4%	26,330	0.2%	6.4	6.1	6.3	6.1	6.1	4.9	5.9	5.1
	2030	26,372	0.4%	26,391	0.2%	6.4	6.1	6.3	6.2	6.2	4.9	5.9	5.1
	2031	26,456	0.3%	26,466	0.3%	6.5	6.2	6.4	6.2	6.2	4.9	6.0	5.1
	2032	26,531	0.3%	26,529	0.2%	6.5	6.2	6.4	6.2	6.2	4.9	6.0	5.2
	2033	26,597	0.2%	26,583	0.2%	6.5	6.2	6.4	6.2	6.2	4.9	6.0	5.2
	2034	26,657	0.2%	26,637	0.2%	6.5	6.2	6.4	6.2	6.2	5.0	6.0	5.2
	2035	26,715	0.2%	26,687	0.2%	6.5	6.2	6.4	6.2	6.2	5.0	6.0	5.2
	2036	26,775	0.2%	26,747	0.2%	6.5	6.2	6.4	6.2	6.3	5.0	6.0	5.2
	2037	26,837	0.2%			6.5	6.2			6.3	5.0		
CAGR [1]	Historical		-1.0%		-0.5%	0.5%	-0.8%	0.6%	-1.0%	-7.3%	-5.6%	-1.8%	-1.0%
	1st 10 Prj Yrs		0.4%		0.5%	0.4%	0.4%	0.5%	0.5%	0.4%	0.4%	0.5%	0.5%
	2nd 10 Prj Yrs		0.3%		0.2%	0.3%	0.3%	0.2%	0.2%	0.3%	0.3%	0.2%	0.2%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	1,813	1,651	1,905	24,968	24,925
	2017	1,965	1,518	1,731	1,710	2,019	2,132	2,534	2,545	2,111	1,742	1,771	2,056	23,834	23,634
Projected	2018	2,493	1,931	1,835	1,571	2,063	2,408	2,569	2,566	2,087	1,744	1,796	2,097	25,160	25,091
	2019	2,492	1,937	1,857	1,565	2,061	2,424	2,590	2,573	2,099	1,744	1,800	2,102	25,245	25,235
	2020	2,494	1,945	1,867	1,569	2,069	2,437	2,604	2,582	2,106	1,750	1,810	2,115	25,348	25,320
	2021	2,508	1,955	1,877	1,576	2,077	2,445	2,611	2,588	2,113	1,756	1,816	2,122	25,443	25,425
	2022	2,515	1,961	1,883	1,581	2,085	2,454	2,620	2,597	2,121	1,762	1,823	2,129	25,532	25,510
	2023	2,524	1,968	1,891	1,588	2,094	2,464	2,631	2,608	2,130	1,770	1,832	2,139	25,638	25,613
	2024	2,534	1,976	1,899	1,595	2,104	2,476	2,643	2,620	2,140	1,779	1,840	2,148	25,755	25,728
	2025	2,545	1,985	1,908	1,603	2,114	2,487	2,655	2,632	2,149	1,787	1,849	2,158	25,873	25,846
	2026	2,556	1,994	1,916	1,610	2,124	2,498	2,667	2,644	2,159	1,795	1,857	2,167	25,989	25,963
	2027	2,566	2,002	1,924	1,617	2,133	2,509	2,678	2,655	2,168	1,802	1,865	2,176	26,098	26,073
Projected	2028	2,576	2,010	1,932	1,624	2,142	2,519	2,689	2,665	2,177	1,810	1,873	2,184	26,203	26,179
	2029	2,586	2,018	1,940	1,630	2,151	2,529	2,699	2,675	2,185	1,817	1,880	2,192	26,302	26,280
	2030	2,594	2,024	1,946	1,636	2,159	2,538	2,709	2,684	2,192	1,823	1,887	2,199	26,392	26,372
	2031	2,602	2,031	1,952	1,641	2,166	2,546	2,717	2,693	2,199	1,829	1,893	2,206	26,474	26,456
	2032	2,609	2,036	1,958	1,646	2,172	2,553	2,724	2,700	2,205	1,834	1,898	2,211	26,547	26,531
	2033	2,615	2,041	1,963	1,650	2,178	2,559	2,731	2,706	2,210	1,838	1,903	2,216	26,611	26,597
	2034	2,621	2,045	1,967	1,654	2,183	2,565	2,737	2,712	2,215	1,842	1,907	2,221	26,670	26,657
	2035	2,626	2,049	1,971	1,658	2,188	2,571	2,743	2,718	2,220	1,847	1,912	2,226	26,729	26,715
	2036	2,631	2,054	1,976	1,662	2,194	2,577	2,749	2,724	2,225	1,851	1,916	2,231	26,790	26,775
	2037	2,636	2,058	1,980	1,666	2,199	2,583	2,756	2,731	2,230	1,855	1,921	2,235	26,850	26,837

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%
	2016	9.6%	7.9%	6.6%	6.4%	8.1%	9.8%	10.7%	10.4%	9.0%	7.3%	6.6%	7.6%	100.0%
	2017	8.2%	6.4%	7.3%	7.2%	8.5%	8.9%	10.6%	10.7%	8.9%	7.3%	7.4%	8.6%	100.0%
Projected	2018	9.9%	7.7%	7.3%	6.2%	8.2%	9.6%	10.2%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2019	9.9%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2020	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2021	9.9%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2022	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2023	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2024	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2025	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2026	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
	2027	9.8%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%
Avg.	2008-2017	9.2%	7.6%	7.0%	6.6%	8.2%	9.7%	10.3%	10.3%	8.8%	7.1%	7.1%	8.3%	100.0%
	2018-2027	9.9%	7.7%	7.4%	6.2%	8.2%	9.6%	10.3%	10.2%	8.3%	6.9%	7.1%	8.3%	100.0%

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FMPA 2018 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	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	4.6	3.8	4.9	6.2	5.7
	2017	6.2	4.0	4.8	4.0	4.9	5.1	5.5	5.7	4.8	4.3	4.5	5.1	6.2	5.7
Projected	2018	6.1	5.5	4.0	3.8	4.9	5.8	5.7	5.5	5.2	4.4	4.5	5.1	6.1	5.8
	2019	6.2	5.5	4.0	3.8	4.9	5.9	5.7	5.5	5.2	4.4	4.6	5.1	6.2	5.9
	2020	6.2	5.6	4.0	3.8	5.0	5.9	5.7	5.5	5.2	4.4	4.6	5.2	6.2	5.9
	2021	6.2	5.6	4.0	3.8	5.0	5.9	5.7	5.6	5.3	4.4	4.6	5.2	6.2	5.9
	2022	6.2	5.6	4.0	3.9	5.0	5.9	5.8	5.6	5.3	4.4	4.6	5.2	6.2	5.9
	2023	6.2	5.6	4.0	3.9	5.0	6.0	5.8	5.6	5.3	4.4	4.6	5.2	6.2	6.0
	2024	6.3	5.7	4.1	3.9	5.0	6.0	5.8	5.6	5.3	4.5	4.7	5.2	6.3	6.0
	2025	6.3	5.7	4.1	3.9	5.1	6.0	5.8	5.7	5.3	4.5	4.7	5.3	6.3	6.0
	2026	6.3	5.7	4.1	3.9	5.1	6.0	5.9	5.7	5.4	4.5	4.7	5.3	6.3	6.0
	2027	6.4	5.7	4.1	3.9	5.1	6.1	5.9	5.7	5.4	4.5	4.7	5.3	6.4	6.1
Projected	2028	6.4	5.8	4.1	4.0	5.1	6.1	5.9	5.7	5.4	4.5	4.7	5.3	6.4	6.1
	2029	6.4	5.8	4.1	4.0	5.2	6.1	5.9	5.8	5.4	4.6	4.7	5.4	6.4	6.1
	2030	6.4	5.8	4.2	4.0	5.2	6.1	5.9	5.8	5.4	4.6	4.8	5.4	6.4	6.1
	2031	6.5	5.8	4.2	4.0	5.2	6.2	6.0	5.8	5.5	4.6	4.8	5.4	6.5	6.2
	2032	6.5	5.8	4.2	4.0	5.2	6.2	6.0	5.8	5.5	4.6	4.8	5.4	6.5	6.2
	2033	6.5	5.8	4.2	4.0	5.2	6.2	6.0	5.8	5.5	4.6	4.8	5.4	6.5	6.2
	2034	6.5	5.9	4.2	4.0	5.2	6.2	6.0	5.8	5.5	4.6	4.8	5.4	6.5	6.2
	2035	6.5	5.9	4.2	4.0	5.2	6.2	6.0	5.9	5.5	4.6	4.8	5.4	6.5	6.2
	2036	6.5	5.9	4.2	4.1	5.2	6.2	6.0	5.9	5.5	4.6	4.8	5.4	6.5	6.2
	2037	6.5	5.9	4.2	4.1	5.3	6.2	6.0	5.9	5.5	4.7	4.8	5.5	6.5	6.2

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	50.2%	63.0%	50.2%	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%	52.8%	59.0%	54.2%	45.9%	50.4%
	2017	42.9%	56.3%	48.7%	56.8%	61.7%	55.7%	63.4%	60.0%	61.0%	55.0%	52.6%	56.0%	44.2%	47.7%
Projected	2018	54.7%	52.0%	62.2%	55.5%	62.3%	55.3%	63.0%	62.6%	55.8%	53.7%	53.1%	56.9%	46.8%	49.1%
	2019	54.5%	52.0%	62.7%	55.1%	62.0%	55.5%	63.3%	62.6%	55.9%	53.5%	53.1%	56.8%	46.8%	49.1%
	2020	54.3%	50.2%	62.8%	55.0%	62.0%	55.6%	63.3%	62.5%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%
	2021	54.4%	52.0%	62.9%	55.1%	62.0%	55.6%	63.3%	62.4%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%
	2022	54.3%	52.0%	62.9%	55.1%	62.0%	55.6%	63.3%	62.4%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%
	2023	54.3%	52.0%	62.9%	55.1%	62.0%	55.6%	63.3%	62.5%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%
	2024	54.3%	50.2%	62.9%	55.1%	62.1%	55.6%	63.3%	62.5%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%
	2025	54.3%	52.0%	62.9%	55.1%	62.1%	55.6%	63.3%	62.5%	55.9%	53.5%	53.2%	56.9%	46.8%	49.1%
	2026	54.2%	52.0%	62.9%	55.1%	62.1%	55.6%	63.3%	62.5%	55.9%	53.5%	53.2%	56.9%	46.8%	49.1%
	2027	54.2%	51.9%	62.9%	55.1%	62.1%	55.6%	63.3%	62.4%	55.9%	53.5%	53.2%	56.9%	46.8%	49.1%
Avg.	2008-2017	51.5%	51.8%	54.5%	57.8%	62.5%	57.8%	63.3%	61.5%	59.2%	56.8%	54.1%	56.7%	47.2%	49.1%
	2018-2027	54.3%	51.6%	62.8%	55.1%	62.1%	55.5%	63.2%	62.5%	55.9%	53.5%	53.1%	56.9%	46.8%	49.1%

FMPA 2018 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	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	3.7	2.8	2.8	3.1	5.5
	2017	5.7	2.4	3.3	3.9	4.1	4.6	5.4	3.7	4.1	3.7	3.4	3.7	3.3	3.7
Projected	2018	5.9	5.0	3.4	3.7	4.7	5.2	5.4	4.7	4.7	3.8	3.4	3.7	5.9	4.7
	2019	5.9	5.0	3.4	3.7	4.7	5.2	5.5	4.7	4.7	3.8	3.4	3.7	5.9	4.7
	2020	5.9	5.0	3.4	3.7	4.7	5.3	5.5	4.7	4.7	3.8	3.4	3.7	5.9	4.7
	2021	5.9	5.1	3.4	3.8	4.7	5.3	5.5	4.7	4.7	3.9	3.4	3.7	5.9	4.7
	2022	6.0	5.1	3.4	3.8	4.7	5.3	5.5	4.7	4.7	3.9	3.5	3.8	6.0	4.7
	2023	6.0	5.1	3.4	3.8	4.7	5.3	5.5	4.8	4.7	3.9	3.5	3.8	6.0	4.8
	2024	6.0	5.1	3.4	3.8	4.8	5.3	5.6	4.8	4.8	3.9	3.5	3.8	6.0	4.8
	2025	6.0	5.1	3.5	3.8	4.8	5.4	5.6	4.8	4.8	3.9	3.5	3.8	6.0	4.8
	2026	6.1	5.2	3.5	3.8	4.8	5.4	5.6	4.8	4.8	3.9	3.5	3.8	6.1	4.8
	2027	6.1	5.2	3.5	3.9	4.8	5.4	5.6	4.9	4.8	4.0	3.5	3.8	6.1	4.9
Projected	2028	6.1	5.2	3.5	3.9	4.8	5.4	5.7	4.9	4.8	4.0	3.6	3.9	6.1	4.9
	2029	6.1	5.2	3.5	3.9	4.9	5.5	5.7	4.9	4.9	4.0	3.6	3.9	6.1	4.9
	2030	6.2	5.2	3.5	3.9	4.9	5.5	5.7	4.9	4.9	4.0	3.6	3.9	6.2	4.9
	2031	6.2	5.3	3.5	3.9	4.9	5.5	5.7	4.9	4.9	4.0	3.6	3.9	6.2	4.9
	2032	6.2	5.3	3.6	3.9	4.9	5.5	5.7	4.9	4.9	4.0	3.6	3.9	6.2	4.9
	2033	6.2	5.3	3.6	3.9	4.9	5.5	5.8	4.9	4.9	4.0	3.6	3.9	6.2	4.9
	2034	6.2	5.3	3.6	3.9	4.9	5.5	5.8	5.0	4.9	4.0	3.6	3.9	6.2	5.0
	2035	6.2	5.3	3.6	4.0	4.9	5.5	5.8	5.0	4.9	4.1	3.6	3.9	6.2	5.0
	2036	6.3	5.3	3.6	4.0	5.0	5.6	5.8	5.0	5.0	4.1	3.6	3.9	6.3	5.0
	2037	6.3	5.3	3.6	4.0	5.0	5.6	5.8	5.0	5.0	4.1	3.6	3.9	6.3	5.0

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	80.5%	75.3%	57.9%	50.6%	97.0%
	2017	93.0%	60.9%	69.4%	96.4%	84.0%	88.4%	97.0%	65.0%	85.9%	87.5%	75.0%	72.4%	53.8%	65.0%
Projected	2018	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2019	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2020	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2021	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2022	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2023	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2024	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2025	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2026	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2027	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%
	2008-2017	95.8%	91.9%	82.2%	89.9%	95.0%	91.9%	92.5%	85.4%	88.0%	87.2%	68.4%	78.7%	87.1%	85.7%
	2018-2027	95.8%	90.5%	84.9%	97.8%	94.4%	89.2%	96.1%	85.0%	89.6%	87.5%	75.0%	72.4%	95.8%	80.0%

FMPA 2018 Load Forecast - Base Case - Havana

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	12,936		1,114		11,615		10,822		268		40.4		23,758		2,217	8.5%	25,975	
	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	5.9%	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	6.3%	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	4.9%	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	5.3%	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	5.5%	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	5.0%	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	5.1%	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	6.0%	24,925	-3.3%
	2017	12,617	-3.9%	1,134	1.1%	11,123	-5.0%	9,887	-4.1%	316	-1.1%	31.3	-3.0%	22,504	-4.0%	1,130	4.8%	23,634	-5.2%
Projected	2018	13,772	9.2%	1,138	0.3%	12,104	8.8%	10,012	1.3%	322	1.9%	31.1	-0.6%	23,784	5.7%	1,307	5.2%	25,091	6.2%
	2019	13,810	0.3%	1,138	0.0%	12,138	0.3%	10,105	0.9%	326	1.2%	31.0	-0.2%	23,915	0.6%	1,320	5.2%	25,235	0.6%
	2020	13,849	0.3%	1,139	0.1%	12,160	0.2%	10,145	0.4%	328	0.7%	30.9	-0.3%	23,994	0.3%	1,326	5.2%	25,320	0.3%
	2021	13,896	0.3%	1,140	0.1%	12,185	0.2%	10,198	0.5%	330	0.6%	30.9	-0.1%	24,094	0.4%	1,332	5.2%	25,425	0.4%
	2022	13,906	0.1%	1,142	0.1%	12,179	0.0%	10,268	0.7%	332	0.6%	30.9	0.1%	24,174	0.3%	1,336	5.2%	25,510	0.3%
	2023	13,933	0.2%	1,143	0.1%	12,190	0.1%	10,338	0.7%	334	0.6%	30.9	0.1%	24,271	0.4%	1,342	5.2%	25,613	0.4%
	2024	13,974	0.3%	1,144	0.1%	12,215	0.2%	10,406	0.7%	336	0.6%	31.0	0.1%	24,381	0.5%	1,348	5.2%	25,728	0.5%
	2025	14,020	0.3%	1,145	0.1%	12,245	0.2%	10,472	0.6%	338	0.5%	31.0	0.1%	24,492	0.5%	1,354	5.2%	25,846	0.5%
	2026	14,066	0.3%	1,146	0.1%	12,276	0.3%	10,537	0.6%	340	0.5%	31.0	0.1%	24,603	0.5%	1,360	5.2%	25,963	0.5%
	2027	14,109	0.3%	1,146	0.1%	12,307	0.3%	10,598	0.6%	341	0.5%	31.1	0.1%	24,707	0.4%	1,366	5.2%	26,073	0.4%
	2028	14,150	0.3%	1,147	0.0%	12,336	0.2%	10,658	0.6%	343	0.5%	31.1	0.1%	24,808	0.4%	1,371	5.2%	26,179	0.4%
	2029	14,186	0.3%	1,147	0.0%	12,364	0.2%	10,717	0.6%	345	0.5%	31.1	0.1%	24,903	0.4%	1,377	5.2%	26,280	0.4%
	2030	14,217	0.2%	1,147	0.0%	12,390	0.2%	10,774	0.5%	346	0.5%	31.1	0.1%	24,991	0.4%	1,382	5.2%	26,372	0.4%
	2031	14,245	0.2%	1,147	0.0%	12,415	0.2%	10,825	0.5%	348	0.4%	31.1	0.1%	25,070	0.3%	1,386	5.2%	26,456	0.3%
	2032	14,270	0.2%	1,147	0.0%	12,437	0.2%	10,871	0.4%	349	0.4%	31.2	0.0%	25,141	0.3%	1,390	5.2%	26,531	0.3%
	2033	14,289	0.1%	1,147	0.0%	12,456	0.1%	10,915	0.4%	350	0.4%	31.2	0.0%	25,203	0.2%	1,393	5.2%	26,597	0.2%
	2034	14,302	0.1%	1,147	0.0%	12,471	0.1%	10,958	0.4%	352	0.4%	31.2	0.0%	25,260	0.2%	1,397	5.2%	26,657	0.2%
	2035	14,313	0.1%	1,146	0.0%	12,486	0.1%	11,003	0.4%	353	0.4%	31.2	0.0%	25,315	0.2%	1,400	5.2%	26,715	0.2%
	2036	14,324	0.1%	1,146	0.0%	12,502	0.1%	11,049	0.4%	354	0.4%	31.2	0.0%	25,373	0.2%	1,403	5.2%	26,775	0.2%
	2037	14,340	0.1%	1,146	0.0%	12,518	0.1%	11,091	0.4%	355	0.4%	31.2	0.0%	25,431	0.2%	1,406	5.2%	26,837	0.2%
CAGR	2008-2017		-0.3%		0.2%		-0.5%		-1.0%		1.9%		-2.8%		-0.6%		5.7%		-1.0%
	2018-2027		0.3%		0.1%		0.2%		0.6%		0.6%		0.0%		0.4%		5.2%		0.4%
	2028-2037		0.1%		0.0%		0.2%		0.4%		0.4%		0.0%		0.3%		5.2%		0.3%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	44.8	-	15.3	-	17.0	-	1.46	-	899	-	990	-	64,580	-
1998	44.7	-0.1%	15.5	1.1%	17.4	2.7%	1.56	6.2%	949	5.6%	1,037	4.7%	66,857	3.5%
1999	45.1	0.8%	15.8	1.9%	17.7	1.4%	1.60	2.9%	991	4.4%	1,072	3.4%	67,818	1.4%
2000	45.0	-0.4%	15.9	0.7%	17.7	0.3%	1.59	-0.4%	965	-2.6%	1,094	2.1%	68,758	1.4%
2001	45.2	0.5%	16.4	2.9%	17.9	0.9%	1.60	0.3%	1,001	3.6%	1,127	3.0%	68,790	0.0%
2002	44.8	-0.9%	16.2	-0.9%	17.2	-3.5%	1.48	-7.6%	1,030	2.9%	1,143	1.4%	70,389	2.3%
2003	45.0	0.4%	16.4	0.8%	18.6	7.8%	1.43	-3.3%	1,110	7.8%	1,187	3.9%	72,527	3.0%
2004	45.1	0.4%	16.4	0.3%	18.9	1.8%	1.53	7.4%	1,137	2.5%	1,237	4.2%	75,365	3.9%
2005	45.3	0.3%	16.6	1.0%	19.0	0.5%	1.54	0.4%	1,176	3.4%	1,264	2.2%	76,284	1.2%
2006	45.3	0.0%	16.6	0.4%	19.2	0.6%	1.71	11.2%	1,181	0.5%	1,283	1.4%	77,045	1.0%
2007	45.9	1.3%	16.9	1.7%	19.7	2.7%	1.68	-1.9%	1,211	2.6%	1,293	0.8%	76,360	-0.9%
2008	46.3	1.0%	17.1	1.2%	19.0	-3.4%	1.43	-14.7%	1,161	-4.2%	1,290	-0.2%	75,238	-1.5%
2009	46.3	-0.1%	17.1	-0.5%	18.0	-5.3%	1.27	-11.4%	1,125	-3.1%	1,277	-1.0%	74,890	-0.5%
2010	47.8	3.3%	17.0	-0.5%	17.8	-1.1%	1.18	-7.1%	1,096	-2.6%	1,288	0.9%	75,936	1.4%
2011	47.3	-1.0%	16.9	-0.2%	17.8	0.0%	1.10	-7.0%	1,044	-4.7%	1,319	2.4%	77,928	2.6%
2012	46.6	-1.6%	16.9	0.0%	17.8	0.0%	1.05	-4.3%	1,020	-2.3%	1,243	-5.8%	73,409	-5.8%
2013	46.1	-1.1%	17.1	1.2%	17.8	0.0%	1.05	-0.3%	988	-3.1%	1,196	-3.8%	69,772	-5.0%
2014	46.1	0.2%	17.2	0.6%	18.3	2.7%	0.91	-12.7%	985	-0.2%	1,233	3.1%	71,534	2.5%
2015	46.0	-0.2%	17.4	0.8%	18.2	-0.1%	0.91	-0.8%	999	1.4%	1,274	3.3%	73,327	2.5%
2016	46.2	0.3%	17.6	1.2%	18.4	1.0%	0.93	2.4%	1,046	4.7%	1,310	2.8%	74,490	1.6%
2017	46.4	0.4%	17.7	0.9%	18.6	1.1%	0.95	1.9%	1,065	1.8%	1,337	2.1%	75,348	1.2%
2018	46.5	0.4%	17.9	0.8%	18.8	0.9%	0.96	1.3%	1,083	1.7%	1,365	2.1%	76,342	1.3%
2019	46.7	0.4%	18.0	0.7%	19.0	0.8%	0.97	1.0%	1,101	1.7%	1,393	2.1%	77,423	1.4%
2020	46.9	0.4%	18.1	0.6%	19.1	0.8%	0.97	0.6%	1,119	1.6%	1,422	2.1%	78,585	1.5%
2021	47.1	0.4%	18.2	0.5%	19.3	0.8%	0.98	0.3%	1,137	1.6%	1,451	2.0%	79,755	1.5%
2022	47.2	0.4%	18.2	0.3%	19.4	0.9%	0.98	0.1%	1,154	1.5%	1,480	2.0%	81,094	1.7%
2023	47.4	0.3%	18.3	0.3%	19.6	0.8%	0.98	-0.1%	1,171	1.5%	1,509	1.9%	82,449	1.7%
2024	47.5	0.3%	18.3	0.2%	19.7	0.7%	0.98	-0.2%	1,188	1.5%	1,537	1.9%	83,813	1.7%
2025	47.7	0.3%	18.4	0.2%	19.9	0.7%	0.97	-0.4%	1,205	1.4%	1,566	1.9%	85,226	1.7%
2026	47.9	0.3%	18.4	0.1%	20.0	0.7%	0.97	-0.5%	1,222	1.4%	1,593	1.8%	86,608	1.6%
2027	48.0	0.3%	18.4	0.1%	20.1	0.7%	0.96	-0.6%	1,239	1.4%	1,620	1.7%	87,964	1.6%
2028	48.2	0.3%	18.4	0.1%	20.3	0.7%	0.96	-0.6%	1,256	1.4%	1,647	1.7%	89,340	1.6%
2029	48.3	0.3%	18.4	0.1%	20.4	0.7%	0.95	-0.8%	1,273	1.3%	1,674	1.6%	90,717	1.5%
2030	48.5	0.3%	18.5	0.0%	20.5	0.7%	0.94	-0.8%	1,289	1.3%	1,699	1.5%	92,071	1.5%
2031	48.6	0.3%	18.5	0.0%	20.7	0.7%	0.93	-0.8%	1,306	1.3%	1,722	1.3%	93,311	1.3%
2032	48.8	0.3%	18.4	0.0%	20.9	0.8%	0.92	-0.9%	1,323	1.3%	1,744	1.3%	94,547	1.3%
2033	48.9	0.3%	18.4	-0.1%	21.0	0.7%	0.92	-0.9%	1,340	1.3%	1,766	1.3%	95,784	1.3%
2034	49.0	0.3%	18.4	-0.1%	21.1	0.6%	0.91	-1.0%	1,357	1.3%	1,788	1.3%	97,057	1.3%
2035	49.2	0.3%	18.4	-0.1%	21.3	0.6%	0.90	-1.0%	1,374	1.2%	1,812	1.3%	98,417	1.4%
2036	49.3	0.2%	18.4	-0.1%	21.4	0.6%	0.89	-1.0%	1,391	1.3%	1,835	1.3%	99,736	1.3%
2037	49.4	0.2%	18.4	0.0%	21.5	0.6%	0.88	-1.1%	1,408	1.2%	1,855	1.1%	100,877	1.1%
Average Percent Change														
2007-2017		0.1%		0.5%		-0.5%		-5.6%		-1.3%		0.3%		-0.1%
2018-2027		0.3%		0.3%		0.8%		0.0%		1.5%		1.9%		1.6%
2028-2037		0.3%		0.0%		0.7%		-0.9%		1.3%		1.4%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Tallahassee Airport
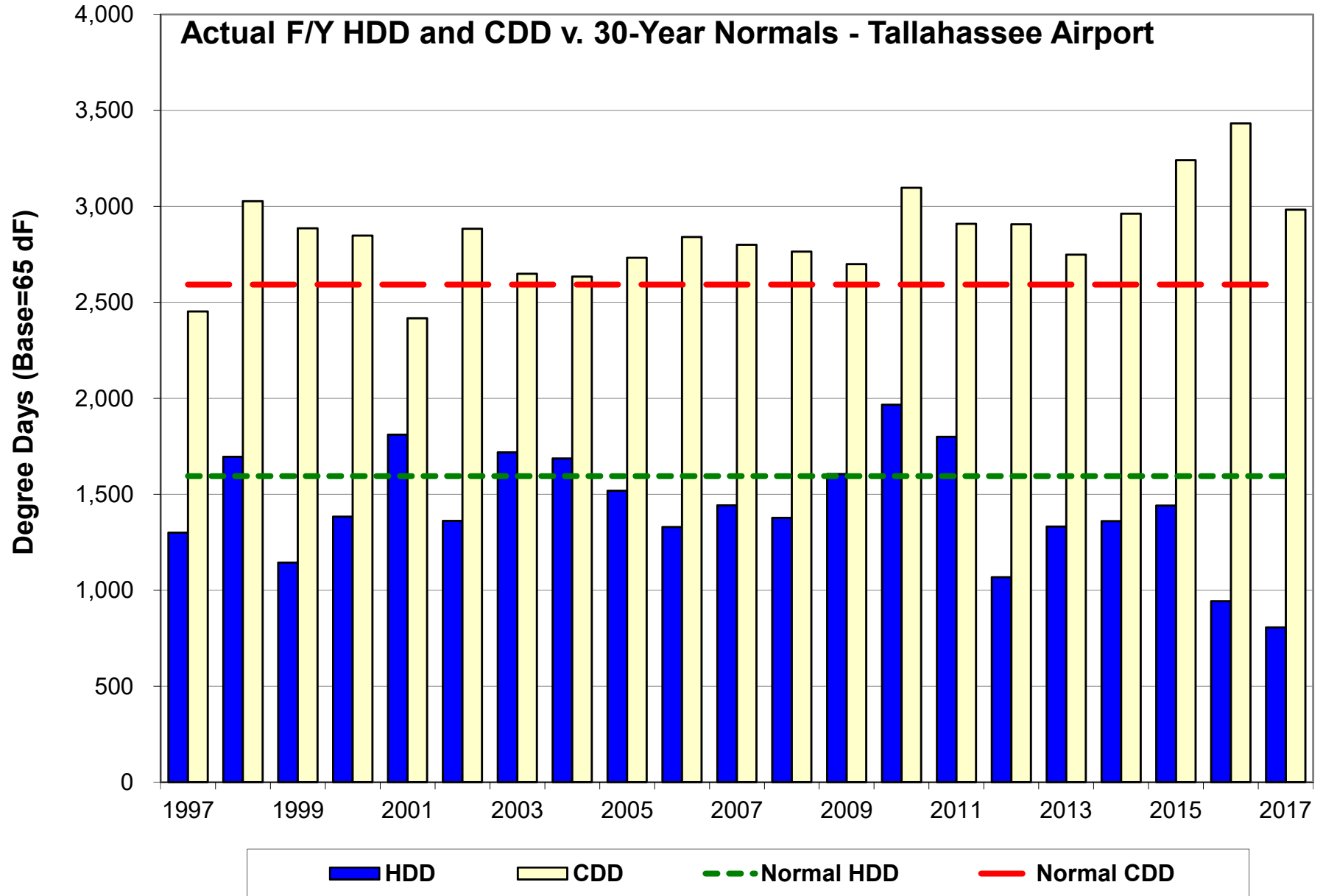
FMPA 2018 Load Forecast - Base Case
Jacksonville Beach
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY)					Coincident Peak Demand w/ARP Seasonal CP [1,2]									
							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	2008	770,389	-	786,091	-	2.0%	177.3	-	192.7	-	8.7%	177.6	-	176.5		-0.6%
	2009	756,706	-1.8%	753,985	-4.1%	-0.4%	202.3	14.1%	193.0	0.2%	-4.6%	166.0	-6.5%	176.2	-0.2%	6.2%
	2010	794,526	5.0%	758,694	0.6%	-4.5%	222.6	10.0%	180.2	-6.7%	-19.0%	164.2	-1.1%	158.5	-10.1%	-3.5%
	2011	774,250	-2.6%	747,348	-1.5%	-3.5%	208.7	-6.2%	210.4	16.7%	0.8%	163.4	-0.5%	146.4	-7.7%	-10.4%
	2012	718,167	-7.2%	748,116	0.1%	4.2%	171.1	-18.0%	178.4	-15.2%	4.3%	153.1	-6.3%	156.4	6.8%	2.2%
	2013	716,333	-0.3%	733,843	-1.9%	2.4%	161.5	-5.6%	171.9	-3.7%	6.4%	149.9	-2.1%	155.4	-0.6%	3.7%
	2014	730,250	1.9%	732,567	-0.2%	0.3%	166.4	3.1%	185.9	8.2%	11.7%	158.1	5.5%	163.3	5.1%	3.3%
	2015	738,958	1.2%	733,053	0.1%	-0.8%	195.1	17.3%	185.9	0.0%	-4.8%	151.0	-4.5%	176.6	8.2%	16.9%
	2016	757,330	2.5%	741,811	1.2%	-2.0%	120.2	-38.4%	185.9	0.0%	54.6%	173.5	14.9%	161.9	-8.3%	-6.7%
	2017	721,030	-4.8%	727,775	-1.9%	0.9%	101.6	-15.5%	127.1	-31.6%	25.2%	154.7	-10.8%	171.0	5.6%	10.5%
Projected	2018	747,425	3.7%	747,425	2.7%		184.7	81.9%	184.7	45.3%		160.6	3.8%	160.6	-6.1%	
	2019			755,976	1.1%				186.9	1.2%				162.5	1.2%	
	2020			762,975	0.9%				188.5	0.9%				163.9	0.9%	
	2021			768,608	0.7%				189.9	0.7%				165.1	0.7%	
	2022			774,198	0.7%				191.3	0.7%				166.3	0.7%	
	2023			780,108	0.8%				192.8	0.8%				167.6	0.8%	
	2024			786,382	0.8%				194.3	0.8%				168.9	0.8%	
	2025			792,504	0.8%				195.8	0.8%				170.2	0.8%	
	2026			798,348	0.7%				197.3	0.7%				171.5	0.7%	
	2027			803,950	0.7%				198.6	0.7%				172.7	0.7%	
	2028			809,483	0.7%				200.0	0.7%				173.9	0.7%	
	2029			815,056	0.7%				201.4	0.7%				175.1	0.7%	
	2030			820,641	0.7%				202.7	0.7%				176.2	0.7%	
	2031			826,185	0.7%				204.1	0.7%				177.4	0.7%	
	2032			831,858	0.7%				205.5	0.7%				178.7	0.7%	
	2033			837,541	0.7%				206.9	0.7%				179.9	0.7%	
	2034			843,231	0.7%				208.3	0.7%				181.1	0.7%	
	2035			848,843	0.7%				209.7	0.7%				182.3	0.7%	
	2036			854,413	0.7%				211.1	0.7%				183.5	0.7%	
	2037			859,898	0.6%				212.4	0.6%				184.7	0.6%	
CAGR [3]	2008-2017		-0.7%		-0.9%			-6.0%		-4.5%			-1.5%		-0.4%	
	2018-2027				0.8%					0.8%					0.8%	
	2028-2037				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 2018 Load Forecast - Base Case
Jacksonville Beach
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	770,389	-	770,389	-	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%	757,330	2.5%	171.8	178.0	171.8	178.0	120.2	173.5	164.0	173.5
	2017	721,030	-4.8%	741,972	-2.0%	153.8	162.1	192.4	169.9	101.6	154.7	175.6	160.5
Projected	2018	747,425	3.7%	749,566	1.0%	192.5	170.4	194.4	171.7	184.7	160.6	177.4	162.1
	2019	755,976	1.1%	756,630	0.9%	194.8	172.4	196.1	173.2	186.9	162.5	179.1	163.6
	2020	762,975	0.9%	763,233	0.9%	196.5	173.9	197.8	174.7	188.5	163.9	180.6	165.0
	2021	768,608	0.7%	769,490	0.8%	197.9	175.2	199.4	176.2	189.9	165.1	182.1	166.4
	2022	774,198	0.7%	775,615	0.8%	199.3	176.5	201.0	177.5	191.3	166.3	183.5	167.7
	2023	780,108	0.8%	781,680	0.8%	200.9	177.8	202.6	178.9	192.8	167.6	184.9	169.0
	2024	786,382	0.8%	787,766	0.8%	202.5	179.3	204.2	180.3	194.3	168.9	186.4	170.3
	2025	792,504	0.8%	793,532	0.7%	204.1	180.7	205.6	181.6	195.8	170.2	187.7	171.5
	2026	798,348	0.7%	798,944	0.7%	205.5	182.0	207.0	182.8	197.3	171.5	189.0	172.7
	2027	803,950	0.7%	804,097	0.6%	207.0	183.2	208.3	184.0	198.6	172.7	190.2	173.8
	2028	809,483	0.7%	809,261	0.6%	208.4	184.5	209.7	185.2	200.0	173.9	191.4	174.9
	2029	815,056	0.7%	814,526	0.7%	209.8	185.8	211.0	186.4	201.4	175.1	192.7	176.1
	2030	820,641	0.7%	819,814	0.6%	211.3	187.0	212.4	187.6	202.7	176.2	193.9	177.2
	2031	826,185	0.7%	825,159	0.7%	212.7	188.3	213.8	188.8	204.1	177.4	195.2	178.4
	2032	831,858	0.7%	830,759	0.7%	214.2	189.6	215.3	190.1	205.5	178.7	196.5	179.6
	2033	837,541	0.7%	836,401	0.7%	215.6	190.9	216.7	191.4	206.9	179.9	197.9	180.8
	2034	843,231	0.7%	842,160	0.7%	217.1	192.2	218.2	192.7	208.3	181.1	199.2	182.1
	2035	848,843	0.7%	847,858	0.7%	218.5	193.5	219.7	194.0	209.7	182.3	200.6	183.3
	2036	854,413	0.7%	853,512	0.7%	219.9	194.7	221.2	195.3	211.1	183.5	201.9	184.5
	2037	859,898	0.6%			221.4	196.0			212.4	184.7		
CAGR [1]	Historical		-0.7%		-0.2%	-1.7%	-1.1%	-0.5%	0.0%	-8.3%	-0.9%	-3.0%	0.6%
	1st 10 Prj Yrs		0.8%		0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
	2nd 10 Prj Yrs		0.7%		0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%

[1]   CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	58,174	48,650	51,102	752,326	757,330
	2017	52,428	43,715	51,259	56,239	66,414	67,669	78,132	78,958	68,289	61,401	51,273	52,826	728,604	721,030
Projected	2018	62,444	51,459	50,707	51,921	62,498	71,913	80,013	81,310	69,660	60,810	52,318	53,724	748,777	747,425
	2019	63,387	52,173	51,392	52,576	63,265	72,765	80,928	82,220	70,417	61,451	52,857	54,264	757,696	755,976
	2020	64,008	52,674	51,875	53,060	63,839	73,409	81,627	82,914	70,997	61,945	53,275	54,682	764,304	762,975
	2021	64,486	53,060	52,254	53,449	64,307	73,939	82,208	83,502	71,502	62,385	53,660	55,079	769,831	768,608
	2022	64,945	53,437	52,632	53,842	64,784	74,483	82,809	84,113	72,028	62,845	54,060	55,491	775,470	774,198
	2023	65,427	53,835	53,029	54,255	65,287	75,061	83,453	84,771	72,594	63,341	54,491	55,935	781,479	780,108
	2024	65,950	54,267	53,456	54,694	65,817	75,669	84,128	85,456	73,178	63,847	54,925	56,376	787,763	786,382
	2025	66,467	54,691	53,873	55,119	66,329	76,254	84,775	86,111	73,736	64,330	55,339	56,798	793,822	792,504
	2026	66,962	55,097	54,271	55,525	66,817	76,813	85,392	86,736	74,269	64,790	55,733	57,200	799,604	798,348
	2027	67,433	55,484	54,651	55,913	67,285	77,349	85,987	87,340	74,784	65,237	56,116	57,592	805,172	803,950
Projected	2028	67,895	55,864	55,026	56,297	67,749	77,882	86,580	87,943	75,300	65,686	56,502	57,987	810,713	809,483
	2029	68,361	56,248	55,404	56,683	68,215	78,419	87,178	88,552	75,820	66,139	56,892	58,386	816,298	815,056
	2030	68,831	56,635	55,784	57,071	68,682	78,955	87,773	89,156	76,336	66,585	57,274	58,777	821,860	820,641
	2031	69,293	57,016	56,159	57,455	69,146	79,490	88,370	89,764	76,857	67,040	57,666	59,180	827,434	826,185
	2032	69,767	57,407	56,544	57,849	69,622	80,037	88,978	90,383	77,386	67,499	58,061	59,583	833,115	831,858
	2033	70,243	57,799	56,930	58,242	70,097	80,584	89,587	91,002	77,915	67,960	58,456	59,988	838,802	837,541
	2034	70,722	58,193	57,317	58,637	70,572	81,130	90,194	91,619	78,442	68,416	58,847	60,387	844,477	843,231
	2035	71,192	58,580	57,697	59,025	71,041	81,670	90,795	92,230	78,964	68,870	59,236	60,786	850,087	848,843
	2036	71,663	58,967	58,076	59,411	71,505	82,203	91,387	92,831	79,477	69,315	59,617	61,174	855,626	854,413
	2037	72,122	59,346	58,448	59,791	71,963	82,730	91,975	93,430	79,988	69,759	59,997	61,563	861,111	859,898

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.1%	6.9%	6.7%	6.9%	8.6%	10.1%	11.5%	10.8%	9.4%	7.7%	6.5%	6.8%	100.0%
	2017	7.2%	6.0%	7.0%	7.7%	9.1%	9.3%	10.7%	10.8%	9.4%	8.4%	7.0%	7.3%	100.0%
Projected	2018	8.3%	6.9%	6.8%	6.9%	8.3%	9.6%	10.7%	10.9%	9.3%	8.1%	7.0%	7.2%	100.0%
	2019	8.4%	6.9%	6.8%	6.9%	8.3%	9.6%	10.7%	10.9%	9.3%	8.1%	7.0%	7.2%	100.0%
	2020	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2021	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2022	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2023	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2024	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2025	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2026	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
	2027	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%
Avg.	2008-2017	8.2%	6.9%	6.9%	7.0%	8.7%	9.8%	10.6%	10.5%	9.4%	7.8%	6.7%	7.4%	100.0%
	2018-2027	8.4%	6.9%	6.8%	6.9%	8.4%	9.6%	10.7%	10.8%	9.3%	8.1%	7.0%	7.2%	100.0%

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FMPA 2018 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	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	145.6	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	137.6	110.0	114.4	171.8	178.0
	2017	153.8	94.3	131.4	134.3	152.7	151.6	158.2	162.1	151.6	125.6	117.9	128.8	153.8	162.1
Projected	2018	192.5	165.7	107.8	119.6	145.6	159.5	170.4	164.9	153.7	132.0	119.4	130.3	192.5	170.4
	2019	194.8	167.7	109.1	121.0	147.3	161.4	172.4	166.9	155.5	133.6	120.4	131.5	194.8	172.4
	2020	196.5	169.2	110.0	122.1	148.6	162.8	173.9	168.3	156.9	134.8	121.3	132.4	196.5	173.9
	2021	197.9	170.4	110.8	123.0	149.7	164.0	175.2	169.6	158.0	135.7	122.2	133.4	197.9	175.2
	2022	199.3	171.6	111.6	123.9	150.8	165.2	176.5	170.8	159.2	136.7	123.1	134.4	199.3	176.5
	2023	200.9	173.0	112.5	124.8	151.9	166.5	177.8	172.1	160.4	137.8	124.1	135.5	200.9	177.8
	2024	202.5	174.4	113.4	125.9	153.2	167.8	179.3	173.5	161.7	138.9	125.0	136.5	202.5	179.3
	2025	204.1	175.7	114.3	126.8	154.3	169.1	180.7	174.8	162.9	140.0	126.0	137.5	204.1	180.7
	2026	205.5	177.0	115.1	127.7	155.5	170.3	182.0	176.1	164.1	141.0	126.8	138.5	205.5	182.0
	2027	207.0	178.2	115.9	128.6	156.5	171.5	183.2	177.3	165.3	142.0	127.7	139.4	207.0	183.2
Projected	2028	208.4	179.4	116.7	129.5	157.6	172.7	184.5	178.6	166.4	142.9	128.6	140.4	208.4	184.5
	2029	209.8	180.7	117.5	130.4	158.7	173.9	185.8	179.8	167.5	143.9	129.5	141.4	209.8	185.8
	2030	211.3	181.9	118.3	131.3	159.8	175.1	187.0	181.0	168.7	144.9	130.3	142.3	211.3	187.0
	2031	212.7	183.1	119.1	132.2	160.9	176.3	188.3	182.2	169.8	145.9	131.2	143.3	212.7	188.3
	2032	214.2	184.4	119.9	133.1	162.0	177.5	189.6	183.5	171.0	146.9	132.1	144.3	214.2	189.6
	2033	215.6	185.7	120.8	134.0	163.1	178.7	190.9	184.7	172.2	147.9	133.0	145.2	215.6	190.9
	2034	217.1	186.9	121.6	134.9	164.2	179.9	192.2	186.0	173.3	148.9	133.9	146.2	217.1	192.2
	2035	218.5	188.1	122.4	135.8	165.3	181.1	193.5	187.2	174.5	149.9	134.8	147.2	218.5	193.5
	2036	219.9	189.4	123.2	136.7	166.4	182.3	194.7	188.4	175.6	150.9	135.6	148.1	219.9	194.7
	2037	221.4	190.6	124.0	137.6	167.4	183.4	196.0	189.7	176.7	151.8	136.5	149.0	221.4	196.0

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	56.8%	59.5%	62.0%	50.0%	48.2%
	2017	45.8%	69.0%	52.4%	56.3%	64.7%	60.0%	68.6%	65.5%	62.6%	65.7%	58.4%	57.0%	54.1%	51.3%
Projected	2018	43.6%	46.2%	63.2%	58.3%	63.9%	60.6%	65.2%	66.3%	63.0%	61.9%	58.9%	57.3%	44.4%	50.2%
	2019	43.7%	46.3%	63.3%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.3%	44.4%	50.2%
	2020	43.8%	44.7%	63.4%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.4%	44.4%	50.2%
	2021	43.8%	46.3%	63.4%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.4%	44.4%	50.2%
	2022	43.8%	46.3%	63.4%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.3%	44.4%	50.2%
	2023	43.8%	46.3%	63.4%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.3%	44.4%	50.2%
	2024	43.8%	44.7%	63.4%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.4%	44.4%	50.2%
	2025	43.8%	46.3%	63.4%	58.4%	64.0%	60.6%	65.2%	66.2%	62.9%	61.8%	59.1%	57.4%	44.4%	50.2%
	2026	43.8%	46.3%	63.4%	58.4%	64.0%	60.6%	65.2%	66.2%	62.9%	61.8%	59.1%	57.4%	44.4%	50.2%
	2027	43.8%	46.3%	63.4%	58.4%	64.0%	60.6%	65.2%	66.2%	62.9%	61.8%	59.1%	57.4%	44.4%	50.2%
Avg.	2008-2017	47.0%	48.4%	57.6%	58.5%	67.3%	60.9%	66.7%	64.6%	63.6%	60.0%	56.6%	59.4%	45.9%	50.3%
	2018-2027	43.8%	46.0%	63.3%	58.4%	63.9%	60.6%	65.2%	66.2%	62.9%	61.8%	59.0%	57.3%	44.4%	50.2%

FMPA 2018 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	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	99.4	109.1	101.0	120.2	173.5
	2017	124.0	93.1	101.6	134.3	148.4	149.0	155.9	154.7	143.6	119.2	107.7	122.8	101.6	154.7
Projected	2018	184.7	165.3	102.4	112.3	139.8	152.0	165.7	160.6	144.5	125.3	109.0	124.3	184.7	160.6
	2019	186.9	167.2	103.7	113.7	141.5	153.8	167.7	162.5	146.2	126.8	109.9	125.4	186.9	162.5
	2020	188.5	168.7	104.6	114.7	142.7	155.1	169.2	163.9	147.5	127.9	110.7	126.3	188.5	163.9
	2021	189.9	169.9	105.3	115.5	143.7	156.2	170.4	165.1	148.5	128.9	111.5	127.2	189.9	165.1
	2022	191.3	171.1	106.1	116.3	144.8	157.4	171.7	166.3	149.6	129.8	112.4	128.2	191.3	166.3
	2023	192.8	172.5	106.9	117.2	145.9	158.6	173.0	167.6	150.8	130.8	113.3	129.2	192.8	167.6
	2024	194.3	173.9	107.8	118.2	147.1	159.9	174.4	168.9	152.0	131.9	114.2	130.2	194.3	168.9
	2025	195.8	175.2	108.6	119.1	148.2	161.1	175.7	170.2	153.2	132.9	115.0	131.2	195.8	170.2
	2026	197.3	176.5	109.4	120.0	149.3	162.3	177.0	171.5	154.3	133.8	115.8	132.1	197.3	171.5
	2027	198.6	177.7	110.2	120.8	150.3	163.4	178.2	172.7	155.3	134.8	116.6	133.0	198.6	172.7
Projected	2028	200.0	178.9	110.9	121.6	151.4	164.5	179.5	173.9	156.4	135.7	117.4	133.9	200.0	173.9
	2029	201.4	180.2	111.7	122.5	152.4	165.7	180.7	175.1	157.5	136.6	118.2	134.8	201.4	175.1
	2030	202.7	181.4	112.4	123.3	153.4	166.8	181.9	176.2	158.6	137.6	119.0	135.7	202.7	176.2
	2031	204.1	182.6	113.2	124.1	154.5	167.9	183.2	177.4	159.6	138.5	119.8	136.7	204.1	177.4
	2032	205.5	183.9	114.0	125.0	155.5	169.1	184.4	178.7	160.7	139.4	120.6	137.6	205.5	178.7
	2033	206.9	185.1	114.8	125.8	156.6	170.2	185.7	179.9	161.8	140.4	121.4	138.5	206.9	179.9
	2034	208.3	186.4	115.5	126.7	157.7	171.4	186.9	181.1	162.9	141.3	122.2	139.5	208.3	181.1
	2035	209.7	187.6	116.3	127.5	158.7	172.5	188.2	182.3	164.0	142.3	123.0	140.4	209.7	182.3
	2036	211.1	188.8	117.1	128.4	159.7	173.7	189.4	183.5	165.1	143.2	123.8	141.3	211.1	183.5
	2037	212.4	190.0	117.8	129.2	160.8	174.8	190.6	184.7	166.1	144.1	124.6	142.2	212.4	184.7

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	72.3%	99.1%	88.2%	70.0%	97.5%
	2017	80.7%	98.7%	77.3%	100.0%	97.2%	98.3%	98.6%	95.4%	94.7%	94.9%	91.3%	95.4%	66.0%	95.4%
Projected	2018	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2019	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2020	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2021	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2022	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2023	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2024	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2025	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2026	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2027	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%
	2008-2017	96.0%	99.1%	94.8%	94.1%	95.4%	94.7%	96.7%	97.0%	93.3%	94.3%	87.9%	94.7%	91.3%	95.0%
	2018-2027	96.0%	99.7%	95.0%	93.9%	96.0%	95.3%	97.3%	97.4%	94.0%	94.9%	91.3%	95.4%	96.0%	94.2%

FMPA 2018 Load Forecast - Base Case - Beaches Energy

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	General Service Non-Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	General Service Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	City Sales (MWh)	% Chg	Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	442,242		28,262		15,648		93,374		4,301		21.7		187,025		345		542		8,356		3,997		734,994		35,395	4.6%	770,389	
	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	5.0%	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	3.7%	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	4.3%	774,250	-2.6%
	2012	422,156	-7.5%	28,645	1.1%	14,738	-8.6%	82,420	-4.9%	4,087	0.3%	20.2	-5.2%	183,493	-1.1%	368	1.0%	499	-2.1%	7,002	-12.5%	4,123	0.3%	699,194	-5.6%	18,973	2.6%	718,167	-7.2%
	2013	417,836	-1.0%	28,800	0.5%	14,508	-1.6%	80,893	-1.9%	4,145	1.4%	19.5	-3.2%	174,397	-5.0%	359	-2.5%	486	-2.5%	7,912	13.0%	4,127	0.1%	685,165	-2.0%	31,168	4.4%	716,333	-0.3%
	2014	432,485	3.5%	29,077	1.0%	14,874	2.5%	82,066	1.4%	4,191	1.1%	19.6	0.3%	176,532	1.2%	351	-2.1%	503	3.4%	7,922	0.1%	4,137	0.2%	703,142	2.6%	27,109	3.7%	730,250	1.9%
	2015	444,772	2.8%	29,573	1.7%	15,040	1.1%	86,344	5.2%	4,242	1.2%	20.4	3.9%	177,045	0.3%	333	-5.3%	532	5.9%	8,072	1.9%	4,142	0.1%	720,375	2.5%	18,583	2.5%	738,958	1.2%
	2016	445,711	0.2%	29,790	0.7%	14,962	-0.5%	87,602	1.5%	4,303	1.4%	20.4	0.3%	178,982	1.1%	335	0.8%	534	0.3%	8,023	-0.6%	4,153	0.3%	724,471	0.6%	32,860	4.3%	757,330	2.5%
	2017	423,620	-5.0%	29,926	0.5%	14,156	-5.4%	84,834	-3.2%	4,352	1.1%	19.5	-4.3%	176,853	-1.2%	335	-0.1%	528	-1.1%	7,947	-0.9%	4,168	0.4%	697,422	-3.7%	23,608	3.3%	721,030	-4.8%
Projected	2018	444,687	5.0%	30,132	0.7%	14,758	4.3%	85,469	0.7%	4,458	2.4%	19.2	-1.6%	179,600	1.6%	339	1.0%	531	0.5%	8,200	3.2%	4,168	0.0%	722,123	3.5%	25,302	3.4%	747,425	3.7%
	2019	448,490	0.9%	30,263	0.4%	14,820	0.4%	88,205	3.2%	4,590	3.0%	19.2	0.2%	181,102	0.8%	345	2.0%	524	-1.2%	8,234	0.4%	4,168	0.0%	730,198	1.1%	25,778	3.4%	755,976	1.1%
	2020	452,286	0.8%	30,389	0.4%	14,883	0.4%	90,124	2.2%	4,674	1.8%	19.3	0.3%	182,145	0.6%	350	1.5%	520	-0.9%	8,257	0.3%	4,168	0.0%	736,980	0.9%	25,995	3.4%	762,975	0.9%
	2021	454,960	0.6%	30,506	0.4%	14,914	0.2%	91,860	1.9%	4,744	1.5%	19.4	0.4%	183,160	0.6%	354	1.1%	517	-0.6%	8,284	0.3%	4,168	0.0%	742,431	0.7%	26,177	3.4%	768,608	0.7%
	2022	457,579	0.6%	30,613	0.4%	14,947	0.2%	93,509	1.8%	4,816	1.5%	19.4	0.3%	184,250	0.6%	358	1.0%	515	-0.4%	8,319	0.4%	4,168	0.0%	747,826	0.7%	26,372	3.4%	774,198	0.7%
	2023	460,565	0.7%	30,712	0.3%	14,996	0.3%	95,130	1.7%	4,883	1.4%	19.5	0.3%	185,313	0.6%	361	0.8%	513	-0.2%	8,354	0.4%	4,168	0.0%	753,529	0.8%	26,579	3.4%	780,108	0.8%
	2024	463,960	0.7%	30,806	0.3%	15,061	0.4%	96,740	1.7%	4,947	1.3%	19.6	0.4%	186,331	0.5%	363	0.7%	513	-0.1%	8,386	0.4%	4,168	0.0%	759,585	0.8%	26,796	3.4%	786,382	0.8%
	2025	467,347	0.7%	30,893	0.3%	15,128	0.4%	98,281	1.6%	5,005	1.2%	19.6	0.4%	187,288	0.5%	366	0.6%	512	-0.1%	8,417	0.4%	4,168	0.0%	765,502	0.8%	27,002	3.4%	792,504	0.8%
	2026	470,592	0.7%	30,973	0.3%	15,194	0.4%	99,731	1.5%	5,061	1.1%	19.7	0.4%	188,211	0.5%	368	0.5%	512	0.0%	8,447	0.4%	4,168	0.0%	771,150	0.7%	27,198	3.4%	798,348	0.7%
	2027	473,730	0.7%	31,051	0.3%	15,257	0.4%	101,091	1.4%	5,113	1.0%	19.8	0.3%	189,099	0.5%	369	0.5%	512	0.0%	8,476	0.3%	4,168	0.0%	776,563	0.7%	27,387	3.4%	803,950	0.7%
	2028	476,855	0.7%	31,131	0.3%	15,318	0.4%	102,387	1.3%	5,165	1.0%	19.8	0.3%	189,994	0.5%	371	0.5%	512	0.0%	8,504	0.3%	4,168	0.0%	781,908	0.7%	27,575	3.4%	809,483	0.7%
	2029	480,032	0.7%	31,217	0.3%	15,377	0.4%	103,648	1.2%	5,217	1.0%	19.9	0.2%	190,910	0.5%	373	0.4%	512	0.0%	8,534	0.3%	4,168	0.0%	787,291	0.7%	27,765	3.4%	815,056	0.7%
	2030	483,237	0.7%	31,305	0.3%	15,436	0.4%	104,900	1.2%	5,268	1.0%	19.9	0.2%	191,819	0.5%	374	0.4%	513	0.0%	8,563	0.3%	4,168	0.0%	792,686	0.7%	27,954	3.4%	820,641	0.7%
	2031	486,421	0.7%	31,394	0.3%	15,494	0.4%	106,134	1.2%	5,318	0.9%	20.0	0.2%	192,727	0.5%	376	0.4%	513	0.1%	8,592	0.3%	4,168	0.0%	798,042	0.7%	28,143	3.4%	826,185	0.7%
	2032	489,656	0.7%	31,482	0.3%	15,554	0.4%	107,371	1.2%	5,371	1.0%	20.0	0.2%	193,702	0.5%	377	0.4%	513	0.1%	8,623	0.4%	4,168	0.0%	803,520	0.7%	28,337	3.4%	831,858	0.7%
	2033	492,937	0.7%	31,570	0.3%	15,614	0.4%	108,606	1.2%	5,421	0.9%	20.0	0.2%	194,647	0.5%	379	0.4%	514	0.1%	8,653	0.3%	4,168	0.0%	809,011	0.7%	28,530	3.4%	837,541	0.7%
	2034	496,244	0.7%	31,656	0.3%	15,676	0.4%	109,837	1.1%	5,469	0.9%	20.1	0.2%	195,576	0.5%	380	0.4%	514	0.1%	8,683	0.3%	4,168	0.0%	814,508	0.7%	28,724	3.4%	843,231	0.7%
	2035	499,507	0.7%	31,740	0.3%	15,737	0.4%	111,036	1.1%	5,517	0.9%	20.1	0.2%	196,507	0.5%	382	0.4%	515	0.1%	8,713	0.3%	4,168	0.0%	819,930	0.7%	28,913	3.4%	848,843	0.7%
	2036	502,756	0.7%	31,825	0.3%	15,798	0.4%	112,205	1.1%	5,564	0.8%	20.2	0.2%	197,440	0.5%	383	0.4%	515	0.1%	8,742	0.3%	4,168	0.0%	825,311	0.7%	29,102	3.4%	854,413	0.7%
	2037	505,979	0.6%	31,906	0.3%	15,858	0.4%	113,348	1.0%	5,608	0.8%	20.2	0.2%	198,344	0.5%	384	0.3%	516	0.1%	8,771	0.3%	4,168	0.0%	830,610	0.6%	29,288	3.4%	859,898	0.6%
CAGR	2008-2017		-0.5%		0.6%		-1.1%		-1.1%		0.1%		-1.2%		-0.6%		-0.3%		-0.3%		-0.6%		0.5%		-0.6%		3.8%		-0.7%
	2018-2027		0.7%		0.3%		0.4%		1.9%		1.5%		0.3%		0.6%		1.0%		-0.4%		0.4%		0.0%		0.8%		3.4%		0.8%
	2028-2037		0.7%		0.3%		0.4%		1.1%		0.9%		0.2%		0.5%		0.4%		0.1%		0.3%		0.0%		0.7%		3.4%		0.7%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	447.8	-	173.5	-	285.3	-	17.54	-	20,296	-	14,725	-	84,887	-
1998	454.3	1.5%	177.0	2.0%	295.0	3.4%	18.28	4.3%	21,749	7.2%	15,889	7.9%	89,782	5.8%
1999	459.5	1.1%	179.5	1.4%	301.2	2.1%	17.94	-1.9%	22,347	2.7%	16,335	2.8%	90,995	1.4%
2000	465.3	1.3%	182.3	1.6%	313.6	4.1%	18.38	2.5%	23,586	5.5%	17,386	6.4%	95,357	4.8%
2001	473.5	1.8%	189.6	4.0%	311.9	-0.5%	17.85	-2.9%	23,863	1.2%	17,503	0.7%	92,319	-3.2%
2002	481.4	1.7%	193.1	1.8%	311.7	-0.1%	16.81	-5.8%	24,771	3.8%	17,837	1.9%	92,384	0.1%
2003	489.2	1.6%	197.9	2.5%	319.7	2.5%	16.29	-3.1%	26,108	5.4%	18,425	3.3%	93,088	0.8%
2004	499.3	2.0%	201.0	1.6%	329.5	3.1%	16.29	0.0%	27,257	4.4%	19,334	4.9%	96,176	3.3%
2005	508.0	1.8%	205.0	2.0%	339.0	2.9%	16.31	0.1%	28,623	5.0%	20,397	5.5%	99,499	3.5%
2006	518.8	2.1%	208.7	1.8%	350.3	3.4%	16.36	0.3%	29,894	4.4%	21,744	6.6%	104,202	4.7%
2007	526.7	1.5%	212.2	1.7%	356.3	1.7%	16.05	-1.9%	30,483	2.0%	22,019	1.3%	103,761	-0.4%
2008	532.1	1.0%	213.6	0.7%	350.8	-1.5%	15.48	-3.6%	28,865	-5.3%	21,590	-1.9%	101,067	-2.6%
2009	536.5	0.8%	214.1	0.2%	336.4	-4.1%	14.22	-8.1%	28,018	-2.9%	20,355	-5.7%	95,074	-5.9%
2010	542.0	1.0%	214.7	0.3%	334.4	-0.6%	13.33	-6.3%	28,116	0.3%	21,000	3.2%	97,804	2.9%
2011	547.8	1.1%	219.5	2.2%	342.2	2.3%	13.47	1.1%	27,456	-2.3%	21,652	3.1%	98,623	0.8%
2012	555.2	1.4%	221.3	0.8%	345.5	1.0%	13.87	2.9%	27,863	1.5%	22,217	2.6%	100,374	1.8%
2013	562.1	1.3%	224.3	1.4%	351.9	1.9%	14.01	1.1%	28,477	2.2%	22,082	-0.6%	98,435	-1.9%
2014	572.3	1.8%	228.9	2.0%	361.6	2.8%	14.04	0.2%	29,134	2.3%	22,760	3.1%	99,421	1.0%
2015	583.5	2.0%	232.8	1.7%	375.1	3.7%	14.78	5.3%	30,361	4.2%	23,929	5.1%	102,782	3.4%
2016	591.6	1.4%	237.9	2.2%	383.4	2.2%	15.02	1.6%	31,159	2.6%	24,771	3.5%	104,113	1.3%
2017	601.3	1.6%	243.1	2.2%	391.6	2.1%	15.21	1.2%	31,917	2.4%	25,611	3.4%	105,353	1.2%
2018	607.9	1.1%	246.7	1.5%	397.9	1.6%	15.30	0.6%	32,672	2.4%	26,413	3.1%	107,052	1.6%
2019	614.2	1.0%	250.2	1.4%	403.7	1.4%	15.38	0.5%	33,363	2.1%	27,165	2.8%	108,577	1.4%
2020	620.3	1.0%	253.4	1.3%	409.3	1.4%	15.45	0.5%	34,035	2.0%	27,855	2.5%	109,921	1.2%
2021	626.0	0.9%	256.4	1.2%	414.8	1.4%	15.49	0.3%	34,719	2.0%	28,662	2.9%	111,785	1.7%
2022	631.6	0.9%	259.1	1.1%	421.2	1.5%	15.48	-0.1%	35,464	2.1%	29,462	2.8%	113,692	1.7%
2023	637.1	0.9%	261.7	1.0%	427.4	1.5%	15.44	-0.3%	36,200	2.1%	30,258	2.7%	115,609	1.7%
2024	642.5	0.8%	264.1	0.9%	432.8	1.3%	15.39	-0.4%	36,884	1.9%	31,007	2.5%	117,400	1.5%
2025	647.7	0.8%	266.3	0.8%	438.1	1.2%	15.31	-0.5%	37,557	1.8%	31,754	2.4%	119,241	1.6%
2026	652.7	0.8%	268.4	0.8%	443.2	1.2%	15.23	-0.5%	38,232	1.8%	32,469	2.2%	120,988	1.5%
2027	658.0	0.8%	270.5	0.8%	448.1	1.1%	15.16	-0.5%	38,924	1.8%	33,199	2.2%	122,719	1.4%
2028	663.4	0.8%	272.8	0.9%	453.0	1.1%	15.06	-0.7%	39,646	1.9%	33,959	2.3%	124,461	1.4%
2029	669.1	0.9%	275.2	0.9%	458.2	1.2%	14.97	-0.6%	40,400	1.9%	34,754	2.3%	126,281	1.5%
2030	674.8	0.9%	277.6	0.9%	463.5	1.1%	14.88	-0.6%	41,162	1.9%	35,502	2.2%	127,912	1.3%
2031	680.7	0.9%	280.0	0.9%	468.8	1.2%	14.79	-0.6%	41,934	1.9%	36,378	2.5%	129,942	1.6%
2032	686.5	0.9%	282.4	0.9%	474.5	1.2%	14.68	-0.7%	42,715	1.9%	37,233	2.4%	131,866	1.5%
2033	692.4	0.9%	284.8	0.9%	479.7	1.1%	14.58	-0.7%	43,485	1.8%	38,085	2.3%	133,746	1.4%
2034	698.1	0.8%	287.1	0.8%	484.5	1.0%	14.48	-0.7%	44,263	1.8%	38,947	2.3%	135,634	1.4%
2035	703.8	0.8%	289.5	0.8%	489.4	1.0%	14.38	-0.7%	45,051	1.8%	39,841	2.3%	137,633	1.5%
2036	709.2	0.8%	291.7	0.8%	494.2	1.0%	14.27	-0.7%	45,840	1.8%	40,728	2.2%	139,606	1.4%
2037	714.5	0.7%	294.1	0.8%	498.8	0.9%	14.16	-0.8%	46,638	1.7%	41,587	2.1%	141,411	1.3%
Average Percent Change														
2007-2017		1.3%		1.4%		0.9%		-0.5%		0.5%		1.5%		0.2%
2018-2027		0.9%		1.0%		1.3%		-0.1%		2.0%		2.6%		1.5%
2028-2037		0.8%		0.8%		1.1%		-0.7%		1.8%		2.3%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Jax Beach

Legend: HDD, CDD, Normal HDD, Normal CDD
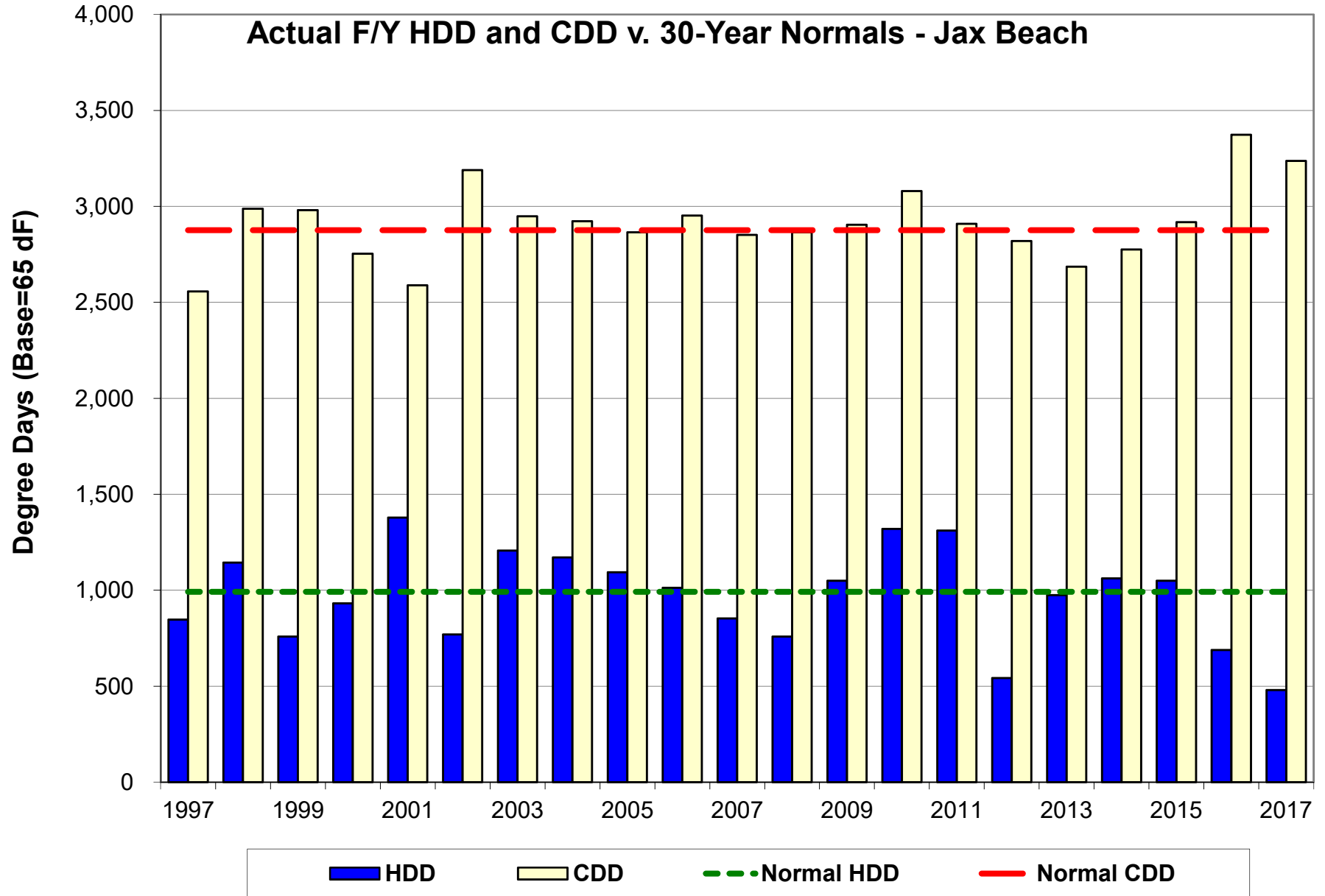
FMPA 2018 Load Forecast - Base Case
Keys Energy
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

| | Year | Net Energy for Load (FY) | | | | | Coincident Peak Demand w/ARP Seasonal CP [1,2] | | | | | | | | | |
| | | Actual (MWh) | Percent Change | Weather-normalized (MWh) | Percent Change | Percent Diff. | Winter Demand (prior Nov - current Mar) | | | | | Summer Demand (Apr-Oct) | | | | |
							Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2008	774,530	-	741,567	-	-4.3%	94.1	-	90.5	-	-3.8%	125.0	-	129.4		3.5%
	2009	732,928	-5.4%	733,289	-1.1%	0.0%	91.9	-2.3%	79.9	-11.7%	-13.1%	130.0	4.0%	122.8	-5.1%	-5.6%
	2010	747,958	2.1%	725,720	-1.0%	-3.0%	116.0	26.2%	104.8	31.1%	-9.7%	133.4	2.6%	131.1	6.8%	-1.7%
	2011	747,355	-0.1%	732,295	0.9%	-2.0%	76.9	-33.7%	88.3	-15.8%	14.7%	134.8	1.1%	134.4	2.5%	-0.3%
	2012	745,122	-0.3%	739,440	1.0%	-0.8%	80.6	4.7%	80.2	-9.2%	-0.5%	136.7	1.4%	142.0	5.7%	3.9%
	2013	738,003	-1.0%	739,486	0.0%	0.2%	70.6	-12.3%	77.7	-3.1%	10.1%	129.6	-5.2%	130.8	-7.9%	0.9%
	2014	770,420	4.4%	739,862	0.1%	-4.0%	75.0	6.2%	79.9	2.7%	6.5%	132.7	2.4%	135.6	3.7%	2.2%
	2015	779,772	1.2%	753,787	1.9%	-3.3%	89.9	19.9%	80.1	0.3%	-11.0%	130.0	-2.1%	126.7	-6.6%	-2.6%
	2016	800,141	2.6%	771,976	2.4%	-3.5%	123.7	37.5%	84.9	6.0%	-31.4%	140.6	8.1%	140.7	11.1%	0.1%
	2017	764,330	-4.5%	744,282	-3.6%	-2.6%	112.6	-8.9%	79.3	-6.6%	-29.6%	140.7	0.1%	136.8	-2.8%	-2.8%
Projected	2018	739,920	-3.2%	739,920	-0.6%		79.7	-29.2%	79.7	0.5%		132.9	-5.5%	132.9	-2.8%	
	2019			757,500	2.4%				80.7	1.3%				134.6	1.3%	
	2020			765,060	1.0%				81.5	1.0%				136.0	1.0%	
	2021			772,194	0.9%				82.2	0.8%				137.0	0.8%	
	2022			775,312	0.4%				82.5	0.4%				137.6	0.4%	
	2023			778,671	0.4%				82.9	0.4%				138.2	0.4%	
	2024			781,177	0.3%				83.1	0.3%				138.6	0.3%	
	2025			783,593	0.3%				83.4	0.3%				139.0	0.3%	
	2026			785,917	0.3%				83.6	0.3%				139.5	0.3%	
	2027			788,194	0.3%				83.9	0.3%				139.9	0.3%	
	2028			790,344	0.3%				84.1	0.3%				140.2	0.3%	
	2029			792,440	0.3%				84.3	0.3%				140.6	0.3%	
	2030			794,507	0.3%				84.5	0.3%				141.0	0.3%	
	2031			796,651	0.3%				84.8	0.3%				141.4	0.3%	
	2032			798,722	0.3%				85.0	0.3%				141.7	0.3%	
	2033			800,651	0.2%				85.2	0.2%				142.0	0.2%	
	2034			802,461	0.2%				85.4	0.2%				142.4	0.2%	
	2035			804,131	0.2%				85.5	0.2%				142.7	0.2%	
	2036			805,771	0.2%				85.7	0.2%				143.0	0.2%	
	2037			807,474	0.2%				85.9	0.2%				143.3	0.2%	
CAGR [3]	2008-2017		-0.1%		0.0%			2.0%		-1.5%			1.3%		0.6%	
	2018-2027				0.7%					0.6%					0.6%	
	2028-2037				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 2018 Load Forecast - Base Case
Keys Energy
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	774,530	-	774,530	-	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%	800,141	2.6%	128.5	147.2	128.5	147.2	123.7	140.6	72.5	140.6
	2017	764,330	-4.5%	783,099	-2.1%	116.6	148.0	121.2	144.6	112.6	140.7	73.4	134.6
Projected	2018	739,920	-3.2%	790,511	0.9%	118.3	142.4	122.2	145.7	79.7	132.9	74.0	135.6
	2019	757,500	2.4%	791,988	0.2%	119.8	144.2	122.4	146.0	80.7	134.6	74.1	135.9
	2020	765,060	1.0%	794,287	0.3%	121.0	145.6	122.7	146.4	81.5	136.0	74.3	136.2
	2021	772,194	0.9%	796,916	0.3%	121.9	146.8	123.2	146.9	82.2	137.0	74.6	136.8
	2022	775,312	0.4%	800,435	0.4%	122.4	147.4	123.7	147.6	82.5	137.6	74.9	137.4
	2023	778,671	0.4%	803,448	0.4%	122.9	148.0	124.2	148.1	82.9	138.2	75.2	137.8
	2024	781,177	0.3%	805,790	0.3%	123.3	148.5	124.5	148.5	83.1	138.6	75.4	138.2
	2025	783,593	0.3%	807,735	0.2%	123.7	148.9	124.8	148.9	83.4	139.0	75.6	138.5
	2026	785,917	0.3%	809,553	0.2%	124.1	149.4	125.1	149.2	83.6	139.5	75.8	138.9
	2027	788,194	0.3%	811,415	0.2%	124.4	149.8	125.4	149.5	83.9	139.9	75.9	139.2
	2028	790,344	0.3%	813,178	0.2%	124.8	150.2	125.6	149.9	84.1	140.2	76.1	139.5
	2029	792,440	0.3%	814,797	0.2%	125.1	150.6	125.9	150.1	84.3	140.6	76.3	139.7
	2030	794,507	0.3%	816,208	0.2%	125.4	151.0	126.1	150.4	84.5	141.0	76.4	140.0
	2031	796,651	0.3%	817,565	0.2%	125.7	151.4	126.3	150.7	84.8	141.4	76.5	140.2
	2032	798,722	0.3%	818,920	0.2%	126.1	151.8	126.5	150.9	85.0	141.7	76.6	140.4
	2033	800,651	0.2%	820,019	0.1%	126.4	152.1	126.7	151.1	85.2	142.0	76.7	140.6
	2034	802,461	0.2%	820,997	0.1%	126.6	152.5	126.8	151.3	85.4	142.4	76.8	140.8
	2035	804,131	0.2%	821,881	0.1%	126.9	152.8	127.0	151.4	85.5	142.7	76.9	140.9
	2036	805,771	0.2%	822,798	0.1%	127.2	153.1	127.1	151.6	85.7	143.0	77.0	141.1
	2037	807,474	0.2%			127.4	153.4			85.9	143.3		
CAGR [1]	Historical		-0.1%		0.4%	0.1%	0.9%	1.3%	1.0%	2.6%	1.0%	-3.3%	1.1%
	1st 10 Prj Yrs		0.7%		0.4%	0.6%	0.6%	0.3%	0.3%	0.6%	0.6%	0.3%	0.3%
	2nd 10 Prj Yrs		0.2%		0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

[1]   CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	66,855	54,673	60,964	786,625	800,141
	2017	55,757	52,183	57,213	60,944	71,292	74,888	81,754	80,336	47,471	59,342	51,808	55,179	748,166	764,330
Projected	2018	50,988	47,783	55,319	60,034	63,585	72,378	76,875	76,792	69,838	65,742	53,537	56,830	749,701	739,920
	2019	52,470	49,133	55,908	60,691	64,318	73,170	77,667	77,542	70,492	66,384	54,084	57,424	759,282	757,500
	2020	53,038	49,675	56,503	61,307	64,954	73,873	78,392	78,260	71,164	67,036	54,627	57,970	766,801	765,060
	2021	53,566	50,157	57,036	61,848	65,501	74,501	79,082	78,988	71,882	67,268	54,826	58,194	772,850	772,194
	2022	53,778	50,355	57,267	62,098	65,770	74,812	79,421	79,329	72,194	67,560	55,064	58,447	776,095	775,312
	2023	54,015	50,572	57,517	62,365	66,053	75,136	79,767	79,672	72,504	67,777	55,240	58,634	779,252	778,671
	2024	54,188	50,734	57,704	62,565	66,265	75,377	80,025	79,928	72,737	67,994	55,416	58,820	781,754	781,177
	2025	54,360	50,892	57,885	62,757	66,468	75,607	80,269	80,170	72,956	68,195	55,579	58,993	784,131	783,593
	2026	54,520	51,041	58,057	62,942	66,664	75,832	80,510	80,410	73,175	68,399	55,744	59,169	786,462	785,917
	2027	54,683	51,190	58,227	63,123	66,855	76,048	80,740	80,637	73,380	68,587	55,896	59,329	788,694	788,194
Projected	2028	54,832	51,328	58,386	63,294	67,037	76,255	80,961	80,858	73,581	68,774	56,048	59,489	790,843	790,344
	2029	54,981	51,465	58,543	63,461	67,213	76,455	81,174	81,068	73,770	68,949	56,189	59,638	792,906	792,440
	2030	55,120	51,596	58,694	63,625	67,388	76,658	81,392	81,287	73,971	69,136	56,341	59,800	795,007	794,507
	2031	55,271	51,734	58,853	63,795	67,568	76,864	81,613	81,507	74,170	69,320	56,490	59,957	797,141	796,651
	2032	55,417	51,868	59,007	63,959	67,742	77,062	81,825	81,717	74,360	69,494	56,629	60,103	799,181	798,722
	2033	55,553	51,993	59,149	64,111	67,903	77,247	82,022	81,912	74,536	69,656	56,760	60,240	801,081	800,651
	2034	55,680	52,110	59,283	64,254	68,054	77,420	82,207	82,096	74,702	69,808	56,881	60,367	802,862	802,461
	2035	55,799	52,219	59,407	64,386	68,193	77,579	82,376	82,263	74,853	69,947	56,993	60,483	804,497	804,131
	2036	55,909	52,322	59,526	64,515	68,332	77,740	82,551	82,439	75,014	70,096	57,114	60,612	806,169	805,771
	2037	56,029	52,432	59,652	64,650	68,475	77,904	82,727	82,613	75,170	70,239	57,228	60,730	807,850	807,474

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	9.6%	10.5%	10.1%	9.0%	8.5%	7.0%	7.8%	100.0%
	2017	7.5%	7.0%	7.6%	8.1%	9.5%	10.0%	10.9%	10.7%	6.3%	7.9%	6.9%	7.4%	100.0%
Projected	2018	6.8%	6.4%	7.4%	8.0%	8.5%	9.7%	10.3%	10.2%	9.3%	8.8%	7.1%	7.6%	100.0%
	2019	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.6%	100.0%
	2020	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.6%	100.0%
	2021	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2022	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2023	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2024	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2025	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2026	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
	2027	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%
Avg.	2008-2017	7.0%	6.6%	7.5%	8.0%	9.1%	9.6%	10.3%	10.2%	8.8%	8.5%	7.1%	7.3%	100.0%
	2018-2027	6.9%	6.5%	7.4%	8.0%	8.5%	9.6%	10.2%	10.2%	9.3%	8.7%	7.1%	7.5%	100.0%

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FMPA 2018 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	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	130.6	107.2	116.2	128.5	147.2
	2017	114.5	113.4	116.6	126.0	139.1	138.9	148.0	147.0	141.7	132.3	114.4	111.5	116.6	148.0
Projected	2018	106.5	106.5	118.3	123.4	132.2	137.6	142.4	140.8	134.3	127.3	110.1	112.9	118.3	142.4
	2019	107.9	107.9	119.8	125.0	133.9	139.3	144.2	142.6	136.0	128.9	111.5	114.1	119.8	144.2
	2020	109.0	108.9	121.0	126.2	135.3	140.7	145.6	144.0	137.3	130.2	112.6	115.0	121.0	145.6
	2021	109.8	109.8	121.9	127.2	136.3	141.8	146.8	145.2	138.4	131.2	113.5	115.4	121.9	146.8
	2022	110.3	110.3	122.4	127.8	136.9	142.4	147.4	145.8	139.0	131.8	114.0	115.9	122.4	147.4
	2023	110.7	110.7	122.9	128.3	137.5	143.0	148.0	146.4	139.6	132.3	114.5	116.3	122.9	148.0
	2024	111.1	111.1	123.3	128.7	137.9	143.5	148.5	146.8	140.0	132.7	114.8	116.6	123.3	148.5
	2025	111.4	111.4	123.7	129.1	138.3	143.9	148.9	147.3	140.4	133.2	115.2	117.0	123.7	148.9
	2026	111.8	111.7	124.1	129.5	138.7	144.3	149.4	147.7	140.9	133.5	115.5	117.3	124.1	149.4
	2027	112.1	112.1	124.4	129.8	139.1	144.7	149.8	148.1	141.3	133.9	115.8	117.6	124.4	149.8
Projected	2028	112.4	112.4	124.8	130.2	139.5	145.1	150.2	148.5	141.6	134.3	116.2	117.9	124.8	150.2
	2029	112.7	112.7	125.1	130.5	139.9	145.5	150.6	148.9	142.0	134.6	116.5	118.3	125.1	150.6
	2030	113.0	113.0	125.4	130.9	140.2	145.9	151.0	149.3	142.4	135.0	116.8	118.6	125.4	151.0
	2031	113.3	113.3	125.7	131.2	140.6	146.3	151.4	149.7	142.8	135.4	117.1	118.9	125.7	151.4
	2032	113.6	113.5	126.1	131.6	141.0	146.7	151.8	150.1	143.1	135.7	117.4	119.2	126.1	151.8
	2033	113.8	113.8	126.4	131.9	141.3	147.0	152.1	150.5	143.5	136.0	117.7	119.4	126.4	152.1
	2034	114.1	114.1	126.6	132.2	141.6	147.3	152.5	150.8	143.8	136.3	117.9	119.7	126.6	152.5
	2035	114.3	114.3	126.9	132.4	141.9	147.6	152.8	151.1	144.1	136.6	118.2	119.9	126.9	152.8
	2036	114.6	114.5	127.2	132.7	142.2	148.0	153.1	151.4	144.4	136.9	118.4	120.2	127.2	153.1
	2037	114.8	114.8	127.4	133.0	142.5	148.3	153.4	151.7	144.7	137.2	118.7	120.4	127.4	153.4

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	57.9%	62.3%	64.9%	63.4%	76.6%	71.6%	77.6%	74.0%	71.8%	68.8%	68.5%	72.9%	69.9%	61.0%
	2017	65.5%	68.5%	65.9%	65.0%	76.3%	72.5%	76.7%	73.5%	46.5%	60.3%	60.8%	68.7%	73.2%	57.7%
Projected	2018	64.3%	66.8%	62.9%	65.4%	71.5%	70.7%	75.0%	73.3%	72.2%	69.4%	65.3%	69.9%	72.4%	60.1%
	2019	65.4%	67.8%	62.7%	65.3%	71.5%	70.6%	74.8%	73.1%	72.0%	69.2%	65.2%	69.9%	72.4%	60.1%
	2020	65.4%	65.5%	62.8%	65.3%	71.5%	70.6%	74.8%	73.0%	72.0%	69.2%	65.2%	70.0%	72.4%	60.1%
	2021	65.6%	68.0%	62.9%	65.3%	71.5%	70.6%	74.8%	73.1%	72.1%	68.9%	64.9%	70.0%	72.4%	60.1%
	2022	65.5%	68.0%	62.9%	65.3%	71.5%	70.6%	74.8%	73.1%	72.1%	68.9%	64.9%	70.0%	72.4%	60.1%
	2023	65.6%	68.0%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.2%	68.8%	64.9%	70.0%	72.4%	60.1%
	2024	65.6%	65.6%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.2%	68.8%	64.9%	70.0%	72.4%	60.1%
	2025	65.6%	68.0%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.1%	68.8%	64.9%	70.0%	72.4%	60.1%
	2026	65.6%	68.0%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.2%	68.8%	64.9%	70.0%	72.4%	60.1%
	2027	65.6%	68.0%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.1%	68.8%	64.9%	70.0%	72.4%	60.1%
Avg.	2008-2017	66.8%	68.0%	66.5%	66.6%	79.0%	71.9%	77.2%	74.8%	70.0%	68.9%	65.0%	70.5%	73.6%	61.6%
	2018-2027	65.4%	67.4%	62.9%	65.3%	71.5%	70.6%	74.9%	73.2%	72.1%	69.0%	65.0%	70.0%	72.4%	60.1%

FMPA 2018 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	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	123.9	130.4	124.4	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	129.6	105.0	107.9	123.7	140.6
	2017	67.4	112.6	112.6	124.7	135.8	134.1	139.8	140.7	140.2	128.9	103.7	85.2	112.6	140.7
Projected	2018	79.7	77.4	100.1	116.1	123.4	132.2	135.1	132.9	127.2	124.0	99.8	86.3	79.7	132.9
	2019	80.7	78.4	101.3	117.6	125.0	133.9	136.8	134.6	128.9	125.6	101.1	87.1	80.7	134.6
	2020	81.5	79.1	102.3	118.8	126.2	135.2	138.2	136.0	130.1	126.9	102.1	87.8	81.5	136.0
	2021	82.2	79.8	103.2	119.7	127.2	136.3	139.2	137.0	131.2	127.9	102.9	88.2	82.2	137.0
	2022	82.5	80.1	103.6	120.2	127.7	136.9	139.8	137.6	131.7	128.4	103.3	88.5	82.5	137.6
	2023	82.9	80.4	104.0	120.7	128.3	137.4	140.4	138.2	132.3	128.9	103.7	88.8	82.9	138.2
	2024	83.1	80.7	104.3	121.1	128.7	137.9	140.8	138.6	132.7	129.3	104.1	89.1	83.1	138.6
	2025	83.4	80.9	104.7	121.5	129.1	138.3	141.3	139.0	133.1	129.7	104.4	89.4	83.4	139.0
	2026	83.6	81.2	105.0	121.8	129.4	138.7	141.7	139.5	133.5	130.1	104.7	89.6	83.6	139.5
	2027	83.9	81.4	105.3	122.2	129.8	139.1	142.1	139.9	133.9	130.5	105.0	89.9	83.9	139.9
Projected	2028	84.1	81.6	105.6	122.5	130.2	139.5	142.5	140.2	134.2	130.8	105.3	90.1	84.1	140.2
	2029	84.3	81.8	105.8	122.8	130.5	139.8	142.9	140.6	134.6	131.2	105.6	90.3	84.3	140.6
	2030	84.5	82.1	106.1	123.2	130.9	140.2	143.2	141.0	134.9	131.5	105.8	90.6	84.5	141.0
	2031	84.8	82.3	106.4	123.5	131.2	140.6	143.6	141.4	135.3	131.9	106.1	90.8	84.8	141.4
	2032	85.0	82.5	106.7	123.8	131.5	140.9	144.0	141.7	135.6	132.2	106.4	91.0	85.0	141.7
	2033	85.2	82.7	106.9	124.1	131.9	141.3	144.3	142.0	136.0	132.5	106.6	91.2	85.2	142.0
	2034	85.4	82.9	107.2	124.4	132.1	141.6	144.6	142.4	136.3	132.8	106.9	91.4	85.4	142.4
	2035	85.5	83.0	107.4	124.6	132.4	141.9	144.9	142.7	136.5	133.1	107.1	91.6	85.5	142.7
	2036	85.7	83.2	107.6	124.9	132.7	142.2	145.2	143.0	136.8	133.4	107.3	91.8	85.7	143.0
	2037	85.9	83.4	107.8	125.1	133.0	142.5	145.5	143.3	137.1	133.6	107.5	92.0	85.9	143.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.2%	98.0%	92.9%	96.3%	95.5%
	2017	58.9%	99.3%	96.6%	99.0%	97.7%	96.5%	94.5%	95.7%	98.9%	97.4%	90.6%	76.4%	96.6%	95.1%
Projected	2018	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2019	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2020	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2021	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2022	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2023	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2024	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2025	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2026	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2027	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%
	2008-2017	74.8%	72.7%	84.6%	93.7%	93.3%	96.1%	94.5%	94.4%	94.8%	96.7%	92.8%	77.5%	78.8%	94.8%
	2018-2027	74.8%	72.6%	84.6%	94.1%	93.3%	96.1%	94.9%	94.4%	94.8%	97.4%	90.6%	76.4%	67.4%	93.4%

FMPA 2018 Load Forecast - Base Case - Keys

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	Navy Sales (MWh)	% Chg	Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	342,058		24,084		14,203		323,864		3,905		82.9		69,585		4,217		739,724		34,806	4.5%	774,530	
	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	6.8%	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	5.4%	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	6.4%	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	5.3%	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	5.8%	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	5.6%	770,420	4.4%
	2015	358,733	0.9%	25,394	1.1%	14,127	-0.2%	316,208	-0.2%	4,250	1.0%	74.4	-1.2%	52,303	1.0%	2,832	-0.6%	730,075	0.4%	49,697	6.4%	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	5.9%	800,141	2.6%
	2017	361,482	-3.1%	25,643	0.4%	14,097	-3.4%	321,231	-0.8%	4,446	2.6%	72.3	-3.4%	51,352	-2.4%	2,545	-13.0%	736,610	-2.1%	27,720	3.6%	764,330	-4.5%
Projected	2018	339,453	-6.1%	25,413	-0.9%	13,357	-5.2%	297,089	-7.5%	4,459	0.3%	66.6	-7.8%	46,963	-8.5%	2,400	-5.7%	685,905	-6.9%	54,015	7.3%	739,920	-3.2%
	2019	351,499	3.5%	25,514	0.4%	13,777	3.1%	311,821	5.0%	4,489	0.7%	69.5	4.3%	48,061	2.3%	2,376	-1.0%	713,757	4.1%	43,743	5.8%	757,500	2.4%
	2020	354,536	0.9%	25,644	0.5%	13,826	0.4%	316,362	1.5%	4,519	0.7%	70.0	0.8%	47,633	-0.9%	2,352	-1.0%	720,884	1.0%	44,176	5.8%	765,060	1.0%
	2021	357,507	0.8%	25,776	0.5%	13,870	0.3%	320,339	1.3%	4,549	0.7%	70.4	0.6%	47,452	-0.4%	2,329	-1.0%	727,626	0.9%	44,569	5.8%	772,194	0.9%
	2022	359,166	0.5%	25,907	0.5%	13,863	0.0%	322,012	0.5%	4,579	0.7%	70.3	-0.1%	47,076	-0.8%	2,305	-1.0%	730,560	0.4%	44,752	5.8%	775,312	0.4%
	2023	361,064	0.5%	26,036	0.5%	13,868	0.0%	323,604	0.5%	4,609	0.6%	70.2	-0.1%	46,774	-0.6%	2,282	-1.0%	733,725	0.4%	44,946	5.8%	778,671	0.4%
	2024	362,225	0.3%	26,109	0.3%	13,873	0.0%	325,078	0.5%	4,633	0.5%	70.2	-0.1%	46,523	-0.5%	2,260	-1.0%	736,086	0.3%	45,091	5.8%	781,177	0.3%
	2025	363,399	0.3%	26,180	0.3%	13,881	0.1%	326,420	0.4%	4,657	0.5%	70.1	-0.1%	46,308	-0.5%	2,237	-1.0%	738,364	0.3%	45,230	5.8%	783,593	0.3%
	2026	364,563	0.3%	26,248	0.3%	13,889	0.1%	327,657	0.4%	4,680	0.5%	70.0	-0.1%	46,119	-0.4%	2,215	-1.0%	740,553	0.3%	45,364	5.8%	785,917	0.3%
	2027	365,727	0.3%	26,313	0.2%	13,899	0.1%	328,830	0.4%	4,703	0.5%	69.9	-0.1%	45,951	-0.4%	2,192	-1.0%	742,699	0.3%	45,495	5.8%	788,194	0.3%
	2028	366,804	0.3%	26,376	0.2%	13,907	0.1%	329,952	0.3%	4,725	0.5%	69.8	-0.1%	45,799	-0.3%	2,171	-1.0%	744,726	0.3%	45,619	5.8%	790,344	0.3%
	2029	367,859	0.3%	26,436	0.2%	13,915	0.1%	331,032	0.3%	4,747	0.5%	69.7	-0.1%	45,662	-0.3%	2,149	-1.0%	746,701	0.3%	45,739	5.8%	792,440	0.3%
	2030	368,917	0.3%	26,494	0.2%	13,924	0.1%	332,068	0.3%	4,768	0.4%	69.6	-0.1%	45,536	-0.3%	2,127	-1.0%	748,648	0.3%	45,859	5.8%	794,507	0.3%
	2031	370,108	0.3%	26,550	0.2%	13,940	0.1%	333,035	0.3%	4,788	0.4%	69.6	-0.1%	45,419	-0.3%	2,106	-1.0%	750,669	0.3%	45,982	5.8%	796,651	0.3%
	2032	371,298	0.3%	26,604	0.2%	13,956	0.1%	333,927	0.3%	4,808	0.4%	69.5	-0.1%	45,311	-0.2%	2,085	-1.0%	752,621	0.3%	46,101	5.8%	798,722	0.3%
	2033	372,421	0.3%	26,657	0.2%	13,971	0.1%	334,745	0.2%	4,827	0.4%	69.3	-0.2%	45,210	-0.2%	2,064	-1.0%	754,439	0.2%	46,212	5.8%	800,651	0.2%
	2034	373,492	0.3%	26,707	0.2%	13,985	0.1%	335,494	0.2%	4,846	0.4%	69.2	-0.2%	45,115	-0.2%	2,043	-1.0%	756,145	0.2%	46,316	5.8%	802,461	0.2%
	2035	374,471	0.3%	26,756	0.2%	13,996	0.1%	336,199	0.2%	4,864	0.4%	69.1	-0.2%	45,025	-0.2%	2,023	-1.0%	757,719	0.2%	46,412	5.8%	804,131	0.2%
	2036	375,449	0.3%	26,803	0.2%	14,008	0.1%	336,871	0.2%	4,881	0.4%	69.0	-0.2%	44,941	-0.2%	2,003	-1.0%	759,264	0.2%	46,507	5.8%	805,771	0.2%
	2037	376,506	0.3%	26,849	0.2%	14,023	0.1%	337,519	0.2%	4,898	0.3%	68.9	-0.2%	44,861	-0.2%	1,983	-1.0%	760,869	0.2%	46,605	5.8%	807,474	0.2%
CAGR	2008-2017		0.6%		0.7%		-0.1%		-0.1%		1.5%		-1.5%		-3.3%		-5.5%		0.0%		5.6%		-0.1%
	2018-2027		0.8%		0.4%		0.4%		1.1%		0.6%		0.5%		-0.2%		-1.0%		0.9%		5.9%		0.7%
	2028-2037		0.3%		0.2%		0.1%		0.3%		0.4%		-0.1%		-0.2%		-1.0%		0.2%		5.8%		0.2%

CAGR - Compound Average Growth Rate; data under Distribution Losses reflect averages.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	80.9	-	35.0	-	50.0	-	0.68	-	2,651	-	3,315	-	94,860	-
1998	80.8	-0.1%	35.0	0.2%	51.9	3.8%	0.71	4.4%	2,839	7.1%	3,614	9.0%	103,189	8.8%
1999	80.0	-1.1%	34.7	-0.9%	51.6	-0.4%	0.68	-4.9%	2,962	4.3%	3,636	0.6%	104,728	1.5%
2000	79.5	-0.6%	35.1	1.0%	53.1	2.8%	0.56	-17.8%	3,139	6.0%	3,908	7.5%	111,415	6.4%
2001	79.0	-0.5%	35.7	1.7%	53.9	1.5%	0.51	-9.0%	3,087	-1.6%	3,874	-0.9%	108,566	-2.6%
2002	78.8	-0.4%	35.6	-0.1%	53.7	-0.3%	0.48	-4.7%	3,213	4.1%	3,830	-1.1%	107,473	-1.0%
2003	78.5	-0.3%	35.9	0.8%	54.0	0.6%	0.43	-11.8%	3,359	4.6%	3,905	2.0%	108,705	1.1%
2004	77.6	-1.1%	35.3	-1.7%	53.9	-0.3%	0.43	0.2%	3,426	2.0%	4,281	9.6%	121,158	11.5%
2005	75.8	-2.3%	34.6	-2.1%	53.9	0.1%	0.41	-5.2%	3,533	3.1%	4,636	8.3%	134,101	10.7%
2006	73.8	-2.7%	33.6	-2.8%	54.7	1.4%	0.45	11.9%	3,663	3.7%	5,071	9.4%	150,943	12.6%
2007	72.9	-1.2%	33.4	-0.6%	55.1	0.7%	0.45	0.0%	3,734	1.9%	5,201	2.6%	155,813	3.2%
2008	72.7	-0.2%	33.2	-0.6%	54.9	-0.2%	0.42	-8.4%	3,569	-4.4%	4,950	-4.8%	149,223	-4.2%
2009	72.6	-0.1%	32.9	-0.9%	52.8	-3.8%	0.40	-3.9%	3,442	-3.5%	4,335	-12.4%	131,784	-11.7%
2010	73.2	0.8%	32.7	-0.6%	53.7	1.6%	0.37	-7.5%	3,475	0.9%	4,491	3.6%	137,419	4.3%
2011	74.1	1.2%	33.0	1.1%	54.6	1.6%	0.37	-0.5%	3,415	-1.7%	4,586	2.1%	138,849	1.0%
2012	74.8	1.0%	33.2	0.6%	56.2	3.0%	0.39	5.7%	3,497	2.4%	4,981	8.6%	150,000	8.0%
2013	76.3	1.9%	33.3	0.3%	58.0	3.1%	0.43	11.9%	3,520	0.7%	4,758	-4.5%	142,864	-4.8%
2014	76.9	0.8%	33.4	0.3%	60.2	3.8%	0.60	38.5%	3,623	2.9%	5,068	6.5%	151,779	6.2%
2015	77.5	0.8%	33.7	0.9%	62.8	4.3%	0.62	2.8%	3,890	7.4%	5,264	3.9%	156,265	3.0%
2016	78.1	0.7%	34.2	1.4%	63.9	1.8%	0.62	0.2%	3,987	2.5%	5,388	2.4%	157,785	1.0%
2017	78.4	0.5%	34.4	0.8%	65.0	1.7%	0.62	0.2%	4,077	2.3%	5,481	1.7%	159,191	0.9%
2018	78.8	0.5%	34.7	0.7%	65.8	1.2%	0.62	0.2%	4,162	2.1%	5,593	2.0%	161,267	1.3%
2019	79.1	0.4%	34.9	0.6%	66.6	1.3%	0.62	0.3%	4,245	2.0%	5,724	2.4%	164,075	1.7%
2020	79.5	0.4%	35.1	0.5%	67.5	1.3%	0.63	0.2%	4,330	2.0%	5,859	2.4%	167,074	1.8%
2021	79.8	0.4%	35.2	0.5%	68.3	1.2%	0.63	0.2%	4,416	2.0%	5,984	2.1%	169,830	1.6%
2022	80.1	0.4%	35.4	0.3%	69.2	1.3%	0.63	-0.2%	4,504	2.0%	6,104	2.0%	172,622	1.6%
2023	80.3	0.3%	35.5	0.3%	70.0	1.2%	0.62	-0.3%	4,592	1.9%	6,225	2.0%	175,588	1.7%
2024	80.6	0.3%	35.5	0.2%	70.8	1.1%	0.62	-0.4%	4,678	1.9%	6,342	1.9%	178,529	1.7%
2025	80.8	0.3%	35.6	0.1%	71.4	0.9%	0.62	-0.5%	4,762	1.8%	6,457	1.8%	181,530	1.7%
2026	81.1	0.3%	35.6	0.1%	72.0	0.9%	0.62	-0.4%	4,849	1.8%	6,578	1.9%	184,678	1.7%
2027	81.3	0.3%	35.7	0.1%	72.7	0.9%	0.61	-0.4%	4,936	1.8%	6,701	1.9%	187,929	1.8%
2028	81.5	0.3%	35.7	0.2%	73.2	0.8%	0.61	-0.5%	5,022	1.8%	6,822	1.8%	190,975	1.6%
2029	81.8	0.3%	35.8	0.2%	73.8	0.7%	0.61	-0.7%	5,108	1.7%	6,941	1.7%	193,991	1.6%
2030	82.0	0.3%	35.8	0.1%	74.3	0.7%	0.60	-0.6%	5,193	1.7%	7,052	1.6%	196,825	1.5%
2031	82.2	0.2%	35.9	0.1%	74.8	0.6%	0.60	-0.8%	5,277	1.6%	7,166	1.6%	199,844	1.5%
2032	82.3	0.2%	35.9	0.1%	75.2	0.6%	0.59	-0.9%	5,361	1.6%	7,274	1.5%	202,693	1.4%
2033	82.4	0.1%	35.9	0.0%	75.6	0.6%	0.59	-0.9%	5,445	1.6%	7,382	1.5%	205,685	1.5%
2034	82.5	0.1%	35.9	0.0%	76.0	0.6%	0.58	-0.9%	5,530	1.6%	7,492	1.5%	208,771	1.5%
2035	82.6	0.1%	35.9	0.0%	76.5	0.6%	0.58	-0.7%	5,616	1.6%	7,606	1.5%	211,983	1.5%
2036	82.7	0.1%	35.9	0.0%	76.9	0.6%	0.57	-0.8%	5,700	1.5%	7,719	1.5%	215,165	1.5%
2037	82.7	0.1%	35.9	0.0%	77.3	0.5%	0.57	-0.9%	5,786	1.5%	7,826	1.4%	218,101	1.4%
Average Percent Change														
2007-2017		0.7%		0.3%		1.7%		3.2%		0.9%		0.5%		0.2%
2018-2027		0.3%		0.3%		1.1%		-0.2%		1.9%		2.0%		1.7%
2028-2037		0.2%		0.1%		0.6%		-0.8%		1.6%		1.6%		1.5%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Key West Airport
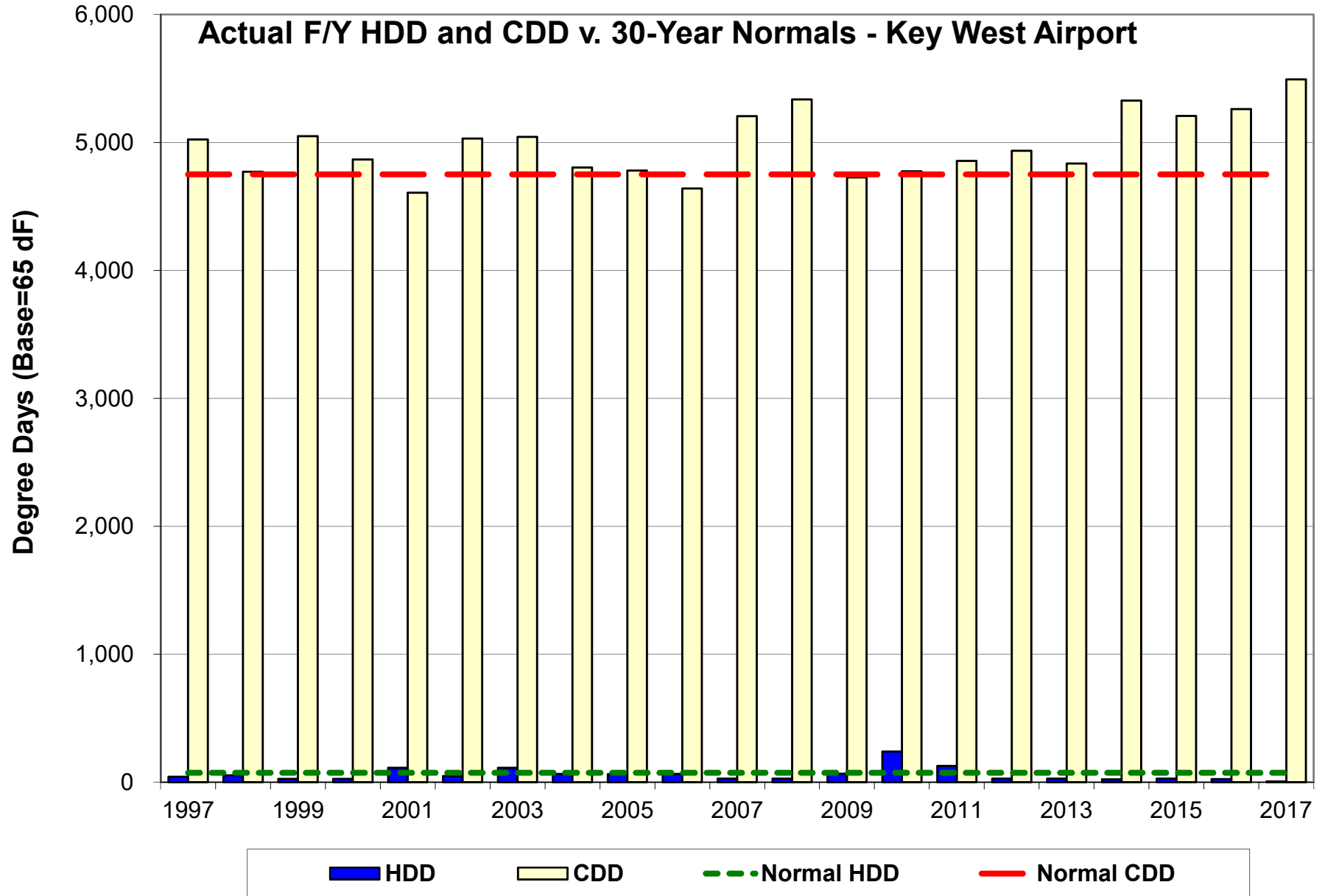
FMPA 2018 Load Forecast - Base Case
Kissimmee Utility Auth.
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

| | Year | Net Energy for Load (FY) | | | | | Coincident Peak Demand w/ARP Seasonal CP [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	1,448,820	-	1,462,574	-	0.9%	264.0	-	260.7	-	-1.2%	310.0	-	315.3		1.7%
	2009	1,390,670	-4.0%	1,383,530	-5.4%	-0.5%	275.7	4.4%	257.7	-1.2%	-6.5%	312.1	0.7%	315.3	0.0%	1.0%
	2010	1,430,141	2.8%	1,355,931	-2.0%	-5.2%	314.4	14.0%	283.7	10.1%	-9.7%	303.2	-2.9%	304.3	-3.5%	0.3%
	2011	1,410,602	-1.4%	1,359,555	0.3%	-3.6%	297.8	-5.3%	284.9	0.4%	-4.3%	316.0	4.2%	313.4	3.0%	-0.8%
	2012	1,384,319	-1.9%	1,397,402	2.8%	0.9%	245.8	-17.5%	250.2	-12.2%	1.8%	302.6	-4.2%	336.6	7.4%	11.3%
	2013	1,393,491	0.7%	1,398,824	0.1%	0.4%	242.8	-1.2%	229.9	-8.1%	-5.3%	306.8	1.4%	327.7	-2.6%	6.8%
	2014	1,442,316	3.5%	1,415,900	1.2%	-1.8%	241.4	-0.6%	288.3	25.4%	19.4%	326.9	6.5%	320.4	-2.2%	-2.0%
	2015	1,508,124	4.6%	1,453,358	2.6%	-3.6%	264.5	9.6%	236.4	-18.0%	-10.6%	330.5	1.1%	338.1	5.5%	2.3%
	2016	1,585,494	5.1%	1,521,893	4.7%	-4.0%	275.8	4.3%	264.5	11.9%	-4.1%	353.7	7.0%	350.5	3.6%	-0.9%
	2017	1,580,568	-0.3%	1,584,674	4.1%	0.3%	266.8	-3.2%	264.9	0.1%	-0.7%	345.7	-2.3%	378.5	8.0%	9.5%
Projected	2018	1,641,533	3.9%	1,641,533	3.6%		270.7	1.4%	270.7	2.2%		363.0	5.0%	363.0	-4.1%	
	2019			1,664,724	1.4%				273.2	0.9%				366.3	0.9%	
	2020			1,684,870	1.2%				276.9	1.4%				371.4	1.4%	
	2021			1,706,835	1.3%				280.7	1.4%				376.5	1.4%	
	2022			1,737,388	1.8%				285.9	1.8%				383.4	1.8%	
	2023			1,770,099	1.9%				291.3	1.9%				390.6	1.9%	
	2024			1,806,752	2.1%				297.3	2.1%				398.7	2.1%	
	2025			1,835,755	1.6%				302.0	1.6%				405.0	1.6%	
	2026			1,867,573	1.7%				307.2	1.7%				411.9	1.7%	
	2027			1,898,293	1.6%				312.2	1.6%				418.6	1.6%	
	2028			1,931,895	1.8%				317.7	1.8%				426.0	1.8%	
	2029			1,958,801	1.4%				322.1	1.4%				431.9	1.4%	
	2030			1,989,190	1.6%				327.0	1.5%				438.6	1.5%	
	2031			2,018,155	1.5%				331.7	1.4%				444.9	1.4%	
	2032			2,049,576	1.6%				336.9	1.6%				451.8	1.6%	
	2033			2,074,223	1.2%				340.9	1.2%				457.2	1.2%	
	2034			2,102,106	1.3%				345.5	1.3%				463.3	1.3%	
	2035			2,129,851	1.3%				350.0	1.3%				469.4	1.3%	
	2036			2,161,241	1.5%				355.2	1.5%				476.3	1.5%	
	2037			2,186,364	1.2%				359.3	1.2%				481.9	1.2%	
CAGR [3]	2008-2017		1.0%		0.9%			0.1%		0.2%			1.2%		2.1%	
	2018-2027				1.6%					1.6%					1.6%	
	2028-2037				1.4%					1.4%					1.4%	

[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

FMPA 2018 Load Forecast - Base Case
Kissimmee Utility Auth.
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	1,448,820	-	1,448,820	-	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%	1,585,494	5.1%	281.7	353.7	281.7	353.7	275.8	353.7	250.9	353.7
	2017	1,580,568	-0.3%	1,556,519	-1.8%	269.7	352.5	288.5	348.2	266.8	345.7	275.9	346.2
Projected	2018	1,641,533	3.9%	1,583,693	1.7%	304.9	368.2	293.8	354.7	270.7	363.0	281.0	352.6
	2019	1,664,724	1.4%	1,611,977	1.8%	307.7	371.5	299.0	360.9	273.2	366.3	285.9	358.8
	2020	1,684,870	1.2%	1,642,877	1.9%	311.9	376.7	304.7	367.8	276.9	371.4	291.4	365.7
	2021	1,706,835	1.3%	1,669,105	1.6%	316.2	381.8	309.6	373.8	280.7	376.5	296.1	371.5
	2022	1,737,388	1.8%	1,699,862	1.8%	322.0	388.8	315.4	380.7	285.9	383.4	301.6	378.5
	2023	1,770,099	1.9%	1,731,928	1.9%	328.1	396.2	321.3	387.9	291.3	390.6	307.3	385.6
	2024	1,806,752	2.1%	1,766,726	2.0%	334.8	404.3	327.7	395.6	297.3	398.7	313.4	393.3
	2025	1,835,755	1.6%	1,796,005	1.7%	340.1	410.7	333.2	402.2	302.0	405.0	318.6	399.8
	2026	1,867,573	1.7%	1,828,581	1.8%	346.0	417.8	339.2	409.5	307.2	411.9	324.4	407.0
	2027	1,898,293	1.6%	1,861,717	1.8%	351.6	424.6	345.4	416.9	312.2	418.6	330.3	414.4
	2028	1,931,895	1.8%	1,898,960	2.0%	357.8	432.1	352.2	425.2	317.7	426.0	336.8	422.6
	2029	1,958,801	1.4%	1,927,032	1.5%	362.8	438.1	357.3	431.3	322.1	431.9	341.7	428.7
	2030	1,989,190	1.6%	1,957,334	1.6%	368.4	444.8	362.9	438.1	327.0	438.6	347.0	435.5
	2031	2,018,155	1.5%	1,987,765	1.6%	373.6	451.2	368.5	444.8	331.7	444.9	352.4	442.2
	2032	2,049,576	1.6%	2,021,019	1.7%	379.4	458.2	374.6	452.2	336.9	451.8	358.2	449.5
	2033	2,074,223	1.2%	2,046,732	1.3%	384.0	463.7	379.3	457.9	340.9	457.2	362.7	455.2
	2034	2,102,106	1.3%	2,075,325	1.4%	389.1	469.9	384.6	464.3	345.5	463.3	367.8	461.6
	2035	2,129,851	1.3%	2,104,519	1.4%	394.2	476.1	390.1	470.9	350.0	469.4	373.0	468.1
	2036	2,161,241	1.5%	2,138,062	1.6%	400.1	483.1	396.3	478.4	355.2	476.3	378.9	475.5
	2037	2,186,364	1.2%			404.7	488.7			359.3	481.9		
CAGR [1]	Historical		1.0%		1.1%	0.2%	1.2%	0.8%	1.4%	-0.4%	1.3%	-1.3%	1.8%
	1st 10 Prj Yrs		1.6%		1.8%	1.6%	1.6%	1.8%	1.8%	1.6%	1.6%	1.8%	1.8%
	2nd 10 Prj Yrs		1.4%		1.5%	1.4%	1.4%	1.5%	1.5%	1.4%	1.4%	1.5%	1.5%

[1] CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	129,038	104,268	111,658	1,569,544	1,585,494
	2017	109,483	97,224	111,883	127,009	150,065	147,185	167,510	172,702	152,542	134,260	111,456	120,081	1,601,400	1,580,568
Projected	2018	123,555	107,705	116,923	119,910	145,235	158,080	173,872	175,568	154,888	139,486	114,155	122,567	1,651,945	1,641,533
	2019	125,924	109,423	118,455	121,228	146,595	159,346	175,099	176,659	155,786	140,316	114,820	123,404	1,667,056	1,664,724
	2020	127,026	113,236	119,568	122,414	148,200	161,313	177,442	179,134	157,996	142,306	116,336	125,034	1,690,006	1,684,870
	2021	128,866	112,052	121,199	124,072	150,311	163,762	180,255	182,049	160,594	144,666	118,218	127,104	1,713,147	1,706,835
	2022	131,132	114,040	123,319	126,255	153,025	166,802	183,659	185,516	163,652	147,413	120,415	129,461	1,744,690	1,737,388
	2023	133,611	116,185	125,596	128,574	155,866	169,948	187,162	189,074	166,792	150,237	122,679	131,902	1,777,627	1,770,099
	2024	136,190	121,394	127,964	130,980	158,807	173,195	190,755	192,696	169,954	153,048	124,902	134,264	1,814,150	1,806,752
	2025	138,657	120,537	130,195	133,237	161,556	176,223	194,109	196,088	172,938	155,726	127,048	136,576	1,842,891	1,835,755
	2026	141,092	122,645	132,430	135,508	164,330	179,282	197,497	199,508	175,931	158,395	129,169	138,838	1,874,623	1,867,573
	2027	143,458	124,681	134,579	137,686	166,983	182,204	200,730	202,774	178,798	160,961	131,218	141,037	1,905,109	1,898,293
Projected	2028	145,774	129,869	136,708	139,851	169,632	185,130	203,976	206,058	181,679	163,538	133,272	143,235	1,938,724	1,931,895
	2029	148,078	128,673	138,808	141,982	172,235	188,003	207,165	209,288	184,523	166,091	135,317	145,436	1,965,600	1,958,801
	2030	150,400	130,684	140,941	144,151	174,886	190,930	210,407	212,560	187,387	168,644	137,343	147,596	1,995,928	1,989,190
	2031	152,652	132,616	142,974	146,204	177,381	193,667	213,426	215,602	190,049	171,022	139,238	149,626	2,024,458	2,018,155
	2032	154,786	137,841	144,936	148,200	179,821	196,361	216,414	218,625	192,706	173,401	141,141	151,666	2,055,898	2,049,576
	2033	156,926	136,314	146,898	150,194	182,256	199,047	219,391	221,637	195,352	175,771	143,033	153,695	2,080,514	2,074,223
	2034	159,057	138,156	148,850	152,178	184,679	201,719	222,353	224,633	197,982	178,126	144,914	155,712	2,108,359	2,102,106
	2035	161,175	139,986	150,791	154,151	187,090	204,380	225,303	227,618	200,605	180,476	146,792	157,728	2,136,094	2,129,851
	2036	163,292	145,378	152,733	156,127	189,507	207,051	228,272	230,628	203,258	182,859	148,701	159,782	2,167,587	2,161,241
	2037	165,462	143,701	154,736	158,169	192,012	209,826	231,356	233,755	206,006	185,320	150,662	161,884	2,192,889	2,186,364

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	10.0%	11.1%	10.4%	9.6%	8.2%	6.6%	7.1%	100.0%
	2017	6.8%	6.1%	7.0%	7.9%	9.4%	9.2%	10.5%	10.8%	9.5%	8.4%	7.0%	7.5%	100.0%
Projected	2018	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%
	2019	7.6%	6.6%	7.1%	7.3%	8.8%	9.6%	10.5%	10.6%	9.3%	8.4%	6.9%	7.4%	100.0%
	2020	7.5%	6.7%	7.1%	7.2%	8.8%	9.5%	10.5%	10.6%	9.3%	8.4%	6.9%	7.4%	100.0%
	2021	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2022	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2023	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	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%	10.6%	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%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
	2027	7.5%	6.5%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%
Avg.	2008-2017	7.2%	6.5%	7.1%	7.7%	9.0%	9.7%	10.4%	10.5%	9.5%	8.3%	6.8%	7.3%	100.0%
	2018-2027	7.5%	6.6%	7.1%	7.2%	8.8%	9.6%	10.5%	10.6%	9.4%	8.4%	6.9%	7.4%	100.0%

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

FMPA 2018 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	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	298.5	232.0	241.6	281.7	353.7
	2017	224.9	227.4	269.7	319.1	340.0	332.9	351.9	352.5	341.0	305.8	243.2	230.5	269.7	352.5
Projected	2018	278.0	249.6	304.9	290.9	328.9	354.3	359.6	368.2	345.3	319.4	245.4	232.6	304.9	368.2
	2019	280.6	251.9	307.7	293.6	331.9	357.5	362.9	371.5	348.4	322.3	248.8	235.8	307.7	371.5
	2020	284.5	255.3	311.9	297.6	336.4	362.4	367.9	376.7	353.2	326.7	252.2	239.1	311.9	376.7
	2021	288.3	258.8	316.2	301.7	341.0	367.4	372.9	381.8	358.1	331.2	256.8	243.5	316.2	381.8
	2022	293.7	263.6	322.0	307.2	347.3	374.2	379.8	388.8	364.6	337.3	261.7	248.1	322.0	388.8
	2023	299.2	268.6	328.1	313.0	353.9	381.2	387.0	396.2	371.5	343.7	267.0	253.1	328.1	396.2
	2024	305.3	274.1	334.8	319.5	361.1	389.1	394.9	404.3	379.2	350.8	271.3	257.2	334.8	404.3
	2025	310.2	278.4	340.1	324.5	366.9	395.2	401.2	410.7	385.2	356.3	275.9	261.6	340.1	410.7
	2026	315.5	283.2	346.0	330.1	373.2	402.0	408.1	417.8	391.8	362.4	280.4	265.8	346.0	417.8
	2027	320.7	287.8	351.6	335.5	379.2	408.6	414.7	424.6	398.2	368.3	285.4	270.5	351.6	424.6
Projected	2028	326.3	292.9	357.8	341.4	385.9	415.8	422.0	432.1	405.2	374.8	289.3	274.3	357.8	432.1
	2029	330.8	297.0	362.8	346.1	391.3	421.5	427.9	438.1	410.8	380.0	293.8	278.5	362.8	438.1
	2030	335.9	301.6	368.4	351.5	397.3	428.0	434.5	444.8	417.2	385.9	298.0	282.5	368.4	444.8
	2031	340.7	305.9	373.6	356.5	403.0	434.2	440.7	451.2	423.1	391.4	302.6	286.9	373.6	451.2
	2032	346.0	310.6	379.4	362.0	409.3	440.9	447.6	458.2	429.7	397.5	306.2	290.3	379.4	458.2
	2033	350.2	314.3	384.0	366.4	414.2	446.2	452.9	463.7	434.8	402.3	310.3	294.2	384.0	463.7
	2034	354.9	318.6	389.1	371.3	419.7	452.1	459.0	469.9	440.7	407.6	314.4	298.1	389.1	469.9
	2035	359.5	322.7	394.2	376.1	425.2	458.1	465.0	476.1	446.4	413.0	319.1	302.5	394.2	476.1
	2036	364.8	327.5	400.1	381.7	431.5	464.9	471.9	483.1	453.0	419.1	322.8	306.0	400.1	483.1
	2037	369.1	331.3	404.7	386.1	436.5	470.3	477.4	488.7	458.3	424.0	327.0	310.0	404.7	488.7

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	59.8%	58.2%	58.2%	53.6%	66.4%	61.4%	68.7%	63.0%	64.8%	58.1%	60.4%	64.2%	63.6%	50.7%
	2017	65.4%	63.6%	55.8%	53.5%	65.7%	59.4%	66.1%	65.8%	62.1%	59.0%	61.6%	72.4%	67.8%	51.9%
Projected	2018	59.7%	64.2%	51.5%	55.4%	65.7%	60.0%	67.2%	64.1%	62.3%	58.7%	62.5%	73.2%	61.9%	51.2%
	2019	60.3%	64.6%	51.7%	55.5%	65.7%	59.9%	67.0%	63.9%	62.1%	58.5%	62.0%	72.7%	61.9%	51.2%
	2020	60.0%	63.7%	51.5%	55.3%	65.6%	59.8%	67.0%	63.9%	62.1%	58.5%	62.0%	72.6%	61.9%	51.2%
	2021	60.1%	64.4%	51.5%	55.3%	65.6%	59.9%	67.1%	64.1%	62.3%	58.7%	61.9%	72.5%	61.9%	51.2%
	2022	60.0%	64.4%	51.5%	55.2%	65.6%	59.9%	67.2%	64.1%	62.3%	58.7%	61.9%	72.5%	61.9%	51.2%
	2023	60.0%	64.4%	51.5%	55.2%	65.5%	59.9%	67.2%	64.1%	62.4%	58.8%	61.7%	72.4%	61.9%	51.2%
	2024	59.9%	63.6%	51.4%	55.1%	65.4%	59.8%	67.1%	64.1%	62.3%	58.6%	61.9%	72.5%	61.9%	51.2%
	2025	60.1%	64.4%	51.4%	55.2%	65.5%	59.9%	67.2%	64.2%	62.4%	58.7%	61.9%	72.5%	61.9%	51.2%
	2026	60.1%	64.4%	51.4%	55.2%	65.5%	59.9%	67.2%	64.2%	62.4%	58.7%	61.9%	72.5%	61.9%	51.2%
	2027	60.1%	64.5%	51.4%	55.2%	65.5%	59.9%	67.2%	64.2%	62.4%	58.7%	61.8%	72.4%	61.9%	51.2%
Avg.	2008-2017	58.2%	60.1%	60.9%	58.3%	67.3%	60.4%	66.9%	64.0%	63.5%	58.6%	59.3%	67.6%	61.9%	51.3%
	2018-2027	60.0%	64.3%	51.5%	55.3%	65.6%	59.9%	67.1%	64.1%	62.3%	58.7%	62.0%	72.6%	61.9%	51.2%

FMPA 2018 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	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	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	306.4	330.5	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	298.3	224.5	229.7	275.8	353.7
	2017	215.2	227.4	266.8	319.1	340.0	331.9	339.8	345.7	331.9	301.0	231.0	222.7	266.8	345.7
Projected	2018	270.7	246.7	295.3	287.1	324.0	351.1	351.4	363.0	333.3	314.3	233.1	224.7	270.7	363.0
	2019	273.2	249.0	298.0	289.7	326.9	354.3	354.7	366.3	336.3	317.2	236.3	227.8	273.2	366.3
	2020	276.9	252.4	302.1	293.7	331.4	359.2	359.5	371.4	340.9	321.5	239.6	230.9	276.9	371.4
	2021	280.7	255.8	306.2	297.8	336.0	364.1	364.5	376.5	345.6	326.0	244.0	235.2	280.7	376.5
	2022	285.9	260.5	311.9	303.2	342.2	370.8	371.2	383.4	352.0	332.0	248.6	239.6	285.9	383.4
	2023	291.3	265.5	317.8	309.0	348.6	377.8	378.2	390.6	358.6	338.2	253.7	244.6	291.3	390.6
	2024	297.3	270.9	324.3	315.3	355.8	385.6	386.0	398.7	366.0	345.2	257.7	248.4	297.3	398.7
	2025	302.0	275.2	329.4	320.3	361.4	391.7	392.1	405.0	371.8	350.6	262.2	252.7	302.0	405.0
	2026	307.2	280.0	335.1	325.8	367.6	398.5	398.8	411.9	378.2	356.7	266.4	256.8	307.2	411.9
	2027	312.2	284.5	340.6	331.1	373.6	404.9	405.3	418.6	384.3	362.5	271.1	261.4	312.2	418.6
Projected	2028	317.7	289.5	346.6	337.0	380.2	412.1	412.5	426.0	391.1	368.9	274.9	265.0	317.7	426.0
	2029	322.1	293.5	351.4	341.6	385.5	417.8	418.2	431.9	396.5	374.0	279.1	269.1	322.1	431.9
	2030	327.0	298.1	356.8	346.9	391.4	424.2	424.6	438.6	402.7	379.8	283.1	272.9	327.0	438.6
	2031	331.7	302.3	361.9	351.9	397.0	430.3	430.7	444.9	408.4	385.2	287.5	277.1	331.7	444.9
	2032	336.9	307.0	367.5	357.3	403.2	437.0	437.4	451.8	414.8	391.2	290.9	280.5	336.9	451.8
	2033	340.9	310.7	371.9	361.6	408.0	442.2	442.6	457.2	419.7	395.8	294.8	284.2	340.9	457.2
	2034	345.5	314.9	376.9	366.4	413.5	448.1	448.6	463.3	425.3	401.1	298.7	288.0	345.5	463.3
	2035	350.0	319.0	381.9	371.3	418.9	454.0	454.5	469.4	430.9	406.4	303.1	292.2	350.0	469.4
	2036	355.2	323.7	387.5	376.7	425.1	460.7	461.2	476.3	437.3	412.4	306.7	295.6	355.2	476.3
	2037	359.3	327.5	392.0	381.1	430.0	466.1	466.5	481.9	442.4	417.2	310.7	299.5	359.3	481.9

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.9%	96.8%	95.1%	97.9%	100.0%
	2017	95.7%	100.0%	98.9%	100.0%	100.0%	99.7%	96.6%	98.0%	97.3%	98.4%	95.0%	96.6%	98.9%	98.0%
Projected	2018	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2019	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2020	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2021	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2022	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2023	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2024	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2025	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2026	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2027	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%
	2008-2017	97.3%	99.0%	96.9%	98.5%	98.5%	99.1%	97.4%	98.4%	96.5%	98.7%	95.8%	96.2%	99.2%	98.6%
	2018-2027	97.3%	98.8%	96.9%	98.7%	98.5%	99.1%	97.7%	98.6%	96.5%	98.4%	95.0%	96.6%	88.8%	98.6%

FMPA 2018 Load Forecast - Base Case - KUA

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	GS Non-Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	GS Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Lights Sales (MWh)	% Chg	City Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	706,732		52,512		13,459		192,993		8,996		21.5		457,131		859		532		13,405		3,023		1,373,284		75,536	5.2%	1,448,820	
	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	3.9%	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	4.1%	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	3.6%	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	4.1%	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	4.0%	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	4.3%	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	4.3%	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	4.3%	1,585,494	5.1%
	2017	827,838	-0.7%	61,988	3.0%	13,355	-3.6%	185,698	-1.8%	8,920	0.4%	20.8	-2.2%	474,636	0.3%	862	2.3%	551	-1.9%	18,096	2.4%	3,441	-0.2%	1,509,708	-0.5%	70,861	4.5%	1,580,568	-0.3%
Projected	2018	873,996	5.6%	63,900	3.1%	13,678	2.4%	188,114	1.3%	9,003	0.9%	20.9	0.4%	492,235	3.7%	879	2.0%	560	1.7%	18,000	-0.5%	3,567	3.7%	1,575,912	4.4%	65,621	4.0%	1,641,533	3.9%
	2019	890,177	1.9%	65,328	2.2%	13,626	-0.4%	188,384	0.1%	9,084	0.9%	20.7	-0.8%	497,048	1.0%	897	2.0%	554	-1.0%	18,000	0.0%	3,628	1.7%	1,597,239	1.4%	67,486	4.1%	1,664,724	1.4%
	2020	910,900	2.3%	66,777	2.2%	13,641	0.1%	186,015	-1.3%	9,152	0.7%	20.3	-2.0%	495,222	-0.4%	910	1.5%	544	-1.9%	18,000	0.0%	3,679	1.4%	1,613,817	1.0%	71,053	4.2%	1,684,870	1.2%
	2021	935,531	2.7%	68,260	2.2%	13,705	0.5%	184,642	-0.7%	9,221	0.7%	20.0	-1.5%	495,663	0.1%	924	1.5%	537	-1.4%	18,000	0.0%	3,730	1.4%	1,637,565	1.5%	69,270	4.1%	1,706,835	1.3%
	2022	958,521	2.5%	69,759	2.2%	13,740	0.3%	185,361	0.4%	9,297	0.8%	19.9	-0.4%	501,189	1.1%	937	1.5%	535	-0.3%	18,000	0.0%	3,779	1.3%	1,666,850	1.8%	70,538	4.1%	1,737,388	1.8%
	2023	981,060	2.4%	71,251	2.1%	13,769	0.2%	186,783	0.8%	9,376	0.9%	19.9	-0.1%	508,577	1.5%	951	1.5%	535	0.0%	18,000	0.0%	3,826	1.3%	1,698,246	1.9%	71,853	4.1%	1,770,099	1.9%
	2024	1,004,585	2.4%	72,747	2.1%	13,809	0.3%	188,187	0.8%	9,456	0.8%	19.9	-0.1%	515,918	1.4%	965	1.5%	535	0.0%	18,000	0.0%	3,873	1.2%	1,730,563	1.9%	76,189	4.2%	1,806,752	2.1%
	2025	1,026,623	2.2%	74,246	2.1%	13,827	0.1%	189,564	0.7%	9,534	0.8%	19.9	-0.1%	523,168	1.4%	979	1.4%	534	0.0%	18,000	0.0%	3,920	1.2%	1,761,276	1.8%	74,479	4.1%	1,835,755	1.6%
	2026	1,048,558	2.1%	75,737	2.0%	13,845	0.1%	190,922	0.7%	9,611	0.8%	19.9	-0.1%	530,364	1.4%	992	1.4%	534	0.0%	18,000	0.0%	3,965	1.2%	1,791,810	1.7%	75,763	4.1%	1,867,573	1.7%
	2027	1,069,630	2.0%	77,201	1.9%	13,855	0.1%	192,245	0.7%	9,687	0.8%	19.8	-0.1%	537,423	1.3%	1,006	1.3%	534	0.0%	18,000	0.0%	4,009	1.1%	1,821,307	1.6%	76,985	4.1%	1,898,293	1.6%
	2028	1,090,572	2.0%	78,661	1.9%	13,864	0.1%	193,535	0.7%	9,762	0.8%	19.8	-0.1%	544,343	1.3%	1,019	1.3%	534	0.0%	18,000	0.0%	4,053	1.1%	1,850,503	1.6%	81,392	4.2%	1,931,895	1.8%
	2029	1,111,289	1.9%	80,129	1.9%	13,869	0.0%	194,805	0.7%	9,835	0.7%	19.8	-0.1%	551,199	1.3%	1,032	1.3%	534	0.0%	18,000	0.0%	4,096	1.1%	1,879,389	1.6%	79,412	4.1%	1,958,801	1.4%
	2030	1,132,339	1.9%	81,576	1.8%	13,881	0.1%	196,060	0.6%	9,906	0.7%	19.8	-0.1%	558,014	1.2%	1,045	1.2%	534	0.0%	18,000	0.0%	4,138	1.0%	1,908,551	1.6%	80,639	4.1%	1,989,190	1.6%
	2031	1,152,193	1.8%	82,990	1.7%	13,883	0.0%	197,286	0.6%	9,976	0.7%	19.8	-0.1%	564,711	1.2%	1,057	1.2%	534	0.0%	18,000	0.0%	4,179	1.0%	1,936,368	1.5%	81,786	4.1%	2,018,155	1.5%
	2032	1,171,286	1.7%	84,356	1.6%	13,885	0.0%	198,485	0.6%	10,042	0.7%	19.8	0.0%	571,296	1.2%	1,070	1.2%	534	0.0%	18,000	0.0%	4,218	0.9%	1,963,285	1.4%	86,291	4.2%	2,049,576	1.6%
	2033	1,190,379	1.6%	85,718	1.6%	13,887	0.0%	199,676	0.6%	10,106	0.6%	19.8	0.0%	577,873	1.2%	1,082	1.2%	534	0.0%	18,000	0.0%	4,257	0.9%	1,990,184	1.4%	84,039	4.1%	2,074,223	1.2%
	2034	1,209,441	1.6%	87,084	1.6%	13,888	0.0%	200,845	0.6%	10,169	0.6%	19.8	0.0%	584,367	1.1%	1,094	1.1%	534	0.0%	18,000	0.0%	4,295	0.9%	2,016,948	1.3%	85,158	4.1%	2,102,106	1.3%
	2035	1,228,401	1.6%	88,451	1.6%	13,888	0.0%	202,005	0.6%	10,233	0.6%	19.7	-0.1%	590,840	1.1%	1,107	1.1%	534	0.0%	18,000	0.0%	4,334	0.9%	2,043,580	1.3%	86,272	4.1%	2,129,851	1.3%
	2036	1,247,427	1.5%	89,818	1.5%	13,888	0.0%	203,161	0.6%	10,297	0.6%	19.7	-0.1%	597,330	1.1%	1,119	1.1%	534	0.0%	18,000	0.0%	4,372	0.9%	2,070,290	1.3%	90,951	4.2%	2,161,241	1.5%
	2037	1,267,316	1.6%	91,197	1.5%	13,896	0.1%	204,305	0.6%	10,361	0.6%	19.7	-0.1%	603,782	1.1%	1,131	1.1%	534	0.0%	18,000	0.0%	4,410	0.9%	2,097,814	1.3%	88,550	4.1%	2,186,364	1.2%
CAGR	2008-2017		1.8%		1.9%		-0.1%		-0.4%		-0.1%		-0.3%		0.4%		0.0%		0.4%		3.4%		1.4%		1.1%		4.2%		1.0%
	2018-2027		2.3%		2.1%		0.1%		0.2%		0.8%		-0.6%		1.0%		1.5%		-0.5%		0.0%		1.3%		1.6%		4.1%		1.6%
	2028-2037		1.7%		1.7%		0.0%		0.6%		0.7%		-0.1%		1.2%		1.2%		0.0%		0.0%		0.9%		1.4%		4.1%		1.4%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	153.1	-	54.2	-	60.7	-	1.50	-	2,891	-	3,478	-	64,130	-
1998	160.1	4.6%	56.8	4.7%	63.3	4.3%	1.55	3.3%	3,099	7.2%	3,782	8.7%	66,623	3.9%
1999	167.0	4.3%	59.1	4.1%	65.5	3.6%	1.60	3.8%	3,292	6.2%	4,006	5.9%	67,767	1.7%
2000	174.1	4.3%	61.6	4.2%	68.4	4.4%	1.61	0.5%	3,418	3.8%	4,240	5.8%	68,852	1.6%
2001	181.7	4.3%	65.5	6.3%	74.5	8.9%	1.77	9.6%	4,195	22.7%	4,555	7.4%	69,565	1.0%
2002	190.8	5.0%	68.6	4.7%	78.0	4.7%	1.84	4.4%	4,534	8.1%	4,889	7.3%	71,299	2.5%
2003	202.7	6.2%	72.8	6.1%	82.7	6.0%	1.74	-5.7%	4,802	5.9%	5,191	6.2%	71,332	0.0%
2004	216.5	6.8%	76.6	5.3%	88.6	7.1%	1.73	-0.7%	5,215	8.6%	5,613	8.1%	73,248	2.7%
2005	228.0	5.3%	80.0	4.5%	96.8	9.3%	1.89	9.4%	5,763	10.5%	6,170	9.9%	77,088	5.2%
2006	242.1	6.2%	84.3	5.3%	101.0	4.3%	1.91	1.1%	5,877	2.0%	6,450	4.5%	76,521	-0.7%
2007	253.7	4.8%	88.1	4.5%	104.4	3.4%	2.19	14.9%	5,902	0.4%	6,658	3.2%	75,593	-1.2%
2008	261.7	3.2%	89.9	2.1%	103.8	-0.5%	1.86	-15.4%	5,368	-9.1%	6,583	-1.1%	73,199	-3.2%
2009	265.3	1.3%	89.9	0.0%	100.3	-3.4%	1.79	-3.8%	5,532	3.1%	6,654	1.1%	73,998	1.1%
2010	269.8	1.7%	91.0	1.2%	101.4	1.1%	1.54	-13.8%	5,728	3.5%	6,986	5.0%	76,800	3.8%
2011	278.9	3.4%	94.4	3.7%	107.4	5.9%	1.49	-3.5%	6,050	5.6%	7,462	6.8%	79,075	3.0%
2012	289.4	3.8%	96.4	2.1%	110.5	2.8%	1.61	8.5%	6,036	-0.2%	7,505	0.6%	77,877	-1.5%
2013	300.1	3.7%	98.6	2.3%	113.4	2.6%	1.75	8.3%	6,256	3.6%	7,740	3.1%	78,512	0.8%
2014	312.0	3.9%	100.4	1.8%	121.4	7.1%	1.81	3.3%	6,457	3.2%	8,120	4.9%	80,917	3.1%
2015	324.0	3.9%	102.8	2.4%	126.4	4.1%	1.81	0.1%	7,020	8.7%	8,848	9.0%	86,085	6.4%
2016	333.1	2.8%	106.1	3.3%	130.4	3.2%	1.83	1.4%	7,470	6.4%	9,369	5.9%	88,271	2.5%
2017	343.3	3.1%	109.6	3.2%	134.5	3.2%	1.84	0.7%	7,763	3.9%	9,794	4.5%	89,386	1.3%
2018	353.6	3.0%	112.9	3.1%	138.6	3.0%	1.85	0.5%	8,062	3.8%	10,237	4.5%	90,646	1.4%
2019	364.1	3.0%	116.3	3.0%	142.6	2.9%	1.86	0.5%	8,361	3.7%	10,700	4.5%	92,028	1.5%
2020	374.7	2.9%	119.6	2.9%	146.6	2.9%	1.87	0.6%	8,669	3.7%	11,184	4.5%	93,522	1.6%
2021	385.6	2.9%	122.9	2.8%	150.8	2.8%	1.88	0.4%	8,982	3.6%	11,673	4.4%	94,967	1.5%
2022	396.7	2.9%	126.2	2.7%	155.2	2.9%	1.89	0.4%	9,314	3.7%	12,191	4.4%	96,611	1.7%
2023	408.1	2.9%	129.4	2.6%	159.7	2.9%	1.89	0.3%	9,655	3.7%	12,723	4.4%	98,294	1.7%
2024	419.7	2.8%	132.7	2.5%	164.1	2.8%	1.90	0.3%	10,000	3.6%	13,262	4.2%	99,964	1.7%
2025	431.5	2.8%	135.9	2.4%	168.6	2.7%	1.91	0.2%	10,351	3.5%	13,820	4.2%	101,691	1.7%
2026	443.4	2.7%	139.1	2.3%	173.1	2.7%	1.91	0.2%	10,706	3.4%	14,385	4.1%	103,429	1.7%
2027	455.2	2.7%	142.2	2.3%	177.5	2.6%	1.91	0.2%	11,064	3.3%	14,953	3.9%	105,142	1.7%
2028	467.1	2.6%	145.4	2.2%	181.9	2.5%	1.91	0.0%	11,430	3.3%	15,527	3.8%	106,791	1.6%
2029	479.1	2.6%	148.5	2.2%	186.4	2.5%	1.91	0.0%	11,803	3.3%	16,109	3.7%	108,446	1.6%
2030	491.2	2.5%	151.7	2.1%	190.8	2.4%	1.91	0.0%	12,180	3.2%	16,698	3.7%	110,104	1.5%
2031	502.9	2.4%	154.6	2.0%	195.2	2.3%	1.91	-0.1%	12,555	3.1%	17,250	3.3%	111,568	1.3%
2032	514.7	2.4%	157.6	1.9%	199.7	2.3%	1.91	-0.1%	12,936	3.0%	17,815	3.3%	113,051	1.3%
2033	526.7	2.3%	160.6	1.9%	204.1	2.2%	1.91	-0.1%	13,324	3.0%	18,390	3.2%	114,538	1.3%
2034	538.9	2.3%	163.6	1.9%	208.6	2.2%	1.90	-0.1%	13,722	3.0%	18,983	3.2%	116,068	1.3%
2035	551.2	2.3%	166.6	1.8%	213.1	2.2%	1.90	-0.1%	14,130	3.0%	19,605	3.3%	117,707	1.4%
2036	563.4	2.2%	169.6	1.8%	217.7	2.1%	1.90	-0.1%	14,543	2.9%	20,226	3.2%	119,292	1.3%
2037	575.8	2.2%	172.7	1.8%	222.2	2.1%	1.90	-0.1%	14,965	2.9%	20,837	3.0%	120,684	1.2%
Average Percent Change														
2007-2017		3.1%		2.2%		2.6%		-1.7%		2.8%		3.9%		1.7%
2018-2027		2.8%		2.6%		2.8%		0.4%		3.6%		4.3%		1.7%
2028-2037		2.4%		2.0%		2.3%		-0.1%		3.1%		3.4%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Orlando Airport

FMPA 2018 Load Forecast - Base Case
Leesburg
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 [1,2] | | | | | | | | | | |
| | | | | | | | 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	2008	519,190	-	525,171	-	1.2%	103.2	-	107.1	-	3.8%	109.2	-	110.6		1.3%
	2009	522,907	0.7%	520,597	-0.9%	-0.4%	116.5	12.9%	110.3	3.0%	-5.3%	114.2	4.6%	111.8	1.1%	-2.1%
	2010	522,333	-0.1%	495,176	-4.9%	-5.2%	108.3	-7.0%	96.8	-12.3%	-10.6%	98.8	-13.5%	104.1	-6.9%	5.4%
	2011	499,570	-4.4%	481,628	-2.7%	-3.6%	105.3	-2.8%	105.3	8.8%	0.0%	100.0	1.2%	99.0	-4.9%	-1.0%
	2012	469,153	-6.1%	474,690	-1.4%	1.2%	90.6	-14.0%	93.4	-11.3%	3.2%	89.7	-10.3%	106.5	7.6%	18.8%
	2013	468,646	-0.1%	471,047	-0.8%	0.5%	80.8	-10.8%	87.9	-6.0%	8.7%	90.5	0.9%	94.9	-10.9%	4.9%
	2014	465,764	-0.6%	458,725	-2.6%	-1.5%	89.4	10.5%	101.5	15.5%	13.6%	95.8	5.9%	94.3	-0.7%	-1.6%
	2015	478,866	2.8%	463,994	1.1%	-3.1%	100.1	12.0%	109.6	8.0%	9.5%	105.6	10.2%	106.1	12.5%	0.4%
	2016	492,572	2.9%	475,041	2.4%	-3.6%	84.7	-15.4%	97.0	-11.5%	14.6%	110.9	5.0%	106.4	0.3%	-4.1%
	2017	484,786	-1.6%	488,508	2.8%	0.8%	78.8	-6.9%	99.2	2.2%	25.9%	108.4	-2.3%	116.3	9.3%	7.3%
Projected	2018	510,437	5.3%	510,437	4.5%		103.2	31.0%	103.2	4.1%		109.7	1.2%	109.7	-5.7%	
	2019			522,587	2.4%				105.3	2.0%				111.8	2.0%	
	2020			528,972	1.2%				106.5	1.2%				113.1	1.2%	
	2021			532,789	0.7%				107.2	0.7%				113.9	0.7%	
	2022			537,804	0.9%				108.3	1.0%				115.0	1.0%	
	2023			543,312	1.0%				109.4	1.0%				116.2	1.0%	
	2024			550,179	1.3%				110.8	1.3%				117.7	1.3%	
	2025			554,467	0.8%				111.6	0.8%				118.6	0.8%	
	2026			559,927	1.0%				112.7	1.0%				119.7	1.0%	
	2027			565,158	0.9%				113.8	0.9%				120.8	0.9%	
	2028			571,594	1.1%				115.1	1.1%				122.2	1.1%	
	2029			575,277	0.6%				115.8	0.6%				123.0	0.6%	
	2030			580,167	0.8%				116.8	0.8%				124.0	0.8%	
	2031			584,850	0.8%				117.7	0.8%				125.0	0.8%	
	2032			590,599	1.0%				118.8	1.0%				126.2	1.0%	
	2033			593,482	0.5%				119.4	0.5%				126.8	0.5%	
	2034			597,668	0.7%				120.2	0.7%				127.7	0.7%	
	2035			601,869	0.7%				121.1	0.7%				128.6	0.7%	
	2036			607,502	0.9%				122.2	0.9%				129.8	0.9%	
	2037			610,244	0.5%				122.8	0.4%				130.4	0.4%	
CAGR [3]	2008-2017		-0.8%		-0.8%			-2.9%		-0.8%			-0.1%		0.6%	
	2018-2027				1.1%					1.1%					1.1%	
	2028-2037				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 2018 Load Forecast - Base Case
Leesburg
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	519,190	-	519,190	-	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%	492,572	2.9%	91.8	110.9	91.8	110.9	84.7	110.9	90.9	110.9
	2017	484,786	-1.6%	488,911	-0.7%	84.8	109.3	99.8	107.4	78.8	108.4	96.6	105.2
Projected	2018	510,437	5.3%	499,005	2.1%	104.0	112.6	102.0	109.8	103.2	109.7	98.7	107.4
	2019	522,587	2.4%	507,726	1.7%	106.1	114.8	103.4	111.4	105.3	111.8	100.1	109.0
	2020	528,972	1.2%	514,063	1.2%	107.3	116.2	104.7	112.8	106.5	113.1	101.4	110.4
	2021	532,789	0.7%	518,304	0.8%	108.1	117.0	105.6	113.7	107.2	113.9	102.2	111.3
	2022	537,804	0.9%	523,608	1.0%	109.1	118.1	106.7	114.9	108.3	115.0	103.3	112.4
	2023	543,312	1.0%	528,862	1.0%	110.2	119.3	107.7	116.0	109.4	116.2	104.3	113.5
	2024	550,179	1.3%	535,259	1.2%	111.6	120.8	109.0	117.4	110.8	117.7	105.5	114.9
	2025	554,467	0.8%	538,960	0.7%	112.5	121.8	109.8	118.2	111.6	118.6	106.3	115.7
	2026	559,927	1.0%	543,830	0.9%	113.6	122.9	110.8	119.3	112.7	119.7	107.2	116.7
	2027	565,158	0.9%	548,688	0.9%	114.6	124.1	111.8	120.3	113.8	120.8	108.2	117.8
	2028	571,594	1.1%	554,708	1.1%	115.9	125.5	113.0	121.6	115.1	122.2	109.4	119.0
	2029	575,277	0.6%	558,041	0.6%	116.7	126.3	113.6	122.4	115.8	123.0	110.0	119.8
	2030	580,167	0.8%	562,584	0.8%	117.6	127.4	114.6	123.4	116.8	124.0	110.9	120.7
	2031	584,850	0.8%	566,887	0.8%	118.6	128.4	115.4	124.3	117.7	125.0	111.7	121.6
	2032	590,599	1.0%	572,240	0.9%	119.7	129.6	116.5	125.4	118.8	126.2	112.8	122.8
	2033	593,482	0.5%	574,830	0.5%	120.3	130.2	117.0	126.0	119.4	126.8	113.3	123.3
	2034	597,668	0.7%	578,708	0.7%	121.2	131.2	117.8	126.9	120.2	127.7	114.0	124.1
	2035	601,869	0.7%	582,621	0.7%	122.0	132.1	118.6	127.7	121.1	128.6	114.8	125.0
	2036	607,502	0.9%	588,018	0.9%	123.2	133.3	119.7	128.9	122.2	129.8	115.9	126.1
	2037	610,244	0.5%			123.7	133.9			122.8	130.4		
CAGR [1]	Historical		-0.8%		-0.7%	-2.2%	-0.4%	-1.4%	-0.2%	-4.8%	-0.7%	-3.5%	-0.4%
	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%		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 2018 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	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	39,337	32,309	34,430	490,088	492,572
	2017	35,141	30,207	35,152	38,802	45,152	45,429	50,308	52,280	46,239	41,037	34,968	38,210	492,925	484,786
Projected	2018	41,510	34,754	36,101	37,695	45,446	49,014	51,187	52,968	47,547	42,309	35,993	39,431	513,955	510,437
	2019	42,753	35,732	37,048	38,603	46,463	50,040	52,154	53,842	48,219	42,867	36,438	39,884	524,043	522,587
	2020	43,204	37,305	37,399	38,957	46,872	50,467	52,599	54,318	48,662	43,270	36,788	40,272	530,112	528,972
	2021	43,628	36,446	37,771	39,341	47,331	50,948	53,087	54,810	49,095	43,659	37,122	40,640	533,879	532,789
	2022	44,024	36,781	38,126	39,716	47,786	51,437	53,598	55,341	49,575	44,091	37,497	41,052	539,024	537,804
	2023	44,465	37,154	38,519	40,130	48,286	51,971	54,150	55,911	50,087	44,549	37,889	41,480	544,591	543,312
	2024	44,919	38,805	38,918	40,549	48,788	52,506	54,702	56,478	50,596	45,003	38,278	41,903	551,444	550,179
	2025	45,369	37,914	39,314	40,964	49,288	53,037	55,251	57,043	51,103	45,456	38,667	42,328	555,734	554,467
	2026	45,817	38,289	39,705	41,373	49,777	53,555	55,783	57,588	51,589	45,888	39,036	42,729	561,130	559,927
	2027	46,242	38,646	40,079	41,764	50,246	54,054	56,296	58,115	52,062	46,310	39,398	43,123	566,335	565,158
Projected	2028	46,659	40,314	40,445	42,147	50,706	54,541	56,798	58,631	52,524	46,722	39,751	43,507	572,744	571,594
	2029	47,065	39,337	40,802	42,522	51,155	55,018	57,289	59,135	52,975	47,125	40,097	43,884	576,403	575,277
	2030	47,463	39,671	41,152	42,888	51,594	55,484	57,768	59,627	53,416	47,518	40,434	44,250	581,264	580,167
	2031	47,849	39,994	41,488	43,239	52,013	55,926	58,221	60,090	53,828	47,884	40,746	44,589	585,867	584,850
	2032	48,206	41,656	41,802	43,567	52,407	56,342	58,649	60,529	54,221	48,235	41,047	44,916	591,576	590,599
	2033	48,551	40,583	42,106	43,886	52,788	56,747	59,065	60,956	54,604	48,577	41,341	45,236	594,439	593,482
	2034	48,889	40,867	42,405	44,200	53,166	57,147	59,477	61,379	54,984	48,917	41,634	45,556	598,621	597,668
	2035	49,226	41,152	42,705	44,516	53,546	57,550	59,892	61,807	55,369	49,262	41,932	45,881	602,838	601,869
	2036	49,569	42,842	43,008	44,834	53,927	57,954	60,307	62,234	55,752	49,605	42,226	46,201	608,459	607,502
	2037	49,906	41,724	43,305	45,145	54,300	58,349	60,712	62,649	56,123	49,936	42,510	46,509	611,167	610,244

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.0%	7.3%	8.7%	10.0%	10.9%	10.5%	9.5%	8.0%	6.6%	7.0%	100.0%
	2017	7.1%	6.1%	7.1%	7.9%	9.2%	9.2%	10.2%	10.6%	9.4%	8.3%	7.1%	7.8%	100.0%
Projected	2018	8.1%	6.8%	7.0%	7.3%	8.8%	9.5%	10.0%	10.3%	9.3%	8.2%	7.0%	7.7%	100.0%
	2019	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	10.0%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2020	8.1%	7.0%	7.1%	7.3%	8.8%	9.5%	9.9%	10.2%	9.2%	8.2%	6.9%	7.6%	100.0%
	2021	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2022	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2023	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2024	8.1%	7.0%	7.1%	7.4%	8.8%	9.5%	9.9%	10.2%	9.2%	8.2%	6.9%	7.6%	100.0%
	2025	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2026	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
	2027	8.2%	6.8%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%
Avg.	2008-2017	8.0%	6.9%	7.2%	7.7%	9.0%	9.5%	10.0%	10.1%	9.3%	8.0%	6.8%	7.6%	100.0%
	2018-2027	8.2%	6.9%	7.1%	7.4%	8.9%	9.5%	9.9%	10.3%	9.2%	8.2%	7.0%	7.6%	100.0%

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

FMPA 2018 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	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	87.9	72.3	73.4	91.8	110.9
	2017	84.8	73.0	78.8	99.1	102.3	105.9	108.7	109.3	104.6	92.7	72.0	78.0	84.8	109.3
Projected	2018	104.0	95.6	85.0	88.2	101.4	109.8	107.1	112.6	105.2	95.5	73.4	79.5	104.0	112.6
	2019	106.1	97.5	86.7	89.9	103.3	111.9	109.2	114.8	107.3	97.4	74.2	80.5	106.1	114.8
	2020	107.3	98.6	87.7	91.0	104.5	113.2	110.4	116.2	108.5	98.5	74.8	81.0	107.3	116.2
	2021	108.1	99.3	88.3	91.6	105.3	114.0	111.2	117.0	109.3	99.2	75.5	81.8	108.1	117.0
	2022	109.1	100.2	89.1	92.5	106.3	115.1	112.3	118.1	110.4	100.2	76.3	82.6	109.1	118.1
	2023	110.2	101.3	90.1	93.5	107.4	116.3	113.4	119.3	111.5	101.2	77.2	83.7	110.2	119.3
	2024	111.6	102.6	91.2	94.6	108.7	117.8	114.9	120.8	112.9	102.5	77.8	84.3	111.6	120.8
	2025	112.5	103.4	91.9	95.4	109.6	118.7	115.8	121.8	113.8	103.3	78.6	85.2	112.5	121.8
	2026	113.6	104.4	92.8	96.3	110.7	119.9	116.9	122.9	114.9	104.3	79.3	85.9	113.6	122.9
	2027	114.6	105.3	93.7	97.2	111.7	121.0	118.0	124.1	115.9	105.3	80.2	86.9	114.6	124.1
Projected	2028	115.9	106.5	94.7	98.3	112.9	122.3	119.3	125.5	117.3	106.5	80.7	87.5	115.9	125.5
	2029	116.7	107.2	95.3	98.9	113.7	123.1	120.1	126.3	118.0	107.1	81.4	88.2	116.7	126.3
	2030	117.6	108.1	96.1	99.8	114.6	124.2	121.1	127.4	119.0	108.0	82.0	88.9	117.6	127.4
	2031	118.6	109.0	96.9	100.6	115.5	125.1	122.0	128.4	119.9	108.9	82.8	89.8	118.6	128.4
	2032	119.7	110.0	97.8	101.5	116.7	126.4	123.2	129.6	121.1	110.0	83.2	90.2	119.7	129.6
	2033	120.3	110.6	98.3	102.0	117.2	127.0	123.8	130.2	121.7	110.5	83.8	90.8	120.3	130.2
	2034	121.2	111.3	99.0	102.7	118.1	127.9	124.7	131.2	122.6	111.3	84.4	91.5	121.2	131.2
	2035	122.0	112.1	99.7	103.5	118.9	128.8	125.6	132.1	123.4	112.0	85.2	92.3	122.0	132.1
	2036	123.2	113.2	100.6	104.4	120.0	130.0	126.7	133.3	124.6	113.1	85.6	92.8	123.2	133.3
	2037	123.7	113.7	101.1	104.9	120.5	130.5	127.3	133.9	125.1	113.6	86.1	93.4	123.7	133.9

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.8%	52.7%	60.4%	54.2%	67.6%	62.2%	67.2%	64.4%	63.6%	60.2%	60.1%	65.1%	60.9%	50.4%
	2017	55.7%	61.6%	59.9%	52.6%	65.7%	57.6%	64.3%	64.3%	61.4%	59.5%	65.3%	68.0%	66.4%	51.5%
Projected	2018	53.6%	54.1%	57.1%	57.4%	66.7%	60.0%	66.4%	63.2%	62.8%	59.5%	65.9%	68.9%	56.4%	52.1%
	2019	54.2%	54.6%	57.5%	57.7%	66.9%	60.1%	66.4%	63.0%	62.4%	59.2%	66.0%	68.9%	56.4%	52.1%
	2020	54.1%	54.4%	57.3%	57.6%	66.7%	59.9%	66.2%	62.9%	62.3%	59.0%	66.1%	69.0%	56.4%	52.1%
	2021	54.3%	54.6%	57.5%	57.7%	66.9%	60.1%	66.3%	63.0%	62.4%	59.1%	66.1%	69.0%	56.4%	52.1%
	2022	54.2%	54.6%	57.5%	57.7%	66.9%	60.1%	66.3%	63.0%	62.4%	59.2%	66.1%	69.0%	56.4%	52.1%
	2023	54.2%	54.6%	57.5%	57.7%	66.9%	60.1%	66.3%	63.0%	62.4%	59.2%	66.0%	68.8%	56.4%	52.1%
	2024	54.1%	54.4%	57.4%	57.6%	66.8%	59.9%	66.1%	62.8%	62.2%	59.0%	66.1%	69.0%	56.4%	52.1%
	2025	54.2%	54.6%	57.5%	57.7%	66.9%	60.1%	66.3%	63.0%	62.4%	59.1%	66.1%	69.0%	56.4%	52.1%
	2026	54.2%	54.6%	57.5%	57.7%	66.9%	60.1%	66.3%	63.0%	62.4%	59.1%	66.2%	69.0%	56.4%	52.1%
	2027	54.2%	54.6%	57.5%	57.8%	66.9%	60.1%	66.3%	62.9%	62.4%	59.1%	66.0%	68.9%	56.4%	52.1%
Avg.	2008-2017	56.2%	57.1%	62.7%	59.1%	69.3%	60.0%	66.0%	63.6%	63.2%	59.4%	62.5%	67.2%	57.4%	52.5%
	2018-2027	54.1%	54.5%	57.4%	57.7%	66.9%	60.0%	66.3%	63.0%	62.4%	59.2%	66.1%	69.0%	56.4%	52.1%

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	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	87.0	72.3	67.0	84.7	110.9
	2017	84.8	73.0	78.8	99.1	102.3	105.0	106.7	108.4	101.2	92.3	71.2	75.9	78.8	108.4
Projected	2018	103.2	95.6	81.3	88.2	99.3	105.8	105.0	109.7	102.5	95.1	72.6	77.4	103.2	109.7
	2019	105.3	97.5	82.9	89.9	101.2	107.9	107.1	111.8	104.5	97.0	73.4	78.3	105.3	111.8
	2020	106.5	98.6	83.8	91.0	102.4	109.2	108.3	113.1	105.7	98.1	74.0	78.9	106.5	113.1
	2021	107.2	99.3	84.4	91.6	103.1	109.9	109.1	113.9	106.5	98.8	74.7	79.6	107.2	113.9
	2022	108.3	100.2	85.2	92.5	104.1	111.0	110.1	115.0	107.5	99.8	75.4	80.4	108.3	115.0
	2023	109.4	101.3	86.1	93.5	105.2	112.2	111.3	116.2	108.6	100.8	76.4	81.4	109.4	116.2
	2024	110.8	102.6	87.2	94.6	106.5	113.6	112.7	117.7	110.0	102.0	77.0	82.1	110.8	117.7
	2025	111.6	103.4	87.9	95.4	107.4	114.4	113.6	118.6	110.8	102.8	77.7	82.9	111.6	118.6
	2026	112.7	104.4	88.7	96.3	108.4	115.6	114.7	119.7	111.9	103.8	78.4	83.6	112.7	119.7
	2027	113.8	105.3	89.6	97.2	109.4	116.6	115.7	120.8	113.0	104.8	79.3	84.6	113.8	120.8
Projected	2028	115.1	106.5	90.6	98.3	110.7	118.0	117.0	122.2	114.2	106.0	79.8	85.1	115.1	122.2
	2029	115.8	107.2	91.2	98.9	111.4	118.7	117.8	123.0	115.0	106.7	80.5	85.9	115.8	123.0
	2030	116.8	108.1	91.9	99.8	112.3	119.7	118.8	124.0	115.9	107.6	81.2	86.5	116.8	124.0
	2031	117.7	109.0	92.7	100.6	113.2	120.7	119.7	125.0	116.9	108.4	81.9	87.4	117.7	125.0
	2032	118.8	110.0	93.6	101.5	114.3	121.8	120.9	126.2	118.0	109.5	82.3	87.8	118.8	126.2
	2033	119.4	110.6	94.0	102.0	114.8	122.4	121.5	126.8	118.6	110.0	82.9	88.4	119.4	126.8
	2034	120.2	111.3	94.7	102.7	115.7	123.3	122.3	127.7	119.4	110.8	83.5	89.0	120.2	127.7
	2035	121.1	112.1	95.3	103.5	116.5	124.1	123.2	128.6	120.2	111.6	84.3	89.9	121.1	128.6
	2036	122.2	113.2	96.2	104.4	117.6	125.3	124.3	129.8	121.4	112.6	84.7	90.3	122.2	129.8
	2037	122.8	113.7	96.7	104.9	118.1	125.9	124.9	130.4	121.9	113.1	85.2	90.9	122.8	130.4

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	98.3%	100.0%	100.0%	100.0%	97.3%	94.6%	100.0%	98.8%	95.8%	99.0%	100.0%	91.2%	92.2%	100.0%
	2017	100.0%	100.0%	100.0%	100.0%	100.0%	99.2%	98.2%	99.1%	96.8%	99.6%	98.9%	97.3%	93.0%	99.1%
Projected	2018	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2019	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2020	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2021	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2022	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2023	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2024	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2025	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2026	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2027	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%
	2008-2017	98.6%	99.6%	95.0%	97.2%	96.5%	94.6%	95.8%	96.5%	96.3%	97.7%	94.6%	96.6%	97.0%	95.4%
	2018-2027	99.2%	100.0%	95.6%	100.0%	98.0%	96.4%	98.1%	97.4%	97.4%	99.6%	98.9%	97.3%	99.2%	97.4%

FMPA 2018 Load Forecast - Base Case - Leesburg

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

|	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	City Sales (MWh)	% Chg	Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	211,043		17,733		11,901		265,971		3,207		82.9		15,354		8,092		500,460		18,730	3.6%	519,190	
	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	3.9%	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	3.4%	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	3.7%	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	3.8%	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	2.8%	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	4.5%	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	4.3%	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%	7,952	4.5%	473,928	3.4%	18,644	3.8%	492,572	2.9%
	2017	227,642	0.8%	20,278	5.8%	11,226	-4.7%	218,671	-2.8%	3,572	1.5%	61.2	-4.3%	15,256	0.9%	7,897	-0.7%	469,466	-0.9%	15,321	3.2%	484,786	-1.6%
Projected	2018	241,401	6.0%	21,160	4.4%	11,408	1.6%	224,614	2.7%	3,582	0.3%	62.7	2.4%	16,069	5.3%	7,897	0.0%	489,980	4.4%	20,456	4.0%	510,437	5.3%
	2019	248,811	3.1%	21,500	1.6%	11,573	1.4%	228,623	1.8%	3,615	0.9%	63.2	0.8%	16,440	2.3%	7,897	0.0%	501,770	2.4%	20,817	4.0%	522,587	2.4%
	2020	250,902	0.8%	21,673	0.8%	11,577	0.0%	231,304	1.2%	3,648	0.9%	63.4	0.3%	16,653	1.3%	7,897	0.0%	506,756	1.0%	22,215	4.2%	528,972	1.2%
	2021	253,085	0.9%	21,839	0.8%	11,589	0.1%	233,757	1.1%	3,681	0.9%	63.5	0.2%	16,851	1.2%	7,897	0.0%	511,590	1.0%	21,198	4.0%	532,789	0.7%
	2022	255,056	0.8%	21,995	0.7%	11,596	0.1%	236,407	1.1%	3,713	0.9%	63.7	0.3%	17,043	1.1%	7,897	0.0%	516,403	0.9%	21,401	4.0%	537,804	0.9%
	2023	257,178	0.8%	22,143	0.7%	11,615	0.2%	239,377	1.3%	3,746	0.9%	63.9	0.4%	17,236	1.1%	7,897	0.0%	521,688	1.0%	21,624	4.0%	543,312	1.0%
	2024	259,338	0.8%	22,285	0.6%	11,637	0.2%	242,400	1.3%	3,777	0.9%	64.2	0.4%	17,427	1.1%	7,897	0.0%	527,062	1.0%	23,117	4.2%	550,179	1.3%
	2025	261,470	0.8%	22,422	0.6%	11,661	0.2%	245,413	1.2%	3,809	0.8%	64.4	0.4%	17,617	1.1%	7,897	0.0%	532,397	1.0%	22,069	4.0%	554,467	0.8%
	2026	263,541	0.8%	22,554	0.6%	11,685	0.2%	248,397	1.2%	3,840	0.8%	64.7	0.4%	17,805	1.1%	7,897	0.0%	537,641	1.0%	22,286	4.0%	559,927	1.0%
	2027	265,520	0.8%	22,676	0.5%	11,709	0.2%	251,262	1.2%	3,871	0.8%	64.9	0.4%	17,985	1.0%	7,897	0.0%	542,664	0.9%	22,494	4.0%	565,158	0.9%
	2028	267,442	0.7%	22,795	0.5%	11,733	0.2%	254,076	1.1%	3,900	0.8%	65.1	0.4%	18,162	1.0%	7,897	0.0%	547,577	0.9%	24,017	4.2%	571,594	1.1%
	2029	269,301	0.7%	22,909	0.5%	11,755	0.2%	256,846	1.1%	3,929	0.7%	65.4	0.3%	18,335	1.0%	7,897	0.0%	552,380	0.9%	22,898	4.0%	575,277	0.6%
	2030	271,105	0.7%	23,020	0.5%	11,777	0.2%	259,567	1.1%	3,957	0.7%	65.6	0.3%	18,505	0.9%	7,897	0.0%	557,075	0.8%	23,092	4.0%	580,167	0.8%
	2031	272,836	0.6%	23,127	0.5%	11,798	0.2%	262,171	1.0%	3,985	0.7%	65.8	0.3%	18,668	0.9%	7,897	0.0%	561,572	0.8%	23,278	4.0%	584,850	0.8%
	2032	274,452	0.6%	23,227	0.4%	11,816	0.2%	264,615	0.9%	4,010	0.6%	66.0	0.3%	18,820	0.8%	7,897	0.0%	565,784	0.8%	24,814	4.2%	590,599	1.0%
	2033	275,984	0.6%	23,326	0.4%	11,832	0.1%	267,011	0.9%	4,036	0.6%	66.2	0.3%	18,969	0.8%	7,897	0.0%	569,861	0.7%	23,621	4.0%	593,482	0.5%
	2034	277,472	0.5%	23,423	0.4%	11,846	0.1%	269,394	0.9%	4,061	0.6%	66.3	0.3%	19,117	0.8%	7,897	0.0%	573,879	0.7%	23,788	4.0%	597,668	0.7%
	2035	278,942	0.5%	23,519	0.4%	11,860	0.1%	271,807	0.9%	4,086	0.6%	66.5	0.3%	19,267	0.8%	7,897	0.0%	577,913	0.7%	23,957	4.0%	601,869	0.7%
	2036	280,417	0.5%	23,613	0.4%	11,875	0.1%	274,243	0.9%	4,111	0.6%	66.7	0.3%	19,418	0.8%	7,897	0.0%	581,975	0.7%	25,527	4.2%	607,502	0.9%
	2037	281,900	0.5%	23,708	0.4%	11,890	0.1%	276,592	0.9%	4,136	0.6%	66.9	0.3%	19,563	0.8%	7,897	0.0%	585,953	0.7%	24,291	4.0%	610,244	0.7%
CAGR	2008-2017		0.8%		1.5%		-0.6%		-2.2%		1.2%		-3.3%		-0.1%		-0.3%		-0.7%		3.7%		-0.8%
	2018-2027		1.1%		0.8%		0.3%		1.3%		0.9%		0.4%		1.3%		0.0%		1.1%		4.0%		1.1%
	2028-2037		0.6%		0.4%		0.1%		0.9%		0.7%		0.3%		0.8%		0.0%		0.8%		4.0%		0.7%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	191.9	-	81.1	-	78.0	-	4.58	-	3,781	-	5,485	-	67,666	-
1998	198.9	3.7%	84.5	4.2%	82.7	6.0%	4.69	2.4%	4,080	7.9%	5,967	8.8%	70,635	4.4%
1999	205.1	3.1%	87.3	3.3%	84.4	2.1%	4.55	-3.0%	4,315	5.8%	6,274	5.1%	71,887	1.8%
2000	212.3	3.5%	89.4	2.4%	87.0	3.1%	4.71	3.6%	4,429	2.6%	6,637	5.8%	74,243	3.3%
2001	222.3	4.7%	94.7	5.9%	89.9	3.2%	4.68	-0.7%	4,975	12.3%	7,066	6.5%	74,631	0.5%
2002	231.5	4.1%	97.7	3.2%	92.8	3.3%	4.26	-8.9%	5,324	7.0%	7,324	3.6%	74,962	0.4%
2003	241.5	4.3%	102.0	4.3%	97.9	5.5%	4.20	-1.6%	5,774	8.5%	7,877	7.5%	77,262	3.1%
2004	254.6	5.4%	106.4	4.4%	105.7	8.0%	4.53	8.0%	6,353	10.0%	8,495	7.8%	79,808	3.3%
2005	267.6	5.1%	111.5	4.8%	112.2	6.1%	4.96	9.4%	6,959	9.5%	8,968	5.6%	80,432	0.8%
2006	281.3	5.1%	116.8	4.7%	119.4	6.4%	4.91	-1.0%	7,459	7.2%	9,689	8.0%	82,973	3.2%
2007	289.9	3.0%	120.4	3.1%	122.5	2.6%	4.66	-5.0%	7,376	-1.1%	9,978	3.0%	82,845	-0.2%
2008	293.7	1.3%	121.1	0.6%	119.4	-2.5%	4.30	-7.8%	6,952	-5.8%	9,920	-0.6%	81,901	-1.1%
2009	295.5	0.6%	120.7	-0.3%	114.9	-3.7%	3.61	-16.1%	6,515	-6.3%	9,422	-5.0%	78,058	-4.7%
2010	297.8	0.8%	121.6	0.8%	113.2	-1.5%	3.38	-6.3%	6,379	-2.1%	9,475	0.6%	77,897	-0.2%
2011	299.8	0.7%	124.5	2.4%	116.4	2.8%	3.80	12.5%	6,337	-0.7%	9,621	1.5%	77,255	-0.8%
2012	303.4	1.2%	126.3	1.4%	119.1	2.3%	4.03	6.0%	6,532	3.1%	9,779	1.6%	77,427	0.2%
2013	308.0	1.5%	128.1	1.4%	121.4	2.0%	3.80	-5.7%	6,665	2.0%	9,943	1.7%	77,595	0.2%
2014	315.7	2.5%	131.0	2.2%	126.4	4.1%	3.94	3.7%	6,865	3.0%	10,508	5.7%	80,239	3.4%
2015	325.9	3.2%	134.6	2.8%	131.3	4.0%	4.09	3.8%	7,414	8.0%	11,216	6.7%	83,308	3.8%
2016	331.7	1.8%	137.8	2.4%	134.2	2.1%	4.13	0.9%	7,522	1.5%	11,490	2.4%	83,375	0.1%
2017	339.3	2.3%	141.5	2.7%	137.6	2.6%	4.15	0.6%	7,775	3.4%	11,947	4.0%	84,447	1.3%
2018	347.0	2.3%	145.0	2.5%	141.0	2.5%	4.17	0.4%	8,030	3.3%	12,423	4.0%	85,689	1.5%
2019	354.8	2.2%	148.4	2.3%	144.4	2.4%	4.19	0.4%	8,288	3.2%	12,918	4.0%	87,074	1.6%
2020	362.7	2.2%	151.7	2.2%	147.7	2.4%	4.20	0.3%	8,552	3.2%	13,435	4.0%	88,574	1.7%
2021	370.3	2.1%	154.8	2.1%	151.1	2.2%	4.21	0.3%	8,812	3.0%	13,947	3.8%	90,085	1.7%
2022	378.0	2.1%	157.8	1.9%	154.5	2.2%	4.22	0.2%	9,080	3.0%	14,481	3.8%	91,757	1.9%
2023	385.8	2.1%	160.7	1.8%	157.9	2.2%	4.23	0.2%	9,351	3.0%	15,025	3.8%	93,480	1.9%
2024	393.7	2.0%	163.6	1.8%	161.3	2.2%	4.23	0.1%	9,626	2.9%	15,576	3.7%	95,224	1.9%
2025	401.6	2.0%	166.4	1.7%	164.7	2.1%	4.23	0.1%	9,907	2.9%	16,148	3.7%	97,052	1.9%
2026	409.1	1.9%	169.0	1.5%	167.9	2.0%	4.24	0.0%	10,180	2.8%	16,705	3.5%	98,873	1.9%
2027	416.6	1.8%	171.5	1.5%	171.2	1.9%	4.23	0.0%	10,456	2.7%	17,266	3.4%	100,673	1.8%
2028	424.2	1.8%	174.0	1.4%	174.4	1.9%	4.23	-0.1%	10,735	2.7%	17,831	3.3%	102,492	1.8%
2029	431.8	1.8%	176.4	1.4%	177.6	1.8%	4.23	-0.1%	11,017	2.6%	18,401	3.2%	104,322	1.8%
2030	439.5	1.8%	178.8	1.3%	180.8	1.8%	4.23	-0.1%	11,301	2.6%	18,970	3.1%	106,124	1.7%
2031	446.8	1.7%	181.0	1.2%	183.9	1.7%	4.22	-0.1%	11,581	2.5%	19,508	2.8%	107,790	1.6%
2032	454.2	1.7%	183.2	1.2%	187.0	1.7%	4.22	-0.1%	11,864	2.4%	20,045	2.8%	109,434	1.5%
2033	461.7	1.6%	185.3	1.2%	190.1	1.7%	4.21	-0.1%	12,149	2.4%	20,587	2.7%	111,076	1.5%
2034	469.2	1.6%	187.5	1.2%	193.2	1.6%	4.21	-0.1%	12,436	2.4%	21,142	2.7%	112,756	1.5%
2035	476.7	1.6%	189.6	1.1%	196.3	1.6%	4.20	-0.1%	12,727	2.3%	21,722	2.7%	114,544	1.6%
2036	484.1	1.6%	191.8	1.1%	199.3	1.6%	4.20	-0.1%	13,017	2.3%	22,299	2.7%	116,271	1.5%
2037	491.6	1.5%	194.0	1.2%	202.3	1.5%	4.19	-0.1%	13,309	2.2%	22,856	2.5%	117,801	1.3%
Average Percent Change														
2007-2017		1.6%		1.6%		1.2%		-1.2%		0.5%		1.8%		0.2%
2018-2027		2.1%		1.9%		2.2%		0.2%		3.0%		3.7%		1.8%
2028-2037		1.7%		1.2%		1.7%		-0.1%		2.4%		2.8%		1.6%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Orlando Airport

FMPA 2018 Load Forecast - Base Case
Newberry
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	31,835	-	32,153	-	1.0%	6.7	-	7.7	-	15.9%	7.2	-	7.2		-0.2%
	2009	33,043	3.8%	32,874	2.2%	-0.5%	8.0	19.9%	8.1	4.5%	1.0%	7.7	6.9%	7.7	7.0%	-0.1%
	2010	34,567	4.6%	32,488	-1.2%	-6.0%	9.5	18.0%	8.2	0.7%	-13.8%	7.6	-1.4%	6.9	-9.6%	-8.4%
	2011	33,524	-3.0%	31,866	-1.9%	-4.9%	8.1	-14.7%	8.5	4.5%	5.6%	7.2	-5.2%	6.4	-7.3%	-10.4%
	2012	31,688	-5.5%	32,037	0.5%	1.1%	7.8	-3.3%	8.5	-0.5%	8.7%	6.3	-12.3%	7.0	9.0%	11.3%
	2013	32,137	1.4%	32,199	0.5%	0.2%	7.4	-5.2%	7.7	-9.1%	4.3%	7.3	16.3%	7.6	8.4%	3.8%
	2014	34,298	6.7%	34,306	6.5%	0.0%	7.6	2.6%	8.7	12.2%	14.0%	7.8	7.3%	8.2	7.5%	4.0%
	2015	36,047	5.1%	35,118	2.4%	-2.6%	8.7	14.2%	8.3	-4.2%	-4.4%	7.8	-0.2%	8.8	7.7%	12.2%
	2016	36,935	2.5%	35,979	2.5%	-2.6%	6.3	-27.3%	8.6	3.5%	36.2%	8.4	7.7%	8.5	-3.5%	0.5%
	2017	35,911	-2.8%	36,351	1.0%	1.2%	5.5	-12.0%	8.2	-4.2%	48.4%	8.2	-2.4%	9.1	7.9%	11.1%
Projected	2018	38,479	7.2%	38,479	5.9%		9.0	62.7%	9.0	9.6%		8.8	6.5%	8.8	-4.1%	
	2019			39,493	2.6%				9.2	2.3%				9.0	2.3%	
	2020			40,159	1.7%				9.4	1.5%				9.1	1.5%	
	2021			40,738	1.4%				9.5	1.4%				9.2	1.4%	
	2022			41,325	1.4%				9.6	1.5%				9.4	1.5%	
	2023			41,943	1.5%				9.8	1.5%				9.5	1.5%	
	2024			42,573	1.5%				9.9	1.5%				9.7	1.5%	
	2025			43,207	1.5%				10.1	1.5%				9.8	1.5%	
	2026			43,838	1.5%				10.2	1.4%				9.9	1.4%	
	2027			44,450	1.4%				10.4	1.4%				10.1	1.4%	
	2028			45,042	1.3%				10.5	1.3%				10.2	1.3%	
	2029			45,623	1.3%				10.6	1.3%				10.3	1.3%	
	2030			46,195	1.3%				10.8	1.2%				10.5	1.2%	
	2031			46,752	1.2%				10.9	1.2%				10.6	1.2%	
	2032			47,286	1.1%				11.0	1.1%				10.7	1.1%	
	2033			47,798	1.1%				11.1	1.1%				10.8	1.1%	
	2034			48,299	1.0%				11.3	1.0%				10.9	1.0%	
	2035			48,796	1.0%				11.4	1.0%				11.1	1.0%	
	2036			49,296	1.0%				11.5	1.0%				11.2	1.0%	
	2037			49,796	1.0%				11.6	1.0%				11.3	1.0%	
CAGR [3]	2008-2017		1.3%		1.4%			-2.1%		0.7%			1.5%		2.8%	
	2018-2027				1.6%					1.6%					1.6%	
	2028-2037				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

FMPA 2018 Load Forecast - Base Case
Newberry
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	31,835	-	31,835	-	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%	36,935	2.5%	8.6	8.5	8.6	8.5	6.3	8.4	8.0	8.4
	2017	35,911	-2.8%	37,121	0.5%	7.8	8.3	8.8	8.6	5.5	8.2	8.6	8.3
Projected	2018	38,479	7.2%	37,910	2.1%	9.2	8.9	9.0	8.7	9.0	8.8	8.8	8.5
	2019	39,493	2.6%	38,662	2.0%	9.4	9.1	9.2	8.9	9.2	9.0	9.0	8.7
	2020	40,159	1.7%	39,514	2.2%	9.6	9.2	9.4	9.1	9.4	9.1	9.2	8.9
	2021	40,738	1.4%	40,205	1.7%	9.7	9.3	9.6	9.3	9.5	9.2	9.4	9.0
	2022	41,325	1.4%	40,974	1.9%	9.9	9.5	9.7	9.4	9.6	9.4	9.5	9.2
	2023	41,943	1.5%	41,748	1.9%	10.0	9.6	9.9	9.6	9.8	9.5	9.7	9.4
	2024	42,573	1.5%	42,592	2.0%	10.2	9.8	10.1	9.8	9.9	9.7	9.9	9.6
	2025	43,207	1.5%	43,265	1.6%	10.3	9.9	10.3	10.0	10.1	9.8	10.1	9.7
	2026	43,838	1.5%	44,004	1.7%	10.5	10.1	10.5	10.1	10.2	9.9	10.2	9.9
	2027	44,450	1.4%	44,725	1.6%	10.6	10.2	10.6	10.3	10.4	10.1	10.4	10.0
	2028	45,042	1.3%	45,545	1.8%	10.7	10.3	10.8	10.5	10.5	10.2	10.6	10.2
	2029	45,623	1.3%	46,188	1.4%	10.9	10.5	11.0	10.6	10.6	10.3	10.7	10.4
	2030	46,195	1.3%	46,909	1.6%	11.0	10.6	11.2	10.8	10.8	10.5	10.9	10.5
	2031	46,752	1.2%	47,630	1.5%	11.1	10.7	11.3	11.0	10.9	10.6	11.1	10.7
	2032	47,286	1.1%	48,447	1.7%	11.3	10.8	11.5	11.1	11.0	10.7	11.3	10.9
	2033	47,798	1.1%	49,078	1.3%	11.4	11.0	11.7	11.3	11.1	10.8	11.4	11.0
	2034	48,299	1.0%	49,791	1.5%	11.5	11.1	11.8	11.5	11.3	10.9	11.6	11.2
	2035	48,796	1.0%	50,503	1.4%	11.6	11.2	12.0	11.6	11.4	11.1	11.7	11.3
	2036	49,296	1.0%	51,335	1.6%	11.7	11.3	12.2	11.8	11.5	11.2	11.9	11.5
	2037	49,796	1.0%			11.9	11.4			11.6	11.3		
CAGR [1]	Historical		1.3%		1.9%	1.7%	1.7%	3.0%	2.1%	-4.5%	0.9%	0.0%	1.4%
	1st 10 Prj Yrs		1.6%		1.9%	1.6%	1.6%	1.9%	1.9%	1.6%	1.6%	1.9%	1.9%
	2nd 10 Prj Yrs		1.1%		1.5%	1.1%	1.1%	1.5%	1.5%	1.1%	1.1%	1.5%	1.5%

[1]   CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	2,864	2,449	2,612	36,956	36,935
	2017	2,723	2,286	2,601	2,795	3,315	3,300	3,702	3,873	3,389	3,062	2,742	2,900	36,689	35,911
Projected	2018	3,371	2,953	2,900	2,776	3,062	3,486	3,715	3,825	3,687	3,102	2,862	3,035	38,775	38,479
	2019	3,477	2,991	2,954	2,865	3,081	3,642	3,769	3,923	3,792	3,155	2,933	3,105	39,686	39,493
	2020	3,540	3,031	3,000	2,917	3,110	3,721	3,807	3,986	3,855	3,197	2,982	3,153	40,298	40,159
	2021	3,591	3,071	3,042	2,961	3,148	3,783	3,855	4,045	3,911	3,241	3,026	3,199	40,871	40,738
	2022	3,642	3,113	3,085	3,004	3,192	3,841	3,908	4,105	3,969	3,288	3,072	3,246	41,465	41,325
	2023	3,695	3,159	3,132	3,050	3,240	3,900	3,966	4,167	4,029	3,338	3,119	3,295	42,089	41,943
	2024	3,750	3,206	3,179	3,097	3,289	3,959	4,024	4,229	4,089	3,388	3,166	3,344	42,719	42,573
	2025	3,804	3,254	3,226	3,143	3,338	4,019	4,083	4,292	4,149	3,438	3,213	3,393	43,354	43,207
	2026	3,859	3,301	3,273	3,190	3,388	4,078	4,142	4,353	4,209	3,488	3,259	3,442	43,982	43,838
	2027	3,913	3,347	3,319	3,235	3,435	4,134	4,198	4,413	4,266	3,536	3,304	3,488	44,589	44,450
Projected	2028	3,964	3,391	3,364	3,279	3,481	4,189	4,253	4,471	4,322	3,582	3,348	3,533	45,177	45,042
	2029	4,014	3,435	3,407	3,322	3,527	4,243	4,307	4,527	4,377	3,628	3,391	3,578	45,757	45,623
	2030	4,064	3,478	3,450	3,364	3,572	4,297	4,360	4,583	4,431	3,674	3,433	3,622	46,326	46,195
	2031	4,112	3,520	3,492	3,405	3,615	4,348	4,411	4,637	4,483	3,717	3,474	3,664	46,878	46,752
	2032	4,158	3,560	3,532	3,445	3,657	4,398	4,460	4,689	4,533	3,759	3,513	3,704	47,407	47,286
	2033	4,202	3,598	3,571	3,483	3,697	4,445	4,507	4,738	4,581	3,799	3,551	3,743	47,916	47,798
	2034	4,245	3,635	3,608	3,520	3,737	4,492	4,554	4,787	4,628	3,839	3,588	3,782	48,415	48,299
	2035	4,287	3,672	3,645	3,557	3,776	4,539	4,600	4,836	4,676	3,879	3,626	3,820	48,912	48,796
	2036	4,330	3,709	3,683	3,594	3,815	4,585	4,646	4,885	4,723	3,919	3,664	3,859	49,413	49,296
	2037	4,372	3,746	3,720	3,632	3,855	4,632	4,692	4,934	4,771	3,959	3,701	3,898	49,912	49,796

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.3%	7.3%	6.9%	7.1%	8.7%	10.0%	10.6%	10.4%	9.2%	7.7%	6.6%	7.1%	100.0%
	2017	7.4%	6.2%	7.1%	7.6%	9.0%	9.0%	10.1%	10.6%	9.2%	8.3%	7.5%	7.9%	100.0%
Projected	2018	8.7%	7.6%	7.5%	7.2%	7.9%	9.0%	9.6%	9.9%	9.5%	8.0%	7.4%	7.8%	100.0%
	2019	8.8%	7.5%	7.4%	7.2%	7.8%	9.2%	9.5%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2020	8.8%	7.5%	7.4%	7.2%	7.7%	9.2%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2021	8.8%	7.5%	7.4%	7.2%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2022	8.8%	7.5%	7.4%	7.2%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2023	8.8%	7.5%	7.4%	7.2%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2024	8.8%	7.5%	7.4%	7.2%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2025	8.8%	7.5%	7.4%	7.3%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2026	8.8%	7.5%	7.4%	7.3%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
	2027	8.8%	7.5%	7.4%	7.3%	7.7%	9.3%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%
Avg.	2008-2017	8.4%	7.1%	7.1%	7.1%	8.7%	9.5%	10.0%	10.2%	9.2%	7.8%	7.0%	7.8%	100.0%
	2018-2027	8.8%	7.5%	7.4%	7.2%	7.7%	9.2%	9.4%	9.9%	9.6%	7.9%	7.4%	7.8%	100.0%

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FMPA 2018 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	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	5.9	6.0	8.6	8.5
	2017	7.8	5.7	7.4	7.4	7.6	7.8	8.1	8.3	7.7	6.8	6.0	7.2	7.8	8.3
Projected	2018	9.2	8.7	6.7	6.6	7.8	8.6	8.4	8.9	8.2	7.2	6.1	7.4	9.2	8.9
	2019	9.4	8.9	6.8	6.7	7.9	8.8	8.6	9.1	8.3	7.4	6.2	7.5	9.4	9.1
	2020	9.6	9.0	6.9	6.8	8.1	8.9	8.7	9.2	8.5	7.5	6.3	7.6	9.6	9.2
	2021	9.7	9.1	7.0	6.9	8.2	9.0	8.8	9.3	8.6	7.6	6.4	7.7	9.7	9.3
	2022	9.9	9.3	7.1	7.0	8.3	9.2	9.0	9.5	8.7	7.7	6.5	7.8	9.9	9.5
	2023	10.0	9.4	7.2	7.1	8.4	9.3	9.1	9.6	8.9	7.8	6.6	7.9	10.0	9.6
	2024	10.2	9.5	7.3	7.3	8.5	9.5	9.2	9.8	9.0	7.9	6.7	8.0	10.2	9.8
	2025	10.3	9.7	7.4	7.4	8.7	9.6	9.4	9.9	9.1	8.1	6.7	8.2	10.3	9.9
	2026	10.5	9.8	7.5	7.5	8.8	9.7	9.5	10.1	9.3	8.2	6.8	8.3	10.5	10.1
	2027	10.6	10.0	7.6	7.6	8.9	9.9	9.6	10.2	9.4	8.3	6.9	8.4	10.6	10.2
Projected	2028	10.7	10.1	7.7	7.7	9.0	10.0	9.8	10.3	9.5	8.4	7.0	8.5	10.7	10.3
	2029	10.9	10.2	7.8	7.8	9.2	10.1	9.9	10.5	9.6	8.5	7.1	8.6	10.9	10.5
	2030	11.0	10.4	7.9	7.9	9.3	10.2	10.0	10.6	9.7	8.6	7.2	8.7	11.0	10.6
	2031	11.1	10.5	8.0	8.0	9.4	10.4	10.1	10.7	9.9	8.7	7.3	8.8	11.1	10.7
	2032	11.3	10.6	8.1	8.1	9.5	10.5	10.3	10.8	10.0	8.8	7.4	8.9	11.3	10.8
	2033	11.4	10.7	8.2	8.1	9.6	10.6	10.4	11.0	10.1	8.9	7.4	9.0	11.4	11.0
	2034	11.5	10.8	8.3	8.2	9.7	10.7	10.5	11.1	10.2	9.0	7.5	9.1	11.5	11.1
	2035	11.6	10.9	8.4	8.3	9.8	10.8	10.6	11.2	10.3	9.1	7.6	9.2	11.6	11.2
	2036	11.7	11.0	8.5	8.4	9.9	10.9	10.7	11.3	10.4	9.2	7.7	9.3	11.7	11.3
	2037	11.9	11.2	8.6	8.5	10.0	11.0	10.8	11.4	10.5	9.3	7.7	9.3	11.9	11.4

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	55.9%	55.5%	60.9%	49.3%	49.7%
	2017	46.6%	59.2%	47.5%	50.7%	64.6%	56.9%	63.5%	62.4%	61.1%	60.6%	61.9%	56.0%	53.4%	50.2%
Projected	2018	49.2%	50.7%	58.6%	56.7%	58.8%	54.6%	61.5%	58.0%	62.8%	57.8%	63.2%	57.3%	48.0%	49.9%
	2019	49.6%	50.2%	58.3%	57.1%	57.8%	55.7%	61.0%	58.1%	63.1%	57.4%	63.8%	57.7%	48.0%	49.9%
	2020	49.7%	48.3%	58.3%	57.3%	57.4%	56.1%	60.7%	58.2%	63.2%	57.3%	63.9%	57.8%	48.0%	49.9%
	2021	49.7%	50.0%	58.3%	57.3%	57.3%	56.2%	60.6%	58.2%	63.2%	57.3%	63.9%	57.8%	48.0%	49.9%
	2022	49.7%	50.0%	58.3%	57.3%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	63.9%	57.8%	48.0%	49.9%
	2023	49.7%	50.0%	58.3%	57.3%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	63.9%	57.8%	48.0%	49.9%
	2024	49.6%	48.2%	58.3%	57.4%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	64.0%	57.8%	48.0%	49.9%
	2025	49.6%	50.0%	58.3%	57.4%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	64.0%	57.8%	48.0%	49.9%
	2026	49.6%	50.0%	58.3%	57.4%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	64.0%	57.8%	48.0%	49.9%
	2027	49.6%	50.0%	58.3%	57.4%	57.3%	56.3%	60.5%	58.2%	63.2%	57.3%	64.1%	57.8%	48.0%	49.9%
Avg.	2008-2017	49.2%	49.1%	55.5%	55.6%	65.0%	57.7%	63.2%	61.0%	60.6%	56.9%	54.3%	57.3%	48.1%	50.0%
	2018-2027	49.6%	49.7%	58.4%	57.3%	57.5%	56.1%	60.7%	58.2%	63.1%	57.3%	63.9%	57.7%	48.0%	49.9%

FMPA 2018 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	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	5.8	5.3	5.1	6.3	8.4
	2017	7.8	5.0	5.5	7.4	7.2	7.4	8.1	8.2	5.6	6.4	5.3	6.3	5.5	8.2
Projected	2018	9.0	8.3	5.8	6.5	7.5	8.1	8.1	8.8	7.2	6.8	5.4	6.4	9.0	8.8
	2019	9.2	8.5	6.0	6.7	7.7	8.3	8.3	9.0	7.4	7.0	5.5	6.5	9.2	9.0
	2020	9.4	8.7	6.1	6.8	7.8	8.4	8.4	9.1	7.5	7.1	5.6	6.6	9.4	9.1
	2021	9.5	8.8	6.2	6.9	7.9	8.5	8.6	9.2	7.6	7.2	5.7	6.7	9.5	9.2
	2022	9.6	8.9	6.3	7.0	8.0	8.6	8.7	9.4	7.7	7.3	5.8	6.8	9.6	9.4
	2023	9.8	9.1	6.3	7.1	8.1	8.8	8.8	9.5	7.9	7.4	5.9	6.9	9.8	9.5
	2024	9.9	9.2	6.4	7.2	8.2	8.9	9.0	9.7	8.0	7.5	5.9	7.0	9.9	9.7
	2025	10.1	9.3	6.5	7.3	8.4	9.0	9.1	9.8	8.1	7.6	6.0	7.1	10.1	9.8
	2026	10.2	9.5	6.6	7.4	8.5	9.2	9.2	9.9	8.2	7.7	6.1	7.2	10.2	9.9
	2027	10.4	9.6	6.7	7.5	8.6	9.3	9.3	10.1	8.3	7.9	6.2	7.3	10.4	10.1
Projected	2028	10.5	9.7	6.8	7.6	8.7	9.4	9.5	10.2	8.4	8.0	6.3	7.4	10.5	10.2
	2029	10.6	9.8	6.9	7.7	8.8	9.5	9.6	10.3	8.5	8.1	6.3	7.5	10.6	10.3
	2030	10.8	10.0	7.0	7.8	8.9	9.7	9.7	10.5	8.7	8.2	6.4	7.6	10.8	10.5
	2031	10.9	10.1	7.1	7.9	9.0	9.8	9.8	10.6	8.8	8.3	6.5	7.7	10.9	10.6
	2032	11.0	10.2	7.2	8.0	9.1	9.9	9.9	10.7	8.9	8.3	6.6	7.8	11.0	10.7
	2033	11.1	10.3	7.2	8.0	9.2	10.0	10.0	10.8	9.0	8.4	6.6	7.8	11.1	10.8
	2034	11.3	10.4	7.3	8.1	9.3	10.1	10.1	10.9	9.0	8.5	6.7	7.9	11.3	10.9
	2035	11.4	10.5	7.4	8.2	9.4	10.2	10.2	11.1	9.1	8.6	6.8	8.0	11.4	11.1
	2036	11.5	10.6	7.5	8.3	9.5	10.3	10.4	11.2	9.2	8.7	6.8	8.1	11.5	11.2
	2037	11.6	10.7	7.5	8.4	9.6	10.4	10.5	11.3	9.3	8.8	6.9	8.2	11.6	11.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	83.9%	90.0%	85.8%	73.6%	99.3%
	2017	99.9%	86.5%	75.2%	100.0%	93.9%	95.1%	100.0%	98.8%	72.9%	94.6%	89.3%	87.3%	70.6%	98.8%
Projected	2018	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2019	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2020	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2021	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2022	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2023	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2024	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2025	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2026	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2027	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%
	2008-2017	97.8%	97.3%	90.2%	96.9%	96.2%	96.7%	94.7%	97.0%	93.2%	94.3%	81.5%	89.5%	92.6%	96.8%
	2018-2027	97.8%	96.3%	88.0%	98.9%	96.4%	94.2%	96.9%	98.9%	88.8%	94.6%	89.3%	87.3%	97.8%	98.9%

FMPA 2018 Load Forecast - Base Case - Newberry

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

|	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/Cust. (MWh)	% Chg	City Sales (MWh)	% Chg	Lights Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	14,217		1,176		12,094		13,493		230		58.6		1,583		0		29,293		2,542	8.0%	31,835	
	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%	0		30,835	5.3%	2,208	6.7%	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%	0		32,872	6.6%	1,695	4.9%	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%	0		32,296	-1.8%	1,228	3.7%	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%	0		30,709	-4.9%	979	3.1%	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%	0		30,586	-0.4%	1,551	4.8%	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%	0		32,314	5.6%	1,984	5.8%	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%	0		34,013	5.3%	2,034	5.6%	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%	0		34,412	1.2%	2,523	6.8%	36,935	2.5%
	2017	18,965	1.3%	1,493	2.6%	12,705	-1.3%	14,093	2.0%	244	2.5%	57.8	-0.5%	1,770	-4.9%	583		35,411	2.9%	499	1.4%	35,911	-2.8%
Projected	2018	20,305	7.1%	1,544	3.4%	13,154	3.5%	14,334	1.7%	248	1.8%	57.8	-0.1%	1,802	1.8%	583	0.0%	37,025	4.6%	1,455	3.8%	38,479	7.2%
	2019	20,917	3.0%	1,588	2.9%	13,170	0.1%	14,647	2.2%	249	0.6%	58.7	1.6%	1,845	2.4%	583	0.0%	37,993	2.6%	1,500	3.8%	39,493	2.6%
	2020	21,301	1.8%	1,616	1.8%	13,180	0.1%	14,854	1.4%	251	0.4%	59.3	1.0%	1,894	2.6%	583	0.0%	38,632	1.7%	1,527	3.8%	40,159	1.7%
	2021	21,626	1.5%	1,641	1.5%	13,183	0.0%	15,036	1.2%	252	0.4%	59.8	0.8%	1,943	2.6%	583	0.0%	39,188	1.4%	1,550	3.8%	40,738	1.4%
	2022	21,923	1.4%	1,664	1.4%	13,176	0.0%	15,253	1.4%	253	0.6%	60.3	0.9%	1,992	2.6%	583	0.0%	39,752	1.4%	1,573	3.8%	41,325	1.4%
	2023	22,209	1.3%	1,685	1.3%	13,177	0.0%	15,511	1.7%	255	0.7%	60.9	1.0%	2,043	2.6%	583	0.0%	40,347	1.5%	1,597	3.8%	41,943	1.5%
	2024	22,492	1.3%	1,705	1.2%	13,190	0.1%	15,782	1.7%	257	0.7%	61.5	1.0%	2,095	2.5%	583	0.0%	40,952	1.5%	1,621	3.8%	42,573	1.5%
	2025	22,778	1.3%	1,724	1.1%	13,214	0.2%	16,054	1.7%	258	0.7%	62.1	1.0%	2,146	2.5%	583	0.0%	41,562	1.5%	1,645	3.8%	43,207	1.5%
	2026	23,063	1.2%	1,742	1.0%	13,242	0.2%	16,325	1.7%	260	0.7%	62.8	1.0%	2,198	2.4%	583	0.0%	42,169	1.5%	1,669	3.8%	43,838	1.5%
	2027	23,333	1.2%	1,758	1.0%	13,270	0.2%	16,593	1.6%	262	0.7%	63.4	1.0%	2,249	2.3%	583	0.0%	42,758	1.4%	1,692	3.8%	44,450	1.4%
	2028	23,590	1.1%	1,774	0.9%	13,298	0.2%	16,855	1.6%	263	0.6%	64.0	0.9%	2,299	2.2%	583	0.0%	43,327	1.3%	1,715	3.8%	45,042	1.3%
	2029	23,839	1.1%	1,789	0.8%	13,326	0.2%	17,114	1.5%	265	0.6%	64.6	0.9%	2,350	2.2%	583	0.0%	43,887	1.3%	1,737	3.8%	45,623	1.3%
	2030	24,080	1.0%	1,803	0.8%	13,352	0.2%	17,373	1.5%	267	0.6%	65.1	0.9%	2,400	2.2%	583	0.0%	44,436	1.3%	1,758	3.8%	46,195	1.3%
	2031	24,311	1.0%	1,817	0.8%	13,378	0.2%	17,628	1.5%	268	0.6%	65.7	0.9%	2,450	2.1%	583	0.0%	44,972	1.2%	1,780	3.8%	46,752	1.2%
	2032	24,529	0.9%	1,830	0.7%	13,402	0.2%	17,876	1.4%	270	0.6%	66.2	0.8%	2,498	2.0%	583	0.0%	45,486	1.1%	1,800	3.8%	47,286	1.1%
	2033	24,734	0.8%	1,842	0.7%	13,425	0.2%	18,116	1.3%	271	0.5%	66.8	0.8%	2,545	1.9%	583	0.0%	45,979	1.1%	1,819	3.8%	47,798	1.1%
	2034	24,929	0.8%	1,854	0.6%	13,447	0.2%	18,354	1.3%	273	0.5%	67.3	0.8%	2,594	1.9%	583	0.0%	46,460	1.0%	1,838	3.8%	48,299	1.0%
	2035	25,118	0.8%	1,865	0.6%	13,467	0.2%	18,593	1.3%	274	0.5%	67.8	0.8%	2,643	1.9%	583	0.0%	46,938	1.0%	1,857	3.8%	48,796	1.0%
	2036	25,305	0.7%	1,876	0.6%	13,488	0.2%	18,837	1.3%	276	0.5%	68.3	0.8%	2,694	1.9%	583	0.0%	47,420	1.0%	1,876	3.8%	49,296	1.0%
	2037	25,491	0.7%	1,887	0.6%	13,509	0.2%	19,082	1.3%	277	0.5%	68.9	0.8%	2,743	1.8%	583	0.0%	47,900	1.0%	1,896	3.8%	49,796	1.0%
CAGR	2008-2017		3.3%		2.7%		0.5%		0.5%		0.6%		-0.1%		1.2%				2.1%		5.1%		1.3%
	2018-2027		1.6%		1.5%		0.1%		1.6%		0.6%		1.0%		2.5%		0.0%		1.6%		3.8%		1.6%
	2028-2037		0.9%		0.7%		0.2%		1.4%		0.6%		0.8%		2.0%		0.0%		1.1%		3.8%		1.1%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	210.1	-	83.5	-	132.7	-	4.35	-	7,728	-	5,889	-	70,531	-
1998	212.7	1.2%	85.0	1.8%	137.8	3.8%	4.54	4.4%	8,249	6.7%	6,199	5.3%	72,946	3.4%
1999	215.8	1.5%	86.5	1.8%	141.6	2.7%	4.36	-4.0%	8,529	3.4%	6,363	2.7%	73,590	0.9%
2000	218.6	1.3%	87.8	1.6%	145.8	3.0%	4.40	1.1%	8,722	2.3%	6,599	3.7%	75,126	2.1%
2001	221.7	1.4%	90.9	3.5%	148.9	2.1%	4.34	-1.5%	9,007	3.3%	6,827	3.5%	75,101	0.0%
2002	224.6	1.3%	91.9	1.1%	148.0	-0.6%	4.34	0.0%	9,380	4.1%	6,924	1.4%	75,318	0.3%
2003	227.0	1.1%	93.5	1.7%	148.1	0.0%	4.14	-4.6%	9,491	1.2%	7,013	1.3%	74,997	-0.4%
2004	229.9	1.3%	94.2	0.7%	155.5	5.0%	4.35	5.2%	10,587	11.5%	7,717	10.0%	81,916	9.2%
2005	233.8	1.7%	95.8	1.7%	158.0	1.6%	4.37	0.4%	11,093	4.8%	8,086	4.8%	84,369	3.0%
2006	239.5	2.5%	98.0	2.2%	161.4	2.2%	4.89	11.9%	11,477	3.5%	8,459	4.6%	86,349	2.3%
2007	242.7	1.3%	99.6	1.7%	164.4	1.8%	5.21	6.7%	11,820	3.0%	8,675	2.5%	87,113	0.9%
2008	244.9	0.9%	100.1	0.5%	163.0	-0.9%	5.39	3.3%	11,578	-2.0%	8,759	1.0%	87,517	0.5%
2009	246.7	0.7%	100.1	0.0%	156.9	-3.7%	4.54	-15.8%	11,616	0.3%	8,429	-3.8%	84,188	-3.8%
2010	247.6	0.4%	100.6	0.4%	154.2	-1.7%	4.70	3.6%	11,509	-0.9%	8,642	2.5%	85,942	2.1%
2011	249.7	0.8%	102.7	2.1%	155.3	0.7%	4.77	1.4%	11,076	-3.8%	8,857	2.5%	86,273	0.4%
2012	251.7	0.8%	103.9	1.2%	156.9	1.0%	4.77	0.0%	11,105	0.3%	8,709	-1.7%	83,793	-2.9%
2013	253.3	0.6%	105.5	1.5%	158.8	1.2%	4.84	1.5%	11,319	1.9%	8,706	0.0%	82,552	-1.5%
2014	256.5	1.3%	106.0	0.5%	163.0	2.6%	4.67	-3.4%	11,527	1.8%	9,095	4.5%	85,786	3.9%
2015	260.0	1.3%	107.1	1.0%	166.9	2.4%	4.89	4.6%	12,094	4.9%	9,536	4.8%	89,069	3.8%
2016	262.1	0.8%	108.8	1.6%	169.3	1.4%	4.93	0.8%	12,447	2.9%	9,809	2.9%	90,196	1.3%
2017	264.5	0.9%	110.3	1.5%	171.5	1.3%	4.96	0.6%	12,728	2.3%	10,045	2.4%	91,047	0.9%
2018	267.0	0.9%	111.7	1.3%	173.5	1.2%	4.98	0.4%	13,009	2.2%	10,288	2.4%	92,074	1.1%
2019	269.4	0.9%	113.0	1.2%	175.4	1.1%	5.00	0.4%	13,288	2.1%	10,534	2.4%	93,205	1.2%
2020	271.9	0.9%	114.2	1.1%	177.3	1.1%	5.02	0.3%	13,570	2.1%	10,787	2.4%	94,429	1.3%
2021	274.2	0.9%	115.4	1.0%	179.2	1.0%	5.03	0.2%	13,849	2.1%	11,040	2.3%	95,704	1.4%
2022	276.5	0.9%	116.3	0.8%	181.2	1.1%	5.04	0.1%	14,134	2.1%	11,301	2.4%	97,165	1.5%
2023	278.9	0.8%	117.2	0.8%	183.1	1.1%	5.04	0.1%	14,423	2.0%	11,565	2.3%	98,686	1.6%
2024	281.2	0.8%	118.0	0.7%	184.9	1.0%	5.04	0.1%	14,711	2.0%	11,827	2.3%	100,211	1.5%
2025	283.6	0.8%	118.8	0.7%	186.7	1.0%	5.05	0.0%	15,001	2.0%	12,094	2.3%	101,793	1.6%
2026	285.8	0.8%	119.5	0.6%	188.4	0.9%	5.04	-0.1%	15,279	1.9%	12,351	2.1%	103,362	1.5%
2027	288.0	0.8%	120.2	0.6%	190.0	0.9%	5.04	-0.1%	15,560	1.8%	12,607	2.1%	104,913	1.5%
2028	290.2	0.8%	120.8	0.5%	191.6	0.8%	5.03	-0.1%	15,843	1.8%	12,864	2.0%	106,474	1.5%
2029	292.3	0.8%	121.4	0.5%	193.3	0.9%	5.03	-0.1%	16,130	1.8%	13,121	2.0%	108,059	1.5%
2030	294.5	0.7%	122.0	0.5%	194.9	0.9%	5.02	-0.1%	16,419	1.8%	13,375	1.9%	109,633	1.5%
2031	296.6	0.7%	122.5	0.4%	196.5	0.8%	5.01	-0.2%	16,706	1.7%	13,616	1.8%	111,132	1.4%
2032	298.7	0.7%	123.0	0.4%	198.2	0.8%	5.00	-0.2%	16,997	1.7%	13,857	1.8%	112,638	1.4%
2033	300.7	0.7%	123.5	0.4%	199.7	0.8%	4.99	-0.2%	17,290	1.7%	14,098	1.7%	114,153	1.3%
2034	302.8	0.7%	124.0	0.4%	201.2	0.7%	4.99	-0.2%	17,587	1.7%	14,343	1.7%	115,697	1.4%
2035	304.8	0.7%	124.4	0.4%	202.7	0.7%	4.98	-0.2%	17,888	1.7%	14,599	1.8%	117,327	1.4%
2036	306.7	0.6%	124.9	0.4%	204.2	0.7%	4.97	-0.2%	18,186	1.7%	14,849	1.7%	118,909	1.3%
2037	308.7	0.6%	125.4	0.4%	205.6	0.7%	4.96	-0.2%	18,488	1.7%	15,092	1.6%	120,346	1.2%
Average Percent Change														
2007-2017		0.9%		1.0%		0.4%		-0.5%		0.7%		1.5%		0.4%
2018-2027		0.8%		0.8%		1.0%		0.1%		2.0%		2.3%		1.5%
2028-2037		0.7%		0.4%		0.8%		-0.2%		1.7%		1.8%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Gainesville Airport

FMPA 2018 Load Forecast - Base Case
Ocala
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 [1,2] | | | | | | | | | | |
| | | | | | | | 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	2008	1,359,556	-	1,364,925	-	0.4%	274.2	-	267.1	-	-2.6%	293.6	-	291.5	-	-0.7%
	2009	1,299,969	-4.4%	1,295,929	-5.1%	-0.3%	283.1	3.3%	277.6	3.9%	-2.0%	295.2	0.5%	298.2	2.3%	1.0%
	2010	1,337,900	2.9%	1,265,936	-2.3%	-5.4%	320.3	13.1%	283.8	2.2%	-11.4%	289.0	-2.1%	274.5	-8.0%	-5.0%
	2011	1,302,274	-2.7%	1,242,446	-1.9%	-4.6%	277.2	-13.5%	275.8	-2.8%	-0.5%	280.7	-2.9%	255.7	-6.8%	-8.9%
	2012	1,230,559	-5.5%	1,229,503	-1.0%	-0.1%	260.9	-5.9%	248.4	-9.9%	-4.8%	260.1	-7.3%	292.8	14.5%	12.6%
	2013	1,238,467	0.6%	1,233,620	0.3%	-0.4%	234.4	-10.1%	238.0	-4.2%	1.5%	275.8	6.0%	284.3	-2.9%	3.1%
	2014	1,263,334	2.0%	1,259,158	2.1%	-0.3%	253.2	8.0%	268.6	12.8%	6.1%	285.1	3.4%	291.8	2.6%	2.3%
	2015	1,294,771	2.5%	1,261,269	0.2%	-2.6%	275.5	8.8%	265.1	-1.3%	-3.8%	286.6	0.5%	306.4	5.0%	6.9%
	2016	1,336,499	3.2%	1,291,349	2.4%	-3.4%	236.1	-14.3%	272.9	2.9%	15.6%	289.3	0.9%	288.4	-5.9%	-0.3%
	2017	1,296,410	-3.0%	1,292,832	0.1%	-0.3%	209.9	-11.1%	232.8	-14.7%	10.9%	288.1	-0.4%	312.8	8.5%	8.6%
Projected	2018	1,323,136	2.1%	1,323,136	2.3%		273.0	30.1%	273.0	17.2%		292.2	1.4%	292.2	-6.6%	
	2019			1,343,533	1.5%				277.2	1.5%				296.7	1.5%	
	2020			1,361,771	1.4%				280.8	1.3%				300.6	1.3%	
	2021			1,378,188	1.2%				284.1	1.2%				304.1	1.2%	
	2022			1,394,105	1.2%				287.4	1.1%				307.6	1.1%	
	2023			1,409,760	1.1%				290.6	1.1%				311.1	1.1%	
	2024			1,425,389	1.1%				293.8	1.1%				314.5	1.1%	
	2025			1,440,777	1.1%				297.0	1.1%				317.9	1.1%	
	2026			1,455,690	1.0%				300.0	1.0%				321.1	1.0%	
	2027			1,469,927	1.0%				302.9	1.0%				324.2	1.0%	
	2028			1,483,716	0.9%				305.7	0.9%				327.2	0.9%	
	2029			1,497,197	0.9%				308.5	0.9%				330.2	0.9%	
	2030			1,510,428	0.9%				311.2	0.9%				333.1	0.9%	
	2031			1,529,641	1.3%				316.0	1.5%				338.2	1.5%	
	2032			1,560,916	2.0%				322.4	2.0%				345.1	2.0%	
	2033			1,588,332	1.8%				327.6	1.6%				350.6	1.6%	
	2034			1,605,754	1.1%				330.8	1.0%				354.0	1.0%	
	2035			1,617,844	0.8%				333.2	0.7%				356.7	0.7%	
	2036			1,629,570	0.7%				335.6	0.7%				359.2	0.7%	
	2037			1,640,972	0.7%				337.9	0.7%				361.7	0.7%	
CAGR [3]	2008-2017		-0.5%		-0.6%			-2.9%		-1.5%			-0.2%		0.8%	
	2018-2027				1.2%					1.2%					1.2%	
	2028-2037				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

FMPA 2018 Load Forecast - Base Case
Ocala
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	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	2008	1,359,556	-	1,359,556	-	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%	1,336,499	3.2%	257.3	295.3	257.3	295.3	236.1	289.3	250.9	289.3
	2017	1,296,410	-3.0%	1,325,378	-0.8%	232.6	290.6	273.3	292.5	209.9	288.1	273.3	290.3
Projected	2018	1,323,136	2.1%	1,338,965	1.0%	273.7	293.4	276.9	296.4	273.0	292.2	276.9	294.1
	2019	1,343,533	1.5%	1,354,747	1.2%	277.9	297.9	280.1	299.8	277.2	296.7	280.1	297.4
	2020	1,361,771	1.4%	1,370,207	1.1%	281.6	301.8	283.3	303.2	280.8	300.6	283.3	300.8
	2021	1,378,188	1.2%	1,386,189	1.2%	284.9	305.4	286.6	306.7	284.1	304.1	286.6	304.3
	2022	1,394,105	1.2%	1,401,728	1.1%	288.2	308.9	289.8	310.1	287.4	307.6	289.8	307.7
	2023	1,409,760	1.1%	1,417,181	1.1%	291.4	312.3	293.0	313.5	290.6	311.1	293.0	311.1
	2024	1,425,389	1.1%	1,432,564	1.1%	294.6	315.8	296.1	316.9	293.8	314.5	296.1	314.5
	2025	1,440,777	1.1%	1,447,875	1.1%	297.8	319.2	299.3	320.3	297.0	317.9	299.3	317.8
	2026	1,455,690	1.0%	1,462,858	1.0%	300.8	322.4	302.4	323.6	300.0	321.1	302.4	321.1
	2027	1,469,927	1.0%	1,477,805	1.0%	303.7	325.5	305.4	326.9	302.9	324.2	305.4	324.3
	2028	1,483,716	0.9%	1,492,592	1.0%	306.6	328.6	308.5	330.2	305.7	327.2	308.5	327.6
	2029	1,497,197	0.9%	1,507,334	1.0%	309.3	331.5	311.5	333.4	308.5	330.2	311.5	330.8
	2030	1,510,428	0.9%	1,521,866	1.0%	312.0	334.4	314.5	336.6	311.2	333.1	314.5	334.0
	2031	1,529,641	1.3%	1,536,344	1.0%	316.8	339.6	317.5	339.8	316.0	338.2	317.5	337.1
	2032	1,560,916	2.0%	1,550,710	0.9%	323.3	346.5	320.5	343.0	322.4	345.1	320.5	340.3
	2033	1,588,332	1.8%	1,564,891	0.9%	328.5	352.0	323.4	346.1	327.6	350.6	323.4	343.4
	2034	1,605,754	1.1%	1,578,797	0.9%	331.7	355.5	326.2	349.1	330.8	354.0	326.2	346.4
	2035	1,617,844	0.8%	1,592,694	0.9%	334.1	358.1	329.1	352.2	333.2	356.7	329.1	349.5
	2036	1,629,570	0.7%	1,606,682	0.9%	336.5	360.7	332.0	355.3	335.6	359.2	332.0	352.5
	2037	1,640,972	0.7%			338.9	363.2			337.9	361.7		
CAGR [1]	Historical		-0.5%		-0.2%	-1.8%	-0.1%	-0.8%	0.1%	-3.7%	-0.3%	-1.7%	-0.3%
	1st 10 Prj Yrs		1.2%		1.1%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%	1.1%	1.1%
	2nd 10 Prj Yrs		1.1%		0.9%	1.1%	1.1%	0.9%	0.9%	1.1%	1.1%	0.9%	0.9%

[1]   CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	106,466	89,680	93,580	1,328,026	1,336,499
	2017	96,001	82,937	95,512	101,927	120,446	120,586	132,703	139,159	117,414	104,651	94,503	105,228	1,311,066	1,296,410
Projected	2018	103,421	91,386	97,722	100,605	113,555	125,013	131,321	137,925	117,807	105,472	96,856	106,570	1,327,654	1,323,136
	2019	105,102	93,071	98,698	102,549	115,537	126,600	133,489	140,194	119,394	107,129	98,326	107,957	1,348,065	1,343,533
	2020	106,769	94,444	100,045	103,931	116,994	128,141	135,223	141,946	120,847	108,500	99,528	109,269	1,365,637	1,361,771
	2021	108,079	95,574	101,240	105,198	118,388	129,663	136,850	143,624	122,273	109,793	100,706	110,549	1,381,939	1,378,188
	2022	109,330	96,677	102,413	106,424	119,754	131,144	138,405	145,251	123,658	111,043	101,856	111,794	1,397,749	1,394,105
	2023	110,542	97,758	103,566	107,630	121,107	132,611	139,945	146,871	125,037	112,288	103,007	113,039	1,413,401	1,409,760
	2024	111,754	98,839	104,719	108,836	122,460	134,074	141,481	148,484	126,408	113,525	104,146	114,268	1,428,994	1,425,389
	2025	112,951	99,905	105,853	110,021	123,787	135,512	142,989	150,068	127,752	114,736	105,261	115,474	1,444,309	1,440,777
	2026	114,122	100,944	106,955	111,169	125,071	136,898	144,438	151,586	129,037	115,891	106,322	116,616	1,459,048	1,455,690
	2027	115,233	101,932	108,005	112,264	126,297	138,224	145,827	153,043	130,274	117,004	107,345	117,720	1,473,167	1,469,927
Projected	2028	116,308	102,888	109,020	113,324	127,485	139,511	147,176	154,460	131,476	118,086	108,342	118,798	1,486,873	1,483,716
	2029	117,359	103,822	110,013	114,361	128,647	140,770	148,497	155,847	132,655	119,149	109,321	119,855	1,500,296	1,497,197
	2030	118,389	104,739	110,988	115,380	129,790	142,007	149,792	157,208	133,811	120,191	110,281	120,891	1,513,467	1,510,428
	2031	119,515	105,848	112,283	116,853	131,577	144,083	152,125	159,821	136,173	122,455	112,503	123,442	1,536,678	1,529,641
	2032	121,999	108,054	114,627	119,294	134,310	147,031	155,216	163,061	138,924	124,933	114,781	125,905	1,568,134	1,560,916
	2033	124,344	110,078	116,708	121,387	136,582	149,444	157,675	165,544	140,951	126,652	116,252	127,470	1,593,087	1,588,332
	2034	125,893	111,370	118,010	122,683	137,994	150,956	159,204	167,077	142,193	127,713	117,181	128,424	1,608,699	1,605,754
	2035	126,817	112,196	118,890	123,606	139,028	152,071	160,373	168,307	143,238	128,658	118,056	129,366	1,620,607	1,617,844
	2036	127,728	113,010	119,757	124,512	140,042	153,163	161,515	169,506	144,256	129,577	118,904	130,277	1,632,247	1,629,570
	2037	128,611	113,799	120,598	125,393	141,028	154,227	162,630	170,678	145,251	130,475	119,733	131,169	1,643,591	1,640,972

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.6%	7.0%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.8%	7.0%	100.0%
	2017	7.3%	6.3%	7.3%	7.8%	9.2%	9.2%	10.1%	10.6%	9.0%	8.0%	7.2%	8.0%	100.0%
Projected	2018	7.8%	6.9%	7.4%	7.6%	8.6%	9.4%	9.9%	10.4%	8.9%	7.9%	7.3%	8.0%	100.0%
	2019	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.9%	7.9%	7.3%	8.0%	100.0%
	2020	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2021	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2022	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2023	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2024	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2025	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2026	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
	2027	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	7.0%	7.5%	100.0%
	2018-2027	7.8%	6.9%	7.3%	7.6%	8.6%	9.4%	9.9%	10.4%	8.8%	7.9%	7.3%	8.0%	100.0%

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FMPA 2018 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	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	232.8	195.6	184.0	257.3	295.3
	2017	232.6	190.6	209.9	256.2	268.5	276.4	282.0	290.6	269.5	242.2	204.6	194.0	232.6	290.6
Projected	2018	273.7	250.4	221.1	225.5	260.9	286.4	281.4	293.4	270.9	244.5	207.8	196.9	273.7	293.4
	2019	277.9	254.3	224.5	229.0	264.9	290.8	285.7	297.9	275.1	248.3	210.5	199.5	277.9	297.9
	2020	281.6	257.6	227.5	232.0	268.4	294.6	289.5	301.8	278.7	251.5	213.0	201.9	281.6	301.8
	2021	284.9	260.7	230.2	234.7	271.6	298.1	292.9	305.4	282.0	254.5	215.4	204.2	284.9	305.4
	2022	288.2	263.6	232.8	237.4	274.7	301.5	296.3	308.9	285.3	257.5	217.8	206.5	288.2	308.9
	2023	291.4	266.6	235.4	240.1	277.8	304.9	299.6	312.3	288.4	260.3	220.2	208.8	291.4	312.3
	2024	294.6	269.5	238.0	242.7	280.8	308.3	302.9	315.8	291.6	263.2	222.6	211.0	294.6	315.8
	2025	297.8	272.4	240.6	245.3	283.8	311.6	306.1	319.2	294.8	266.0	224.9	213.2	297.8	319.2
	2026	300.8	275.2	243.0	247.8	286.7	314.8	309.3	322.4	297.8	268.7	227.1	215.2	300.8	322.4
	2027	303.7	277.9	245.4	250.2	289.5	317.8	312.3	325.5	300.6	271.3	229.2	217.2	303.7	325.5
Projected	2028	306.6	280.5	247.6	252.6	292.2	320.8	315.2	328.6	303.4	273.9	231.2	219.2	306.6	328.6
	2029	309.3	283.0	249.9	254.8	294.8	323.7	318.0	331.5	306.2	276.3	233.3	221.1	309.3	331.5
	2030	312.0	285.5	252.1	257.1	297.4	326.5	320.8	334.4	308.9	278.8	236.8	224.5	312.0	334.4
	2031	316.8	289.9	255.9	261.0	302.0	331.5	325.7	339.6	313.6	283.0	241.7	229.1	316.8	339.6
	2032	323.3	295.8	261.2	266.4	308.2	338.3	332.4	346.5	320.0	288.8	245.5	232.7	323.3	346.5
	2033	328.5	300.5	265.3	270.6	313.1	343.7	337.7	352.0	325.1	293.4	247.9	235.0	328.5	352.0
	2034	331.7	303.4	267.9	273.2	316.1	347.0	341.0	355.5	328.3	296.3	249.8	236.8	331.7	355.5
	2035	334.1	305.7	269.9	275.3	318.5	349.6	343.5	358.1	330.7	298.5	251.6	238.5	334.1	358.1
	2036	336.5	307.9	271.9	277.2	320.8	352.1	346.0	360.7	333.1	300.6	253.3	240.1	336.5	360.7
	2037	338.9	310.0	273.7	279.2	323.0	354.6	348.4	363.2	335.4	302.7	255.0	241.7	338.9	363.2

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	67.5%	58.0%	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%
	2016	53.0%	52.9%	62.2%	55.6%	66.2%	62.0%	66.8%	63.3%	66.0%	61.5%	61.6%	70.7%	58.9%	51.3%
	2017	55.5%	64.7%	61.2%	53.5%	66.7%	58.6%	65.4%	64.4%	60.5%	58.1%	62.1%	75.3%	64.4%	51.5%
Projected	2018	50.8%	54.3%	59.4%	60.0%	64.8%	58.7%	64.8%	63.2%	60.4%	58.0%	62.7%	75.2%	55.4%	51.7%
	2019	50.8%	54.5%	59.1%	60.2%	64.9%	58.5%	64.9%	63.3%	60.3%	58.0%	62.8%	75.2%	55.4%	51.7%
	2020	51.0%	52.7%	59.1%	60.2%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.8%	75.2%	55.4%	51.7%
	2021	51.0%	54.6%	59.1%	60.2%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.8%	75.2%	55.4%	51.7%
	2022	51.0%	54.6%	59.1%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.8%	75.2%	55.4%	51.7%
	2023	51.0%	54.6%	59.1%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.9%	75.2%	55.4%	51.7%
	2024	51.0%	52.7%	59.1%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.9%	75.2%	55.4%	51.7%
	2025	51.0%	54.6%	59.1%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.9%	75.2%	55.4%	51.7%
	2026	51.0%	54.6%	59.2%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.9%	75.3%	55.4%	51.7%
	2027	51.0%	54.6%	59.2%	60.3%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	63.0%	75.3%	55.4%	51.7%
Avg.	2008-2017	53.6%	54.5%	61.7%	58.7%	67.3%	59.7%	65.1%	62.9%	63.0%	59.6%	60.2%	66.0%	55.4%	51.7%
	2018-2027	50.9%	54.2%	59.2%	60.2%	64.9%	58.5%	64.9%	63.2%	60.2%	58.0%	62.8%	75.2%	55.4%	51.7%

FMPA 2018 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	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	215.9	195.4	184.0	236.1	289.3
	2017	229.4	190.0	209.9	256.2	258.7	274.8	280.4	288.1	253.9	238.2	203.0	188.5	209.9	288.1
Projected	2018	273.0	250.3	211.3	223.4	255.7	283.9	276.7	292.2	263.4	240.5	206.1	191.4	273.0	292.2
	2019	277.2	254.1	214.5	226.9	259.6	288.3	280.9	296.7	267.4	244.2	208.8	193.9	277.2	296.7
	2020	280.8	257.4	217.3	229.8	263.0	292.1	284.6	300.6	270.9	247.3	211.3	196.2	280.8	300.6
	2021	284.1	260.5	219.9	232.6	266.1	295.6	288.0	304.1	274.2	250.3	213.7	198.4	284.1	304.1
	2022	287.4	263.5	222.4	235.2	269.2	298.9	291.3	307.6	277.3	253.2	216.1	200.6	287.4	307.6
	2023	290.6	266.4	224.9	237.9	272.2	302.3	294.5	311.1	280.4	256.0	218.5	202.8	290.6	311.1
	2024	293.8	269.4	227.4	240.5	275.2	305.6	297.8	314.5	283.5	258.8	220.8	205.0	293.8	314.5
	2025	297.0	272.2	229.8	243.1	278.1	308.9	301.0	317.9	286.5	261.6	223.1	207.1	297.0	317.9
	2026	300.0	275.0	232.2	245.5	281.0	312.1	304.0	321.1	289.5	264.3	225.3	209.1	300.0	321.1
	2027	302.9	277.7	234.4	247.9	283.7	315.1	307.0	324.2	292.3	266.8	227.4	211.1	302.9	324.2
Projected	2028	305.7	280.3	236.6	250.2	286.3	318.0	309.8	327.2	295.0	269.3	229.4	213.0	305.7	327.2
	2029	308.5	282.8	238.7	252.5	288.9	320.9	312.6	330.2	297.6	271.7	231.4	214.8	308.5	330.2
	2030	311.2	285.3	240.8	254.7	291.4	323.7	315.4	333.1	300.3	274.1	235.0	218.1	311.2	333.1
	2031	316.0	289.7	244.5	258.6	295.9	328.7	320.2	338.2	304.9	278.3	239.8	222.6	316.0	338.2
	2032	322.4	295.6	249.5	263.9	302.0	335.4	326.8	345.1	311.1	284.0	243.6	226.1	322.4	345.1
	2033	327.6	300.3	253.5	268.1	306.8	340.7	332.0	350.6	316.0	288.5	246.0	228.4	327.6	350.6
	2034	330.8	303.2	256.0	270.7	309.8	344.1	335.2	354.0	319.1	291.4	247.8	230.0	330.8	354.0
	2035	333.2	305.5	257.9	272.7	312.1	346.6	337.7	356.7	321.5	293.5	249.6	231.7	333.2	356.7
	2036	335.6	307.7	259.7	274.7	314.3	349.1	340.1	359.2	323.8	295.6	251.3	233.3	335.6	359.2
	2037	337.9	309.8	261.6	276.6	316.5	351.5	342.5	361.7	326.1	297.7	253.0	234.9	337.9	361.7

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	99.9%	100.0%	91.8%	98.0%
	2017	98.6%	99.7%	100.0%	100.0%	96.3%	99.4%	99.4%	99.1%	94.2%	98.3%	99.2%	97.2%	90.3%	99.1%
Projected	2018	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2019	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2020	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2021	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2022	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2023	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2024	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2025	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2026	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2027	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%
	2008-2017	99.8%	99.5%	96.4%	98.3%	97.7%	99.6%	98.4%	99.7%	98.4%	98.3%	94.0%	96.9%	97.6%	99.4%
	2018-2027	99.7%	99.9%	95.5%	99.1%	98.0%	99.1%	98.3%	99.6%	97.2%	98.3%	99.2%	97.2%	99.7%	99.6%

FMPA 2018 Load Forecast - Base Case - Ocala

Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	GS Non-Demand Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Industrial Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	Lights Sales (MWh)	% Chg	City Sales (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	505,811		41,372		12,226		167,480		7,393		22.7		606,072		1,060		572		12,454		14,342		1,306,159		53,397	3.9%	1,359,556	
	2009	505,880	0.0%	40,119	-3.0%	12,609	3.1%	169,056	0.9%	7,188	-2.8%	23.5	3.8%	549,768	-9.3%	971	-8.4%	566	-0.9%	12,525	0.6%	14,641	2.1%	1,251,870	-4.2%	48,099	3.7%	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	4.3%	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	2.4%	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	3.7%	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	3.4%	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	3.9%	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	3.9%	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	2.8%	1,336,499	3.2%
	2017	507,466	-4.7%	41,585	1.0%	12,203	-5.6%	160,633	-4.1%	7,461	0.7%	21.5	-4.8%	556,672	-1.1%	1,041	2.4%	535	-3.4%	12,217	1.6%	24,783	-0.6%	1,261,771	-2.9%	34,639	2.7%	1,296,410	-3.0%
Projected	2018	521,078	2.7%	42,137	1.3%	12,366	1.3%	163,889	2.0%	7,612	2.0%	21.5	0.0%	556,606	0.0%	1,066	2.4%	522	-2.3%	12,217	0.0%	25,313	2.1%	1,279,103	1.4%	44,033	3.3%	1,323,136	2.1%
	2019	529,925	1.7%	42,610	1.1%	12,437	0.6%	166,420	1.5%	7,777	2.2%	21.4	-0.6%	564,620	1.4%	1,093	2.5%	517	-1.1%	12,217	0.0%	25,575	1.0%	1,298,756	1.5%	44,777	3.3%	1,343,533	1.5%
	2020	537,044	1.3%	43,057	1.0%	12,473	0.3%	168,815	1.4%	7,926	1.9%	21.3	-0.5%	572,649	1.4%	1,119	2.4%	512	-0.9%	12,217	0.0%	25,709	0.5%	1,316,434	1.4%	45,337	3.3%	1,361,771	1.4%
	2021	542,752	1.1%	43,478	1.0%	12,483	0.1%	171,441	1.6%	8,071	1.8%	21.2	-0.3%	580,061	1.3%	1,144	2.3%	507	-1.0%	12,217	0.0%	25,840	0.5%	1,332,312	1.2%	45,876	3.3%	1,378,188	1.2%
	2022	547,830	0.9%	43,869	0.9%	12,488	0.0%	174,475	1.8%	8,215	1.8%	21.2	0.0%	587,211	1.2%	1,169	2.1%	502	-0.9%	12,217	0.0%	25,966	0.5%	1,347,700	1.2%	46,405	3.3%	1,394,105	1.2%
	2023	552,661	0.9%	44,230	0.8%	12,495	0.1%	177,559	1.8%	8,360	1.8%	21.2	0.0%	594,303	1.2%	1,193	2.1%	498	-0.8%	12,217	0.0%	26,092	0.5%	1,362,833	1.1%	46,927	3.3%	1,409,760	1.1%
	2024	557,464	0.9%	44,572	0.8%	12,507	0.1%	180,633	1.7%	8,505	1.7%	21.2	0.0%	601,411	1.2%	1,217	2.0%	494	-0.8%	12,217	0.0%	26,214	0.5%	1,377,940	1.1%	47,450	3.3%	1,425,389	1.1%
	2025	562,263	0.9%	44,899	0.7%	12,523	0.1%	183,704	1.7%	8,650	1.7%	21.2	0.0%	608,296	1.1%	1,240	1.9%	491	-0.7%	12,217	0.0%	26,333	0.5%	1,392,814	1.1%	47,963	3.3%	1,440,777	1.1%
	2026	566,924	0.8%	45,209	0.7%	12,540	0.1%	186,763	1.7%	8,794	1.7%	21.2	0.0%	614,879	1.1%	1,263	1.9%	487	-0.8%	12,217	0.0%	26,448	0.4%	1,407,231	1.0%	48,459	3.3%	1,455,690	1.0%
	2027	571,343	0.8%	45,498	0.6%	12,557	0.1%	189,718	1.6%	8,934	1.6%	21.2	0.0%	621,164	1.0%	1,285	1.8%	483	-0.7%	12,217	0.0%	26,553	0.4%	1,420,994	1.0%	48,933	3.3%	1,469,927	1.0%
	2028	575,657	0.8%	45,780	0.6%	12,574	0.1%	192,629	1.5%	9,072	1.5%	21.2	0.0%	627,169	1.0%	1,306	1.7%	480	-0.7%	12,217	0.0%	26,652	0.4%	1,434,324	0.9%	49,392	3.3%	1,483,716	0.9%
	2029	579,857	0.7%	46,055	0.6%	12,591	0.1%	195,516	1.5%	9,210	1.5%	21.2	0.0%	633,017	0.9%	1,328	1.6%	477	-0.7%	12,217	0.0%	26,748	0.4%	1,447,356	0.9%	49,841	3.3%	1,497,197	0.9%
	2030	583,899	0.7%	46,320	0.6%	12,606	0.1%	198,362	1.5%	9,345	1.5%	21.2	0.0%	638,829	0.9%	1,349	1.6%	474	-0.6%	12,217	0.0%	26,839	0.3%	1,460,145	0.9%	50,282	3.3%	1,510,428	0.9%
	2031	589,902	1.0%	46,573	0.5%	12,666	0.5%	201,879	1.8%	9,475	1.4%	21.3	0.4%	647,038	1.3%	1,369	1.5%	473	-0.2%	12,217	0.0%	27,659	3.1%	1,478,695	1.3%	50,946	3.3%	1,529,641	1.3%
	2032	599,942	1.7%	46,812	0.5%	12,816	1.2%	206,915	2.5%	9,599	1.3%	21.6	1.2%	660,442	2.1%	1,388	1.4%	476	0.7%	12,217	0.0%	29,382	6.2%	1,508,899	2.0%	52,017	3.3%	1,560,916	2.0%
	2033	610,453	1.8%	47,044	0.5%	12,976	1.2%	211,289	2.1%	9,720	1.3%	21.7	0.8%	671,952	1.7%	1,407	1.3%	478	0.4%	12,217	0.0%	29,507	0.4%	1,535,418	1.8%	52,913	3.3%	1,588,332	1.8%
	2034	618,740	1.4%	47,271	0.5%	13,089	0.9%	213,932	1.3%	9,841	1.2%	21.7	0.0%	677,826	0.9%	1,425	1.3%	476	-0.4%	12,217	0.0%	29,575	0.2%	1,552,289	1.1%	53,464	3.3%	1,605,754	1.1%
	2035	622,267	0.6%	47,494	0.5%	13,102	0.1%	216,571	1.2%	9,965	1.3%	21.7	0.0%	683,286	0.8%	1,443	1.3%	473	-0.5%	12,217	0.0%	29,645	0.2%	1,563,986	0.8%	53,858	3.3%	1,617,844	0.8%
	2036	625,566	0.5%	47,712	0.5%	13,111	0.1%	219,238	1.2%	10,090	1.3%	21.7	0.0%	688,584	0.8%	1,462	1.3%	471	-0.5%	12,217	0.0%	29,714	0.2%	1,575,320	0.7%	54,250	3.3%	1,629,570	0.7%
	2037	628,822	0.5%	47,925	0.4%	13,121	0.1%	221,784	1.2%	10,210	1.2%	21.7	0.0%	693,745	0.7%	1,480	1.3%	469	-0.5%	12,217	0.0%	29,774	0.2%	1,586,342	0.7%	54,630	3.3%	1,640,972	0.7%
CAGR	2008-2017		0.0%		0.1%		0.0%		-0.5%		0.1%		-0.6%		-0.9%		-0.2%		-0.7%		-0.2%		6.3%		-0.4%		3.5%		-0.5%
	2018-2027		1.0%		0.9%		0.2%		1.6%		1.8%		-0.2%		1.2%		2.1%		-0.9%		0.0%		0.5%		1.2%		3.3%		1.2%
	2028-2037		1.0%		0.5%		0.5%		1.6%		1.3%		0.3%		1.1%		1.4%		-0.3%		0.0%		1.2%		1.1%		3.3%		1.1%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	243.3	-	99.7	-	101.6	-	10.30	-	5,609	-	6,359	-	63,806	-
1998	250.1	2.8%	103.1	3.5%	106.5	4.8%	10.60	2.9%	6,018	7.3%	6,885	8.3%	66,757	4.6%
1999	255.0	2.0%	105.6	2.4%	109.8	3.1%	10.62	0.2%	6,344	5.4%	7,171	4.2%	67,900	1.7%
2000	260.2	2.1%	107.4	1.7%	113.0	2.9%	10.74	1.1%	6,386	0.7%	7,492	4.5%	69,754	2.7%
2001	264.6	1.7%	111.2	3.5%	111.5	-1.4%	10.13	-5.7%	6,525	2.2%	7,678	2.5%	69,076	-1.0%
2002	271.7	2.7%	113.7	2.3%	114.3	2.6%	9.57	-5.5%	6,936	6.3%	7,779	1.3%	68,403	-1.0%
2003	280.1	3.1%	117.7	3.5%	119.7	4.7%	9.60	0.3%	7,369	6.3%	8,090	4.0%	68,719	0.5%
2004	291.2	4.0%	121.5	3.2%	126.1	5.3%	9.91	3.1%	7,702	4.5%	8,580	6.1%	70,642	2.8%
2005	303.6	4.3%	126.4	4.1%	134.7	6.8%	10.25	3.5%	8,401	9.1%	9,293	8.3%	73,512	4.1%
2006	316.3	4.2%	131.2	3.8%	143.3	6.4%	10.52	2.7%	9,014	7.3%	10,043	8.1%	76,540	4.1%
2007	325.6	2.9%	135.5	3.2%	146.1	2.0%	10.11	-4.0%	8,973	-0.5%	10,189	1.5%	75,209	-1.7%
2008	330.1	1.4%	136.5	0.7%	141.0	-3.5%	8.74	-13.6%	8,481	-5.5%	10,017	-1.7%	73,400	-2.4%
2009	330.9	0.3%	136.1	-0.3%	131.9	-6.5%	7.05	-19.3%	7,956	-6.2%	9,727	-2.9%	71,467	-2.6%
2010	331.4	0.2%	137.8	1.2%	128.6	-2.5%	6.80	-3.6%	7,770	-2.3%	9,873	1.5%	71,654	0.3%
2011	332.3	0.3%	139.2	1.0%	129.8	1.0%	6.85	0.8%	7,522	-3.2%	10,122	2.5%	72,717	1.5%
2012	334.1	0.5%	141.0	1.3%	131.9	1.6%	7.21	5.2%	7,591	0.9%	10,024	-1.0%	71,096	-2.2%
2013	335.7	0.5%	142.8	1.3%	134.5	2.0%	7.51	4.1%	7,675	1.1%	9,819	-2.0%	68,752	-3.3%
2014	338.7	0.9%	144.1	0.9%	138.5	2.9%	7.80	3.9%	7,760	1.1%	10,149	3.4%	70,416	2.4%
2015	343.3	1.3%	145.9	1.3%	141.6	2.3%	8.17	4.7%	7,974	2.7%	10,592	4.4%	72,582	3.1%
2016	347.1	1.1%	148.7	1.9%	144.1	1.8%	8.31	1.7%	8,151	2.2%	10,998	3.8%	73,975	1.9%
2017	352.6	1.6%	151.8	2.1%	147.4	2.3%	8.42	1.4%	8,363	2.6%	11,400	3.7%	75,081	1.5%
2018	358.2	1.6%	154.8	2.0%	150.4	2.0%	8.51	1.1%	8,568	2.4%	11,815	3.6%	76,321	1.7%
2019	363.8	1.6%	157.6	1.8%	153.3	1.9%	8.59	0.9%	8,764	2.3%	12,243	3.6%	77,659	1.8%
2020	369.5	1.6%	160.4	1.8%	156.1	1.8%	8.65	0.8%	8,959	2.2%	12,686	3.6%	79,079	1.8%
2021	375.0	1.5%	163.0	1.6%	158.8	1.7%	8.71	0.7%	9,147	2.1%	13,127	3.5%	80,515	1.8%
2022	380.5	1.5%	165.5	1.5%	161.7	1.8%	8.76	0.5%	9,336	2.1%	13,584	3.5%	82,092	2.0%
2023	386.1	1.5%	167.8	1.4%	164.5	1.7%	8.80	0.5%	9,525	2.0%	14,049	3.4%	83,719	2.0%
2024	391.7	1.5%	170.1	1.4%	167.1	1.6%	8.83	0.4%	9,712	2.0%	14,517	3.3%	85,350	1.9%
2025	397.4	1.4%	172.3	1.3%	169.7	1.6%	8.86	0.3%	9,898	1.9%	15,001	3.3%	87,052	2.0%
2026	402.8	1.3%	174.4	1.2%	172.2	1.4%	8.88	0.2%	10,076	1.8%	15,472	3.1%	88,726	1.9%
2027	408.1	1.3%	176.4	1.2%	174.6	1.4%	8.90	0.2%	10,254	1.8%	15,943	3.0%	90,368	1.9%
2028	413.6	1.3%	178.4	1.1%	177.0	1.4%	8.91	0.1%	10,432	1.7%	16,417	3.0%	92,000	1.8%
2029	419.0	1.3%	180.4	1.1%	179.4	1.4%	8.92	0.1%	10,610	1.7%	16,895	2.9%	93,636	1.8%
2030	424.5	1.3%	182.4	1.1%	181.8	1.3%	8.93	0.1%	10,787	1.7%	17,367	2.8%	95,232	1.7%
2031	429.8	1.2%	184.2	1.0%	184.2	1.3%	8.94	0.1%	10,958	1.6%	17,813	2.6%	96,709	1.6%
2032	435.0	1.2%	186.0	1.0%	186.6	1.3%	8.94	0.0%	11,128	1.6%	18,255	2.5%	98,157	1.5%
2033	440.3	1.2%	187.7	0.9%	188.9	1.2%	8.95	0.0%	11,298	1.5%	18,699	2.4%	99,602	1.5%
2034	445.5	1.2%	189.5	0.9%	191.1	1.2%	8.95	0.0%	11,466	1.5%	19,154	2.4%	101,079	1.5%
2035	450.7	1.2%	191.2	0.9%	193.3	1.2%	8.95	0.0%	11,633	1.5%	19,632	2.5%	102,662	1.6%
2036	455.7	1.1%	192.9	0.9%	195.4	1.1%	8.95	0.0%	11,794	1.4%	20,097	2.4%	104,184	1.5%
2037	460.7	1.1%	194.7	0.9%	197.5	1.1%	8.95	0.0%	11,954	1.4%	20,542	2.2%	105,518	1.3%
Average Percent Change														
2007-2017		0.8%		1.1%		0.1%		-1.8%		-0.7%		1.1%		0.0%
2018-2027		1.5%		1.5%		1.7%		0.5%		2.0%		3.4%		1.9%
2028-2037		1.2%		1.0%		1.2%		0.1%		1.5%		2.6%		1.6%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Gainesville Airport

FMPA 2018 Load Forecast - Base Case
Starke
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY) Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Coincident Peak Demand w/ARP Seasonal CP [1,2] Winter Demand (prior Nov - current Mar) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Summer Demand (Apr-Oct) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2008	76,955	-	77,534	-	0.8%	15.7	-	15.5	-	-1.3%	16.8	-	16.7		-0.2%
	2009	75,961	-1.3%	75,659	-2.4%	-0.4%	16.4	4.6%	16.1	4.1%	-1.9%	16.1	-3.8%	16.8	0.3%	4.0%
	2010	78,225	3.0%	73,629	-2.7%	-5.9%	18.3	11.6%	16.4	1.8%	-10.5%	16.0	-1.1%	15.5	-7.7%	-2.9%
	2011	75,725	-3.2%	72,001	-2.2%	-4.9%	16.1	-12.1%	16.7	1.8%	3.6%	13.0	-18.7%	11.9	-22.9%	-7.9%
	2012	69,269	-8.5%	69,568	-3.4%	0.4%	15.1	-5.9%	14.5	-13.1%	-4.3%	14.7	13.1%	13.5	13.2%	-7.9%
	2013	68,678	-0.9%	68,550	-1.5%	-0.2%	12.7	-16.2%	13.6	-6.3%	6.9%	15.1	2.7%	15.5	14.6%	2.8%
	2014	69,954	1.9%	69,786	1.8%	-0.2%	13.7	7.9%	15.0	10.2%	9.2%	15.2	1.1%	15.7	1.1%	2.8%
	2015	71,692	2.5%	69,784	0.0%	-2.7%	15.2	10.7%	15.9	6.6%	5.2%	15.6	2.0%	16.6	6.0%	6.8%
	2016	73,334	2.3%	70,850	1.5%	-3.4%	12.5	-17.9%	15.2	-4.7%	22.0%	15.5	-0.5%	15.6	-6.3%	0.6%
	2017	70,003	-4.5%	70,226	-0.9%	0.3%	11.4	-8.4%	14.2	-6.6%	24.4%	14.1	-8.9%	15.2	-2.1%	8.1%
Projected	2018	72,422	3.5%	72,422	3.1%		14.9	30.8%	14.9	5.1%		15.4	9.1%	15.4	1.0%	
	2019			72,782	0.5%				15.0	0.5%				15.5	0.5%	
	2020			73,107	0.4%				15.1	0.5%				15.6	0.5%	
	2021			73,571	0.6%				15.2	0.7%				15.7	0.7%	
	2022			74,105	0.7%				15.3	0.7%				15.8	0.7%	
	2023			74,638	0.7%				15.4	0.7%				15.9	0.7%	
	2024			75,203	0.8%				15.5	0.8%				16.0	0.8%	
	2025			75,750	0.7%				15.6	0.7%				16.1	0.7%	
	2026			76,272	0.7%				15.7	0.7%				16.2	0.7%	
	2027			76,779	0.7%				15.8	0.7%				16.3	0.7%	
	2028			77,272	0.6%				15.9	0.6%				16.4	0.6%	
	2029			77,756	0.6%				16.0	0.6%				16.5	0.6%	
	2030			78,240	0.6%				16.1	0.6%				16.6	0.6%	
	2031			78,705	0.6%				16.2	0.6%				16.7	0.6%	
	2032			79,135	0.5%				16.3	0.5%				16.8	0.5%	
	2033			79,566	0.5%				16.4	0.5%				16.9	0.5%	
	2034			79,987	0.5%				16.5	0.5%				17.0	0.5%	
	2035			80,422	0.5%				16.6	0.5%				17.1	0.5%	
	2036			80,868	0.6%				16.7	0.6%				17.2	0.6%	
	2037			81,314	0.6%				16.8	0.5%				17.3	0.5%	
CAGR [3]	2008-2017		-1.0%		-1.1%			-3.5%		-0.9%			-1.9%		-1.0%	
	2018-2027				0.7%					0.7%					0.7%	
	2028-2037				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 2018 Load Forecast - Base Case
Starke
2018 v. 2017 (Base Case) Forecast Results Comparison

	Year	Net Energy for Load (FY) Current (MWh)	Current Yearly % Change	Previous (MWh)	Previous Yearly % Change	NCP Demand Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)	CP w/ARP Seasonal CP Current Winter (MW)	Current Summer (MW)	Previous Winter (MW)	Previous Summer (MW)
Historical	2008	76,955	-	76,955	-	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%	73,334	2.3%	14.5	15.6	14.5	15.6	12.5	15.5	14.0	15.5
	2017	70,003	-4.5%	72,368	-1.3%	14.4	15.3	15.2	15.7	11.4	14.1	14.9	15.4
Projected	2018	72,422	3.5%	72,914	0.8%	15.4	15.7	15.4	15.8	14.9	15.4	15.0	15.5
	2019	72,782	0.5%	73,487	0.8%	15.5	15.8	15.5	15.9	15.0	15.5	15.1	15.6
	2020	73,107	0.4%	74,026	0.7%	15.6	15.8	15.6	16.1	15.1	15.6	15.2	15.7
	2021	73,571	0.6%	74,556	0.7%	15.7	15.9	15.7	16.2	15.2	15.7	15.3	15.9
	2022	74,105	0.7%	75,115	0.7%	15.8	16.1	15.8	16.3	15.3	15.8	15.5	16.0
	2023	74,638	0.7%	75,721	0.8%	15.9	16.2	16.0	16.4	15.4	15.9	15.6	16.1
	2024	75,203	0.8%	76,321	0.8%	16.0	16.3	16.1	16.5	15.5	16.0	15.7	16.2
	2025	75,750	0.7%	76,896	0.8%	16.1	16.4	16.2	16.7	15.6	16.1	15.8	16.4
	2026	76,272	0.7%	77,496	0.8%	16.2	16.5	16.3	16.8	15.7	16.2	15.9	16.5
	2027	76,779	0.7%	78,097	0.8%	16.4	16.6	16.5	16.9	15.8	16.3	16.1	16.6
	2028	77,272	0.6%	78,741	0.8%	16.5	16.7	16.6	17.1	15.9	16.4	16.2	16.8
	2029	77,756	0.6%	79,361	0.8%	16.6	16.8	16.7	17.2	16.0	16.5	16.3	16.9
	2030	78,240	0.6%	79,900	0.7%	16.7	17.0	16.8	17.3	16.1	16.6	16.4	17.0
	2031	78,705	0.6%	80,418	0.6%	16.8	17.1	16.9	17.4	16.2	16.7	16.5	17.1
	2032	79,135	0.5%	80,940	0.6%	16.8	17.1	17.1	17.5	16.3	16.8	16.7	17.2
	2033	79,566	0.5%	81,447	0.6%	16.9	17.2	17.2	17.7	16.4	16.9	16.8	17.3
	2034	79,987	0.5%	81,928	0.6%	17.0	17.3	17.3	17.8	16.5	17.0	16.9	17.4
	2035	80,422	0.5%	82,432	0.6%	17.1	17.4	17.4	17.9	16.6	17.1	17.0	17.5
	2036	80,868	0.6%	82,970	0.7%	17.2	17.5	17.5	18.0	16.7	17.2	17.1	17.6
	2037	81,314	0.6%			17.3	17.6			16.8	17.3		
CAGR [1]	Historical		-1.0%		-0.6%	-1.0%	-1.0%	-1.0%	-0.9%	-4.4%	-1.7%	-2.2%	-0.6%
	1st 10 Prj Yrs		0.7%		0.8%	0.7%	0.7%	0.8%	0.8%	0.7%	0.7%	0.8%	0.8%
	2nd 10 Prj Yrs		0.6%		0.7%	0.6%	0.6%	0.7%	0.7%	0.6%	0.6%	0.7%	0.7%

[1]   CAGR - Compound Annual Growth Rate

FMPA 2018 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	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	5,591	4,878	5,173	72,683	73,334
	2017	5,333	4,520	5,235	5,463	6,392	6,510	7,282	7,424	6,200	5,813	5,219	5,686	71,079	70,003
Projected	2018	5,902	5,053	5,247	5,211	6,151	6,796	7,381	7,308	6,655	5,762	5,281	5,721	72,468	72,422
	2019	5,944	5,085	5,280	5,241	6,185	6,831	7,418	7,344	6,690	5,793	5,306	5,745	72,862	72,782
	2020	5,967	5,105	5,303	5,265	6,214	6,862	7,451	7,376	6,720	5,821	5,335	5,776	73,195	73,107
	2021	6,000	5,135	5,337	5,301	6,256	6,909	7,502	7,429	6,770	5,865	5,375	5,819	73,698	73,571
	2022	6,044	5,173	5,376	5,340	6,302	6,959	7,556	7,481	6,818	5,907	5,414	5,860	74,226	74,105
	2023	6,085	5,209	5,414	5,379	6,348	7,009	7,610	7,535	6,868	5,952	5,455	5,904	74,768	74,638
	2024	6,131	5,248	5,456	5,420	6,396	7,063	7,668	7,592	6,920	5,996	5,496	5,947	75,332	75,203
	2025	6,175	5,286	5,496	5,460	6,443	7,114	7,722	7,646	6,969	6,039	5,535	5,989	75,874	75,750
	2026	6,218	5,322	5,534	5,498	6,488	7,162	7,774	7,697	7,016	6,080	5,573	6,029	76,391	76,272
	2027	6,258	5,357	5,571	5,535	6,531	7,210	7,825	7,747	7,062	6,120	5,609	6,068	76,895	76,779
Projected	2028	6,298	5,391	5,607	5,571	6,573	7,256	7,875	7,796	7,107	6,160	5,645	6,106	77,385	77,272
	2029	6,337	5,425	5,642	5,607	6,615	7,301	7,923	7,844	7,151	6,199	5,681	6,143	77,868	77,756
	2030	6,375	5,458	5,678	5,642	6,657	7,347	7,972	7,892	7,196	6,237	5,717	6,181	78,352	78,240
	2031	6,413	5,491	5,712	5,676	6,696	7,390	8,018	7,937	7,236	6,272	5,749	6,214	78,805	78,705
	2032	6,448	5,520	5,743	5,708	6,733	7,430	8,062	7,980	7,276	6,308	5,781	6,249	79,237	79,135
	2033	6,482	5,550	5,775	5,739	6,770	7,470	8,105	8,022	7,315	6,341	5,812	6,281	79,663	79,566
	2034	6,516	5,579	5,805	5,770	6,807	7,510	8,147	8,065	7,354	6,376	5,844	6,315	80,086	79,987
	2035	6,550	5,608	5,837	5,802	6,844	7,551	8,192	8,108	7,395	6,411	5,876	6,350	80,525	80,422
	2036	6,585	5,639	5,870	5,835	6,883	7,593	8,237	8,153	7,436	6,448	5,910	6,385	80,973	80,868
	2037	6,621	5,670	5,902	5,867	6,921	7,635	8,281	8,197	7,476	6,483	5,942	6,419	81,416	81,314

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	8.2%	7.3%	7.1%	7.0%	8.5%	9.8%	10.7%	10.5%	9.3%	7.7%	6.7%	7.1%	100.0%
	2017	7.5%	6.4%	7.4%	7.7%	9.0%	9.2%	10.2%	10.4%	8.7%	8.2%	7.3%	8.0%	100.0%
Projected	2018	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2019	8.2%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2020	8.2%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2021	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2022	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2023	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2024	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2025	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2026	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
	2027	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%
Avg.	2008-2017	8.2%	7.1%	7.3%	7.3%	8.7%	9.5%	10.1%	10.2%	9.1%	7.8%	7.0%	7.7%	100.0%
	2018-2027	8.1%	7.0%	7.2%	7.2%	8.5%	9.4%	10.2%	10.1%	9.2%	8.0%	7.3%	7.9%	100.0%

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

FMPA 2018 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	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	12.2	10.3	10.9	14.5	15.6
	2017	14.4	10.4	13.2	13.5	14.2	14.3	14.7	15.3	13.9	12.2	10.6	12.8	14.4	15.3
Projected	2018	15.4	14.2	11.9	12.2	13.7	14.9	15.2	15.7	14.4	12.5	10.7	12.8	15.4	15.7
	2019	15.5	14.3	12.0	12.2	13.8	15.0	15.3	15.8	14.5	12.6	10.7	12.9	15.5	15.8
	2020	15.6	14.3	12.0	12.3	13.8	15.1	15.3	15.8	14.6	12.6	10.8	13.0	15.6	15.8
	2021	15.7	14.4	12.1	12.4	13.9	15.2	15.4	15.9	14.7	12.7	10.9	13.1	15.7	15.9
	2022	15.8	14.5	12.2	12.4	14.0	15.3	15.5	16.1	14.8	12.8	11.0	13.2	15.8	16.1
	2023	15.9	14.6	12.3	12.5	14.1	15.4	15.7	16.2	14.9	12.9	11.1	13.3	15.9	16.2
	2024	16.0	14.7	12.4	12.6	14.3	15.5	15.8	16.3	15.0	13.0	11.1	13.4	16.0	16.3
	2025	16.1	14.9	12.4	12.7	14.4	15.6	15.9	16.4	15.1	13.1	11.2	13.4	16.1	16.4
	2026	16.2	15.0	12.5	12.8	14.5	15.8	16.0	16.5	15.2	13.2	11.3	13.5	16.2	16.5
	2027	16.4	15.1	12.6	12.9	14.5	15.9	16.1	16.6	15.3	13.3	11.4	13.6	16.4	16.6
Projected	2028	16.5	15.1	12.7	13.0	14.6	16.0	16.2	16.7	15.4	13.3	11.4	13.7	16.5	16.7
	2029	16.6	15.2	12.8	13.1	14.7	16.1	16.3	16.8	15.5	13.4	11.5	13.8	16.6	16.8
	2030	16.7	15.3	12.9	13.1	14.8	16.2	16.4	17.0	15.6	13.5	11.6	13.9	16.7	17.0
	2031	16.8	15.4	12.9	13.2	14.9	16.3	16.5	17.1	15.7	13.6	11.6	13.9	16.8	17.1
	2032	16.8	15.5	13.0	13.3	15.0	16.3	16.6	17.1	15.8	13.7	11.7	14.0	16.8	17.1
	2033	16.9	15.6	13.1	13.4	15.1	16.4	16.7	17.2	15.8	13.7	11.8	14.1	16.9	17.2
	2034	17.0	15.7	13.1	13.4	15.1	16.5	16.8	17.3	15.9	13.8	11.8	14.2	17.0	17.3
	2035	17.1	15.8	13.2	13.5	15.2	16.6	16.9	17.4	16.0	13.9	11.9	14.3	17.1	17.4
	2036	17.2	15.8	13.3	13.6	15.3	16.7	17.0	17.5	16.1	14.0	12.0	14.3	17.2	17.5
	2037	17.3	15.9	13.4	13.7	15.4	16.8	17.0	17.6	16.2	14.0	12.0	14.4	17.3	17.6

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	67.1%	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%	61.7%	63.6%	66.1%	57.2%	53.1%
	2017	49.9%	64.9%	53.4%	54.4%	66.8%	61.0%	68.7%	65.3%	61.8%	64.2%	65.9%	61.9%	56.5%	53.1%
Projected	2018	51.5%	53.0%	59.3%	57.6%	66.8%	61.1%	67.6%	62.6%	64.1%	62.0%	66.4%	62.0%	53.7%	52.8%
	2019	51.6%	53.1%	59.4%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.4%	61.9%	53.7%	52.8%
	2020	51.5%	51.2%	59.4%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.8%	53.7%	52.8%
	2021	51.5%	53.0%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.9%	53.7%	52.8%
	2022	51.5%	53.0%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.8%	53.7%	52.8%
	2023	51.4%	53.0%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.8%	53.7%	52.8%
	2024	51.4%	51.1%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.9%	53.7%	52.8%
	2025	51.4%	53.0%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.9%	53.7%	52.8%
	2026	51.4%	53.0%	59.4%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.4%	61.9%	53.7%	52.8%
	2027	51.4%	53.0%	59.4%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.4%	61.9%	53.7%	52.8%
Avg.	2008-2017	53.4%	55.5%	62.3%	59.6%	67.9%	61.3%	67.3%	64.5%	64.0%	60.3%	60.5%	64.1%	53.7%	52.8%
	2018-2027	51.5%	52.6%	59.3%	57.7%	66.8%	61.1%	67.5%	62.6%	64.1%	62.0%	66.3%	61.9%	53.7%	52.8%

FMPA 2018 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	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	10.2	10.3	9.3	12.5	15.5
	2017	13.8	10.4	11.4	13.5	14.2	14.0	14.6	14.1	11.0	11.5	10.3	11.7	11.4	14.1
Projected	2018	14.9	14.1	11.2	12.0	13.5	14.6	14.7	15.4	13.6	11.8	10.4	11.8	14.9	15.4
	2019	15.0	14.2	11.3	12.1	13.6	14.6	14.7	15.5	13.6	11.9	10.4	11.8	15.0	15.5
	2020	15.1	14.3	11.3	12.1	13.6	14.7	14.8	15.6	13.7	11.9	10.5	11.9	15.1	15.6
	2021	15.2	14.3	11.4	12.2	13.7	14.8	14.9	15.7	13.8	12.0	10.6	12.0	15.2	15.7
	2022	15.3	14.5	11.5	12.3	13.8	14.9	15.0	15.8	13.9	12.1	10.6	12.1	15.3	15.8
	2023	15.4	14.6	11.6	12.4	13.9	15.0	15.1	15.9	14.0	12.2	10.7	12.2	15.4	15.9
	2024	15.5	14.7	11.6	12.5	14.0	15.1	15.2	16.0	14.1	12.3	10.8	12.3	15.5	16.0
	2025	15.6	14.8	11.7	12.6	14.1	15.2	15.3	16.1	14.2	12.3	10.9	12.4	15.6	16.1
	2026	15.7	14.9	11.8	12.6	14.2	15.3	15.5	16.2	14.3	12.4	10.9	12.4	15.7	16.2
	2027	15.8	15.0	11.9	12.7	14.3	15.4	15.6	16.3	14.4	12.5	11.0	12.5	15.8	16.3
Projected	2028	15.9	15.1	12.0	12.8	14.4	15.5	15.7	16.4	14.5	12.6	11.1	12.6	15.9	16.4
	2029	16.0	15.2	12.0	12.9	14.5	15.6	15.8	16.5	14.6	12.7	11.1	12.7	16.0	16.5
	2030	16.1	15.3	12.1	13.0	14.6	15.7	15.8	16.6	14.7	12.7	11.2	12.8	16.1	16.6
	2031	16.2	15.3	12.2	13.0	14.7	15.8	15.9	16.7	14.7	12.8	11.3	12.8	16.2	16.7
	2032	16.3	15.4	12.2	13.1	14.8	15.9	16.0	16.8	14.8	12.9	11.3	12.9	16.3	16.8
	2033	16.4	15.5	12.3	13.2	14.8	16.0	16.1	16.9	14.9	13.0	11.4	13.0	16.4	16.9
	2034	16.5	15.6	12.4	13.3	14.9	16.1	16.2	17.0	15.0	13.0	11.4	13.0	16.5	17.0
	2035	16.6	15.7	12.4	13.3	15.0	16.2	16.3	17.1	15.1	13.1	11.5	13.1	16.6	17.1
	2036	16.7	15.8	12.5	13.4	15.1	16.3	16.4	17.2	15.1	13.2	11.6	13.2	16.7	17.2
	2037	16.8	15.9	12.6	13.5	15.2	16.3	16.5	17.3	15.2	13.2	11.6	13.2	16.8	17.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	96.8%	100.0%	100.0%	99.5%	99.6%	99.0%	99.7%	99.9%	96.7%	83.4%	99.7%	86.0%	85.9%	99.1%
	2017	95.8%	100.0%	86.5%	100.0%	99.7%	97.5%	98.9%	92.4%	79.2%	94.3%	96.8%	92.0%	79.4%	92.4%
Projected	2018	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2019	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2020	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2021	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2022	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2023	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2024	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2025	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2026	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2027	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%
	2008-2017	97.7%	98.6%	94.0%	99.1%	97.9%	97.9%	97.1%	95.8%	95.4%	96.6%	90.3%	93.2%	94.2%	96.5%
	2018-2027	96.8%	99.5%	94.2%	98.7%	98.5%	97.4%	96.6%	98.2%	94.0%	94.3%	96.8%	92.0%	96.8%	98.2%

FMPA 2018 Load Forecast - Base Case - Starke
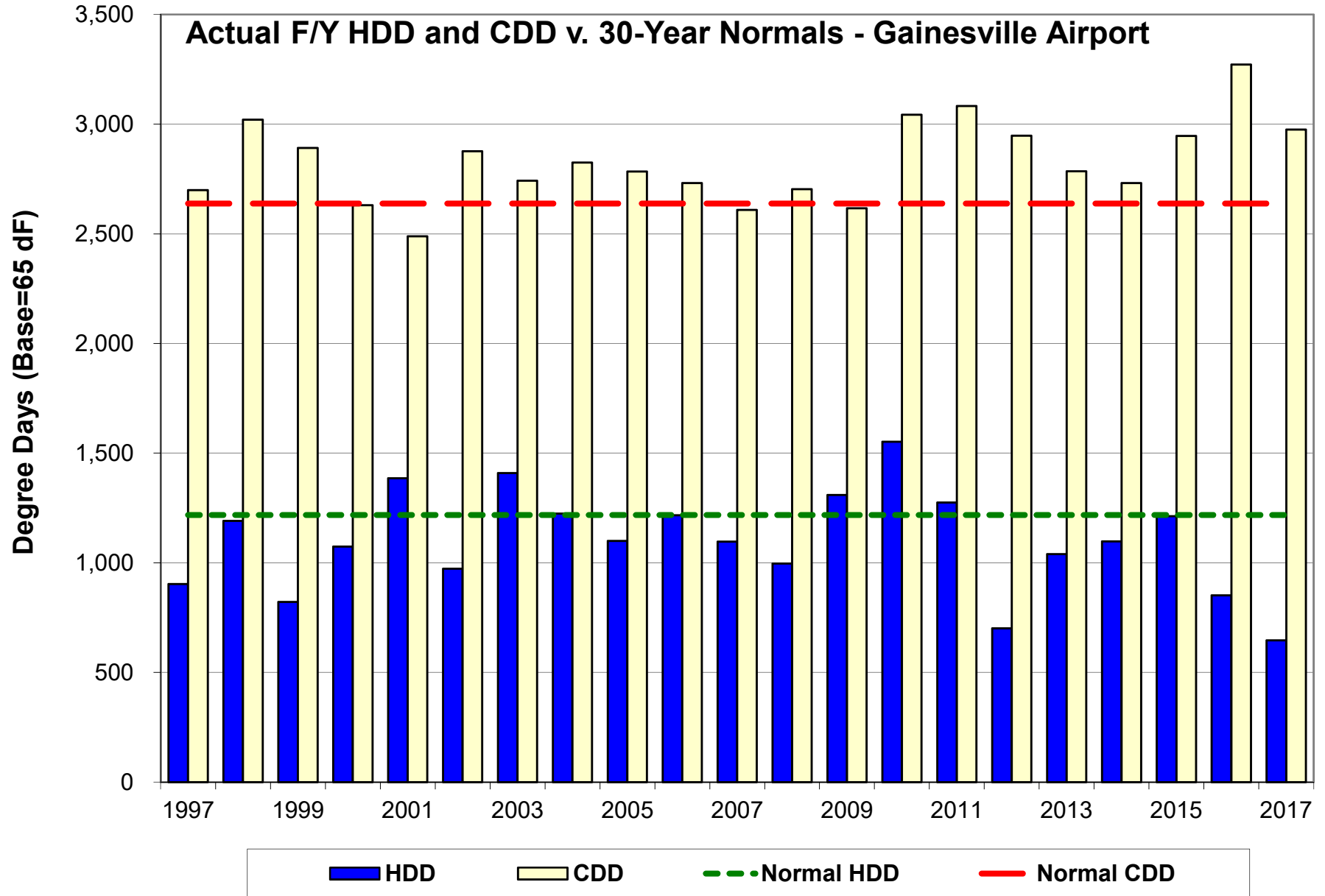
Historical and Projected - Energy Sales by Customer Class
(Fiscal Year 2008-2037)

	Fiscal Year	Residential Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (kWh)	% Chg	General Service Sales (MWh)	% Chg	Avg. Cust. (#)	% Chg	Sales/ Cust. (MWh)	% Chg	TOTAL SALES (MWh)	% Chg	DISTR. LOSSES (MWh)	(%)	TOTAL NEL (MWh)	% Chg
Historical	2008	24,341		2,041		11,924		43,787		748		58.5		68,128		8,827	11.5%	76,955	
	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	13.7%	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	8.1%	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	6.3%	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	5.9%	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	5.7%	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	5.4%	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	6.1%	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	5.8%	73,334	2.3%
	2017	22,850	-5.1%	2,053	0.6%	11,131	-5.7%	43,268	-3.9%	746	1.5%	58.0	-5.3%	66,118	-4.3%	3,885	5.5%	70,003	-4.5%
Projected	2018	23,930	4.7%	2,049	-0.2%	11,681	4.9%	44,411	2.6%	752	0.8%	59.1	1.9%	68,341	3.4%	4,081	5.6%	72,422	3.5%
	2019	24,002	0.3%	2,045	-0.2%	11,738	0.5%	44,685	0.6%	765	1.8%	58.4	-1.2%	68,688	0.5%	4,094	5.6%	72,782	0.5%
	2020	23,978	-0.1%	2,045	0.0%	11,728	-0.1%	45,016	0.7%	778	1.6%	57.9	-0.9%	68,994	0.4%	4,112	5.6%	73,107	0.4%
	2021	24,062	0.4%	2,044	0.0%	11,770	0.4%	45,370	0.8%	789	1.4%	57.5	-0.6%	69,432	0.6%	4,139	5.6%	73,571	0.6%
	2022	24,180	0.5%	2,044	0.0%	11,827	0.5%	45,756	0.9%	799	1.2%	57.3	-0.4%	69,936	0.7%	4,169	5.6%	74,105	0.7%
	2023	24,293	0.5%	2,044	0.0%	11,882	0.5%	46,146	0.9%	808	1.2%	57.1	-0.3%	70,439	0.7%	4,199	5.6%	74,638	0.7%
	2024	24,434	0.6%	2,044	0.0%	11,951	0.6%	46,538	0.8%	817	1.2%	56.9	-0.3%	70,972	0.8%	4,231	5.6%	75,203	0.8%
	2025	24,577	0.6%	2,044	0.0%	12,021	0.6%	46,911	0.8%	826	1.1%	56.8	-0.3%	71,489	0.7%	4,262	5.6%	75,750	0.7%
	2026	24,702	0.5%	2,044	0.0%	12,082	0.5%	47,279	0.8%	835	1.1%	56.6	-0.3%	71,981	0.7%	4,291	5.6%	76,272	0.7%
	2027	24,816	0.5%	2,044	0.0%	12,138	0.5%	47,643	0.8%	844	1.0%	56.5	-0.3%	72,459	0.7%	4,320	5.6%	76,779	0.7%
	2028	24,922	0.4%	2,044	0.0%	12,190	0.4%	48,002	0.8%	852	1.0%	56.3	-0.3%	72,924	0.6%	4,347	5.6%	77,272	0.6%
	2029	25,023	0.4%	2,044	0.0%	12,240	0.4%	48,358	0.7%	861	1.0%	56.2	-0.3%	73,381	0.6%	4,375	5.6%	77,756	0.6%
	2030	25,129	0.4%	2,044	0.0%	12,291	0.4%	48,709	0.7%	869	1.0%	56.0	-0.3%	73,838	0.6%	4,402	5.6%	78,240	0.6%
	2031	25,235	0.4%	2,044	0.0%	12,343	0.4%	49,042	0.7%	877	0.9%	55.9	-0.2%	74,277	0.6%	4,428	5.6%	78,705	0.6%
	2032	25,330	0.4%	2,044	0.0%	12,389	0.4%	49,353	0.6%	885	0.9%	55.8	-0.2%	74,683	0.5%	4,452	5.6%	79,135	0.5%
	2033	25,424	0.4%	2,044	0.0%	12,435	0.4%	49,666	0.6%	892	0.9%	55.7	-0.2%	75,090	0.5%	4,477	5.6%	79,566	0.5%
	2034	25,516	0.4%	2,044	0.0%	12,480	0.4%	49,971	0.6%	900	0.8%	55.5	-0.2%	75,487	0.5%	4,500	5.6%	79,987	0.5%
	2035	25,606	0.4%	2,044	0.0%	12,525	0.4%	50,291	0.6%	908	0.9%	55.4	-0.2%	75,897	0.5%	4,525	5.6%	80,422	0.5%
	2036	25,697	0.4%	2,044	0.0%	12,569	0.4%	50,621	0.7%	916	0.9%	55.3	-0.2%	76,318	0.6%	4,550	5.6%	80,868	0.6%
	2037	25,798	0.4%	2,044	0.0%	12,618	0.4%	50,941	0.6%	924	0.9%	55.2	-0.2%	76,739	0.6%	4,575	5.6%	81,314	0.6%
CAGR	2008-2017		-0.7%		0.1%		-0.8%		-0.1%		0.0%		-0.1%		-0.3%		7.4%		-1.0%
	2018-2027		0.4%		0.0%		0.4%		0.8%		1.3%		-0.5%		0.7%		5.6%		0.7%
	2028-2037		0.4%		0.0%		0.4%		0.7%		0.9%		-0.2%		0.6%		5.6%		0.6%

CAGR - Compound Average Growth Rate.

FMPA 2018 Load Forecast
Historical and Projected Economic Trends of the Counties in which the ARP Cities Reside
(Sources: Woods and Poole Economics, inc.; Bureau of Economic and Business Research)
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
1997	25.5	-	8.2	-	7.7	-	0.41	-	430	-	555	-	67,754	-
1998	25.9	1.4%	8.4	2.4%	8.2	6.2%	0.40	-1.2%	466	8.3%	600	8.2%	71,547	5.6%
1999	25.9	0.0%	8.4	0.5%	8.4	3.1%	0.47	17.2%	489	5.0%	568	-5.3%	67,389	-5.8%
2000	26.1	0.7%	8.5	1.1%	8.4	0.0%	0.54	14.9%	491	0.3%	592	4.2%	69,444	3.1%
2001	26.1	0.1%	8.7	1.7%	8.6	1.6%	0.56	3.0%	506	3.2%	619	4.7%	71,470	2.9%
2002	26.3	0.9%	8.7	0.2%	8.4	-1.4%	0.51	-9.0%	519	2.6%	621	0.3%	71,527	0.1%
2003	27.0	2.8%	9.0	3.4%	8.7	3.6%	0.51	1.0%	553	6.5%	641	3.3%	71,488	-0.1%
2004	27.7	2.5%	9.1	1.7%	9.0	2.8%	0.53	2.9%	583	5.4%	652	1.7%	71,497	0.0%
2005	28.1	1.4%	9.2	1.1%	9.1	1.6%	0.49	-7.6%	600	2.8%	654	0.3%	70,931	-0.8%
2006	28.5	1.5%	9.3	0.9%	9.6	5.4%	0.50	1.9%	614	2.5%	655	0.1%	70,363	-0.8%
2007	28.8	1.1%	9.4	1.3%	9.9	2.9%	0.47	-4.2%	634	3.2%	659	0.6%	69,886	-0.7%
2008	29.0	0.5%	9.4	-0.1%	9.8	-1.2%	0.47	-1.3%	613	-3.3%	656	-0.4%	69,647	-0.3%
2009	29.0	0.1%	9.4	-0.6%	9.5	-2.6%	0.41	-12.6%	614	0.2%	663	1.1%	70,851	1.7%
2010	28.5	-1.5%	9.5	1.1%	9.2	-3.7%	0.30	-25.9%	589	-4.1%	668	0.7%	70,547	-0.4%
2011	28.5	-0.2%	9.5	0.5%	9.2	0.3%	0.26	-13.9%	554	-5.9%	676	1.2%	71,097	0.8%
2012	27.1	-4.7%	9.5	-0.1%	8.9	-3.2%	0.27	4.2%	528	-4.6%	660	-2.4%	69,499	-2.2%
2013	26.9	-0.9%	9.5	0.5%	8.8	-0.9%	0.26	-4.0%	532	0.8%	657	-0.4%	68,867	-0.9%
2014	26.7	-0.8%	9.6	0.5%	8.7	-1.8%	0.26	-1.1%	520	-2.3%	663	1.0%	69,203	0.5%
2015	26.9	0.9%	9.7	1.3%	8.8	1.8%	0.28	8.5%	530	1.8%	691	4.1%	71,088	2.7%
2016	27.0	0.2%	9.8	1.0%	8.8	-0.2%	0.28	-0.3%	537	1.4%	688	-0.4%	70,112	-1.4%
2017	27.3	1.2%	10.0	1.8%	8.9	1.2%	0.28	-0.8%	548	2.0%	705	2.4%	70,531	0.6%
2018	27.6	1.2%	10.1	1.6%	9.0	1.1%	0.27	-0.8%	559	2.0%	723	2.6%	71,214	1.0%
2019	28.0	1.2%	10.3	1.5%	9.1	1.2%	0.27	-0.8%	570	2.0%	743	2.8%	72,117	1.3%
2020	28.3	1.2%	10.4	1.4%	9.2	1.1%	0.27	-0.8%	581	1.9%	763	2.7%	73,055	1.3%
2021	28.5	0.7%	10.5	0.9%	9.3	0.7%	0.27	-1.2%	590	1.6%	780	2.3%	74,033	1.3%
2022	28.7	0.7%	10.6	0.7%	9.4	0.8%	0.26	-0.9%	600	1.6%	797	2.2%	75,169	1.5%
2023	28.9	0.7%	10.7	0.6%	9.4	0.8%	0.26	-1.3%	610	1.6%	815	2.2%	76,333	1.5%
2024	29.1	0.7%	10.7	0.6%	9.5	0.7%	0.26	-1.3%	619	1.6%	832	2.1%	77,450	1.5%
2025	29.4	0.7%	10.8	0.6%	9.6	0.7%	0.25	-1.3%	629	1.6%	849	2.1%	78,598	1.5%
2026	29.5	0.7%	10.9	0.5%	9.7	0.7%	0.25	-1.4%	639	1.6%	866	2.0%	79,762	1.5%
2027	29.7	0.7%	10.9	0.5%	9.7	0.6%	0.25	-1.0%	649	1.6%	883	2.0%	80,948	1.5%
2028	29.9	0.7%	11.0	0.4%	9.8	0.7%	0.24	-1.4%	659	1.6%	900	1.9%	82,153	1.5%
2029	30.1	0.6%	11.0	0.4%	9.8	0.7%	0.24	-1.4%	670	1.6%	917	1.9%	83,382	1.5%
2030	30.3	0.6%	11.0	0.4%	9.9	0.7%	0.24	-1.4%	680	1.6%	934	1.8%	84,571	1.4%
2031	30.5	0.6%	11.1	0.3%	10.0	0.7%	0.23	-1.5%	691	1.6%	949	1.7%	85,697	1.3%
2032	30.7	0.6%	11.1	0.3%	10.0	0.7%	0.23	-1.5%	701	1.6%	965	1.7%	86,842	1.3%
2033	30.8	0.6%	11.1	0.3%	10.1	0.6%	0.23	-1.5%	712	1.6%	980	1.6%	87,974	1.3%
2034	31.0	0.6%	11.2	0.3%	10.2	0.6%	0.22	-1.5%	723	1.6%	996	1.6%	89,143	1.3%
2035	31.2	0.5%	11.2	0.3%	10.2	0.6%	0.22	-1.5%	735	1.6%	1,013	1.7%	90,399	1.4%
2036	31.4	0.5%	11.2	0.3%	10.3	0.7%	0.22	-1.1%	747	1.6%	1,030	1.7%	91,641	1.4%
2037	31.5	0.5%	11.3	0.4%	10.4	0.6%	0.21	-1.5%	758	1.6%	1,046	1.5%	92,701	1.2%
Average Percent Change														
2007-2017		-0.5%		0.6%		-1.0%		-5.2%		-1.4%		0.7%		0.1%
2018-2027		0.8%		0.8%		0.8%		-1.1%		1.7%		2.2%		1.4%
2028-2037		0.6%		0.3%		0.7%		-1.4%		1.6%		1.7%		1.4%

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5/31/2018

Actual F/Y HDD and CDD v. 30-Year Normals - Gainesville Airport

FMPA 2018 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 [1,2] | | | | | | | | | |
| | | | | | | | 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	Percent Diff.
Historical	2008	7,091,611	-	7,079,364	-	-0.2%	1,330.2	-	1,346.4	-	1.2%	1,450.1	-	1,464.1		1.0%
	2009	6,847,285	-3.4%	6,819,959	-3.7%	-0.4%	1,418.5	6.6%	1,328.0	-1.4%	-6.4%	1,481.7	2.2%	1,453.9	-0.7%	-1.9%
	2010	6,469,062	-5.5%	6,158,489	-9.7%	-4.8%	1,412.0	-0.5%	1,220.2	-8.1%	-13.6%	1,272.1	-14.1%	1,251.4	-13.9%	-1.6%
	2011	6,147,277	-5.0%	5,917,296	-3.9%	-3.7%	1,258.3	-10.9%	1,245.4	2.1%	-1.0%	1,258.2	-1.1%	1,206.9	-3.6%	-4.1%
	2012	5,914,360	-3.8%	5,954,712	0.6%	0.7%	1,096.7	-12.8%	1,108.0	-11.0%	1.0%	1,203.3	-4.4%	1,312.3	8.7%	9.1%
	2013	5,914,988	0.0%	5,935,282	-0.3%	0.3%	1,009.9	-7.9%	1,033.6	-6.7%	2.3%	1,222.0	1.6%	1,271.6	-3.1%	4.1%
	2014	5,733,592	-3.1%	5,654,586	-4.7%	-1.4%	996.9	-1.3%	1,129.0	9.2%	13.2%	1,185.1	-3.0%	1,192.4	-6.2%	0.6%
	2015	5,777,052	0.8%	5,618,961	-0.6%	-2.7%	1,128.5	13.2%	1,050.6	-6.9%	-6.9%	1,194.4	0.8%	1,246.3	4.5%	4.4%
	2016	5,981,790	3.5%	5,783,323	2.9%	-3.3%	1,009.9	-10.5%	1,095.0	4.2%	8.4%	1,267.7	6.1%	1,245.4	-0.1%	-1.8%
	2017	5,827,865	-2.6%	5,805,277	0.4%	-0.4%	919.8	-8.9%	974.3	-11.0%	5.9%	1,236.7	-2.4%	1,327.2	6.6%	7.3%
Projected	2018	5,987,415	2.7%	5,987,415	3.1%		1,101.7	19.8%	1,101.7	13.1%		1,265.3	2.3%	1,265.3	-4.7%	
	2019			6,147,223	2.7%				1,128.1	2.4%				1,295.2	2.4%	
	2020			6,284,667	2.2%				1,154.8	2.4%				1,324.4	2.3%	
	2021			6,392,176	1.7%				1,174.8	1.7%				1,347.6	1.8%	
	2022			6,501,788	1.7%				1,194.9	1.7%				1,371.1	1.7%	
	2023			6,609,372	1.7%				1,214.5	1.6%				1,394.1	1.7%	
	2024			6,718,923	1.7%				1,234.5	1.6%				1,417.5	1.7%	
	2025			6,814,550	1.4%				1,252.0	1.4%				1,437.9	1.4%	
	2026			6,912,045	1.4%				1,269.9	1.4%				1,458.7	1.4%	
	2027			7,005,703	1.4%				1,287.0	1.3%				1,478.7	1.4%	
	2028			7,102,143	1.4%				1,304.7	1.4%				1,499.5	1.4%	
	2029			7,186,841	1.2%				1,320.3	1.2%				1,517.7	1.2%	
	2030			7,275,880	1.2%				1,336.6	1.2%				1,536.8	1.3%	
	2031			7,368,994	1.3%				1,354.7	1.4%				1,557.8	1.4%	
	2032			7,478,920	1.5%				1,375.4	1.5%				1,581.6	1.5%	
	2033			7,573,254	1.3%				1,392.6	1.3%				1,601.4	1.3%	
	2034			7,661,207	1.2%				1,408.6	1.1%				1,620.0	1.2%	
	2035			7,742,767	1.1%				1,423.6	1.1%				1,637.6	1.1%	
	2036			7,742,559	0.0%				1,421.6	-0.1%				1,637.8	0.0%	
	2037			7,817,491	1.0%				1,435.5	1.0%				1,654.0	1.0%	
CAGR [3]	2008-2017		-2.2%		-2.2%			-4.0%		-3.5%			-1.8%		-1.1%	
	2018-2027				1.8%					1.7%					1.7%	
	2028-2037				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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.42 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	481,763	397,590	424,514	5,924,706	5,981,790
	2017	420,501	369,488	422,913	462,373	543,871	546,093	610,626	626,595	521,538	485,966	416,353	446,229	5,872,546	5,827,865
Projected	2018	460,547	404,858	431,601	449,450	518,902	570,372	616,601	630,327	556,210	504,330	431,032	460,488	6,034,717	5,987,415
	2019	475,015	416,983	442,233	460,958	531,539	583,210	630,225	643,812	567,396	516,959	441,425	471,187	6,180,544	6,147,223
	2020	485,856	430,253	451,431	470,346	542,211	595,181	643,385	657,477	579,355	525,298	448,533	478,666	6,307,993	6,284,667
	2021	494,790	433,806	459,638	478,781	551,963	606,011	655,169	669,553	589,967	534,395	456,197	486,861	6,417,131	6,392,176
	2022	503,340	441,246	467,462	486,856	561,409	616,430	666,456	681,087	600,049	543,431	463,801	494,949	6,526,515	6,501,788
	2023	511,710	448,541	475,136	494,756	570,661	626,606	677,489	692,372	609,921	552,219	471,205	502,838	6,633,453	6,609,372
	2024	519,915	460,388	482,625	502,458	579,694	636,531	688,237	703,337	619,476	560,752	478,356	510,417	6,742,185	6,718,923
	2025	527,769	462,504	489,780	509,804	588,300	645,980	698,472	713,800	628,617	568,944	485,254	517,769	6,836,993	6,814,550
	2026	535,411	469,140	496,740	516,955	596,691	655,196	708,455	723,989	637,500	576,881	491,909	524,833	6,933,699	6,912,045
	2027	542,741	475,508	503,414	523,809	604,732	664,029	718,031	733,773	646,044	584,529	498,336	531,675	7,026,621	7,005,703
Projected	2028	549,867	486,778	509,914	530,495	612,598	672,688	727,432	743,387	654,444	592,049	504,648	538,392	7,122,691	7,102,143
	2029	556,855	487,786	516,302	537,060	620,323	681,192	736,671	752,845	662,718	599,468	510,889	545,051	7,207,160	7,186,841
	2030	563,804	493,820	522,639	543,577	628,001	689,645	745,862	762,228	670,908	606,790	517,022	551,567	7,295,852	7,275,880
	2031	570,700	499,918	529,154	550,398	636,135	698,726	755,833	772,636	680,115	615,186	524,332	559,532	7,392,665	7,368,994
	2032	578,887	512,481	536,677	558,155	645,178	708,642	766,534	783,638	689,678	623,762	531,667	567,368	7,502,667	7,478,920
	2033	586,874	513,987	543,887	565,499	653,674	717,920	776,484	793,746	698,386	631,446	538,060	574,157	7,594,120	7,573,254
	2034	593,940	520,037	550,166	571,891	661,146	726,129	785,342	802,735	706,167	638,352	543,814	580,232	7,679,943	7,661,207
	2035	600,274	525,541	555,946	577,835	668,159	733,854	793,735	811,337	713,687	638,209	543,168	579,457	7,741,202	7,742,767
	2036	599,513	530,697	555,377	577,462	667,725	733,374	793,248	811,145	713,186	644,875	548,760	585,417	7,760,777	7,742,559
	2037	605,748	530,406	561,105	583,356	674,696	741,069	801,634	819,734	720,692	642,842	546,434	582,617	7,810,333	7,817,491

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.4%	8.7%	9.9%	10.9%	10.4%	9.4%	8.1%	6.7%	7.2%	100.0%
	2017	7.2%	6.3%	7.2%	7.9%	9.3%	9.3%	10.4%	10.7%	8.9%	8.3%	7.1%	7.6%	100.0%
Projected	2018	7.6%	6.7%	7.2%	7.4%	8.6%	9.5%	10.2%	10.4%	9.2%	8.4%	7.1%	7.6%	100.0%
	2019	7.7%	6.7%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.4%	7.1%	7.6%	100.0%
	2020	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2021	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2022	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2023	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2024	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2025	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2026	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
	2027	7.7%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%
Avg.	2008-2017	7.6%	6.7%	7.2%	7.6%	8.9%	9.6%	10.2%	10.3%	9.3%	8.2%	6.9%	7.4%	100.0%
	2018-2027	7.7%	6.8%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.6%	100.0%

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Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).
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5/31/2018

FMPA 2018 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	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	1,067.3	864.6	884.5	1,061.1	1,291.2
	2017	981.0	845.4	971.0	1,111.6	1,194.5	1,201.3	1,251.4	1,267.4	1,203.9	1,079.4	918.1	899.7	981.0	1,267.4
Projected	2018	1,162.5	1,043.9	1,011.2	1,020.4	1,162.3	1,260.2	1,268.6	1,294.3	1,211.6	1,108.0	933.2	920.8	1,162.5	1,294.3
	2019	1,190.1	1,068.8	1,034.9	1,044.2	1,189.6	1,289.8	1,298.4	1,324.8	1,240.1	1,133.9	956.2	944.2	1,190.1	1,324.8
	2020	1,217.1	1,093.5	1,057.8	1,067.7	1,216.5	1,319.0	1,327.5	1,355.0	1,268.4	1,159.4	971.0	958.4	1,217.1	1,355.0
	2021	1,238.0	1,112.4	1,076.3	1,086.3	1,237.7	1,342.0	1,350.7	1,378.6	1,290.5	1,179.6	988.0	974.5	1,238.0	1,378.6
	2022	1,258.8	1,131.1	1,095.2	1,105.2	1,259.1	1,365.1	1,374.0	1,402.5	1,312.8	1,200.0	1,004.2	990.2	1,258.8	1,402.5
	2023	1,279.2	1,149.4	1,113.4	1,123.3	1,280.0	1,387.8	1,396.8	1,425.9	1,334.7	1,220.0	1,020.7	1,006.2	1,279.2	1,425.9
	2024	1,299.8	1,168.0	1,132.2	1,141.9	1,301.3	1,410.9	1,420.1	1,449.7	1,356.9	1,240.3	1,035.0	1,020.1	1,299.8	1,449.7
	2025	1,317.9	1,184.3	1,148.4	1,158.2	1,319.9	1,431.0	1,440.4	1,470.5	1,376.3	1,258.0	1,049.6	1,034.3	1,317.9	1,470.5
	2026	1,336.3	1,200.8	1,165.1	1,174.8	1,338.8	1,451.6	1,461.0	1,491.6	1,396.1	1,276.1	1,063.6	1,047.9	1,336.3	1,491.6
	2027	1,354.0	1,216.7	1,181.1	1,190.7	1,357.0	1,471.3	1,480.9	1,512.0	1,415.1	1,293.5	1,078.0	1,062.0	1,354.0	1,512.0
Projected	2028	1,372.2	1,233.1	1,197.7	1,207.2	1,375.9	1,491.8	1,501.5	1,533.1	1,434.8	1,311.5	1,090.7	1,074.4	1,372.2	1,533.1
	2029	1,388.3	1,247.6	1,212.2	1,221.7	1,392.4	1,509.7	1,519.5	1,551.6	1,452.2	1,327.3	1,104.1	1,087.4	1,388.3	1,551.6
	2030	1,405.2	1,262.7	1,227.5	1,236.9	1,409.8	1,528.6	1,538.5	1,571.1	1,470.3	1,343.9	1,118.7	1,101.6	1,405.2	1,571.1
	2031	1,423.8	1,279.5	1,244.2	1,253.5	1,428.8	1,549.2	1,559.3	1,592.3	1,490.2	1,362.0	1,135.3	1,117.8	1,423.8	1,592.3
	2032	1,445.0	1,298.6	1,263.0	1,272.4	1,450.4	1,572.7	1,582.8	1,616.5	1,512.7	1,382.5	1,149.1	1,131.1	1,445.0	1,616.5
	2033	1,462.7	1,314.6	1,278.7	1,288.0	1,468.4	1,592.2	1,602.4	1,636.6	1,531.5	1,399.6	1,162.0	1,143.8	1,462.7	1,636.6
	2034	1,479.1	1,329.3	1,293.5	1,302.8	1,485.2	1,610.5	1,620.7	1,655.5	1,549.1	1,415.7	1,174.3	1,155.7	1,479.1	1,655.5
	2035	1,494.6	1,343.2	1,307.6	1,316.7	1,501.2	1,627.8	1,638.2	1,673.3	1,565.8	1,416.0	1,174.5	1,153.1	1,494.6	1,673.3
	2036	1,492.5	1,340.9	1,308.3	1,317.0	1,501.7	1,628.3	1,638.5	1,673.6	1,566.3	1,432.2	1,185.7	1,164.0	1,492.5	1,673.6
	2037	1,506.8	1,353.7	1,321.2	1,329.9	1,516.5	1,644.3	1,654.6	1,690.1	1,581.7	1,426.3	1,181.3	1,157.2	1,506.8	1,690.1

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.8%	66.7%	63.7%	52.4%
	2017	57.6%	65.0%	58.5%	55.9%	67.8%	61.1%	67.8%	66.5%	60.2%	60.5%	61.0%	68.9%	68.3%	52.9%
Projected	2018	53.2%	57.7%	57.4%	59.2%	66.4%	60.8%	67.5%	65.5%	63.8%	61.2%	62.1%	69.5%	59.3%	53.2%
	2019	53.6%	58.1%	57.4%	59.3%	66.5%	60.8%	67.4%	65.3%	63.5%	61.2%	62.0%	69.3%	59.3%	53.3%
	2020	53.7%	56.5%	57.4%	59.2%	66.3%	60.7%	67.3%	65.2%	63.4%	60.9%	62.1%	69.4%	59.2%	53.1%
	2021	53.7%	58.0%	57.4%	59.2%	66.4%	60.7%	67.4%	65.3%	63.5%	60.9%	62.1%	69.4%	59.2%	53.1%
	2022	53.7%	58.1%	57.4%	59.2%	66.4%	60.7%	67.4%	65.3%	63.5%	60.9%	62.1%	69.4%	59.2%	53.1%
	2023	53.8%	58.1%	57.4%	59.2%	66.3%	60.7%	67.4%	65.3%	63.5%	60.8%	62.0%	69.4%	59.2%	53.1%
	2024	53.8%	56.6%	57.3%	59.1%	66.3%	60.6%	67.3%	65.2%	63.4%	60.8%	62.1%	69.5%	59.2%	53.1%
	2025	53.8%	58.1%	57.3%	59.2%	66.3%	60.7%	67.4%	65.2%	63.4%	60.8%	62.1%	69.5%	59.2%	53.1%
	2026	53.9%	58.1%	57.3%	59.1%	66.3%	60.7%	67.3%	65.2%	63.4%	60.8%	62.2%	69.6%	59.2%	53.1%
	2027	53.9%	58.2%	57.3%	59.1%	66.3%	60.7%	67.3%	65.2%	63.4%	60.7%	62.1%	69.5%	59.2%	53.1%
Avg.	2008-2017	55.5%	57.2%	61.6%	60.2%	69.7%	62.1%	68.1%	65.7%	64.7%	61.2%	59.9%	65.9%	59.1%	53.6%
	2018-2027	53.7%	57.8%	57.4%	59.2%	66.4%	60.7%	67.4%	65.3%	63.5%	60.9%	62.1%	69.4%	59.2%	53.1%

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)

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5/31/2018

FMPA 2018 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	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	989.2	843.2	827.1	1,009.9	1,267.7
	2017	862.8	831.4	919.8	1,105.8	1,174.1	1,178.1	1,215.9	1,236.7	1,157.4	1,051.8	866.5	839.4	919.8	1,236.7
Projected	2018	1,101.7	1,003.9	954.2	992.4	1,130.7	1,226.6	1,231.4	1,265.3	1,163.1	1,079.8	881.2	859.2	1,101.7	1,265.3
	2019	1,128.1	1,028.1	976.6	1,015.7	1,157.3	1,255.6	1,260.4	1,295.2	1,190.4	1,105.1	903.1	880.7	1,128.1	1,295.2
	2020	1,154.8	1,052.1	998.0	1,038.4	1,183.2	1,283.9	1,288.6	1,324.4	1,217.5	1,130.1	917.1	894.0	1,154.8	1,324.4
	2021	1,174.8	1,070.4	1,015.5	1,056.6	1,203.9	1,306.4	1,311.2	1,347.6	1,238.8	1,149.8	933.3	909.3	1,174.8	1,347.6
	2022	1,194.9	1,088.7	1,033.3	1,074.9	1,224.7	1,329.1	1,333.9	1,371.1	1,260.2	1,169.8	948.7	924.2	1,194.9	1,371.1
	2023	1,214.5	1,106.6	1,050.9	1,092.8	1,245.2	1,351.3	1,356.2	1,394.1	1,281.3	1,189.3	964.5	939.4	1,214.5	1,394.1
	2024	1,234.5	1,124.8	1,068.8	1,111.1	1,266.0	1,374.0	1,378.9	1,417.5	1,302.7	1,209.2	978.1	952.6	1,234.5	1,417.5
	2025	1,252.0	1,140.8	1,084.3	1,127.0	1,284.2	1,393.7	1,398.6	1,437.9	1,321.4	1,226.5	992.0	966.2	1,252.0	1,437.9
	2026	1,269.9	1,157.0	1,100.2	1,143.3	1,302.7	1,413.9	1,418.8	1,458.7	1,340.4	1,244.2	1,005.3	979.2	1,269.9	1,458.7
	2027	1,287.0	1,172.7	1,115.5	1,158.9	1,320.5	1,433.3	1,438.2	1,478.7	1,358.8	1,261.2	1,019.1	992.6	1,287.0	1,478.7
Projected	2028	1,304.7	1,188.8	1,131.4	1,175.1	1,338.9	1,453.3	1,458.3	1,499.5	1,377.7	1,278.9	1,031.2	1,004.4	1,304.7	1,499.5
	2029	1,320.3	1,203.0	1,145.3	1,189.3	1,355.1	1,470.9	1,475.9	1,517.7	1,394.4	1,294.3	1,044.0	1,016.9	1,320.3	1,517.7
	2030	1,336.6	1,217.9	1,160.0	1,204.3	1,372.1	1,489.4	1,494.4	1,536.8	1,411.9	1,310.6	1,058.0	1,030.4	1,336.6	1,536.8
	2031	1,354.7	1,234.4	1,175.9	1,220.6	1,390.7	1,509.7	1,514.7	1,557.8	1,431.0	1,328.3	1,073.9	1,045.9	1,354.7	1,557.8
	2032	1,375.4	1,253.3	1,193.9	1,239.1	1,411.9	1,532.8	1,537.7	1,581.6	1,452.8	1,348.5	1,087.2	1,058.7	1,375.4	1,581.6
	2033	1,392.6	1,269.0	1,208.9	1,254.5	1,429.4	1,551.9	1,556.8	1,601.4	1,470.9	1,365.2	1,099.6	1,070.8	1,392.6	1,601.4
	2034	1,408.6	1,283.5	1,223.1	1,268.9	1,445.9	1,569.9	1,574.7	1,620.0	1,487.8	1,381.0	1,111.2	1,082.2	1,408.6	1,620.0
	2035	1,423.6	1,297.2	1,236.5	1,282.6	1,461.5	1,586.9	1,591.8	1,637.6	1,503.9	1,381.8	1,111.3	1,080.3	1,423.6	1,637.6
	2036	1,421.6	1,294.8	1,237.4	1,282.9	1,462.0	1,587.5	1,592.3	1,637.8	1,504.8	1,397.7	1,122.0	1,090.7	1,421.6	1,637.8
	2037	1,435.5	1,307.4	1,249.8	1,295.5	1,476.4	1,603.2	1,608.0	1,654.0	1,519.6	1,392.5	1,117.5	1,085.2	1,435.5	1,654.0

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	97.5%	93.5%	95.2%	98.2%
	2017	88.0%	98.3%	94.7%	99.5%	98.3%	98.1%	97.2%	97.6%	96.1%	97.5%	94.4%	93.3%	93.8%	97.6%
Projected	2018	94.8%	96.2%	94.4%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.8%	97.8%
	2019	94.8%	96.2%	94.4%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.8%	97.8%
	2020	94.9%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.5%	93.3%	94.9%	97.7%
	2021	94.9%	96.2%	94.3%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2022	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2023	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	94.9%	97.8%
	2024	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2025	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2026	95.0%	96.4%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2027	95.0%	96.4%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.5%	95.0%	97.8%
	2008-2017	94.7%	95.4%	94.2%	96.4%	96.8%	97.2%	96.5%	97.4%	95.8%	97.0%	92.9%	93.0%	96.4%	97.5%
	2018-2027	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	94.9%	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 2018 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 [1,2] | | | | | | | | | |
| | | | | | | | 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	Percent Diff.
Historical	2008	3,682,412	-	3,644,271	-	-1.0%	670.8	-	692.1	-	3.2%	719.7	-	729.0		1.3%
	2009	3,516,717	-4.5%	3,503,890	-3.9%	-0.4%	709.9	5.8%	652.6	-5.7%	-8.1%	731.3	1.6%	698.7	-4.2%	-4.5%
	2010	3,044,869	-13.4%	2,916,556	-16.8%	-4.2%	631.0	-11.1%	523.5	-19.8%	-17.0%	553.1	-24.4%	542.9	-22.3%	-1.8%
	2011	2,805,902	-7.8%	2,711,488	-7.0%	-3.4%	544.4	-13.7%	545.0	4.1%	0.1%	534.8	-3.3%	513.7	-5.4%	-3.9%
	2012	2,709,712	-3.4%	2,731,112	0.7%	0.8%	469.7	-13.7%	485.7	-10.9%	3.4%	527.2	-1.4%	549.9	7.0%	4.3%
	2013	2,693,753	-0.6%	2,710,017	-0.8%	0.6%	425.0	-9.5%	448.3	-7.7%	5.5%	524.0	-0.6%	538.6	-2.1%	2.8%
	2014	2,437,324	-9.5%	2,396,472	-11.6%	-1.7%	384.4	-9.5%	437.3	-2.5%	13.7%	452.1	-13.7%	460.2	-14.6%	1.8%
	2015	2,366,430	-2.9%	2,315,072	-3.4%	-2.2%	456.4	18.7%	405.7	-7.2%	-11.1%	444.3	-1.7%	465.3	1.1%	4.7%
	2016	2,436,956	3.0%	2,368,506	2.3%	-2.8%	390.9	-14.3%	428.9	5.7%	9.7%	484.9	9.1%	472.0	1.4%	-2.7%
	2017	2,341,144	-3.9%	2,313,898	-2.3%	-1.2%	344.6	-11.9%	346.6	-19.2%	0.6%	467.3	-3.6%	490.1	3.8%	4.9%
Projected	2018	2,363,930	1.0%	2,363,930	2.2%		417.7	21.2%	417.7	20.5%		466.2	-0.2%	466.2	-4.9%	
	2019			2,415,475	2.2%				425.9	2.0%				475.1	1.9%	
	2020			2,442,830	1.1%				430.2	1.0%				480.0	1.0%	
	2021			2,471,369	1.2%				435.6	1.3%				486.0	1.2%	
	2022			2,496,273	1.0%				440.0	1.0%				490.8	1.0%	
	2023			2,518,857	0.9%				444.1	0.9%				495.2	0.9%	
	2024			2,539,789	0.8%				448.1	0.9%				499.3	0.8%	
	2025			2,559,456	0.8%				451.8	0.8%				503.2	0.8%	
	2026			2,578,073	0.7%				455.3	0.8%				506.8	0.7%	
	2027			2,595,610	0.7%				458.6	0.7%				510.3	0.7%	
	2028			2,612,480	0.6%				461.8	0.7%				513.6	0.7%	
	2029			2,628,734	0.6%				465.0	0.7%				516.9	0.6%	
	2030			2,644,702	0.6%				468.1	0.7%				520.1	0.6%	
	2031			2,660,252	0.6%				471.1	0.6%				523.2	0.6%	
	2032			2,675,595	0.6%				474.1	0.6%				526.2	0.6%	
	2033			2,690,388	0.6%				477.0	0.6%				529.2	0.6%	
	2034			2,705,011	0.5%				479.9	0.6%				532.1	0.6%	
	2035			2,719,176	0.5%				482.7	0.6%				535.0	0.5%	
	2036			2,646,379	-2.7%				467.6	-3.1%				519.3	-2.9%	
	2037			2,659,453	0.5%				470.2	0.6%				522.0	0.5%	
CAGR [3]	2008-2017		-4.9%		-4.9%			-7.1%		-7.4%			-4.7%		-4.3%	
	2018-2027				1.0%					1.0%					1.0%	
	2028-2037				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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.42 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	196,875	162,861	175,563	2,407,707	2,436,956
	2017	170,310	151,110	171,235	184,929	216,561	221,569	247,242	248,927	193,963	195,778	166,186	172,712	2,340,522	2,341,144
Projected	2018	180,272	160,984	170,320	180,747	201,758	223,758	244,249	246,967	220,200	202,910	170,985	177,396	2,380,545	2,363,930
	2019	184,962	164,961	173,527	184,072	205,489	227,755	248,437	251,112	223,869	206,530	174,051	180,467	2,425,232	2,415,475
	2020	187,187	166,637	174,983	185,567	207,164	229,853	250,800	253,543	226,049	208,199	175,255	181,656	2,446,893	2,442,830
	2021	189,565	168,734	177,309	187,973	209,827	232,853	254,080	256,877	229,041	210,445	177,116	183,556	2,477,375	2,471,369
	2022	191,572	170,467	179,084	189,813	211,884	235,150	256,572	259,377	231,236	212,413	178,746	185,219	2,501,534	2,496,273
	2023	193,342	172,026	180,687	191,483	213,766	237,268	258,889	261,719	233,299	214,200	180,233	186,740	2,523,653	2,518,857
	2024	194,992	173,609	182,152	193,009	215,498	239,222	261,035	263,890	235,208	215,910	181,649	188,180	2,544,355	2,539,789
	2025	196,557	174,842	183,557	194,466	217,150	241,084	263,080	265,957	237,023	217,534	182,995	189,550	2,563,796	2,559,456
	2026	198,047	176,134	184,867	195,824	218,692	242,825	264,993	267,891	238,721	219,052	184,250	190,826	2,582,122	2,578,073
	2027	199,438	177,351	186,102	197,105	220,147	244,472	266,807	269,727	240,333	220,493	185,443	192,040	2,599,459	2,595,610
Projected	2028	200,770	178,651	187,270	198,320	221,532	246,045	268,544	271,489	241,884	221,881	186,594	193,212	2,616,191	2,612,480
	2029	202,056	179,642	188,426	199,519	222,900	247,599	270,260	273,231	243,415	223,251	187,730	194,371	2,632,399	2,628,734
	2030	203,333	180,742	189,539	200,675	224,221	249,103	271,922	274,917	244,898	224,575	188,826	195,487	2,648,238	2,644,702
	2031	204,563	181,814	190,625	201,802	225,510	250,574	273,551	276,573	246,353	225,877	189,905	196,587	2,663,734	2,660,252
	2032	205,778	183,010	191,683	202,899	226,767	252,008	275,135	278,181	247,764	227,135	190,945	197,644	2,678,950	2,675,595
	2033	206,949	183,898	192,730	203,983	228,011	253,430	276,709	279,783	249,170	228,389	191,984	198,704	2,693,740	2,690,388
	2034	208,127	184,905	193,744	205,033	229,217	254,809	278,236	281,334	250,528	229,598	192,985	199,720	2,708,237	2,705,011
	2035	209,259	185,882	194,727	206,050	230,387	256,148	279,721	282,845	251,854	223,896	187,652	193,908	2,702,330	2,719,176
	2036	203,319	180,939	189,382	200,772	224,133	249,304	272,335	275,575	245,164	225,003	188,563	194,833	2,649,322	2,646,379
	2037	204,356	181,709	190,304	201,727	225,231	250,567	273,739	277,006	246,415	217,364	181,535	186,984	2,636,938	2,659,453

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	6.7%	7.3%	7.4%	8.7%	9.8%	10.9%	10.4%	9.3%	8.2%	6.8%	7.3%	100.0%
	2017	7.3%	6.5%	7.3%	7.9%	9.3%	9.5%	10.6%	10.6%	8.3%	8.4%	7.1%	7.4%	100.0%
Projected	2018	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.2%	7.5%	100.0%
	2019	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.4%	9.2%	8.5%	7.2%	7.4%	100.0%
	2020	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.4%	9.2%	8.5%	7.2%	7.4%	100.0%
	2021	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2022	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2023	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2024	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2025	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2026	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2027	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
Avg.	2008-2017	7.5%	6.8%	7.3%	7.6%	8.9%	9.6%	10.2%	10.3%	9.2%	8.3%	7.0%	7.3%	100.0%
	2018-2027	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	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 2018 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	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	423.9	344.6	363.7	437.5	501.8
	2017	411.0	333.6	388.3	411.6	456.4	458.5	480.1	485.1	461.3	413.7	372.6	367.8	411.0	485.1
Projected	2018	468.7	414.3	372.7	387.9	438.7	474.3	485.7	483.9	456.4	417.9	373.4	374.8	468.7	485.7
	2019	477.8	422.4	379.7	395.1	447.0	483.3	494.9	493.1	465.0	425.7	379.4	381.0	477.8	494.9
	2020	482.2	426.7	383.2	399.0	451.5	488.3	500.2	498.3	469.9	430.0	382.4	383.8	482.2	500.2
	2021	488.3	432.1	387.9	404.0	457.2	494.4	506.5	504.5	475.7	435.3	386.7	387.6	488.3	506.5
	2022	493.2	436.4	391.6	407.9	461.7	499.2	511.5	509.4	480.4	439.6	390.3	391.0	493.2	511.5
	2023	497.8	440.4	395.0	411.5	465.8	503.7	516.1	514.0	484.7	443.4	393.7	394.3	497.8	516.1
	2024	502.1	444.2	398.2	414.8	469.6	507.8	520.4	518.2	488.7	447.1	396.8	397.3	502.1	520.4
	2025	506.2	447.7	401.1	418.0	473.2	511.8	524.5	522.2	492.5	450.5	399.7	400.2	506.2	524.5
	2026	510.0	451.1	403.9	420.9	476.6	515.4	528.3	526.0	496.0	453.7	402.4	402.9	510.0	528.3
	2027	513.7	454.3	406.6	423.7	479.9	518.9	531.9	529.6	499.4	456.7	405.0	405.6	513.7	531.9
Projected	2028	517.2	457.4	409.1	426.4	483.0	522.3	535.4	533.1	502.6	459.7	407.6	408.1	517.2	535.4
	2029	520.7	460.4	411.6	429.1	486.0	525.6	538.9	536.4	505.8	462.5	410.0	410.6	520.7	538.9
	2030	524.0	463.3	414.0	431.6	488.9	528.8	542.2	539.7	508.9	465.3	412.4	413.1	524.0	542.2
	2031	527.3	466.2	416.4	434.1	491.8	531.9	545.4	542.9	511.9	468.0	414.9	415.5	527.3	545.4
	2032	530.6	469.0	418.7	436.6	494.7	535.0	548.6	546.1	514.9	470.7	417.2	417.8	530.6	548.6
	2033	533.8	471.8	420.9	439.0	497.4	538.0	551.8	549.1	517.8	473.3	419.5	420.2	533.8	551.8
	2034	536.9	474.5	423.1	441.3	500.2	541.0	554.8	552.2	520.6	475.8	421.7	422.4	536.9	554.8
	2035	540.0	477.2	425.3	443.6	502.8	543.9	557.8	555.1	523.4	463.4	411.1	409.4	540.0	557.8
	2036	524.5	462.8	413.1	431.3	489.0	528.8	542.5	539.2	508.8	465.8	413.1	411.4	524.5	542.5
	2037	527.4	465.3	415.1	433.4	491.4	531.4	545.3	541.9	511.4	448.1	398.7	394.8	527.4	545.3

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	62.4%	63.5%	67.0%	62.8%	54.8%
	2017	55.7%	67.4%	59.3%	60.4%	70.6%	65.0%	71.5%	69.0%	58.4%	63.6%	59.9%	65.2%	65.0%	55.1%
Projected	2018	51.7%	57.8%	61.4%	62.6%	68.4%	63.4%	69.8%	68.6%	67.0%	65.3%	61.5%	65.7%	58.0%	55.9%
	2019	52.0%	58.1%	61.4%	62.6%	68.4%	63.3%	69.7%	68.5%	66.9%	65.2%	61.7%	65.8%	57.9%	55.9%
	2020	52.2%	56.1%	61.4%	62.5%	68.3%	63.3%	69.6%	68.4%	66.8%	65.1%	61.6%	65.7%	57.9%	55.8%
	2021	52.2%	58.1%	61.4%	62.5%	68.3%	63.3%	69.7%	68.4%	66.9%	65.0%	61.6%	65.8%	57.9%	55.8%
	2022	52.2%	58.1%	61.5%	62.5%	68.3%	63.3%	69.7%	68.4%	66.9%	65.0%	61.6%	65.8%	57.9%	55.8%
	2023	52.2%	58.1%	61.5%	62.5%	68.3%	63.3%	69.7%	68.4%	66.9%	64.9%	61.5%	65.8%	57.9%	55.8%
	2024	52.2%	56.2%	61.5%	62.5%	68.3%	63.3%	69.7%	68.4%	66.8%	64.9%	61.5%	65.8%	57.8%	55.8%
	2025	52.2%	58.1%	61.5%	62.5%	68.3%	63.3%	69.7%	68.4%	66.8%	64.9%	61.5%	65.8%	57.8%	55.8%
	2026	52.2%	58.1%	61.5%	62.5%	68.3%	63.3%	69.7%	68.5%	66.8%	64.9%	61.5%	65.8%	57.8%	55.8%
	2027	52.2%	58.1%	61.5%	62.5%	68.3%	63.3%	69.7%	68.5%	66.8%	64.9%	61.5%	65.8%	57.8%	55.8%
Avg.	2008-2017	55.4%	57.8%	62.4%	62.7%	72.8%	64.9%	70.9%	68.9%	66.8%	64.0%	60.2%	65.6%	59.2%	56.0%
	2018-2027	52.1%	57.7%	61.5%	62.6%	68.3%	63.3%	69.7%	68.5%	66.9%	65.0%	61.6%	65.8%	57.9%	55.8%

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)

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5/31/2018

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	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	446.3	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	365.9	333.5	328.8	390.9	484.9
	2017	306.6	323.4	344.6	406.6	447.4	440.6	461.4	467.3	446.0	396.8	338.1	326.5	344.6	467.3
Projected	2018	417.7	378.6	341.2	366.8	420.7	452.0	465.1	466.2	432.3	400.8	338.9	332.7	417.7	466.2
	2019	425.9	386.1	347.7	373.7	428.7	460.6	473.9	475.1	440.5	408.3	344.4	338.2	425.9	475.1
	2020	430.2	389.9	350.7	377.3	433.0	465.4	478.9	480.0	445.0	412.3	346.9	340.5	430.2	480.0
	2021	435.6	394.8	355.0	382.0	438.4	471.2	485.0	486.0	450.5	417.4	350.9	343.9	435.6	486.0
	2022	440.0	398.8	358.4	385.7	442.7	475.8	489.8	490.8	454.9	421.5	354.1	347.0	440.0	490.8
	2023	444.1	402.5	361.5	389.1	446.6	480.0	494.2	495.2	459.0	425.2	357.2	350.0	444.1	495.2
	2024	448.1	406.1	364.5	392.2	450.3	484.0	498.3	499.3	462.8	428.7	360.0	352.7	448.1	499.3
	2025	451.8	409.4	367.2	395.2	453.8	487.7	502.2	503.2	466.4	431.9	362.6	355.3	451.8	503.2
	2026	455.3	412.6	369.8	398.0	457.0	491.2	505.9	506.8	469.7	435.0	365.0	357.8	455.3	506.8
	2027	458.6	415.6	372.3	400.7	460.1	494.6	509.4	510.3	472.9	437.9	367.4	360.3	458.6	510.3
Projected	2028	461.8	418.5	374.7	403.2	463.1	497.8	512.8	513.6	476.0	440.7	369.7	362.5	461.8	513.6
	2029	465.0	421.3	377.0	405.7	466.0	500.9	516.0	516.9	479.0	443.4	372.0	364.9	465.0	516.9
	2030	468.1	424.1	379.2	408.1	468.9	503.9	519.2	520.1	481.9	446.1	374.2	367.1	468.1	520.1
	2031	471.1	426.8	381.4	410.5	471.6	506.9	522.4	523.2	484.7	448.7	376.4	369.3	471.1	523.2
	2032	474.1	429.5	383.5	412.8	474.4	509.9	525.5	526.2	487.6	451.3	378.4	371.4	474.1	526.2
	2033	477.0	432.2	385.6	415.1	477.0	512.7	528.5	529.2	490.3	453.7	380.5	373.6	477.0	529.2
	2034	479.9	434.8	387.7	417.3	479.6	515.5	531.4	532.1	493.0	456.2	382.6	375.6	479.9	532.1
	2035	482.7	437.3	389.7	419.4	482.2	518.3	534.3	535.0	495.6	444.5	372.2	363.6	482.7	535.0
	2036	467.6	422.9	378.2	407.2	468.5	503.5	519.5	519.3	481.9	446.7	374.0	365.5	467.6	519.3
	2037	470.2	425.2	380.0	409.2	470.8	506.0	522.2	522.0	484.3	430.0	359.9	350.6	470.2	522.0

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	98.3%	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%	86.3%	96.8%	90.4%	89.3%	96.6%
	2017	74.6%	96.9%	88.7%	98.8%	98.0%	96.1%	96.1%	96.3%	96.7%	95.9%	90.7%	88.8%	83.8%	96.3%
Projected	2018	89.1%	91.4%	91.6%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.8%	88.8%	89.1%	96.0%
	2019	89.1%	91.4%	91.6%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.8%	88.8%	89.1%	96.0%
	2020	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	96.0%
	2021	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2022	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2023	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.8%	89.2%	95.9%
	2024	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.2%	95.9%
	2025	89.3%	91.4%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2026	89.3%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2027	89.3%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.4%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2008-2017	89.6%	90.7%	91.9%	94.5%	95.5%	95.3%	95.4%	96.0%	94.2%	95.3%	90.9%	89.2%	92.4%	96.1%
	2018-2027	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.8%	89.2%	95.9%

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 2018 Load Forecast - High Economic Case
Duke Energy Florida Cities - Supplied
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	1,960,379	-	1,972,519	-	0.6%	395.4	-	393.6	-	-0.4%	420.5	-	419.9	-	-0.1%
	2009	1,939,898	-1.0%	1,932,539	-2.0%	-0.4%	432.9	9.5%	417.7	6.1%	-3.5%	438.2	4.2%	439.9	4.8%	0.4%
	2010	1,994,053	2.8%	1,886,003	-2.4%	-5.4%	466.6	7.8%	413.0	-1.1%	-11.5%	415.8	-5.1%	404.2	-8.1%	-2.8%
	2011	1,930,773	-3.2%	1,846,253	-2.1%	-4.4%	416.1	-10.8%	415.5	0.6%	-0.1%	407.5	-2.0%	379.8	-6.0%	-6.8%
	2012	1,820,328	-5.7%	1,826,198	-1.1%	0.3%	381.2	-8.4%	372.1	-10.4%	-2.4%	373.5	-8.3%	425.8	12.1%	14.0%
	2013	1,827,744	0.4%	1,826,441	0.0%	-0.1%	342.2	-10.2%	355.4	-4.5%	3.9%	391.2	4.7%	405.3	-4.8%	3.6%
	2014	1,853,952	1.4%	1,842,213	0.9%	-0.6%	371.1	8.5%	403.5	13.5%	8.7%	406.2	3.8%	411.9	1.6%	1.4%
	2015	1,902,497	2.6%	1,850,531	0.5%	-2.7%	407.6	9.8%	408.4	1.2%	0.2%	419.6	3.3%	442.9	7.5%	5.5%
	2016	1,959,340	3.0%	1,892,924	2.3%	-3.4%	343.2	-15.8%	401.5	-1.7%	17.0%	429.1	2.3%	423.0	-4.5%	-1.4%
	2017	1,906,152	-2.7%	1,906,705	0.7%	0.0%	308.4	-10.1%	362.9	-9.6%	17.7%	423.7	-1.2%	458.6	8.4%	8.2%
Projected	2018	1,971,416	3.4%	1,971,416	3.4%		410.6	33.1%	410.6	13.2%		432.4	2.0%	432.4	-5.7%	
	2019			2,031,173	3.0%				422.5	2.9%				445.0	2.9%	
	2020			2,104,011	3.6%				438.4	3.8%				460.6	3.5%	
	2021			2,145,837	2.0%				446.8	1.9%				469.5	1.9%	
	2022			2,185,236	1.8%				454.9	1.8%				478.0	1.8%	
	2023			2,223,020	1.7%				462.6	1.7%				486.2	1.7%	
	2024			2,261,101	1.7%				470.5	1.7%				494.4	1.7%	
	2025			2,295,285	1.5%				477.5	1.5%				501.9	1.5%	
	2026			2,329,674	1.5%				484.5	1.5%				509.3	1.5%	
	2027			2,362,644	1.4%				491.3	1.4%				516.4	1.4%	
	2028			2,396,094	1.4%				498.2	1.4%				523.7	1.4%	
	2029			2,425,803	1.2%				504.3	1.2%				530.1	1.2%	
	2030			2,456,350	1.3%				510.6	1.2%				536.8	1.3%	
	2031			2,492,985	1.5%				519.1	1.7%				545.7	1.7%	
	2032			2,543,964	2.0%				529.6	2.0%				556.9	2.1%	
	2033			2,587,395	1.7%				538.0	1.6%				565.8	1.6%	
	2034			2,621,052	1.3%				544.6	1.2%				572.8	1.2%	
	2035			2,648,821	1.1%				550.3	1.0%				578.8	1.1%	
	2036			2,677,740	1.1%				556.3	1.1%				585.1	1.1%	
	2037			2,702,885	0.9%				561.5	0.9%				590.5	0.9%	
CAGR [3]	2008-2017		-0.3%		-0.4%			-2.7%		-0.9%			0.1%		1.0%	
	2018-2027				2.0%					2.0%					2.0%	
	2028-2037				1.3%					1.3%					1.3%	

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

[2] The weather-normalized coincident peak demands 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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.42 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	155,850	130,461	137,293	1,947,454	1,959,340
	2017	140,708	121,154	139,794	150,435	177,246	177,339	195,874	204,966	175,032	155,929	138,710	153,437	1,930,624	1,906,152
Projected	2018	156,529	135,835	143,816	148,054	170,791	187,076	196,612	205,639	178,986	159,797	143,974	158,277	1,985,388	1,971,416
	2019	161,715	140,406	147,781	153,027	176,142	192,367	202,425	211,584	183,676	165,930	149,378	163,793	2,048,225	2,031,173
	2020	167,915	146,977	153,216	158,529	182,081	198,694	209,150	218,612	189,736	169,670	152,702	167,323	2,114,606	2,104,011
	2021	171,455	148,688	156,394	161,814	185,739	202,628	213,244	222,829	193,349	172,903	155,618	170,473	2,155,134	2,145,837
	2022	174,607	151,433	159,288	164,813	189,130	206,296	217,070	226,815	196,789	175,980	158,402	173,477	2,194,102	2,185,236
	2023	177,612	154,060	162,062	167,691	192,398	209,822	220,751	230,657	200,108	178,955	161,099	176,385	2,231,600	2,223,020
	2024	180,524	158,022	164,754	170,486	195,575	213,248	224,328	234,390	203,334	181,845	163,717	179,208	2,269,432	2,261,101
	2025	183,351	159,083	167,365	173,197	198,658	216,574	227,802	238,016	206,468	184,654	166,261	181,954	2,303,383	2,295,285
	2026	186,098	161,481	169,893	175,817	201,633	219,777	231,141	241,495	209,471	187,340	168,691	184,570	2,337,407	2,329,674
	2027	188,718	163,773	172,312	178,328	204,487	222,854	234,354	244,848	212,368	189,936	171,041	187,104	2,370,124	2,362,644
Projected	2028	191,257	167,480	174,656	180,762	207,255	225,841	237,473	248,104	215,184	192,460	173,328	189,573	2,403,374	2,396,094
	2029	193,733	168,160	176,943	183,139	209,960	228,759	240,522	251,288	217,939	194,931	175,568	191,990	2,432,931	2,425,803
	2030	196,155	170,281	179,184	185,469	212,610	231,616	243,506	254,404	220,635	197,350	177,762	194,355	2,463,328	2,456,350
	2031	198,651	172,583	181,743	188,260	215,924	235,345	247,574	258,836	224,602	201,062	181,296	198,331	2,504,207	2,492,985
	2032	202,585	177,600	185,419	192,083	220,242	239,997	252,442	263,930	228,976	204,995	184,887	202,210	2,555,366	2,543,964
	2033	206,357	179,309	188,795	195,510	224,034	244,037	256,586	268,156	232,519	208,060	187,555	205,059	2,595,978	2,587,395
	2034	209,218	181,734	191,285	198,034	226,853	247,060	259,687	271,320	235,187	210,394	189,624	207,237	2,627,632	2,621,052
	2035	211,392	183,645	193,311	200,144	229,254	249,646	262,389	274,147	237,636	212,599	191,631	209,400	2,655,196	2,648,821
	2036	213,551	187,148	195,318	202,234	231,628	252,200	265,054	276,932	240,045	214,763	193,598	211,516	2,683,987	2,677,740
	2037	215,664	187,395	197,282	204,279	233,952	254,702	267,666	279,661	242,407	216,884	195,522	213,588	2,709,001	2,702,885

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.7%	6.9%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.7%	7.0%	100.0%
	2017	7.3%	6.3%	7.2%	7.8%	9.2%	9.2%	10.1%	10.6%	9.1%	8.1%	7.2%	7.9%	100.0%
Projected	2018	7.9%	6.8%	7.2%	7.5%	8.6%	9.4%	9.9%	10.4%	9.0%	8.0%	7.3%	8.0%	100.0%
	2019	7.9%	6.9%	7.2%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.1%	7.3%	8.0%	100.0%
	2020	7.9%	7.0%	7.2%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2021	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2022	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2023	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2024	8.0%	7.0%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2025	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2026	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2027	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	6.9%	7.6%	100.0%
	2018-2027	7.9%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	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)

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5/31/2018

FMPA 2018 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	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	344.9	288.0	279.3	379.5	435.7
	2017	345.1	284.4	313.0	380.9	398.2	409.9	419.4	429.8	401.5	359.9	299.9	299.0	345.1	429.8
Projected	2018	413.0	377.5	330.5	338.7	391.5	428.0	419.6	438.5	406.4	367.4	308.6	307.7	413.0	438.5
	2019	424.9	388.5	340.1	348.5	402.9	440.5	431.8	451.2	418.3	378.1	319.7	319.5	424.9	451.2
	2020	440.9	402.9	352.3	361.1	417.3	456.1	447.1	467.4	433.5	391.8	325.8	325.6	440.9	467.4
	2021	449.3	410.7	359.0	368.1	425.3	464.9	455.7	476.4	441.8	399.3	331.8	331.4	449.3	476.4
	2022	457.5	418.1	365.5	374.7	433.0	473.3	463.9	485.0	449.8	406.5	337.4	337.1	457.5	485.0
	2023	465.3	425.2	371.8	381.1	440.4	481.4	471.9	493.3	457.5	413.4	343.1	342.8	465.3	493.3
	2024	473.1	432.4	378.1	387.6	447.8	489.5	479.8	501.7	465.2	420.4	348.3	347.9	473.1	501.7
	2025	480.2	438.9	383.7	393.3	454.5	496.8	487.0	509.2	472.2	426.7	353.5	353.0	480.2	509.2
	2026	487.3	445.4	389.4	399.1	461.2	504.2	494.2	516.7	479.1	433.0	358.4	357.9	487.3	516.7
	2027	494.1	451.6	394.8	404.7	467.7	511.2	501.1	523.9	485.8	439.0	363.4	363.0	494.1	523.9
Projected	2028	501.0	458.0	400.4	410.4	474.2	518.4	508.2	531.3	492.6	445.2	367.9	367.4	501.0	531.3
	2029	507.2	463.6	405.3	415.4	480.1	524.8	514.4	537.8	498.7	450.7	372.5	372.0	507.2	537.8
	2030	513.5	469.4	410.4	420.6	486.1	531.4	520.9	544.6	504.9	456.3	378.7	378.1	513.5	544.6
	2031	522.0	477.2	417.2	427.6	494.1	540.2	529.5	553.6	513.3	463.9	386.5	385.7	522.0	553.6
	2032	532.6	486.9	425.7	436.3	504.2	551.2	540.3	564.9	523.8	473.3	392.7	391.8	532.6	564.9
	2033	541.1	494.6	432.5	443.2	512.2	560.0	548.9	573.9	532.1	480.8	397.5	396.5	541.1	573.9
	2034	547.6	500.6	437.8	448.6	518.4	566.8	555.6	580.9	538.6	486.7	401.7	400.7	547.6	580.9
	2035	553.4	505.9	442.4	453.3	523.9	572.7	561.5	587.0	544.2	491.8	406.1	405.0	553.4	587.0
	2036	559.4	511.4	447.2	458.3	529.5	579.0	567.6	593.4	550.1	497.1	409.9	408.8	559.4	593.4
	2037	564.6	516.1	451.3	462.5	534.5	584.4	572.9	598.9	555.2	501.7	413.8	412.7	564.6	598.9

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.7%	60.9%	68.3%	58.6%	51.0%
	2017	54.8%	63.4%	60.0%	53.1%	66.2%	58.1%	64.9%	64.1%	60.5%	58.2%	62.2%	71.3%	63.9%	51.3%
Projected	2018	50.9%	53.5%	58.5%	58.8%	64.9%	58.7%	65.1%	63.0%	61.2%	58.5%	62.7%	71.4%	54.9%	51.7%
	2019	51.1%	53.8%	58.4%	59.0%	65.1%	58.7%	65.1%	63.0%	61.0%	59.0%	62.8%	71.2%	55.0%	51.8%
	2020	51.2%	52.4%	58.5%	59.0%	64.9%	58.6%	65.0%	62.9%	60.8%	58.2%	63.0%	71.4%	54.7%	51.6%
	2021	51.3%	53.9%	58.5%	59.1%	65.0%	58.6%	65.0%	62.9%	60.8%	58.2%	63.0%	71.4%	54.8%	51.6%
	2022	51.3%	53.9%	58.6%	59.1%	65.0%	58.6%	65.0%	62.9%	60.8%	58.2%	63.1%	71.5%	54.8%	51.6%
	2023	51.3%	53.9%	58.6%	59.1%	65.0%	58.6%	65.0%	62.8%	60.8%	58.2%	63.1%	71.5%	54.8%	51.6%
	2024	51.3%	52.5%	58.6%	59.1%	65.0%	58.6%	64.9%	62.8%	60.7%	58.1%	63.2%	71.5%	54.8%	51.6%
	2025	51.3%	53.9%	58.6%	59.2%	65.0%	58.6%	65.0%	62.8%	60.7%	58.2%	63.2%	71.6%	54.8%	51.6%
	2026	51.3%	54.0%	58.6%	59.2%	65.1%	58.6%	65.0%	62.8%	60.7%	58.2%	63.3%	71.6%	54.8%	51.6%
	2027	51.3%	54.0%	58.6%	58.7%	65.1%	58.6%	64.9%	62.8%	60.7%	58.1%	63.3%	71.6%	54.8%	51.6%
Avg.	2008-2017	53.8%	54.7%	61.4%	58.6%	67.6%	59.6%	65.2%	62.9%	62.8%	59.3%	60.3%	65.5%	55.2%	51.9%
	2018-2027	51.2%	53.6%	58.6%	59.1%	65.0%	58.6%	65.0%	62.9%	60.8%	58.3%	63.1%	71.5%	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 2018 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	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	325.0	285.2	268.6	343.2	429.1
	2017	341.0	280.6	308.4	380.2	386.8	405.7	414.7	423.7	379.4	354.1	295.0	287.9	308.4	423.7
Projected	2018	410.6	376.1	314.6	335.6	382.7	419.9	411.4	432.4	394.1	361.5	303.6	296.3	410.6	432.4
	2019	422.5	387.0	323.8	345.3	393.8	432.1	423.3	445.0	405.5	372.0	314.5	307.1	422.5	445.0
	2020	438.4	401.4	335.0	357.6	407.7	447.3	438.2	460.6	420.2	385.5	320.6	312.9	438.4	460.6
	2021	446.8	409.1	341.5	364.4	415.5	455.9	446.6	469.5	428.2	392.8	326.4	318.6	446.8	469.5
	2022	454.9	416.5	347.6	371.0	423.0	464.2	454.7	478.0	435.9	399.9	332.0	324.0	454.9	478.0
	2023	462.6	423.6	353.6	377.3	430.2	472.1	462.4	486.2	443.4	406.7	337.6	329.5	462.6	486.2
	2024	470.5	430.8	359.6	383.7	437.5	480.1	470.3	494.4	450.9	413.6	342.7	334.4	470.5	494.4
	2025	477.5	437.2	364.9	389.5	444.1	487.3	477.3	501.9	457.6	419.8	347.8	339.3	477.5	501.9
	2026	484.5	443.7	370.3	395.2	450.6	494.5	484.4	509.3	464.4	426.0	352.6	344.1	484.5	509.3
	2027	491.3	449.9	375.5	400.8	457.0	501.5	491.2	516.4	470.9	431.9	357.6	348.9	491.3	516.4
Projected	2028	498.2	456.2	380.8	406.4	463.3	508.5	498.1	523.7	477.5	438.0	362.0	353.2	498.2	523.7
	2029	504.3	461.8	385.5	411.4	469.1	514.8	504.2	530.1	483.3	443.4	366.5	357.6	504.3	530.1
	2030	510.6	467.6	390.3	416.5	474.9	521.2	510.5	536.8	489.4	448.9	372.7	363.5	510.6	536.8
	2031	519.1	475.3	396.8	423.4	482.8	529.9	519.0	545.7	497.5	456.4	380.4	370.8	519.1	545.7
	2032	529.6	485.0	404.9	432.0	492.7	540.8	529.6	556.9	507.6	465.7	386.5	376.6	529.6	556.9
	2033	538.0	492.7	411.3	438.9	500.5	549.4	538.1	565.8	515.7	473.0	391.2	381.2	538.0	565.8
	2034	544.6	498.7	416.4	444.2	506.6	556.1	544.6	572.8	522.0	478.8	395.3	385.2	544.6	572.8
	2035	550.3	504.0	420.7	448.9	511.9	562.0	550.3	578.8	527.5	483.8	399.6	389.4	550.3	578.8
	2036	556.3	509.4	425.3	453.8	517.5	568.1	556.3	585.1	533.2	489.1	403.4	393.0	556.3	585.1
	2037	561.5	514.2	429.3	458.0	522.3	573.4	561.5	590.5	538.1	493.6	407.3	396.8	561.5	590.5

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	99.5%	97.6%	97.5%	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%	94.2%	99.0%	96.2%	90.4%	98.5%
	2017	98.8%	98.7%	98.5%	99.8%	97.1%	99.0%	98.9%	98.6%	94.5%	98.4%	98.4%	96.3%	89.4%	98.6%
Projected	2018	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.3%	99.4%	98.6%
	2019	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.1%	99.4%	98.6%
	2020	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2021	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2022	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2023	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2024	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2025	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2026	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2008-2017	99.3%	99.3%	95.6%	97.7%	97.1%	98.0%	97.4%	98.4%	97.5%	97.8%	93.4%	96.2%	97.1%	98.1%
	2018-2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%

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)

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5/31/2018

FMPA 2018 Load Forecast - Low Economic Case
Total Agency - Supplied
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 [1,2]									
							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	Percent Diff.
Historical	2008	7,091,611	-	7,079,364	-	-0.2%	1,330.2	-	1,346.4	-	1.2%	1,450.1	-	1,464.1		1.0%
	2009	6,847,285	-3.4%	6,819,959	-3.7%	-0.4%	1,418.5	6.6%	1,328.0	-1.4%	-6.4%	1,481.7	2.2%	1,453.9	-0.7%	-1.9%
	2010	6,469,062	-5.5%	6,158,489	-9.7%	-4.8%	1,412.0	-0.5%	1,220.2	-8.1%	-13.6%	1,272.1	-14.1%	1,251.4	-13.9%	-1.6%
	2011	6,147,277	-5.0%	5,917,296	-3.9%	-3.7%	1,258.3	-10.9%	1,245.4	2.1%	-1.0%	1,258.2	-1.1%	1,206.9	-3.6%	-4.1%
	2012	5,914,360	-3.8%	5,954,712	0.6%	0.7%	1,096.7	-12.8%	1,108.0	-11.0%	1.0%	1,203.3	-4.4%	1,312.3	8.7%	9.1%
	2013	5,914,988	0.0%	5,935,282	-0.3%	0.3%	1,009.9	-7.9%	1,033.6	-6.7%	2.3%	1,222.0	1.6%	1,271.6	-3.1%	4.1%
	2014	5,733,592	-3.1%	5,654,586	-4.7%	-1.4%	996.9	-1.3%	1,129.0	9.2%	13.2%	1,185.1	-3.0%	1,192.4	-6.2%	0.6%
	2015	5,777,052	0.8%	5,618,961	-0.6%	-2.7%	1,128.5	13.2%	1,050.6	-6.9%	-6.9%	1,194.4	0.8%	1,246.3	4.5%	4.4%
	2016	5,981,790	3.5%	5,783,323	2.9%	-3.3%	1,009.9	-10.5%	1,095.0	4.2%	8.4%	1,267.7	6.1%	1,245.4	-0.1%	-1.8%
	2017	5,827,865	-2.6%	5,805,277	0.4%	-0.4%	919.8	-8.9%	974.3	-11.0%	5.9%	1,236.7	-2.4%	1,327.2	6.6%	7.3%
Projected	2018	5,938,084	1.9%	5,938,084	2.3%		1,086.5	18.1%	1,086.5	11.5%		1,247.9	0.9%	1,247.9	-6.0%	
	2019			5,958,071	0.3%				1,087.2	0.1%				1,248.6	0.1%	
	2020			5,976,447	0.3%				1,092.0	0.4%				1,253.1	0.4%	
	2021			5,977,260	0.0%				1,092.8	0.1%				1,254.4	0.1%	
	2022			5,994,135	0.3%				1,096.3	0.3%				1,258.8	0.3%	
	2023			6,019,584	0.4%				1,101.1	0.4%				1,264.6	0.5%	
	2024			6,053,462	0.6%				1,107.3	0.6%				1,272.1	0.6%	
	2025			6,079,262	0.4%				1,112.0	0.4%				1,277.7	0.4%	
	2026			6,109,556	0.5%				1,117.5	0.5%				1,284.2	0.5%	
	2027			6,138,493	0.5%				1,122.7	0.5%				1,290.5	0.5%	
	2028			6,171,421	0.5%				1,128.6	0.5%				1,297.6	0.6%	
	2029			6,195,614	0.4%				1,133.0	0.4%				1,302.9	0.4%	
	2030			6,224,503	0.5%				1,138.2	0.5%				1,309.1	0.5%	
	2031			6,257,454	0.5%				1,145.0	0.6%				1,317.0	0.6%	
	2032			6,304,661	0.8%				1,154.0	0.8%				1,327.3	0.8%	
	2033			6,339,423	0.6%				1,160.3	0.5%				1,334.4	0.5%	
	2034			6,369,656	0.5%				1,165.5	0.5%				1,340.6	0.5%	
	2035			6,394,912	0.4%				1,170.1	0.4%				1,346.1	0.4%	
	2036			6,350,486	-0.7%				1,160.3	-0.8%				1,336.7	-0.7%	
	2037			6,371,244	0.3%				1,164.1	0.3%				1,341.3	0.3%	
CAGR [3]	2008-2017		-2.2%		-2.2%			-4.0%		-3.5%			-1.8%		-1.1%	
	2018-2027				0.4%					0.4%					0.4%	
	2028-2037				0.4%					0.3%					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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.75 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	481,763	397,590	424,514	5,924,706	5,981,790
	2017	420,501	369,488	422,913	462,373	543,871	546,093	610,626	626,595	521,538	485,964	416,349	446,222	5,872,532	5,827,865
Projected	2018	459,660	403,314	429,124	445,995	513,759	563,572	607,965	620,135	546,026	494,037	421,257	448,951	5,953,795	5,938,084
	2019	462,352	405,339	429,231	446,776	514,102	563,265	607,719	619,721	545,319	495,775	422,861	450,581	5,963,043	5,958,071
	2020	463,842	410,337	429,943	447,369	514,635	564,174	608,981	621,234	546,716	495,090	421,984	449,724	5,974,028	5,976,447
	2021	464,251	406,707	430,416	447,879	515,325	565,116	610,166	622,570	548,032	495,938	422,726	450,658	5,979,785	5,977,260
	2022	465,368	407,705	431,541	449,106	516,929	566,981	612,293	624,820	550,070	497,813	424,310	452,400	5,999,335	5,994,135
	2023	467,233	409,327	433,297	450,947	519,191	569,520	615,114	627,749	552,684	500,125	426,255	454,520	6,025,961	6,019,584
	2024	469,503	415,504	435,381	453,104	521,807	572,425	618,300	631,006	555,533	502,663	428,340	456,736	6,060,301	6,053,462
	2025	471,831	413,303	437,490	455,265	524,396	575,282	621,421	634,198	558,337	505,178	430,433	458,990	6,086,123	6,079,262
	2026	474,209	415,345	439,633	457,462	527,024	578,177	624,574	637,402	561,130	507,658	432,468	461,150	6,116,232	6,109,556
	2027	476,475	417,292	441,670	459,547	529,514	580,920	627,562	640,445	563,793	510,034	434,431	463,250	6,144,931	6,138,493
Projected	2028	478,696	423,562	443,675	461,608	531,988	583,657	630,555	643,498	566,467	512,420	436,397	465,349	6,177,873	6,171,421
	2029	480,906	421,118	445,685	463,669	534,455	586,386	633,538	646,546	569,143	514,816	438,384	467,481	6,202,128	6,195,614
	2030	483,165	423,057	447,721	465,760	536,961	589,156	636,560	649,619	571,824	517,199	440,338	469,555	6,230,914	6,224,503
	2031	485,440	425,103	449,959	468,155	539,901	592,505	640,306	653,598	575,395	520,507	443,293	472,855	6,267,017	6,257,454
	2032	488,814	432,533	453,051	471,345	543,616	596,575	644,681	658,101	579,289	523,989	446,284	476,065	6,314,345	6,304,661
	2033	492,052	430,816	455,914	474,228	546,924	600,173	648,498	661,936	582,544	526,801	448,567	478,488	6,346,940	6,339,423
	2034	494,593	432,929	458,069	476,386	549,449	602,945	651,461	664,897	585,072	529,002	450,347	480,340	6,375,490	6,369,656
	2035	496,549	434,611	459,832	478,197	551,620	605,345	654,083	667,571	587,414	525,225	446,701	476,362	6,383,511	6,394,912
	2036	492,449	435,723	456,210	474,662	547,486	600,785	649,153	662,773	582,957	527,303	448,415	478,189	6,356,105	6,350,486
	2037	494,392	432,803	457,995	476,498	549,695	603,238	651,843	665,516	585,357	521,342	442,820	471,947	6,353,446	6,371,244

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.4%	8.7%	9.9%	10.9%	10.4%	9.4%	8.1%	6.7%	7.2%	100.0%
	2017	7.2%	6.3%	7.2%	7.9%	9.3%	9.3%	10.4%	10.7%	8.9%	8.3%	7.1%	7.6%	100.0%
Projected	2018	7.7%	6.8%	7.2%	7.5%	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%	7.5%	8.6%	9.4%	10.2%	10.4%	9.1%	8.3%	7.1%	7.6%	100.0%
	2020	7.8%	6.9%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2021	7.8%	6.8%	7.2%	7.5%	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%	7.5%	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%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2024	7.7%	6.9%	7.2%	7.5%	8.6%	9.4%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2025	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2026	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
	2027	7.8%	6.8%	7.2%	7.5%	8.6%	9.5%	10.2%	10.4%	9.2%	8.3%	7.1%	7.5%	100.0%
Avg.	2008-2017	7.6%	6.7%	7.2%	7.6%	8.9%	9.6%	10.2%	10.3%	9.3%	8.2%	6.9%	7.4%	100.0%
	2018-2027	7.8%	6.8%	7.2%	7.5%	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).

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5/31/2018

FMPA 2018 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	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	1,067.3	864.6	884.5	1,061.1	1,291.2
	2017	981.0	845.4	971.0	1,111.6	1,194.5	1,201.3	1,251.4	1,267.4	1,203.9	1,079.4	906.1	887.7	981.0	1,267.4
Projected	2018	1,146.8	1,029.9	997.3	1,006.5	1,146.5	1,243.0	1,251.3	1,276.6	1,195.1	1,092.8	901.4	888.5	1,146.8	1,276.6
	2019	1,147.7	1,030.8	997.8	1,007.2	1,147.2	1,243.7	1,252.1	1,277.3	1,195.8	1,093.4	906.7	894.1	1,147.7	1,277.3
	2020	1,152.0	1,035.0	1,001.2	1,010.9	1,151.5	1,248.3	1,256.6	1,282.3	1,200.5	1,097.5	906.0	892.9	1,152.0	1,282.3
	2021	1,152.9	1,035.8	1,002.3	1,012.0	1,152.7	1,249.6	1,257.9	1,283.6	1,201.7	1,098.7	909.2	895.7	1,152.9	1,283.6
	2022	1,156.4	1,039.0	1,005.9	1,015.4	1,156.6	1,253.8	1,262.1	1,288.0	1,205.8	1,102.5	913.0	899.6	1,156.4	1,288.0
	2023	1,161.3	1,043.4	1,010.6	1,020.0	1,161.9	1,259.5	1,267.9	1,293.9	1,211.4	1,107.5	918.1	904.6	1,161.3	1,293.9
	2024	1,167.6	1,049.1	1,016.7	1,026.0	1,168.7	1,266.8	1,275.3	1,301.5	1,218.5	1,114.0	921.9	908.3	1,167.6	1,301.5
	2025	1,172.5	1,053.4	1,021.2	1,030.4	1,173.8	1,272.4	1,280.9	1,307.2	1,223.8	1,118.9	926.4	912.7	1,172.5	1,307.2
	2026	1,178.0	1,058.4	1,026.5	1,035.6	1,179.7	1,278.8	1,287.3	1,313.9	1,230.0	1,124.8	930.6	916.9	1,178.0	1,313.9
	2027	1,183.4	1,063.2	1,031.5	1,040.6	1,185.4	1,284.9	1,293.5	1,320.2	1,235.9	1,130.0	935.5	921.7	1,183.4	1,320.2
Projected	2028	1,189.5	1,068.7	1,037.3	1,046.3	1,191.9	1,291.9	1,300.6	1,327.5	1,242.7	1,136.2	939.1	925.2	1,189.5	1,327.5
	2029	1,194.0	1,072.8	1,041.5	1,050.5	1,196.6	1,297.1	1,305.8	1,332.8	1,247.8	1,140.8	943.3	929.4	1,194.0	1,332.8
	2030	1,199.4	1,077.6	1,046.6	1,055.5	1,202.3	1,303.2	1,312.0	1,339.2	1,253.7	1,146.2	948.7	934.6	1,199.4	1,339.2
	2031	1,206.3	1,083.8	1,052.8	1,061.7	1,209.4	1,310.9	1,319.8	1,347.1	1,261.1	1,153.0	955.9	941.6	1,206.3	1,347.1
	2032	1,215.5	1,092.1	1,061.0	1,069.8	1,218.7	1,321.0	1,329.9	1,357.6	1,270.8	1,161.9	960.8	946.3	1,215.5	1,357.6
	2033	1,221.8	1,097.8	1,066.5	1,075.4	1,225.1	1,328.0	1,336.9	1,364.8	1,277.5	1,167.9	965.1	950.5	1,221.8	1,364.8
	2034	1,227.2	1,102.7	1,071.5	1,080.3	1,230.8	1,334.1	1,343.1	1,371.1	1,283.4	1,173.3	968.8	954.2	1,227.2	1,371.1
	2035	1,232.0	1,106.9	1,075.9	1,084.6	1,235.7	1,339.5	1,348.5	1,376.6	1,288.6	1,165.3	962.4	945.5	1,232.0	1,376.6
	2036	1,221.7	1,097.4	1,068.9	1,077.3	1,227.5	1,330.5	1,339.4	1,367.1	1,280.0	1,170.9	965.4	948.5	1,221.7	1,367.1
	2037	1,225.7	1,100.9	1,072.6	1,080.9	1,231.7	1,334.9	1,343.9	1,371.7	1,284.3	1,156.2	954.0	934.9	1,225.7	1,371.7

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.8%	66.7%	63.7%	52.4%
	2017	57.6%	65.0%	58.5%	55.9%	67.8%	61.1%	67.8%	66.5%	60.2%	60.5%	61.8%	69.8%	68.3%	52.9%
Projected	2018	53.9%	58.3%	57.8%	59.6%	66.7%	60.9%	67.5%	65.3%	63.5%	60.8%	62.8%	70.2%	59.3%	53.2%
	2019	54.1%	58.5%	57.8%	59.6%	66.7%	60.9%	67.4%	65.2%	63.3%	60.9%	62.7%	70.0%	59.3%	53.3%
	2020	54.1%	57.0%	57.7%	59.5%	66.5%	60.7%	67.3%	65.1%	63.3%	60.6%	62.6%	70.0%	59.2%	53.2%
	2021	54.1%	58.4%	57.7%	59.5%	66.5%	60.8%	67.4%	65.2%	63.3%	60.7%	62.5%	69.9%	59.2%	53.2%
	2022	54.1%	58.4%	57.7%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.5%	69.8%	59.2%	53.2%
	2023	54.1%	58.4%	57.6%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.4%	69.8%	59.2%	53.2%
	2024	54.0%	56.9%	57.6%	59.4%	66.4%	60.7%	67.3%	65.2%	63.3%	60.6%	62.4%	69.8%	59.3%	53.2%
	2025	54.1%	58.4%	57.6%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.5%	69.8%	59.3%	53.1%
	2026	54.1%	58.4%	57.6%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.5%	69.9%	59.3%	53.1%
	2027	54.1%	58.4%	57.6%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.4%	69.8%	59.3%	53.1%
Avg.	2008-2017	55.5%	57.2%	61.6%	60.2%	69.7%	62.1%	68.1%	65.7%	64.7%	61.2%	59.9%	66.0%	59.1%	53.6%
	2018-2027	54.1%	58.1%	57.7%	59.4%	66.5%	60.8%	67.4%	65.2%	63.4%	60.7%	62.5%	69.9%	59.2%	53.2%

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)

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5/31/2018

FMPA 2018 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	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	1,258.2	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	989.2	843.2	827.1	1,009.9	1,267.7
	2017	862.8	831.4	919.8	1,105.8	1,174.1	1,178.1	1,215.9	1,236.7	1,157.4	1,051.8	855.1	827.9	919.8	1,236.7
Projected	2018	1,086.5	990.1	940.9	978.9	1,115.2	1,209.8	1,214.6	1,247.9	1,147.1	1,065.0	850.8	828.5	1,086.5	1,247.9
	2019	1,087.2	990.8	941.2	979.5	1,115.8	1,210.5	1,215.4	1,248.6	1,147.8	1,065.6	856.0	833.2	1,087.2	1,248.6
	2020	1,092.0	994.9	944.0	982.8	1,119.7	1,214.9	1,219.6	1,253.1	1,152.2	1,069.6	855.2	832.1	1,092.0	1,253.1
	2021	1,092.8	995.7	945.2	983.9	1,120.9	1,216.2	1,220.8	1,254.4	1,153.4	1,070.8	858.3	834.8	1,092.8	1,254.4
	2022	1,096.3	998.8	948.6	987.3	1,124.8	1,220.4	1,225.0	1,258.8	1,157.4	1,074.5	862.0	838.6	1,096.3	1,258.8
	2023	1,101.1	1,003.2	953.2	991.9	1,129.9	1,226.0	1,230.6	1,264.6	1,162.8	1,079.5	866.9	843.4	1,101.1	1,264.6
	2024	1,107.3	1,008.9	959.0	997.7	1,136.6	1,233.2	1,237.9	1,272.1	1,169.6	1,085.9	870.5	847.0	1,107.3	1,272.1
	2025	1,112.0	1,013.2	963.4	1,002.1	1,141.6	1,238.6	1,243.3	1,277.7	1,174.8	1,090.7	874.8	851.2	1,112.0	1,277.7
	2026	1,117.5	1,018.1	968.5	1,007.3	1,147.4	1,245.0	1,249.6	1,284.2	1,180.8	1,096.3	878.8	855.2	1,117.5	1,284.2
	2027	1,122.7	1,022.9	973.3	1,012.1	1,153.0	1,251.0	1,255.7	1,290.5	1,186.5	1,101.6	883.5	859.9	1,122.7	1,290.5
Projected	2028	1,128.6	1,028.3	978.9	1,017.7	1,159.4	1,257.9	1,262.6	1,297.6	1,193.1	1,107.7	886.9	863.2	1,128.6	1,297.6
	2029	1,133.0	1,032.3	983.0	1,021.9	1,164.0	1,263.0	1,267.7	1,302.9	1,197.9	1,112.2	891.0	867.3	1,133.0	1,302.9
	2030	1,138.2	1,037.1	987.8	1,026.7	1,169.6	1,269.0	1,273.8	1,309.1	1,203.6	1,117.5	896.2	872.3	1,138.2	1,309.1
	2031	1,145.0	1,043.3	993.8	1,032.8	1,176.6	1,276.6	1,281.4	1,317.0	1,210.8	1,124.2	903.1	879.0	1,145.0	1,317.0
	2032	1,154.0	1,051.5	1,001.6	1,040.9	1,185.7	1,286.6	1,291.3	1,327.3	1,220.2	1,132.9	907.8	883.5	1,154.0	1,327.3
	2033	1,160.3	1,057.2	1,007.0	1,046.3	1,192.0	1,293.5	1,298.1	1,334.4	1,226.7	1,138.8	912.0	887.6	1,160.3	1,334.4
	2034	1,165.5	1,062.0	1,011.7	1,051.2	1,197.5	1,299.5	1,304.1	1,340.6	1,232.3	1,144.1	915.5	891.1	1,165.5	1,340.6
	2035	1,170.1	1,066.2	1,015.9	1,055.4	1,202.3	1,304.7	1,309.4	1,346.1	1,237.3	1,136.7	909.2	883.3	1,170.1	1,346.1
	2036	1,160.3	1,056.6	1,009.5	1,048.2	1,194.2	1,296.1	1,300.7	1,336.7	1,229.4	1,142.2	912.1	886.2	1,160.3	1,336.7
	2037	1,164.1	1,060.1	1,013.0	1,051.7	1,198.3	1,300.4	1,305.1	1,341.3	1,233.5	1,128.4	901.0	874.2	1,164.1	1,341.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	97.5%	93.5%	95.2%	98.2%
	2017	88.0%	98.3%	94.7%	99.5%	98.3%	98.1%	97.2%	97.6%	96.1%	97.5%	94.4%	93.3%	93.8%	97.6%
Projected	2018	94.7%	96.1%	94.3%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.2%	94.7%	97.8%
	2019	94.7%	96.1%	94.3%	97.2%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.2%	94.7%	97.8%
	2020	94.8%	96.1%	94.3%	97.2%	97.2%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2021	94.8%	96.1%	94.3%	97.2%	97.2%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2022	94.8%	96.1%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2023	94.8%	96.1%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2024	94.8%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2025	94.8%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.8%	97.7%
	2026	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2027	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2008-2017	94.7%	95.4%	94.2%	96.4%	96.8%	97.2%	96.5%	97.4%	95.8%	97.0%	92.9%	93.0%	96.4%	97.5%
	2018-2027	94.8%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%

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)

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5/31/2018

FMPA 2018 Load Forecast - Low Economic Case
FP&L Cities - Supplied
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	3,682,412	-	3,644,271	-	-1.0%	670.8	-	692.1	-	3.2%	719.7	-	729.0	-	1.3%
	2009	3,516,717	-4.5%	3,503,890	-3.9%	-0.4%	709.9	5.8%	652.6	-5.7%	-8.1%	731.3	1.6%	698.7	-4.2%	-4.5%
	2010	3,044,869	-13.4%	2,916,556	-16.8%	-4.2%	631.0	-11.1%	523.5	-19.8%	-17.0%	553.1	-24.4%	542.9	-22.3%	-1.8%
	2011	2,805,902	-7.8%	2,711,488	-7.0%	-3.4%	544.4	-13.7%	545.0	4.1%	0.1%	534.8	-3.3%	513.7	-5.4%	-3.9%
	2012	2,709,712	-3.4%	2,731,112	0.7%	0.8%	469.7	-13.7%	485.7	-10.9%	3.4%	527.2	-1.4%	549.9	7.0%	4.3%
	2013	2,693,753	-0.6%	2,710,017	-0.8%	0.6%	425.0	-9.5%	448.3	-7.7%	5.5%	524.0	-0.6%	538.6	-2.1%	2.8%
	2014	2,437,324	-9.5%	2,396,472	-11.6%	-1.7%	384.4	-9.5%	437.3	-2.5%	13.7%	452.1	-13.7%	460.2	-14.6%	1.8%
	2015	2,366,430	-2.9%	2,315,072	-3.4%	-2.2%	456.4	18.7%	405.7	-7.2%	-11.1%	444.3	-1.7%	465.3	1.1%	4.7%
	2016	2,436,956	3.0%	2,368,506	2.3%	-2.8%	390.9	-14.3%	428.9	5.7%	9.7%	484.9	9.1%	472.0	1.4%	-2.7%
	2017	2,341,144	-3.9%	2,313,898	-2.3%	-1.2%	344.6	-11.9%	346.6	-19.2%	0.6%	467.3	-3.6%	490.1	3.8%	4.9%
Projected	2018	2,352,086	0.5%	2,352,086	1.7%		413.6	20.1%	413.6	19.4%		462.2	-1.1%	462.2	-5.7%	
	2019			2,366,526	0.6%				414.7	0.3%				463.6	0.3%	
	2020			2,359,962	-0.3%				412.8	-0.4%				461.9	-0.4%	
	2021			2,354,143	-0.2%				412.2	-0.2%				461.3	-0.1%	
	2022			2,351,315	-0.1%				412.0	0.0%				461.0	-0.1%	
	2023			2,352,494	0.1%				412.4	0.1%				461.3	0.1%	
	2024			2,355,072	0.1%				413.0	0.2%				461.9	0.1%	
	2025			2,358,248	0.1%				413.8	0.2%				462.6	0.1%	
	2026			2,361,696	0.1%				414.5	0.2%				463.3	0.1%	
	2027			2,365,048	0.1%				415.2	0.2%				463.9	0.1%	
	2028			2,368,622	0.2%				416.0	0.2%				464.7	0.2%	
	2029			2,372,274	0.2%				416.8	0.2%				465.4	0.2%	
	2030			2,376,183	0.2%				417.6	0.2%				466.2	0.2%	
	2031			2,380,153	0.2%				418.4	0.2%				467.0	0.2%	
	2032			2,384,341	0.2%				419.3	0.2%				467.9	0.2%	
	2033			2,388,397	0.2%				420.2	0.2%				468.7	0.2%	
	2034			2,392,542	0.2%				421.1	0.2%				469.6	0.2%	
	2035			2,396,580	0.2%				422.0	0.2%				470.4	0.2%	
	2036			2,326,692	-2.9%				407.6	-3.4%				455.5	-3.2%	
	2037			2,330,566	0.2%				408.5	0.2%				456.3	0.2%	
CAGR [3]	2008-2017		-4.9%		-4.9%			-7.1%		-7.4%			-4.7%		-4.3%	
	2018-2027				0.1%					0.0%					0.0%	
	2028-2037				-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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.75 MW beginning Jan-20

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	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	CY Total	FY Total
Historical	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	196,875	162,861	175,563	2,407,707	2,436,956
	2017	170,310	151,110	171,235	184,929	216,561	221,569	247,242	248,927	193,963	195,778	166,186	172,712	2,340,522	2,341,144
Projected	2018	180,066	160,616	169,738	179,918	200,551	222,152	242,169	244,504	217,696	200,323	168,497	174,552	2,360,782	2,352,086
	2019	181,710	161,928	170,205	180,389	201,061	222,602	242,505	244,776	217,977	200,920	169,067	175,104	2,368,245	2,366,526
	2020	181,195	161,379	169,358	179,452	199,968	221,547	241,371	243,630	216,971	199,685	167,854	173,802	2,356,211	2,359,962
	2021	180,871	161,084	169,210	179,274	199,731	221,279	241,091	243,401	216,862	199,197	167,507	173,488	2,352,995	2,354,143
	2022	180,571	160,829	168,982	179,070	199,549	221,105	240,940	243,285	216,793	199,160	167,511	173,512	2,351,306	2,351,315
	2023	180,622	160,870	169,048	179,159	199,681	221,271	241,143	243,509	217,008	199,300	167,651	173,663	2,352,926	2,352,494
	2024	180,809	161,159	169,205	179,333	199,899	221,525	241,435	243,812	217,280	199,546	167,866	173,882	2,355,752	2,355,072
	2025	181,060	161,247	169,438	179,576	200,188	221,852	241,800	244,183	217,608	199,838	168,117	174,138	2,359,046	2,358,248
	2026	181,346	161,484	169,675	179,822	200,476	222,176	242,158	244,543	217,923	200,116	168,352	174,374	2,362,445	2,361,696
	2027	181,610	161,712	169,905	180,063	200,759	222,496	242,515	244,904	218,242	200,398	168,594	174,619	2,365,816	2,365,048
Projected	2028	181,887	162,081	170,136	180,306	201,046	222,824	242,883	245,277	218,572	200,693	168,845	174,874	2,369,425	2,368,622
	2029	182,173	162,204	170,404	180,584	201,372	223,195	243,295	245,694	218,940	201,019	169,123	175,158	2,373,162	2,372,274
	2030	182,492	162,467	170,669	180,861	201,697	223,567	243,709	246,113	219,308	201,345	169,398	175,438	2,377,065	2,376,183
	2031	182,804	162,736	170,942	181,146	202,031	223,949	244,133	246,543	219,687	201,682	169,683	175,729	2,381,066	2,380,153
	2032	183,130	163,149	171,217	181,434	202,369	224,337	244,564	246,979	220,068	202,019	169,968	176,017	2,385,251	2,384,341
	2033	183,453	163,300	171,511	181,737	202,725	224,745	245,015	247,437	220,468	202,370	170,265	176,319	2,389,346	2,388,397
	2034	183,794	163,580	171,792	182,028	203,069	225,140	245,453	247,880	220,853	202,709	170,550	176,608	2,393,456	2,392,542
	2035	184,121	163,855	172,066	182,313	203,405	225,525	245,881	248,313	221,232	197,174	165,457	171,073	2,380,417	2,396,580
	2036	178,400	159,090	166,964	177,262	197,447	218,962	238,766	241,282	214,814	197,493	165,725	171,344	2,327,550	2,326,692
	2037	178,709	159,229	167,245	177,552	197,788	219,355	239,203	241,724	215,198	189,731	158,662	163,527	2,307,924	2,330,566

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	6.7%	7.3%	7.4%	8.7%	9.8%	10.9%	10.4%	9.3%	8.2%	6.8%	7.3%	100.0%
	2017	7.3%	6.5%	7.3%	7.9%	9.3%	9.5%	10.6%	10.6%	8.3%	8.4%	7.1%	7.4%	100.0%
Projected	2018	7.6%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2019	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2020	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2021	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2022	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2023	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2024	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	100.0%
	2025	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2026	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
	2027	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.3%	10.4%	9.2%	8.5%	7.1%	7.4%	100.0%
Avg.	2008-2017	7.5%	6.8%	7.3%	7.6%	8.9%	9.6%	10.2%	10.3%	9.2%	8.3%	7.0%	7.3%	100.0%
	2018-2027	7.7%	6.8%	7.2%	7.6%	8.5%	9.4%	10.2%	10.3%	9.2%	8.5%	7.1%	7.4%	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)

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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	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	469.9	455.3	408.9	401.6	358.8	478.3	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	423.9	344.6	363.7	437.5	501.8
	2017	411.0	333.6	388.3	411.6	456.4	458.5	480.1	485.1	461.3	413.7	369.7	364.7	411.0	485.1
Projected	2018	464.4	410.6	369.6	384.6	435.0	470.2	481.6	479.7	452.5	414.4	365.4	365.9	464.4	481.6
	2019	465.6	411.8	370.8	385.9	436.3	471.6	483.1	481.2	453.9	415.6	366.3	366.3	465.6	483.1
	2020	463.3	410.1	369.1	384.3	434.7	470.0	481.5	479.5	452.3	414.0	364.3	363.9	463.3	481.5
	2021	462.6	409.5	368.7	383.8	434.1	469.3	480.8	478.9	451.6	413.5	364.3	363.7	462.6	480.8
	2022	462.3	409.3	368.4	383.5	433.8	469.0	480.5	478.6	451.3	413.2	364.4	364.0	462.3	480.5
	2023	462.7	409.6	368.6	383.8	434.1	469.3	480.8	478.9	451.7	413.4	364.9	364.5	462.7	480.8
	2024	463.4	410.2	369.0	384.2	434.6	469.9	481.4	479.5	452.2	413.9	365.3	365.0	463.4	481.4
	2025	464.2	410.8	369.5	384.7	435.3	470.6	482.1	480.2	452.9	414.5	365.9	365.5	464.2	482.1
	2026	465.0	411.5	370.0	385.3	435.9	471.3	482.9	480.9	453.5	415.1	366.4	366.1	465.0	482.9
	2027	465.7	412.2	370.5	385.8	436.5	471.9	483.6	481.6	454.2	415.7	366.9	366.7	465.7	483.6
Projected	2028	466.5	412.9	371.1	386.4	437.2	472.7	484.3	482.4	454.9	416.3	367.4	367.2	466.5	484.3
	2029	467.4	413.6	371.6	387.0	437.9	473.4	485.1	483.2	455.6	416.9	368.0	367.9	467.4	485.1
	2030	468.3	414.3	372.2	387.6	438.6	474.2	486.0	484.0	456.4	417.6	368.6	368.5	468.3	486.0
	2031	469.2	415.1	372.8	388.2	439.4	475.0	486.8	484.8	457.2	418.3	369.3	369.2	469.2	486.8
	2032	470.1	416.0	373.4	388.9	440.2	475.9	487.7	485.7	458.0	419.0	369.9	369.9	470.1	487.7
	2033	471.1	416.8	374.0	389.6	440.9	476.7	488.6	486.5	458.8	419.7	370.6	370.6	471.1	488.6
	2034	472.0	417.6	374.6	390.2	441.7	477.5	489.5	487.4	459.5	420.5	371.2	371.2	472.0	489.5
	2035	472.9	418.4	375.2	390.9	442.5	478.4	490.4	488.3	460.4	408.8	361.0	358.9	472.9	490.4
	2036	458.1	404.7	363.7	379.1	429.2	463.9	475.8	473.1	446.5	409.1	361.5	359.5	458.1	475.8
	2037	459.0	405.5	364.3	379.7	430.0	464.7	476.6	473.9	447.3	391.2	347.0	342.9	459.0	476.6

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	62.4%	63.5%	67.0%	62.8%	54.8%
	2017	55.7%	67.4%	59.3%	60.4%	70.6%	65.0%	71.5%	69.0%	58.4%	63.6%	60.4%	65.8%	65.0%	55.1%
Projected	2018	52.1%	58.2%	61.7%	62.9%	68.6%	63.5%	69.8%	68.5%	66.8%	65.0%	62.0%	66.3%	58.0%	56.0%
	2019	52.5%	58.5%	61.7%	62.8%	68.6%	63.4%	69.7%	68.4%	66.7%	65.0%	62.0%	66.4%	58.1%	56.0%
	2020	52.6%	56.5%	61.7%	62.8%	68.5%	63.4%	69.6%	68.3%	66.6%	64.8%	61.9%	66.3%	58.1%	55.9%
	2021	52.6%	58.5%	61.7%	62.8%	68.5%	63.4%	69.6%	68.3%	66.7%	64.8%	61.8%	66.3%	58.1%	55.9%
	2022	52.5%	58.5%	61.7%	62.8%	68.5%	63.4%	69.6%	68.3%	66.7%	64.8%	61.8%	66.2%	58.1%	55.9%
	2023	52.5%	58.4%	61.6%	62.7%	68.4%	63.4%	69.7%	68.3%	66.7%	64.8%	61.8%	66.2%	58.0%	55.9%
	2024	52.4%	56.5%	61.6%	62.7%	68.4%	63.4%	69.7%	68.3%	66.7%	64.8%	61.8%	66.2%	58.0%	55.9%
	2025	52.4%	58.4%	61.6%	62.7%	68.4%	63.4%	69.7%	68.3%	66.7%	64.8%	61.8%	66.2%	58.0%	55.9%
	2026	52.4%	58.4%	61.6%	62.7%	68.4%	63.4%	69.7%	68.3%	66.7%	64.8%	61.8%	66.2%	58.0%	55.9%
	2027	52.4%	58.4%	61.6%	62.7%	68.4%	63.4%	69.7%	68.3%	66.7%	64.8%	61.8%	66.1%	58.0%	55.8%
Avg.	2008-2017	55.4%	57.8%	62.4%	62.7%	72.8%	64.9%	70.9%	68.9%	66.8%	64.0%	60.2%	65.7%	59.2%	56.0%
	2018-2027	52.4%	58.0%	61.7%	62.8%	68.5%	63.4%	69.7%	68.4%	66.7%	64.8%	61.8%	66.2%	58.0%	55.9%

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)

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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	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	434.3	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	365.9	333.5	328.8	390.9	484.9
	2017	306.6	323.4	344.6	406.6	447.4	440.6	461.4	467.3	446.0	396.8	335.5	323.6	344.6	467.3
Projected	2018	413.6	375.0	338.3	363.8	417.1	448.2	461.1	462.2	428.6	397.4	331.6	324.5	413.6	462.2
	2019	414.7	376.0	339.3	364.9	418.4	449.5	462.5	463.6	429.9	398.6	332.4	324.8	414.7	463.6
	2020	412.8	374.2	337.6	363.4	416.8	447.9	460.9	461.9	428.3	397.1	330.4	322.5	412.8	461.9
	2021	412.2	373.6	337.2	362.9	416.2	447.3	460.3	461.3	427.7	396.5	330.4	322.3	412.2	461.3
	2022	412.0	373.5	336.9	362.6	415.9	447.0	460.0	461.0	427.4	396.2	330.5	322.6	412.0	461.0
	2023	412.4	373.8	337.2	362.9	416.2	447.3	460.3	461.3	427.8	396.5	331.0	323.1	412.4	461.3
	2024	413.0	374.4	337.6	363.3	416.7	447.9	460.9	461.9	428.3	397.0	331.4	323.6	413.0	461.9
	2025	413.8	375.1	338.0	363.8	417.3	448.5	461.6	462.6	428.9	397.5	331.8	324.1	413.8	462.6
	2026	414.5	375.7	338.5	364.3	417.9	449.2	462.3	463.3	429.5	398.1	332.3	324.6	414.5	463.3
	2027	415.2	376.4	339.0	364.8	418.6	449.8	463.0	463.9	430.2	398.6	332.8	325.2	415.2	463.9
Projected	2028	416.0	377.0	339.5	365.3	419.2	450.5	463.7	464.7	430.8	399.2	333.3	325.7	416.0	464.7
	2029	416.8	377.8	340.0	365.9	419.9	451.2	464.5	465.4	431.5	399.9	333.8	326.3	416.8	465.4
	2030	417.6	378.5	340.6	366.5	420.6	452.0	465.3	466.2	432.3	400.5	334.4	326.9	417.6	466.2
	2031	418.4	379.3	341.1	367.1	421.3	452.8	466.1	467.0	433.0	401.2	335.0	327.5	418.4	467.0
	2032	419.3	380.1	341.7	367.7	422.1	453.6	467.0	467.9	433.8	401.9	335.5	328.1	419.3	467.9
	2033	420.2	380.9	342.3	368.3	422.8	454.4	467.9	468.7	434.5	402.5	336.1	328.8	420.2	468.7
	2034	421.1	381.7	342.9	369.0	423.5	455.2	468.7	469.6	435.3	403.2	336.7	329.4	421.1	469.6
	2035	422.0	382.4	343.4	369.6	424.3	456.0	469.6	470.4	436.1	391.9	326.8	318.1	422.0	470.4
	2036	407.6	368.8	332.6	357.9	411.2	441.9	455.5	455.5	423.0	392.5	327.3	318.6	407.6	455.5
	2037	408.5	369.6	333.1	358.5	411.9	442.7	456.3	456.3	423.7	375.5	313.1	303.8	408.5	456.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	86.3%	96.8%	90.4%	89.3%	96.6%
	2017	74.6%	96.9%	88.7%	98.8%	98.0%	96.1%	96.1%	96.3%	96.7%	95.9%	90.7%	88.7%	83.8%	96.3%
Projected	2018	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	96.0%
	2019	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	96.0%
	2020	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2021	89.1%	91.2%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2022	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2023	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2024	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2025	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2026	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2027	89.2%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2008-2017	89.6%	90.7%	91.9%	94.5%	95.5%	95.3%	95.4%	96.0%	94.2%	95.3%	90.9%	89.2%	92.4%	96.1%
	2018-2027	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%

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)

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5/31/2018

FMPA 2018 Load Forecast - Low Economic Case
Duke Energy Florida Cities - Supplied
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY) Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Coincident Peak Demand w/ARP Seasonal CP [1,2] — Winter Demand (prior Nov - current Mar) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Summer Demand (Apr-Oct) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2008	1,960,379	-	1,972,519	-	0.6%	395.4	-	393.6	-	-0.4%	420.5	-	419.9	-	-0.1%
	2009	1,939,898	-1.0%	1,932,539	-2.0%	-0.4%	432.9	9.5%	417.7	6.1%	-3.5%	438.2	4.2%	439.9	4.8%	0.4%
	2010	1,994,053	2.8%	1,886,003	-2.4%	-5.4%	466.6	7.8%	413.0	-1.1%	-11.5%	415.8	-5.1%	404.2	-8.1%	-2.8%
	2011	1,930,773	-3.2%	1,846,253	-2.1%	-4.4%	416.1	-10.8%	415.5	0.6%	-0.1%	407.5	-2.0%	379.8	-6.0%	-6.8%
	2012	1,820,328	-5.7%	1,826,198	-1.1%	0.3%	381.2	-8.4%	372.1	-10.4%	-2.4%	373.5	-8.3%	425.8	12.1%	14.0%
	2013	1,827,744	0.4%	1,826,441	0.0%	-0.1%	342.2	-10.2%	355.4	-4.5%	3.9%	391.2	4.7%	405.3	-4.8%	3.6%
	2014	1,853,952	1.4%	1,842,213	0.9%	-0.6%	371.1	8.5%	403.5	13.5%	8.7%	406.2	3.8%	411.9	1.6%	1.4%
	2015	1,902,497	2.6%	1,850,531	0.5%	-2.7%	407.6	9.8%	408.4	1.2%	0.2%	419.6	3.3%	442.9	7.5%	5.5%
	2016	1,959,340	3.0%	1,892,924	2.3%	-3.4%	343.2	-15.8%	401.5	-1.7%	17.0%	429.1	2.3%	423.0	-4.5%	-1.4%
	2017	1,906,152	-2.7%	1,906,705	0.7%	0.0%	308.4	-10.1%	362.9	-9.6%	17.7%	423.7	-1.2%	458.6	8.4%	8.2%
Projected	2018	1,955,066	2.6%	1,955,066	2.5%		404.9	31.3%	404.9	11.6%		426.4	0.6%	426.4	-7.0%	
	2019			1,963,106	0.4%				406.0	0.3%				427.6	0.3%	
	2020			1,985,392	1.1%				411.6	1.4%				432.4	1.1%	
	2021			1,985,656	0.0%				411.9	0.1%				432.7	0.1%	
	2022			1,989,995	0.2%				412.9	0.2%				433.7	0.2%	
	2023			1,996,459	0.3%				414.3	0.3%				435.2	0.3%	
	2024			2,005,517	0.5%				416.2	0.5%				437.2	0.5%	
	2025			2,012,509	0.3%				417.6	0.4%				438.8	0.4%	
	2026			2,020,779	0.4%				419.3	0.4%				440.5	0.4%	
	2027			2,028,590	0.4%				420.9	0.4%				442.2	0.4%	
	2028			2,037,488	0.4%				422.8	0.4%				444.2	0.4%	
	2029			2,043,613	0.3%				424.0	0.3%				445.5	0.3%	
	2030			2,050,922	0.4%				425.5	0.4%				447.1	0.4%	
	2031			2,063,553	0.6%				428.9	0.8%				450.6	0.8%	
	2032			2,088,031	1.2%				433.9	1.2%				456.0	1.2%	
	2033			2,106,231	0.9%				437.2	0.8%				459.5	0.8%	
	2034			2,116,996	0.5%				439.1	0.4%				461.5	0.4%	
	2035			2,122,993	0.3%				440.3	0.3%				462.8	0.3%	
	2036			2,130,133	0.3%				441.8	0.3%				464.3	0.3%	
	2037			2,134,273	0.2%				442.6	0.2%				465.2	0.2%	
CAGR [3]	2008-2017		-0.3%		-0.4%			-2.7%		-0.9%			0.1%		1.0%	
	2018-2027				0.4%					0.4%					0.4%	
	2028-2037				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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.75 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	155,850	130,461	137,293	1,947,454	1,959,340
	2017	140,708	121,154	139,794	150,435	177,246	177,339	195,874	204,966	175,032	155,927	138,707	153,429	1,930,610	1,906,152
Projected	2018	156,231	135,327	143,005	146,910	169,098	184,807	193,803	202,230	175,595	156,384	140,541	154,105	1,958,034	1,955,066
	2019	157,159	136,205	143,071	147,825	169,803	185,106	194,434	202,800	175,674	158,374	142,197	155,651	1,968,298	1,963,106
	2020	159,403	139,177	144,740	149,403	171,311	186,719	196,254	204,753	177,410	158,304	142,111	155,626	1,985,210	1,985,392
	2021	159,500	137,979	144,833	149,552	171,488	186,968	196,547	205,059	177,688	158,578	142,357	155,916	1,986,466	1,985,656
	2022	159,812	138,248	145,134	149,887	171,882	187,419	197,026	205,577	178,158	159,015	142,758	156,369	1,991,286	1,989,995
	2023	160,289	138,671	145,596	150,386	172,470	188,072	197,715	206,310	178,808	159,605	143,289	156,954	1,998,165	1,996,459
	2024	160,892	140,481	146,158	150,979	173,160	188,826	198,503	207,139	179,532	160,255	143,870	157,588	2,007,382	2,005,517
	2025	161,544	139,761	146,756	151,607	173,886	189,619	199,330	208,006	180,287	160,931	144,473	158,247	2,014,448	2,012,509
	2026	162,215	140,337	147,359	152,234	174,606	190,396	200,133	208,839	181,008	161,570	145,038	158,858	2,022,594	2,020,779
	2027	162,840	140,874	147,926	152,825	175,286	191,134	200,900	209,638	181,701	162,187	145,585	159,452	2,030,348	2,028,590
Projected	2028	163,449	142,708	148,475	153,398	175,946	191,852	201,645	210,415	182,376	162,789	146,118	160,033	2,039,204	2,037,488
	2029	164,046	141,909	149,014	153,960	176,595	192,557	202,376	211,178	183,039	163,380	146,644	160,605	2,045,302	2,043,613
	2030	164,632	142,413	149,544	154,514	177,233	193,249	203,093	211,925	183,689	163,959	147,158	161,163	2,052,573	2,050,922
	2031	165,306	143,090	150,361	155,472	178,444	194,685	204,730	213,781	185,403	165,616	148,785	163,058	2,068,731	2,063,553
	2032	167,178	146,066	152,096	157,273	180,471	196,873	207,013	216,165	187,437	167,436	150,434	164,846	2,093,289	2,088,031
	2033	168,901	146,191	153,580	158,750	182,077	198,576	208,731	217,878	188,832	168,592	151,382	165,856	2,109,345	2,106,231
	2034	169,930	147,013	154,383	159,531	182,929	199,484	209,625	218,745	189,525	169,158	151,844	166,312	2,118,480	2,116,996
	2035	170,394	147,414	154,809	159,978	183,444	200,040	210,201	219,348	190,051	169,631	152,267	166,790	2,124,346	2,122,993
	2036	170,858	149,169	155,231	160,420	183,951	200,584	210,762	219,932	190,558	170,084	152,668	167,201	2,131,418	2,130,133
	2037	171,298	148,192	155,631	160,838	184,432	201,103	211,297	220,489	191,042	170,514	153,047	167,612	2,135,494	2,134,273

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.7%	6.9%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.7%	7.0%	100.0%
	2017	7.3%	6.3%	7.2%	7.8%	9.2%	9.2%	10.1%	10.6%	9.1%	8.1%	7.2%	7.9%	100.0%
Projected	2018	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	9.0%	8.0%	7.2%	7.9%	100.0%
	2019	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2020	8.0%	7.0%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.8%	100.0%
	2021	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.8%	100.0%
	2022	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2023	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2024	8.0%	7.0%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2025	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2026	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
	2027	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	7.2%	7.9%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	6.9%	7.6%	100.0%
	2018-2027	8.0%	6.9%	7.3%	7.5%	8.6%	9.4%	9.9%	10.3%	8.9%	8.0%	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)

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	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	344.9	288.0	279.3	379.5	435.7
	2017	345.1	284.4	313.0	380.9	398.2	409.9	419.4	429.8	401.5	359.9	295.7	294.9	345.1	429.8
Projected	2018	407.3	372.3	326.0	334.0	386.1	422.1	413.8	432.5	400.8	362.3	296.5	295.7	407.3	432.5
	2019	408.4	373.3	326.9	334.9	387.1	423.3	414.3	433.6	402.0	363.3	300.1	300.0	408.4	433.6
	2020	414.0	378.3	330.7	339.1	391.8	428.2	419.7	438.9	407.0	367.8	300.3	300.2	414.0	438.9
	2021	414.2	378.5	330.9	339.3	392.0	428.5	420.0	439.1	407.3	368.1	301.0	300.9	414.2	439.1
	2022	415.2	379.4	331.7	340.1	393.0	429.5	421.0	440.2	408.2	369.0	302.0	301.9	415.2	440.2
	2023	416.6	380.7	332.9	341.3	394.3	431.0	422.5	441.7	409.7	370.3	303.4	303.3	416.6	441.7
	2024	418.5	382.5	334.4	342.9	396.2	433.0	424.4	443.8	411.5	372.0	304.5	304.4	418.5	443.8
	2025	420.0	383.8	335.6	344.1	397.6	434.5	425.9	445.3	413.0	373.3	305.7	305.6	420.0	445.3
	2026	421.7	385.4	337.0	345.5	399.2	436.2	427.6	447.1	414.7	374.8	306.8	306.8	421.7	447.1
	2027	423.3	386.8	338.2	346.8	400.7	437.9	429.2	448.8	416.3	376.2	308.2	308.1	423.3	448.8
Projected	2028	425.1	388.5	339.7	348.4	402.5	439.8	431.1	450.8	418.1	377.9	309.1	309.0	425.1	450.8
	2029	426.4	389.7	340.7	349.4	403.7	441.1	432.4	452.1	419.3	379.0	310.2	310.1	426.4	452.1
	2030	427.9	391.1	342.0	350.7	405.1	442.7	433.9	453.7	420.8	380.4	312.6	312.5	427.9	453.7
	2031	431.3	394.1	344.6	353.4	408.3	446.2	437.3	457.3	424.1	383.4	316.4	316.2	431.3	457.3
	2032	436.4	398.8	348.7	357.6	413.1	451.5	442.5	462.7	429.2	387.9	318.8	318.5	436.4	462.7
	2033	439.7	401.8	351.4	360.3	416.3	454.9	445.9	466.3	432.4	390.9	320.2	319.9	439.7	466.3
	2034	441.6	403.5	352.9	361.9	418.1	456.9	447.9	468.3	434.3	392.6	321.1	320.8	441.6	468.3
	2035	442.8	404.7	353.9	362.9	419.2	458.2	449.1	469.6	435.5	393.6	322.1	321.9	442.8	469.6
	2036	444.3	406.0	355.1	364.1	420.6	459.7	450.6	471.2	437.0	395.0	322.8	322.5	444.3	471.2
	2037	445.1	406.8	355.8	364.8	421.4	460.6	451.5	472.1	437.8	395.7	323.5	323.2	445.1	472.1

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.7%	60.9%	68.3%	58.6%	51.0%
	2017	54.8%	63.4%	60.0%	53.1%	66.2%	58.1%	64.9%	64.1%	60.5%	58.2%	63.0%	72.3%	63.9%	51.3%
Projected	2018	51.6%	54.1%	59.0%	59.1%	65.2%	58.8%	65.0%	62.9%	60.8%	58.0%	63.7%	72.4%	54.9%	51.7%
	2019	51.7%	54.3%	58.8%	59.3%	65.3%	58.8%	65.1%	62.9%	60.7%	58.6%	63.7%	72.1%	55.0%	51.8%
	2020	51.8%	52.9%	58.8%	59.2%	65.1%	58.6%	64.9%	62.7%	60.5%	57.8%	63.6%	72.0%	54.7%	51.6%
	2021	51.8%	54.2%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	57.9%	63.6%	72.0%	54.7%	51.6%
	2022	51.7%	54.2%	58.8%	59.2%	65.1%	58.6%	65.0%	62.8%	60.6%	57.9%	63.5%	71.9%	54.7%	51.6%
	2023	51.7%	54.2%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	57.9%	63.5%	71.9%	54.7%	51.6%
	2024	51.7%	52.8%	58.7%	59.2%	65.0%	58.6%	65.0%	62.7%	60.6%	57.9%	63.5%	71.9%	54.8%	51.6%
	2025	51.7%	54.2%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	57.9%	63.5%	71.9%	54.8%	51.6%
	2026	51.7%	54.2%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	57.9%	63.5%	71.9%	54.8%	51.6%
	2027	51.7%	54.2%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	57.9%	63.5%	71.9%	54.8%	51.6%
Avg.	2008-2017	53.8%	54.7%	61.4%	58.6%	67.6%	59.6%	65.2%	62.9%	62.8%	59.3%	60.4%	65.6%	55.2%	51.9%
	2018-2027	51.7%	53.9%	58.8%	59.2%	65.1%	58.7%	65.0%	62.8%	60.6%	58.0%	63.6%	72.0%	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)

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5/31/2018

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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	325.0	285.2	268.6	343.2	429.1
	2017	341.0	280.6	308.4	380.2	386.8	405.7	414.7	423.7	379.4	354.1	291.0	284.0	308.4	423.7
Projected	2018	404.9	370.9	310.3	330.9	377.4	414.1	405.7	426.4	388.7	356.5	291.8	284.7	404.9	426.4
	2019	406.0	371.9	311.1	331.9	378.5	415.2	406.8	427.6	357.5	357.9	295.3	288.3	406.0	427.6
	2020	411.6	376.8	314.5	335.7	382.8	419.9	411.3	432.4	394.5	361.9	295.5	288.5	411.6	432.4
	2021	411.9	377.1	314.8	335.9	383.0	420.2	411.6	432.7	394.8	362.2	296.2	289.2	411.9	432.7
	2022	412.9	378.0	315.5	336.8	383.9	421.2	412.6	433.7	395.7	363.1	297.2	290.2	412.9	433.7
	2023	414.3	379.3	316.6	337.9	385.3	422.7	414.0	435.2	397.1	364.3	298.5	291.5	414.3	435.2
	2024	416.2	381.0	318.1	339.5	387.0	424.6	415.9	437.2	399.0	366.0	299.6	292.6	416.2	437.2
	2025	417.6	382.4	319.2	340.7	388.4	426.1	417.4	438.8	400.4	367.3	300.8	293.7	417.6	438.8
	2026	419.3	383.9	320.5	342.1	390.0	427.8	419.0	440.5	402.0	368.8	302.0	294.9	419.3	440.5
	2027	420.9	385.4	321.7	343.4	391.5	429.5	420.7	442.2	403.5	370.2	303.3	296.2	420.9	442.2
Projected	2028	422.8	387.0	323.1	344.9	393.2	431.3	422.5	444.2	405.3	371.9	304.2	297.1	422.8	444.2
	2029	424.0	388.2	324.1	345.9	394.4	432.6	423.7	445.5	406.5	373.0	305.2	298.1	424.0	445.5
	2030	425.5	389.6	325.3	347.2	395.8	434.2	425.2	447.1	408.0	374.3	307.7	300.4	425.5	447.1
	2031	428.9	392.6	327.8	349.9	398.9	437.6	428.6	450.6	411.2	377.2	311.4	304.0	428.9	450.6
	2032	433.9	397.3	331.7	354.1	403.6	442.8	433.7	456.0	416.1	381.7	313.8	306.3	433.9	456.0
	2033	437.2	400.3	334.3	356.8	406.7	446.2	437.0	459.5	419.3	384.6	315.2	307.6	437.2	459.5
	2034	439.1	402.0	335.7	358.3	408.5	448.2	438.9	461.5	421.1	386.3	316.1	308.4	439.1	461.5
	2035	440.3	403.2	336.7	359.3	409.6	449.4	440.1	462.8	422.2	387.4	317.1	309.5	440.3	462.8
	2036	441.8	404.5	337.8	360.5	411.0	450.9	441.6	464.3	423.7	388.7	317.7	310.1	441.8	464.3
	2037	442.6	405.3	338.4	361.2	411.8	451.8	442.4	465.2	424.5	389.4	318.5	310.8	442.6	465.2

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	94.2%	99.0%	96.2%	90.4%	98.5%
	2017	98.8%	98.7%	98.5%	99.8%	97.1%	99.0%	98.9%	98.6%	94.5%	98.4%	98.4%	96.3%	89.4%	98.6%
Projected	2018	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.3%	99.4%	98.6%
	2019	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.1%	99.4%	98.6%
	2020	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2021	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2022	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2023	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2024	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2025	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2026	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2008-2017	99.3%	99.3%	95.6%	97.7%	97.1%	98.0%	97.4%	98.4%	97.5%	97.8%	93.4%	96.2%	97.1%	98.1%
	2018-2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%

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)

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5/31/2018

FMPA 2018 Load Forecast - Severe Weather Case
Total Agency - Supplied
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 [1,2]									
							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	2008	7,091,611	-	7,079,364	-	-0.2%	1,330.2	-	1,346.4	-	1.2%	1,450.1	-	1,464.1		1.0%
	2009	6,847,285	-3.4%	6,819,959	-3.7%	-0.4%	1,418.5	6.6%	1,328.0	-1.4%	-6.4%	1,481.7	2.2%	1,453.9	-0.7%	-1.9%
	2010	6,469,062	-5.5%	6,158,489	-9.7%	-4.8%	1,412.0	-0.5%	1,220.2	-8.1%	-13.6%	1,272.1	-14.1%	1,251.4	-13.9%	-1.6%
	2011	6,147,277	-5.0%	5,917,296	-3.9%	-3.7%	1,258.3	-10.9%	1,245.4	2.1%	-1.0%	1,258.2	-1.1%	1,206.9	-3.6%	-4.1%
	2012	5,914,360	-3.8%	5,954,712	0.6%	0.7%	1,096.7	-12.8%	1,108.0	-11.0%	1.0%	1,203.3	-4.4%	1,312.3	8.7%	9.1%
	2013	5,914,988	0.0%	5,935,282	-0.3%	0.3%	1,009.9	-7.9%	1,033.6	-6.7%	2.3%	1,222.0	1.6%	1,271.6	-3.1%	4.1%
	2014	5,733,592	-3.1%	5,654,586	-4.7%	-1.4%	996.9	-1.3%	1,129.0	9.2%	13.2%	1,185.1	-3.0%	1,192.4	-6.2%	0.6%
	2015	5,777,052	0.8%	5,618,961	-0.6%	-2.7%	1,128.5	13.2%	1,050.6	-6.9%	-6.9%	1,194.4	0.8%	1,246.3	4.5%	4.4%
	2016	5,981,790	3.5%	5,783,323	2.9%	-3.3%	1,009.9	-10.5%	1,095.0	4.2%	8.4%	1,267.7	6.1%	1,245.4	-0.1%	-1.8%
	2017	5,827,865	-2.6%	5,805,277	0.4%	-0.4%	919.8	-8.9%	974.3	-11.0%	5.9%	1,236.7	-2.4%	1,327.2	6.6%	7.3%
Projected	2018	6,186,752	6.2%	6,186,752	6.6%		1,137.8	23.7%	1,137.8	16.8%		1,305.5	5.6%	1,305.5	-1.6%	
	2019			6,290,524	1.7%				1,152.2	1.3%				1,321.7	1.2%	
	2020			6,372,668	1.3%				1,168.7	1.4%				1,339.5	1.3%	
	2021			6,431,013	0.9%				1,179.9	1.0%				1,352.7	1.0%	
	2022			6,498,633	1.1%				1,192.4	1.1%				1,367.5	1.1%	
	2023			6,569,585	1.1%				1,205.4	1.1%				1,382.8	1.1%	
	2024			6,646,081	1.2%				1,219.4	1.2%				1,399.3	1.2%	
	2025			6,711,025	1.0%				1,231.3	1.0%				1,413.2	1.0%	
	2026			6,779,358	1.0%				1,243.7	1.0%				1,427.8	1.0%	
	2027			6,844,933	1.0%				1,255.7	1.0%				1,441.9	1.0%	
	2028			6,914,126	1.0%				1,268.3	1.0%				1,456.7	1.0%	
	2029			6,972,613	0.8%				1,279.0	0.8%				1,469.3	0.9%	
	2030			7,035,839	0.9%				1,290.6	0.9%				1,482.9	0.9%	
	2031			7,103,353	1.0%				1,303.9	1.0%				1,498.3	1.0%	
	2032			7,186,994	1.2%				1,319.6	1.2%				1,516.5	1.2%	
	2033			7,255,992	1.0%				1,332.2	1.0%				1,530.9	1.0%	
	2034			7,319,568	0.9%				1,343.6	0.9%				1,544.2	0.9%	
	2035			7,377,027	0.8%				1,354.2	0.8%				1,556.5	0.8%	
	2036			7,355,296	-0.3%				1,348.2	-0.4%				1,552.1	-0.3%	
	2037			7,406,993	0.7%				1,357.8	0.7%				1,563.3	0.7%	
CAGR [3]	2008-2017		-2.2%		-2.2%			-4.0%		-3.5%			-1.8%		-1.1%	
	2018-2027				1.1%					1.1%					1.1%	
	2028-2037				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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.82 MW beginning Jan-20

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5/31/2018

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	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	481,763	397,590	424,514	5,924,706	5,981,790
	2017	420,501	369,488	422,913	462,373	543,871	546,093	610,626	626,595	521,538	485,965	416,351	469,116	5,895,429	5,827,865
Projected	2018	510,091	440,685	440,811	447,729	516,342	582,031	642,361	657,892	577,379	508,654	426,188	478,188	6,228,350	6,186,752
	2019	519,755	448,491	446,411	453,942	522,913	588,569	649,510	664,908	582,995	515,786	432,195	484,699	6,310,176	6,290,524
	2020	526,829	458,507	451,620	458,968	528,550	595,249	657,179	672,998	590,086	520,035	435,412	488,398	6,383,832	6,372,668
	2021	532,278	458,854	456,214	463,551	533,899	601,460	664,169	680,243	596,499	525,226	439,727	493,385	6,445,505	6,431,013
	2022	537,871	463,627	460,919	468,324	539,561	607,946	671,380	687,669	602,997	530,900	444,433	498,738	6,514,366	6,498,633
	2023	543,752	468,642	465,859	473,316	545,455	614,654	678,823	695,323	609,691	536,672	449,221	504,195	6,585,602	6,569,585
	2024	549,786	478,470	470,883	478,369	551,419	621,424	686,312	702,985	616,344	542,430	453,952	509,535	6,661,909	6,646,081
	2025	555,654	478,764	475,748	483,246	557,157	627,925	693,501	710,351	622,761	548,007	458,565	514,782	6,726,463	6,711,025
	2026	561,438	483,668	480,532	488,045	562,808	634,328	700,572	717,578	629,034	553,433	463,024	519,823	6,794,284	6,779,358
	2027	566,980	488,368	485,112	492,636	568,211	640,450	707,338	724,502	635,056	558,657	467,331	524,712	6,859,351	6,844,933
Projected	2028	572,382	497,923	489,587	497,132	573,522	646,485	714,024	731,352	641,019	563,829	471,591	529,546	6,928,392	6,914,126
	2029	577,714	497,493	494,015	501,574	578,764	652,440	720,620	738,116	646,913	568,950	475,819	534,359	6,986,775	6,972,613
	2030	583,043	502,013	498,427	506,003	583,999	658,389	727,208	744,857	652,772	574,022	479,986	539,075	7,049,794	7,035,839
	2031	588,357	506,625	503,039	510,744	589,688	664,957	734,602	752,622	659,636	580,126	485,245	545,162	7,120,802	7,103,353
	2032	594,942	517,489	508,607	516,353	596,220	672,313	742,705	760,977	666,855	586,410	490,530	551,130	7,204,530	7,186,994
	2033	601,352	517,703	513,901	521,599	602,275	679,111	750,139	768,532	673,311	591,906	494,997	556,189	7,271,015	7,255,992
	2034	606,948	522,361	518,369	526,008	607,424	684,940	756,533	775,015	678,877	596,672	498,881	560,540	7,332,569	7,319,568
	2035	611,758	526,448	522,360	530,016	612,165	690,327	762,506	781,140	684,212	594,891	496,829	558,047	7,370,701	7,377,027
	2036	609,304	529,937	520,431	528,165	609,998	687,678	759,698	778,586	681,732	599,480	500,607	562,338	7,367,954	7,355,296
	2037	614,072	528,547	524,415	532,164	614,741	693,083	765,705	784,747	687,094	595,621	496,743	557,399	7,394,331	7,406,993

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.4%	8.7%	9.9%	10.9%	10.4%	9.4%	8.1%	6.7%	7.2%	100.0%
	2017	7.1%	6.3%	7.2%	7.8%	9.2%	9.3%	10.4%	10.6%	8.8%	8.2%	7.1%	8.0%	100.0%
Projected	2018	8.2%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.2%	6.8%	7.7%	100.0%
	2019	8.2%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.5%	9.2%	8.2%	6.8%	7.7%	100.0%
	2020	8.3%	7.2%	7.1%	7.2%	8.3%	9.3%	10.3%	10.5%	9.2%	8.1%	6.8%	7.7%	100.0%
	2021	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.7%	100.0%
	2022	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.7%	100.0%
	2023	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.7%	100.0%
	2024	8.3%	7.2%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.6%	100.0%
	2025	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.7%	100.0%
	2026	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.7%	100.0%
	2027	8.3%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.1%	6.8%	7.6%	100.0%
Avg.	2008-2017	7.6%	6.7%	7.2%	7.6%	8.9%	9.6%	10.2%	10.3%	9.3%	8.2%	6.9%	7.4%	100.0%
	2018-2027	8.2%	7.1%	7.1%	7.2%	8.3%	9.3%	10.3%	10.6%	9.3%	8.2%	6.8%	7.7%	100.0%

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Cities Added to the ARP: Kissimmee (Oct. '02); Lake Worth (Oct. '02); Havana (May '03); Newberry (Jan '06); Fort Meade (Jan '09).
Cities Discontinuing Service from the ARP: Vero Beach (Dec-09), Lake Worth (Dec-13), Starke (Sep-35)

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FMPA 2018 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	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	1,067.3	864.6	884.5	1,061.1	1,291.2
	2017	981.0	845.4	971.0	1,111.6	1,194.5	1,201.3	1,251.4	1,267.4	1,203.9	1,079.4	944.3	928.6	981.0	1,267.4
Projected	2018	1,200.4	1,077.8	1,042.9	1,052.6	1,199.3	1,300.3	1,309.1	1,335.5	1,250.2	1,143.0	953.0	940.1	1,200.4	1,335.5
	2019	1,215.5	1,091.1	1,055.8	1,065.6	1,214.1	1,316.4	1,325.3	1,352.0	1,265.6	1,157.1	967.8	955.3	1,215.5	1,352.0
	2020	1,232.0	1,106.7	1,069.6	1,079.9	1,230.5	1,334.2	1,343.0	1,370.5	1,283.0	1,172.7	975.5	962.5	1,232.0	1,370.5
	2021	1,243.7	1,117.2	1,080.2	1,090.4	1,242.5	1,347.2	1,356.2	1,384.0	1,295.5	1,184.2	986.2	972.6	1,243.7	1,384.0
	2022	1,256.6	1,128.9	1,092.0	1,102.2	1,256.0	1,361.8	1,370.9	1,399.0	1,309.6	1,197.0	996.9	983.0	1,256.6	1,399.0
	2023	1,270.1	1,141.0	1,104.3	1,114.5	1,270.0	1,376.9	1,386.1	1,414.6	1,324.2	1,210.4	1,008.5	994.2	1,270.1	1,414.6
	2024	1,284.5	1,153.9	1,117.5	1,127.6	1,284.9	1,393.1	1,402.4	1,431.4	1,339.8	1,224.7	1,018.1	1,003.6	1,284.5	1,431.4
	2025	1,296.8	1,165.0	1,128.6	1,138.6	1,297.6	1,406.8	1,416.2	1,445.5	1,353.1	1,236.7	1,028.3	1,013.6	1,296.8	1,445.5
	2026	1,309.6	1,176.5	1,140.4	1,150.3	1,310.9	1,421.2	1,430.7	1,460.4	1,367.0	1,249.4	1,038.1	1,023.1	1,309.6	1,460.4
	2027	1,321.9	1,187.6	1,151.6	1,161.4	1,323.6	1,435.0	1,444.7	1,474.6	1,380.3	1,261.6	1,048.4	1,033.2	1,321.9	1,474.6
Projected	2028	1,334.9	1,199.3	1,163.6	1,173.3	1,337.2	1,449.7	1,459.4	1,489.8	1,394.5	1,274.6	1,057.1	1,041.7	1,334.9	1,489.8
	2029	1,346.0	1,209.2	1,173.6	1,183.3	1,348.6	1,462.1	1,472.0	1,502.6	1,406.4	1,285.5	1,066.6	1,051.0	1,346.0	1,502.6
	2030	1,357.9	1,219.9	1,184.5	1,194.1	1,361.0	1,475.5	1,485.5	1,516.4	1,419.3	1,297.3	1,077.3	1,061.4	1,357.9	1,516.4
	2031	1,371.6	1,232.2	1,196.7	1,206.3	1,374.9	1,490.6	1,500.6	1,532.0	1,433.9	1,310.6	1,089.9	1,073.6	1,371.6	1,532.0
	2032	1,387.7	1,246.8	1,211.1	1,220.7	1,391.4	1,508.5	1,518.5	1,550.4	1,451.1	1,326.2	1,099.9	1,083.3	1,387.7	1,550.4
	2033	1,400.6	1,258.4	1,222.5	1,232.0	1,404.4	1,522.7	1,532.8	1,565.0	1,464.7	1,338.6	1,109.2	1,092.4	1,400.6	1,565.0
	2034	1,412.3	1,269.0	1,233.1	1,242.6	1,416.5	1,535.8	1,546.0	1,578.6	1,477.3	1,350.1	1,117.8	1,100.8	1,412.3	1,578.6
	2035	1,423.2	1,278.7	1,243.0	1,252.4	1,427.7	1,548.0	1,558.3	1,591.1	1,489.1	1,346.4	1,114.8	1,095.1	1,423.2	1,591.1
	2036	1,417.1	1,272.8	1,240.0	1,249.1	1,424.0	1,543.9	1,554.0	1,586.6	1,485.1	1,358.1	1,122.5	1,102.7	1,417.1	1,586.6
	2037	1,426.9	1,281.6	1,248.9	1,258.0	1,434.2	1,554.9	1,565.2	1,598.0	1,495.8	1,347.5	1,114.4	1,092.2	1,426.9	1,598.0

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.8%	66.7%	63.7%	52.4%
	2017	57.6%	65.0%	58.5%	55.9%	67.8%	61.1%	67.8%	66.5%	60.2%	60.5%	59.3%	70.2%	68.6%	53.1%
Projected	2018	57.1%	60.8%	56.8%	57.2%	64.1%	60.2%	68.2%	66.2%	64.1%	59.8%	60.1%	70.6%	59.2%	53.2%
	2019	57.5%	61.1%	56.8%	57.3%	64.1%	60.1%	68.1%	66.1%	64.0%	59.9%	60.0%	70.5%	59.3%	53.3%
	2020	57.5%	59.5%	56.8%	57.1%	63.9%	60.0%	68.0%	66.0%	63.9%	59.6%	60.0%	70.5%	59.2%	53.2%
	2021	57.5%	61.1%	56.8%	57.1%	63.9%	60.0%	68.0%	66.1%	63.9%	59.6%	59.9%	70.5%	59.2%	53.2%
	2022	57.5%	61.1%	56.7%	57.1%	63.9%	60.0%	68.0%	66.1%	63.9%	59.6%	59.9%	70.5%	59.2%	53.2%
	2023	57.5%	61.1%	56.7%	57.1%	63.9%	60.0%	68.0%	66.1%	63.9%	59.6%	59.9%	70.4%	59.2%	53.1%
	2024	57.5%	59.6%	56.6%	57.0%	63.9%	60.0%	68.0%	66.0%	63.9%	59.5%	59.9%	70.5%	59.2%	53.1%
	2025	57.6%	61.2%	56.7%	57.0%	63.9%	60.0%	68.0%	66.1%	63.9%	59.6%	59.9%	70.5%	59.2%	53.1%
	2026	57.6%	61.2%	56.6%	57.0%	63.9%	60.0%	68.0%	66.0%	63.9%	59.5%	60.0%	70.6%	59.2%	53.1%
	2027	57.6%	61.2%	56.6%	57.0%	63.9%	60.0%	68.0%	66.0%	63.9%	59.5%	59.9%	70.5%	59.2%	53.1%
Avg.	2008-2017	55.5%	57.2%	61.6%	60.2%	69.7%	62.1%	68.1%	65.7%	64.7%	61.2%	59.7%	66.1%	59.1%	53.6%
	2018-2027	57.5%	60.8%	56.7%	57.1%	63.9%	60.0%	68.0%	66.1%	63.9%	59.6%	60.0%	70.5%	59.2%	53.2%

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)

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5/31/2018

FMPA 2018 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	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	1,258.5	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	1,146.5	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	989.2	843.2	827.1	1,009.9	1,267.7
	2017	862.8	831.4	919.8	1,105.8	1,174.1	1,178.1	1,215.9	1,236.7	1,157.4	1,051.8	891.3	866.4	919.8	1,236.7
Projected	2018	1,137.8	1,036.7	984.1	1,023.7	1,166.6	1,265.6	1,270.8	1,305.5	1,200.0	1,113.9	899.7	877.2	1,137.8	1,305.5
	2019	1,152.2	1,049.9	996.2	1,036.4	1,181.0	1,281.3	1,286.5	1,321.7	1,214.8	1,127.6	913.9	890.9	1,152.2	1,321.7
	2020	1,168.7	1,064.6	1,009.0	1,050.1	1,196.7	1,298.5	1,303.6	1,339.5	1,231.4	1,142.9	921.1	897.6	1,168.7	1,339.5
	2021	1,179.9	1,074.9	1,019.0	1,060.4	1,208.5	1,311.3	1,316.4	1,352.7	1,243.5	1,154.1	931.3	907.2	1,179.9	1,352.7
	2022	1,192.4	1,086.3	1,030.4	1,072.0	1,221.7	1,325.6	1,330.8	1,367.5	1,257.1	1,166.7	941.5	917.2	1,192.4	1,367.5
	2023	1,205.4	1,098.2	1,042.1	1,084.0	1,235.3	1,340.5	1,345.6	1,382.8	1,271.1	1,179.8	952.5	927.9	1,205.4	1,382.8
	2024	1,219.4	1,110.9	1,054.7	1,096.9	1,249.9	1,356.4	1,361.5	1,399.3	1,286.2	1,193.8	961.7	936.8	1,219.4	1,399.3
	2025	1,231.3	1,121.8	1,065.4	1,107.7	1,262.3	1,369.8	1,375.0	1,413.2	1,298.9	1,205.6	971.4	946.3	1,231.3	1,413.2
	2026	1,243.7	1,133.1	1,076.6	1,119.1	1,275.3	1,384.0	1,389.2	1,427.8	1,312.3	1,218.0	980.7	955.4	1,243.7	1,427.8
	2027	1,255.7	1,144.0	1,087.3	1,130.1	1,287.8	1,397.5	1,402.8	1,441.9	1,325.1	1,230.0	990.6	965.1	1,255.7	1,441.9
Projected	2028	1,268.3	1,155.5	1,098.8	1,141.7	1,301.1	1,411.9	1,417.2	1,456.7	1,338.8	1,242.7	998.9	973.2	1,268.3	1,456.7
	2029	1,279.0	1,165.3	1,108.4	1,151.6	1,312.3	1,424.1	1,429.4	1,469.3	1,350.3	1,253.4	1,008.0	982.1	1,279.0	1,469.3
	2030	1,290.6	1,175.8	1,118.9	1,162.2	1,324.3	1,437.3	1,442.6	1,482.9	1,362.8	1,264.9	1,018.2	992.0	1,290.6	1,482.9
	2031	1,303.9	1,187.9	1,130.5	1,174.1	1,338.0	1,452.1	1,457.4	1,498.3	1,376.8	1,277.9	1,030.4	1,003.8	1,303.9	1,498.3
	2032	1,319.6	1,202.3	1,144.3	1,188.2	1,354.1	1,469.7	1,474.9	1,516.5	1,393.4	1,293.3	1,040.0	1,013.1	1,319.6	1,516.5
	2033	1,332.2	1,213.8	1,155.2	1,199.4	1,366.8	1,483.6	1,488.8	1,530.9	1,406.5	1,305.4	1,048.9	1,021.8	1,332.2	1,530.9
	2034	1,343.6	1,224.2	1,165.3	1,209.8	1,378.7	1,496.5	1,501.7	1,544.2	1,418.7	1,316.7	1,057.1	1,029.8	1,343.6	1,544.2
	2035	1,354.2	1,233.8	1,174.8	1,219.4	1,389.7	1,508.5	1,513.7	1,556.5	1,430.0	1,313.6	1,054.0	1,024.9	1,354.2	1,556.5
	2036	1,348.2	1,227.8	1,172.2	1,216.0	1,386.0	1,504.6	1,509.7	1,552.1	1,426.6	1,325.0	1,061.4	1,032.1	1,348.2	1,552.1
	2037	1,357.8	1,236.5	1,180.7	1,224.7	1,395.9	1,515.4	1,520.6	1,563.3	1,436.9	1,315.4	1,053.4	1,023.1	1,357.8	1,563.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	97.5%	93.5%	95.2%	98.2%
	2017	88.0%	98.3%	94.7%	99.5%	98.3%	98.1%	97.2%	97.6%	96.1%	97.5%	94.4%	93.3%	93.8%	97.6%
Projected	2018	94.8%	96.2%	94.4%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.8%	97.8%
	2019	94.8%	96.2%	94.4%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.8%	97.8%
	2020	94.9%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2021	94.9%	96.2%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2022	94.9%	96.2%	94.4%	97.3%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.3%	94.9%	97.7%
	2023	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2024	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2025	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2026	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2027	95.0%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	95.0%	97.8%
	2008-2017	94.7%	95.4%	94.2%	96.4%	96.8%	97.2%	96.5%	97.4%	95.8%	97.0%	92.9%	93.0%	96.4%	97.5%
	2018-2027	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.9%	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)

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5/31/2018

FP&L Cities - Supplied
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 [1,2]									
							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	2008	3,682,412	-	3,644,271	-	-1.0%	670.8	-	692.1	-	3.2%	719.7	-	729.0	-	1.3%
	2009	3,516,717	-4.5%	3,503,890	-3.9%	-0.4%	709.9	5.8%	652.6	-5.7%	-8.1%	731.3	1.6%	698.7	-4.2%	-4.5%
	2010	3,044,869	-13.4%	2,916,556	-16.8%	-4.2%	631.0	-11.1%	523.5	-19.8%	-17.0%	553.1	-24.4%	542.9	-22.3%	-1.8%
	2011	2,805,902	-7.8%	2,711,488	-7.0%	-3.4%	544.4	-13.7%	545.0	4.1%	0.1%	534.8	-3.3%	513.7	-5.4%	-3.9%
	2012	2,709,712	-3.4%	2,731,112	0.7%	0.8%	469.7	-13.7%	485.7	-10.9%	3.4%	527.2	-1.4%	549.9	7.0%	4.3%
	2013	2,693,753	-0.6%	2,710,017	-0.8%	0.6%	425.0	-9.5%	448.3	-7.7%	5.5%	524.0	-0.6%	538.6	-2.1%	2.8%
	2014	2,437,324	-9.5%	2,396,472	-11.6%	-1.7%	384.4	-9.5%	437.3	-2.5%	13.7%	452.1	-13.7%	460.2	-14.6%	1.8%
	2015	2,366,430	-2.9%	2,315,072	-3.4%	-2.2%	456.4	18.7%	405.7	-7.2%	-11.1%	444.3	-1.7%	465.3	1.1%	4.7%
	2016	2,436,956	3.0%	2,368,506	2.3%	-2.8%	390.9	-14.3%	428.9	5.7%	9.7%	484.9	9.1%	472.0	1.4%	-2.7%
	2017	2,341,144	-3.9%	2,313,898	-2.3%	-1.2%	344.6	-11.9%	346.6	-19.2%	0.6%	467.3	-3.6%	490.1	3.8%	4.9%
Projected	2018	2,443,270	4.4%	2,443,270	5.6%		433.0	25.7%	433.0	24.9%		482.3	3.2%	482.3	-1.6%	
	2019			2,483,323	1.6%				437.9	1.1%				487.7	1.1%	
	2020			2,494,966	0.5%				439.4	0.3%				489.6	0.4%	
	2021			2,507,672	0.5%				442.0	0.6%				492.6	0.6%	
	2022			2,520,071	0.5%				444.3	0.5%				495.1	0.5%	
	2023			2,533,349	0.5%				446.8	0.6%				497.7	0.5%	
	2024			2,546,504	0.5%				449.4	0.6%				500.3	0.5%	
	2025			2,559,275	0.5%				451.9	0.6%				502.9	0.5%	
	2026			2,571,651	0.5%				454.2	0.5%				505.3	0.5%	
	2027			2,583,407	0.5%				456.5	0.5%				507.7	0.5%	
	2028			2,594,881	0.4%				458.7	0.5%				509.9	0.4%	
	2029			2,606,093	0.4%				460.9	0.5%				512.2	0.4%	
	2030			2,617,307	0.4%				463.1	0.5%				514.4	0.4%	
	2031			2,628,370	0.4%				465.3	0.5%				516.7	0.4%	
	2032			2,639,374	0.4%				467.4	0.5%				518.9	0.4%	
	2033			2,650,009	0.4%				469.6	0.5%				521.0	0.4%	
	2034			2,660,602	0.4%				471.7	0.4%				523.1	0.4%	
	2035			2,670,888	0.4%				473.8	0.4%				525.2	0.4%	
	2036			2,596,916	-2.8%				458.5	-3.2%				509.4	-3.0%	
	2037			2,606,531	0.4%				460.4	0.4%				511.3	0.4%	
CAGR [3]	2008-2017		-4.9%		-4.9%			-7.1%		-7.4%			-4.7%		-4.3%	
	2018-2027				0.6%					0.6%					0.6%	
	2028-2037				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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.82 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	196,875	162,861	175,563	2,407,707	2,436,956
	2017	170,310	151,110	171,235	184,929	216,561	221,569	247,242	248,927	193,963	195,778	166,186	177,043	2,344,853	2,341,144
Projected	2018	197,743	177,302	177,352	180,335	201,159	226,753	254,976	258,786	229,858	207,217	169,760	180,416	2,461,656	2,443,270
	2019	201,239	180,237	179,307	182,264	203,314	229,048	257,390	261,157	231,973	209,409	171,607	182,310	2,489,256	2,483,323
	2020	202,293	180,967	179,706	182,586	203,656	229,649	258,143	261,948	232,692	209,729	171,658	182,322	2,495,348	2,494,966
	2021	203,474	182,013	180,899	183,762	204,940	231,114	259,802	263,672	234,286	210,710	172,478	183,201	2,510,353	2,507,672
	2022	204,487	182,900	181,780	184,649	205,955	232,277	261,123	265,023	235,488	211,782	173,359	184,130	2,522,953	2,520,071
	2023	205,567	183,861	182,726	185,595	207,035	233,517	262,538	266,469	236,770	212,850	174,233	185,052	2,536,212	2,533,349
	2024	206,663	184,976	183,652	186,511	208,082	234,717	263,907	267,865	237,997	213,929	175,105	185,962	2,549,366	2,546,504
	2025	207,745	185,797	184,584	187,423	209,122	235,906	265,260	269,240	239,203	214,987	175,961	186,857	2,562,084	2,559,275
	2026	208,809	186,725	185,467	188,286	210,105	237,030	266,540	270,540	240,343	215,985	176,765	187,696	2,574,291	2,571,651
	2027	209,808	187,610	186,308	189,108	211,041	238,104	267,764	271,784	241,433	216,939	177,534	188,500	2,585,935	2,583,407
Projected	2028	210,773	188,607	187,110	189,894	211,940	239,139	268,951	272,995	242,498	217,875	178,289	189,290	2,597,362	2,594,881
	2029	211,723	189,313	187,928	190,691	212,853	240,189	270,152	274,218	243,571	218,814	179,048	190,086	2,608,587	2,606,093
	2030	212,684	190,149	188,721	191,466	213,743	241,217	271,330	275,421	244,627	219,738	179,794	190,867	2,619,757	2,617,307
	2031	213,626	190,980	189,508	192,232	214,621	242,233	272,494	276,608	245,668	220,649	180,528	191,636	2,630,785	2,628,370
	2032	214,556	191,947	190,278	192,982	215,481	243,228	273,633	277,770	246,685	221,537	181,241	192,380	2,641,719	2,639,374
	2033	215,460	192,609	191,050	193,731	216,344	244,228	274,779	278,941	247,709	222,431	181,962	193,136	2,652,378	2,650,009
	2034	216,383	193,404	191,799	194,455	217,179	245,195	275,889	280,073	248,697	223,290	182,652	193,857	2,662,873	2,660,602
	2035	217,265	194,178	192,527	195,160	217,993	246,139	276,974	281,183	249,668	217,722	177,459	187,739	2,654,008	2,670,888
	2036	210,892	189,046	187,345	190,017	211,909	239,057	269,287	273,618	242,824	218,520	178,097	188,403	2,599,015	2,596,916
	2037	211,714	189,636	188,043	190,691	212,687	239,963	270,332	274,688	243,757	210,826	171,071	179,815	2,583,223	2,606,531

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	6.7%	7.3%	7.4%	8.7%	9.8%	10.9%	10.4%	9.3%	8.2%	6.8%	7.3%	100.0%
	2017	7.3%	6.4%	7.3%	7.9%	9.2%	9.4%	10.5%	10.6%	8.3%	8.3%	7.1%	7.6%	100.0%
Projected	2018	8.0%	7.2%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2019	8.1%	7.2%	7.2%	7.3%	8.2%	9.2%	10.3%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2020	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.3%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2021	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.3%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2022	8.1%	7.2%	7.2%	7.3%	8.2%	9.2%	10.3%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2023	8.1%	7.2%	7.2%	7.3%	8.2%	9.2%	10.3%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2024	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2025	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2026	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
	2027	8.1%	7.3%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	7.3%	100.0%
Avg.	2008-2017	7.5%	6.8%	7.3%	7.6%	8.9%	9.6%	10.2%	10.3%	9.2%	8.3%	7.0%	7.4%	100.0%
	2018-2027	8.1%	7.2%	7.2%	7.3%	8.2%	9.2%	10.4%	10.5%	9.3%	8.4%	6.9%	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 2018 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	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	469.9	455.3	408.9	401.6	358.8	478.3	476.8	478.3
	2016	437.5	426.1	379.0	400.0	431.8	481.4	501.8	484.4	453.7	423.9	344.6	363.7	437.5	501.8
	2017	411.0	333.6	388.3	411.6	456.4	458.5	480.1	485.1	461.3	413.7	382.3	380.5	411.0	485.1
Projected	2018	485.5	429.1	385.2	401.0	453.7	490.6	502.5	500.6	472.1	432.1	383.7	384.9	485.5	502.5
	2019	491.1	434.0	389.5	405.4	458.8	496.1	508.2	506.2	477.4	436.9	387.3	388.3	491.1	508.2
	2020	492.3	435.5	390.6	406.8	460.5	498.0	510.3	508.2	479.2	438.4	388.0	388.8	492.3	510.3
	2021	495.3	438.2	393.0	409.3	463.3	501.0	513.4	511.3	482.1	441.1	390.4	390.8	495.3	513.4
	2022	497.9	440.4	394.9	411.3	465.6	503.6	516.0	513.9	484.6	443.3	392.5	392.9	497.9	516.0
	2023	500.6	442.9	396.9	413.4	468.1	506.2	518.8	516.6	487.1	445.6	394.6	395.0	500.6	518.8
	2024	503.4	445.3	398.9	415.6	470.5	508.9	521.5	519.3	489.7	447.9	396.6	397.0	503.4	521.5
	2025	506.1	447.6	400.8	417.6	472.9	511.4	524.2	521.9	492.2	450.1	398.5	398.9	506.1	524.2
	2026	508.7	449.9	402.7	419.6	475.2	513.9	526.7	524.5	494.6	452.2	400.3	400.7	508.7	526.7
	2027	511.2	452.1	404.5	421.5	477.3	516.2	529.2	526.9	496.8	454.3	402.1	402.6	511.2	529.2
Projected	2028	513.6	454.2	406.2	423.3	479.5	518.5	531.6	529.2	499.0	456.3	403.8	404.3	513.6	531.6
	2029	516.0	456.3	407.9	425.1	481.6	520.8	533.9	531.6	501.2	458.2	405.6	406.1	516.0	533.9
	2030	518.4	458.3	409.6	426.9	483.6	523.1	536.3	533.9	503.4	460.2	407.3	407.8	518.4	536.3
	2031	520.8	460.4	411.3	428.7	485.7	525.3	538.6	536.2	505.5	462.1	409.0	409.6	520.8	538.6
	2032	523.1	462.5	412.9	430.5	487.7	527.5	540.9	538.4	507.7	464.0	410.6	411.3	523.1	540.9
	2033	525.4	464.5	414.5	432.2	489.7	529.7	543.2	540.7	509.7	465.9	412.3	413.0	525.4	543.2
	2034	527.7	466.5	416.1	433.9	491.7	531.8	545.4	542.8	511.8	467.7	413.9	414.6	527.7	545.4
	2035	530.0	468.4	417.7	435.5	493.6	533.9	547.6	545.0	513.8	455.1	403.2	401.4	530.0	547.6
	2036	514.3	453.9	405.4	423.1	479.6	518.6	532.1	528.9	499.0	456.8	404.6	402.9	514.3	532.1
	2037	516.4	455.7	406.8	424.6	481.4	520.6	534.1	530.9	500.9	438.3	389.5	385.7	516.4	534.1

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	62.4%	63.5%	67.0%	62.8%	54.8%
	2017	55.7%	67.4%	59.3%	60.4%	70.6%	65.0%	71.5%	69.0%	58.4%	63.6%	58.4%	64.6%	65.1%	55.2%
Projected	2018	54.7%	61.5%	61.9%	60.5%	66.0%	62.1%	70.5%	69.5%	67.6%	64.5%	59.5%	65.1%	57.9%	55.9%
	2019	55.1%	61.8%	61.9%	60.4%	65.9%	62.1%	70.3%	69.3%	67.5%	64.4%	59.5%	65.2%	57.9%	55.9%
	2020	55.2%	59.7%	61.8%	60.3%	65.8%	62.0%	70.3%	69.3%	67.4%	64.3%	59.5%	65.1%	57.9%	55.8%
	2021	55.2%	61.8%	61.9%	60.4%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.4%	65.1%	57.9%	55.8%
	2022	55.2%	61.8%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.4%	65.1%	57.8%	55.8%
	2023	55.2%	61.8%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.3%	65.1%	57.8%	55.8%
	2024	55.2%	59.7%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.3%	65.1%	57.8%	55.8%
	2025	55.2%	61.8%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.3%	65.1%	57.8%	55.8%
	2026	55.2%	61.8%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.4%	65.1%	57.8%	55.8%
	2027	55.2%	61.8%	61.9%	60.3%	65.8%	62.0%	70.3%	69.3%	67.5%	64.2%	59.3%	65.0%	57.7%	55.8%
Avg.	2008-2017	55.4%	57.8%	62.4%	62.7%	72.8%	64.9%	70.9%	68.9%	66.8%	64.0%	60.0%	65.5%	59.2%	56.0%
	2018-2027	55.1%	61.3%	61.9%	60.4%	65.8%	62.0%	70.3%	69.3%	67.5%	64.3%	59.4%	65.1%	57.8%	55.8%

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 2018 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	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	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	365.9	333.5	328.8	390.9	484.9
	2017	306.6	323.4	344.6	406.6	447.4	440.6	461.4	467.3	446.0	396.8	347.0	338.0	344.6	467.3
Projected	2018	433.0	392.5	352.7	379.2	435.2	467.6	481.2	482.3	447.2	414.4	348.2	341.8	433.0	482.3
	2019	437.9	397.0	356.7	383.4	440.0	472.8	486.6	487.7	452.2	419.0	351.6	344.8	437.9	487.7
	2020	439.4	398.2	357.5	384.6	441.6	474.6	488.6	489.6	453.8	420.4	352.0	345.0	439.4	489.6
	2021	442.0	400.5	359.7	387.0	444.3	477.5	491.6	492.6	456.6	422.9	354.2	346.8	442.0	492.6
	2022	444.3	402.7	361.4	388.9	446.5	479.9	494.1	495.1	458.9	425.0	356.0	348.7	444.3	495.1
	2023	446.8	404.9	363.3	390.9	448.9	482.4	496.7	497.7	461.3	427.3	358.0	350.7	446.8	497.7
	2024	449.4	407.2	365.2	392.9	451.2	485.0	499.4	500.3	463.7	429.5	359.8	352.4	449.4	500.3
	2025	451.9	409.5	367.0	394.9	453.5	487.4	502.0	502.9	466.1	431.6	361.5	354.2	451.9	502.9
	2026	454.2	411.6	368.7	396.7	455.7	489.8	504.4	505.3	468.3	433.6	363.2	355.9	454.2	505.3
	2027	456.5	413.6	370.3	398.5	457.7	492.0	506.8	507.7	470.4	435.6	364.8	357.6	456.5	507.7
Projected	2028	458.7	415.6	372.0	400.2	459.8	494.2	509.1	509.9	472.5	437.5	366.4	359.2	458.7	509.9
	2029	460.9	417.6	373.5	402.0	461.8	496.4	511.3	512.2	474.6	439.4	367.9	360.8	460.9	512.2
	2030	463.1	419.6	375.1	403.7	463.8	498.5	513.6	514.4	476.7	441.2	369.5	362.4	463.1	514.4
	2031	465.3	421.6	376.7	405.3	465.8	500.6	515.8	516.7	478.7	443.1	371.0	364.0	465.3	516.7
	2032	467.4	423.5	378.2	407.0	467.7	502.7	518.1	518.9	480.7	444.9	372.5	365.5	467.4	518.9
	2033	469.6	425.4	379.7	408.6	469.7	504.8	520.2	521.0	482.7	446.7	374.1	367.1	469.6	521.0
	2034	471.7	427.3	381.2	410.2	471.5	506.8	522.4	523.1	484.6	448.5	375.5	368.6	471.7	523.1
	2035	473.8	429.2	382.6	411.8	473.4	508.8	524.5	525.2	486.6	436.5	365.0	356.5	473.8	525.2
	2036	458.5	414.7	371.0	399.4	459.5	493.9	509.5	509.4	472.7	438.2	366.3	357.9	458.5	509.4
	2037	460.4	416.4	372.4	400.9	461.3	495.8	511.5	511.3	474.5	420.6	351.6	342.3	460.4	511.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	86.3%	96.8%	90.4%	89.3%	96.6%
	2017	74.6%	96.9%	88.7%	98.8%	98.0%	96.1%	96.1%	96.3%	96.7%	95.9%	90.7%	88.8%	83.8%	96.3%
Projected	2018	89.2%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.4%	94.7%	95.9%	90.8%	88.8%	89.2%	96.0%
	2019	89.2%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.4%	94.7%	95.9%	90.8%	88.8%	89.2%	96.0%
	2020	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2021	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.2%	95.9%
	2022	89.2%	91.4%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.8%	89.2%	95.9%
	2023	89.3%	91.4%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2024	89.3%	91.5%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2025	89.3%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2026	89.3%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.4%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2027	89.3%	91.5%	91.6%	94.6%	95.9%	95.3%	95.8%	96.4%	94.7%	95.9%	90.7%	88.8%	89.3%	95.9%
	2008-2017	89.6%	90.7%	91.9%	94.5%	95.5%	95.3%	95.4%	96.0%	94.2%	95.3%	90.9%	89.2%	92.4%	96.1%
	2018-2027	89.2%	91.5%	91.5%	94.6%	95.9%	95.3%	95.8%	96.3%	94.7%	95.9%	90.7%	88.8%	89.2%	95.9%

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)

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5/31/2018

FMPA 2018 Load Forecast - Severe Weather Case
Duke Energy Florida Cities - Supplied
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	1,960,379	-	1,972,519	-	0.6%	395.4	-	393.6	-	-0.4%	420.5	-	419.9	-	-0.1%
	2009	1,939,898	-1.0%	1,932,539	-2.0%	-0.4%	432.9	9.5%	417.7	6.1%	-3.5%	438.2	4.2%	439.9	4.8%	0.4%
	2010	1,994,053	2.8%	1,886,003	-2.4%	-5.4%	466.6	7.8%	413.0	-1.1%	-11.5%	415.8	-5.1%	404.2	-8.1%	-2.8%
	2011	1,930,773	-3.2%	1,846,253	-2.1%	-4.4%	416.1	-10.8%	415.5	0.6%	-0.1%	407.5	-2.0%	379.8	-6.0%	-6.8%
	2012	1,820,328	-5.7%	1,826,198	-1.1%	0.3%	381.2	-8.4%	372.1	-10.4%	-2.4%	373.5	-8.3%	425.8	12.1%	14.0%
	2013	1,827,744	0.4%	1,826,441	0.0%	-0.1%	342.2	-10.2%	355.4	-4.5%	3.9%	391.2	4.7%	405.3	-4.8%	3.6%
	2014	1,853,952	1.4%	1,842,213	0.9%	-0.6%	371.1	8.5%	403.5	13.5%	8.7%	406.2	3.8%	411.9	1.6%	1.4%
	2015	1,902,497	2.6%	1,850,531	0.5%	-2.7%	407.6	9.8%	408.4	1.2%	0.2%	419.6	3.3%	442.9	7.5%	5.5%
	2016	1,959,340	3.0%	1,892,924	2.3%	-3.4%	343.2	-15.8%	401.5	-1.7%	17.0%	429.1	2.3%	423.0	-4.5%	-1.4%
	2017	1,906,152	-2.7%	1,906,705	0.7%	0.0%	308.4	-10.1%	362.9	-9.6%	17.7%	423.7	-1.2%	458.6	8.4%	8.2%
Projected	2018	2,035,681	6.8%	2,035,681	6.8%		423.3	37.3%	423.3	16.6%		445.7	5.2%	445.7	-2.8%	
	2019			2,074,303	1.9%				430.1	1.6%				452.9	1.6%	
	2020			2,123,256	2.4%				441.1	2.6%				463.4	2.3%	
	2021			2,145,508	1.0%				445.7	1.0%				468.3	1.0%	
	2022			2,168,600	1.1%				450.5	1.1%				473.3	1.1%	
	2023			2,191,989	1.1%				455.3	1.1%				478.4	1.1%	
	2024			2,216,863	1.1%				460.5	1.1%				483.8	1.1%	
	2025			2,238,664	1.0%				465.0	1.0%				488.6	1.0%	
	2026			2,261,268	1.0%				469.6	1.0%				493.5	1.0%	
	2027			2,282,891	1.0%				474.0	0.9%				498.1	0.9%	
	2028			2,305,356	1.0%				478.7	1.0%				503.0	1.0%	
	2029			2,324,464	0.8%				482.6	0.8%				507.2	0.8%	
	2030			2,344,618	0.9%				486.8	0.9%				511.5	0.9%	
	2031			2,370,711	1.1%				493.0	1.3%				518.1	1.3%	
	2032			2,410,385	1.7%				501.2	1.7%				526.8	1.7%	
	2033			2,442,967	1.4%				507.4	1.2%				533.4	1.3%	
	2034			2,466,732	1.0%				511.9	0.9%				538.2	0.9%	
	2035			2,484,832	0.7%				515.6	0.7%				542.1	0.7%	
	2036			2,504,134	0.8%				519.6	0.8%				546.3	0.8%	
	2037			2,519,925	0.6%				522.9	0.6%				549.7	0.6%	
CAGR [3]	2008-2017		-0.3%		-0.4%			-2.7%		-0.9%			0.1%		1.0%	
	2018-2027				1.3%					1.3%					1.2%	
	2028-2037				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.
[2] The weather-normalized coincident peak demands 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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 26.82 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	155,850	130,461	137,293	1,947,454	1,959,340
	2017	140,708	121,154	139,794	150,435	177,246	177,339	195,874	204,966	175,032	155,928	138,708	161,807	1,938,992	1,906,152
Projected	2018	172,786	146,013	145,897	147,484	169,948	190,860	205,277	215,037	185,937	161,082	142,272	164,813	2,047,405	2,035,681
	2019	176,252	148,978	147,980	150,451	173,004	193,777	208,703	218,511	188,478	165,175	145,768	168,489	2,085,568	2,074,303
	2020	180,893	154,079	151,607	153,968	176,693	197,794	213,121	223,167	192,504	167,083	147,419	170,363	2,128,689	2,123,256
	2021	182,922	154,434	153,304	155,718	178,648	199,978	215,467	225,593	194,580	168,905	149,030	172,198	2,150,778	2,145,508
	2022	184,846	156,072	154,959	157,420	180,582	202,131	217,772	228,012	196,670	170,736	150,659	174,049	2,173,909	2,168,600
	2023	186,784	157,731	156,636	159,146	182,554	204,319	220,113	230,470	198,792	172,591	152,309	175,919	2,197,365	2,191,989
	2024	188,739	160,798	158,322	160,878	184,531	206,505	222,451	232,919	200,901	174,433	153,944	177,769	2,222,189	2,216,863
	2025	190,674	161,054	159,985	162,586	186,480	208,663	224,757	235,335	202,984	176,250	155,556	179,597	2,243,921	2,238,664
	2026	192,581	162,676	161,612	164,251	188,373	210,752	226,983	237,658	204,979	177,986	157,091	181,330	2,266,272	2,261,268
	2027	194,392	164,219	163,163	165,842	190,187	212,757	229,122	239,897	206,906	179,666	158,578	183,014	2,287,741	2,282,891
Projected	2028	196,153	167,168	164,671	167,387	191,950	214,707	231,204	242,076	208,783	181,303	160,029	184,658	2,310,088	2,305,356
	2029	197,874	167,185	166,145	168,900	193,676	216,617	233,244	244,211	210,623	182,909	161,454	186,271	2,329,108	2,324,464
	2030	199,559	168,622	167,591	170,386	195,371	218,488	235,241	246,302	212,424	184,481	162,850	187,848	2,349,163	2,344,618
	2031	201,330	170,247	169,349	172,308	197,687	221,187	238,294	249,675	215,455	187,275	165,478	190,950	2,379,235	2,370,711
	2032	204,523	174,504	172,153	175,171	200,918	224,742	242,115	253,683	218,873	190,270	168,148	193,948	2,419,048	2,410,385
	2033	207,559	175,574	174,680	177,674	203,675	227,742	245,270	256,895	221,533	192,483	170,002	196,036	2,449,123	2,442,967
	2034	209,774	177,382	176,413	179,375	205,567	229,819	247,438	259,089	223,353	194,013	171,314	197,465	2,471,003	2,466,732
	2035	211,257	178,654	177,702	180,705	207,083	231,489	249,222	260,960	224,968	195,430	172,578	198,890	2,488,937	2,484,832
	2036	212,733	181,455	178,980	182,021	208,582	233,138	250,977	262,798	226,552	196,816	173,810	200,276	2,508,137	2,504,134
	2037	214,172	181,150	180,226	183,304	210,042	234,746	252,692	264,594	228,099	198,168	175,010	201,628	2,523,830	2,519,925

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.7%	6.9%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.7%	7.0%	100.0%
	2017	7.3%	6.2%	7.2%	7.8%	9.1%	9.1%	10.1%	10.6%	9.0%	8.0%	7.2%	8.3%	100.0%
Projected	2018	8.4%	7.1%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.1%	7.9%	6.9%	8.0%	100.0%
	2019	8.5%	7.1%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	7.0%	8.1%	100.0%
	2020	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.8%	6.9%	8.0%	100.0%
	2021	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
	2022	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
	2023	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
	2024	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.8%	6.9%	8.0%	100.0%
	2025	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
	2026	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
	2027	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	7.9%	6.9%	8.0%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	6.9%	7.6%	100.0%
	2018-2027	8.5%	7.2%	7.1%	7.2%	8.3%	9.3%	10.0%	10.5%	9.0%	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).

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5/31/2018

FMPA 2018 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	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	344.9	288.0	279.3	379.5	435.7
	2017	345.1	284.4	313.0	380.9	398.2	409.9	419.4	429.8	401.5	359.9	309.1	308.3	345.1	429.8
Projected	2018	425.7	389.2	340.7	349.1	403.5	441.2	432.5	452.0	419.0	378.7	314.1	313.3	425.7	452.0
	2019	432.6	395.5	346.2	354.8	410.1	448.4	439.5	459.3	425.8	384.9	321.6	321.5	432.6	459.3
	2020	443.7	405.5	354.4	363.4	419.9	459.0	449.9	470.3	436.2	394.2	325.0	324.9	443.7	470.3
	2021	448.3	409.7	358.1	367.2	424.3	463.7	454.5	475.2	440.7	398.3	328.5	328.3	448.3	475.2
	2022	453.1	414.1	362.0	371.1	428.8	468.7	459.4	480.3	445.4	402.6	332.0	331.9	453.1	480.3
	2023	458.0	418.5	365.9	375.1	433.4	473.8	464.4	485.5	450.3	406.9	335.8	335.6	458.0	485.5
	2024	463.1	423.2	370.0	379.4	438.3	479.1	469.6	491.0	455.3	411.5	339.1	338.9	463.1	491.0
	2025	467.6	427.4	373.6	383.1	442.6	483.8	474.2	495.8	459.8	415.5	342.4	342.2	467.6	495.8
	2026	472.3	431.6	377.3	386.9	447.0	488.6	479.0	500.8	464.4	419.7	345.7	345.5	472.3	500.8
	2027	476.7	435.7	380.9	390.5	451.3	493.2	483.5	505.5	468.8	423.7	349.0	348.8	476.7	505.5
Projected	2028	481.4	440.0	384.6	394.4	455.7	498.1	488.2	510.4	473.3	427.8	351.9	351.7	481.4	510.4
	2029	485.4	443.6	387.8	397.6	459.4	502.2	492.2	514.6	477.2	431.3	354.9	354.7	485.4	514.6
	2030	489.5	447.4	391.2	401.0	463.4	506.5	496.5	519.1	481.4	435.0	359.5	359.2	489.5	519.1
	2031	495.8	453.1	396.2	406.2	469.3	513.0	502.8	525.7	487.5	440.6	365.6	365.1	495.8	525.7
	2032	504.0	460.6	402.8	412.9	477.1	521.6	511.2	534.5	495.6	447.9	370.2	369.6	504.0	534.5
	2033	510.2	466.4	407.8	418.1	483.1	528.0	517.6	541.2	501.8	453.5	373.5	372.8	510.2	541.2
	2034	514.8	470.5	411.4	421.8	487.4	532.8	522.2	546.0	506.3	457.5	376.2	375.5	514.8	546.0
	2035	518.5	473.9	414.4	424.9	490.9	536.6	526.0	550.0	510.0	460.9	379.1	378.4	518.5	550.0
	2036	522.5	477.6	417.6	428.1	494.7	540.8	530.1	554.2	513.9	464.4	381.5	380.8	522.5	554.2
	2037	525.8	480.6	420.3	430.8	497.8	544.1	533.4	557.7	517.1	467.3	384.0	383.3	525.8	557.7

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.7%	60.9%	68.3%	58.6%	51.0%
	2017	54.8%	63.4%	60.0%	53.1%	66.2%	58.1%	64.9%	64.1%	60.5%	58.2%	60.3%	72.9%	64.1%	51.5%
Projected	2018	54.6%	55.8%	57.6%	56.8%	62.7%	58.1%	65.9%	63.9%	61.6%	57.2%	60.9%	73.1%	54.9%	51.7%
	2019	54.8%	56.1%	57.5%	57.0%	62.8%	58.1%	65.9%	63.9%	61.5%	57.7%	60.9%	72.8%	55.0%	51.8%
	2020	54.8%	54.6%	57.5%	56.9%	62.6%	57.9%	65.8%	63.8%	61.3%	57.0%	61.0%	72.8%	54.8%	51.7%
	2021	54.8%	56.1%	57.5%	57.0%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.0%	72.8%	54.8%	51.7%
	2022	54.8%	56.1%	57.5%	57.0%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.0%	72.8%	54.8%	51.7%
	2023	54.8%	56.1%	57.5%	57.0%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.0%	72.8%	54.8%	51.7%
	2024	54.8%	54.6%	57.5%	57.0%	62.6%	57.9%	65.8%	63.8%	61.3%	57.0%	61.0%	72.9%	54.8%	51.7%
	2025	54.8%	56.1%	57.6%	57.0%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.1%	72.9%	54.8%	51.7%
	2026	54.8%	56.1%	57.6%	57.1%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.1%	72.9%	54.8%	51.7%
	2027	54.8%	56.1%	57.6%	57.1%	62.7%	58.0%	65.8%	63.8%	61.3%	57.0%	61.1%	72.9%	54.8%	51.7%
Avg.	2008-2017	53.8%	54.7%	61.4%	58.6%	67.6%	59.6%	65.2%	62.9%	62.8%	59.3%	60.1%	65.6%	55.3%	51.9%
	2018-2027	54.8%	55.8%	57.5%	57.0%	62.7%	58.0%	65.8%	63.8%	61.4%	57.1%	61.0%	72.9%	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)

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5/31/2018

FMPA 2018 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	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	325.0	285.2	268.6	343.2	429.1
	2017	341.0	280.6	308.4	380.2	386.8	405.7	414.7	423.7	379.4	354.1	304.1	296.8	308.4	423.7
Projected	2018	423.3	387.7	324.2	345.9	394.5	432.8	424.0	445.7	406.2	372.6	309.0	301.6	423.3	445.7
	2019	430.1	394.0	329.5	351.5	400.9	439.8	430.2	452.9	412.8	378.7	316.4	309.0	430.1	452.9
	2020	441.1	403.9	337.1	359.8	410.2	450.1	440.9	463.4	422.8	387.9	319.7	312.2	441.1	463.4
	2021	445.7	408.0	340.6	363.5	414.5	454.8	445.5	468.3	427.2	391.9	323.2	315.5	445.7	468.3
	2022	450.5	412.4	344.2	367.4	419.0	459.7	450.2	473.3	431.8	396.1	326.6	318.9	450.5	473.3
	2023	455.3	416.9	348.0	371.4	423.5	464.6	455.1	478.4	436.4	400.4	330.3	322.5	455.3	478.4
	2024	460.5	421.6	351.9	375.6	428.3	469.9	460.2	483.8	441.4	404.9	333.6	325.7	460.5	483.8
	2025	465.0	425.7	355.3	379.3	432.4	474.5	464.8	488.6	445.7	408.8	336.9	328.9	465.0	488.6
	2026	469.6	429.9	358.9	383.1	436.8	479.2	469.4	493.5	450.1	412.9	340.1	332.0	469.6	493.5
	2027	474.0	434.0	362.3	386.7	440.9	483.7	473.8	498.1	454.4	416.8	343.4	335.3	474.0	498.1
Projected	2028	478.7	438.3	365.8	390.5	445.2	488.5	478.5	503.0	458.8	420.9	346.2	338.0	478.7	503.0
	2029	482.6	441.9	368.8	393.7	448.9	492.5	482.4	507.2	462.6	424.4	349.2	340.9	482.6	507.2
	2030	486.8	445.7	372.0	397.1	452.7	496.7	486.6	511.5	466.6	428.0	353.7	345.3	486.8	511.5
	2031	493.0	451.4	376.8	402.2	458.5	503.1	492.8	518.1	472.5	433.5	359.7	351.0	493.0	518.1
	2032	501.2	458.9	383.1	408.9	466.2	511.6	501.1	526.8	480.4	440.7	364.3	355.3	501.2	526.8
	2033	507.4	464.6	387.9	413.9	472.0	518.0	507.3	533.4	486.4	446.2	367.6	358.5	507.4	533.4
	2034	511.9	468.7	391.4	417.6	476.2	522.6	511.9	538.2	490.8	450.2	370.2	361.1	511.9	538.2
	2035	515.6	472.1	394.2	420.7	479.7	526.4	515.6	542.1	494.3	453.5	373.1	363.9	515.6	542.1
	2036	519.6	475.8	397.2	423.9	483.4	530.5	519.5	546.3	498.1	457.0	375.4	366.1	519.6	546.3
	2037	522.9	478.8	399.7	426.6	486.4	533.8	522.8	549.7	501.2	459.8	377.9	368.6	522.9	549.7

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	94.2%	99.0%	96.2%	90.4%	98.5%
	2017	98.8%	98.7%	98.5%	99.8%	97.1%	99.0%	98.9%	98.6%	94.5%	98.4%	98.4%	96.3%	89.4%	98.6%
Projected	2018	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.3%	99.4%	98.6%
	2019	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.1%	99.4%	98.6%
	2020	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2021	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2022	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2023	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2024	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2025	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2026	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2008-2017	99.3%	99.3%	95.6%	97.7%	97.1%	98.0%	97.4%	98.4%	97.5%	97.8%	93.4%	96.2%	97.1%	98.1%
	2018-2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%

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)

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5/31/2018

FMPA 2018 Load Forecast - Mild Weather Case
Total Agency - Supplied
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	7,091,611	-	7,079,364	-	-0.2%	1,330.2	-	1,346.4	-	1.2%	1,450.1	-	1,464.1	-	1.0%
	2009	6,847,285	-3.4%	6,819,959	-3.7%	-0.4%	1,418.5	6.6%	1,328.0	-1.4%	-6.4%	1,481.7	2.2%	1,453.9	-0.7%	-1.9%
	2010	6,469,062	-5.5%	6,158,489	-9.7%	-4.8%	1,412.0	-0.5%	1,220.2	-8.1%	-13.6%	1,272.1	-14.1%	1,251.4	-13.9%	-1.6%
	2011	6,147,277	-5.0%	5,917,296	-3.9%	-3.7%	1,258.3	-10.9%	1,245.4	2.1%	-1.0%	1,258.2	-1.1%	1,206.9	-3.6%	-4.1%
	2012	5,914,360	-3.8%	5,954,712	0.6%	0.7%	1,096.7	-12.8%	1,108.0	-11.0%	1.0%	1,203.3	-4.4%	1,312.3	8.7%	9.1%
	2013	5,914,988	0.0%	5,935,282	-0.3%	0.3%	1,009.9	-7.9%	1,033.6	-6.7%	2.3%	1,222.0	1.6%	1,271.6	-3.1%	4.1%
	2014	5,733,592	-3.1%	5,654,586	-4.7%	-1.4%	996.9	-1.3%	1,129.0	9.2%	13.2%	1,185.1	-3.0%	1,192.4	-6.2%	0.6%
	2015	5,777,052	0.8%	5,618,961	-0.6%	-2.7%	1,128.5	13.2%	1,050.6	-6.9%	-6.9%	1,194.4	0.8%	1,246.3	4.5%	4.4%
	2016	5,981,790	3.5%	5,783,323	2.9%	-3.3%	1,009.9	-10.5%	1,095.0	4.2%	8.4%	1,267.7	6.1%	1,245.4	-0.1%	-1.8%
	2017	5,827,865	-2.6%	5,805,277	0.4%	-0.4%	919.8	-8.9%	974.3	-11.0%	5.9%	1,236.7	-2.4%	1,327.2	6.6%	7.3%
Projected	2018	5,763,674	-1.1%	5,763,674	-0.7%		1,055.2	14.7%	1,055.2	8.3%		1,213.0	-1.9%	1,213.0	-8.6%	
	2019			5,842,202	1.4%				1,068.3	1.2%				1,227.8	1.2%	
	2020			5,918,358	1.3%				1,083.7	1.4%				1,244.3	1.3%	
	2021			5,971,426	0.9%				1,094.0	0.9%				1,256.4	1.0%	
	2022			6,033,676	1.0%				1,105.6	1.1%				1,270.0	1.1%	
	2023			6,099,154	1.1%				1,117.6	1.1%				1,284.2	1.1%	
	2024			6,169,615	1.2%				1,130.5	1.2%				1,299.3	1.2%	
	2025			6,229,496	1.0%				1,141.4	1.0%				1,312.2	1.0%	
	2026			6,292,448	1.0%				1,152.9	1.0%				1,325.6	1.0%	
	2027			6,352,868	1.0%				1,163.9	1.0%				1,338.6	1.0%	
	2028			6,416,565	1.0%				1,175.6	1.0%				1,352.3	1.0%	
	2029			6,470,460	0.8%				1,185.5	0.8%				1,363.9	0.9%	
	2030			6,528,664	0.9%				1,196.1	0.9%				1,376.4	0.9%	
	2031			6,590,924	1.0%				1,208.4	1.0%				1,390.7	1.0%	
	2032			6,668,269	1.2%				1,223.0	1.2%				1,407.5	1.2%	
	2033			6,732,006	1.0%				1,234.6	0.9%				1,420.7	0.9%	
	2034			6,790,344	0.9%				1,245.1	0.8%				1,433.0	0.9%	
	2035			6,843,272	0.8%				1,254.8	0.8%				1,444.4	0.8%	
	2036			6,823,048	-0.3%				1,249.3	-0.4%				1,440.3	-0.3%	
	2037			6,870,653	0.7%				1,258.1	0.7%				1,450.6	0.7%	
CAGR [3]	2008-2017		-2.2%		-2.2%			-4.0%		-3.5%			-1.8%		-1.1%	
	2018-2027				1.1%					1.1%					1.1%	
	2028-2037				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

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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.51 MW beginning Jan-20

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5/31/2018

FMPA 2018 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	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	481,763	397,590	424,514	5,924,706	5,981,790
	2017	420,501	369,488	422,913	462,373	543,871	546,093	610,626	626,595	521,538	485,965	416,351	425,830	5,852,144	5,827,865
Projected	2018	418,464	373,920	421,671	447,729	516,342	552,617	583,901	594,539	526,345	490,215	426,188	433,918	5,785,849	5,763,674
	2019	426,257	380,492	426,958	453,942	522,913	558,790	590,334	600,804	531,389	497,203	432,310	439,905	5,861,299	5,842,202
	2020	431,794	389,023	431,820	459,060	528,670	565,204	597,331	608,151	537,887	501,222	435,514	443,067	5,928,743	5,918,358
	2021	436,012	388,808	436,128	463,643	534,018	571,050	603,627	614,645	543,692	506,233	439,828	447,479	5,985,163	5,971,426
	2022	440,426	392,751	440,616	468,415	539,680	577,151	610,156	621,336	549,604	511,729	444,534	452,229	6,048,627	6,033,676
	2023	445,119	396,935	445,350	473,406	545,573	583,461	616,895	628,233	555,692	517,320	449,322	457,059	6,114,364	6,099,154
	2024	449,907	405,489	450,151	478,459	551,538	589,827	623,673	635,132	561,739	522,894	454,052	461,789	6,184,650	6,169,615
	2025	454,563	405,330	454,800	483,335	557,275	595,942	630,178	641,766	567,572	528,294	458,665	466,432	6,244,151	6,229,496
	2026	459,149	409,394	459,372	488,134	562,925	601,960	636,576	648,273	573,273	533,549	463,124	470,891	6,306,620	6,292,448
	2027	463,543	413,290	463,750	492,724	568,328	607,716	642,699	654,508	578,747	538,607	467,430	475,214	6,366,556	6,352,868
Projected	2028	467,821	421,628	468,027	497,221	573,640	613,389	648,747	660,675	584,166	543,617	471,690	479,487	6,430,108	6,416,565
	2029	472,040	420,843	472,257	501,662	578,881	618,984	654,714	666,764	589,523	548,576	475,918	483,738	6,483,899	6,470,460
	2030	476,253	424,578	476,470	506,091	584,116	624,574	660,672	672,832	594,846	553,488	480,084	487,906	6,541,910	6,528,664
	2031	480,467	428,408	480,877	510,832	589,805	630,771	667,369	679,828	601,089	559,380	485,343	493,387	6,607,556	6,590,924
	2032	485,813	437,934	486,198	516,441	596,337	637,734	674,704	687,349	607,648	565,436	490,628	498,756	6,684,978	6,668,269
	2033	490,989	437,724	491,243	521,686	602,391	644,147	681,404	694,116	613,486	570,731	495,095	503,217	6,746,229	6,732,006
	2034	495,375	441,538	495,481	526,095	607,540	649,626	687,172	699,937	618,536	575,342	498,979	507,068	6,802,689	6,790,344
	2035	499,184	444,918	499,292	530,102	612,281	654,691	692,577	705,453	623,385	573,420	496,927	504,998	6,837,228	6,843,272
	2036	496,980	447,990	497,230	528,252	610,114	652,530	690,209	703,268	621,130	577,863	500,706	508,789	6,835,061	6,823,048
	2037	500,741	446,365	501,028	532,250	614,857	657,607	695,639	708,810	625,998	573,989	496,876	504,862	6,859,023	6,870,653

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	7.4%	8.7%	9.9%	10.9%	10.4%	9.4%	8.1%	6.7%	7.2%	100.0%
	2017	7.2%	6.3%	7.2%	7.9%	9.3%	9.3%	10.4%	10.7%	8.9%	8.3%	7.1%	7.3%	100.0%
Projected	2018	7.2%	6.5%	7.3%	7.7%	8.9%	9.6%	10.1%	10.3%	9.1%	8.5%	7.4%	7.5%	100.0%
	2019	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.4%	7.5%	100.0%
	2020	7.3%	6.6%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2021	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2022	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2023	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2024	7.3%	6.6%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2025	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2026	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
	2027	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	7.3%	7.5%	100.0%
Avg.	2008-2017	7.6%	6.7%	7.2%	7.6%	8.9%	9.6%	10.2%	10.3%	9.3%	8.2%	6.9%	7.4%	100.0%
	2018-2027	7.3%	6.5%	7.3%	7.7%	8.9%	9.5%	10.1%	10.3%	9.1%	8.5%	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)

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5/31/2018

FMPA 2018 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	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	1,067.3	864.6	884.5	1,061.1	1,291.2
	2017	981.0	845.4	971.0	1,111.6	1,194.5	1,201.3	1,251.4	1,267.4	1,203.9	1,079.4	883.4	862.7	981.0	1,267.4
Projected	2018	1,113.9	1,000.5	969.8	978.6	1,114.5	1,208.2	1,216.2	1,240.8	1,161.6	1,062.4	885.7	873.3	1,113.9	1,240.8
	2019	1,127.7	1,013.0	981.6	990.5	1,128.1	1,222.9	1,231.0	1,256.0	1,175.8	1,075.3	899.6	887.5	1,127.7	1,256.0
	2020	1,143.1	1,027.2	994.4	1,003.8	1,143.3	1,239.4	1,247.5	1,273.2	1,191.9	1,089.8	906.4	893.9	1,143.1	1,273.2
	2021	1,153.8	1,036.8	1,004.0	1,013.4	1,154.3	1,251.3	1,259.5	1,285.5	1,203.4	1,100.3	916.4	903.3	1,153.8	1,285.5
	2022	1,165.8	1,047.6	1,015.0	1,024.3	1,166.7	1,264.8	1,273.0	1,299.4	1,216.4	1,112.2	926.3	912.9	1,165.8	1,299.4
	2023	1,178.2	1,058.8	1,026.3	1,035.6	1,179.6	1,278.8	1,287.1	1,313.8	1,229.9	1,124.5	936.9	923.2	1,178.2	1,313.8
	2024	1,191.5	1,070.7	1,038.5	1,047.7	1,193.4	1,293.7	1,302.1	1,329.2	1,244.3	1,137.7	945.8	931.9	1,191.5	1,329.2
	2025	1,202.8	1,080.9	1,048.7	1,057.9	1,205.1	1,306.4	1,314.9	1,342.2	1,256.5	1,148.8	955.2	941.1	1,202.8	1,342.2
	2026	1,214.6	1,091.6	1,059.5	1,068.6	1,217.3	1,319.6	1,328.3	1,355.9	1,269.3	1,160.5	964.2	949.8	1,214.6	1,355.9
	2027	1,226.0	1,101.8	1,069.9	1,078.9	1,229.1	1,332.4	1,341.1	1,369.1	1,281.6	1,171.7	973.7	959.2	1,226.0	1,369.1
Projected	2028	1,238.0	1,112.5	1,080.9	1,089.8	1,241.6	1,345.9	1,354.7	1,383.0	1,294.6	1,183.6	981.8	967.0	1,238.0	1,383.0
	2029	1,248.2	1,121.7	1,090.2	1,099.1	1,252.1	1,357.3	1,366.2	1,394.8	1,305.7	1,193.7	990.5	975.5	1,248.2	1,394.8
	2030	1,259.2	1,131.6	1,100.2	1,109.1	1,263.5	1,369.7	1,378.7	1,407.6	1,317.6	1,204.6	1,000.4	985.2	1,259.2	1,407.6
	2031	1,271.8	1,143.0	1,111.5	1,120.3	1,276.4	1,383.7	1,392.7	1,422.0	1,331.0	1,216.9	1,012.1	996.5	1,271.8	1,422.0
	2032	1,286.8	1,156.5	1,124.8	1,133.6	1,291.6	1,400.2	1,409.3	1,439.1	1,346.9	1,231.3	1,021.3	1,005.5	1,286.8	1,439.1
	2033	1,298.6	1,167.2	1,135.3	1,144.1	1,303.6	1,413.3	1,422.4	1,452.5	1,359.5	1,242.8	1,029.8	1,013.8	1,298.6	1,452.5
	2034	1,309.4	1,176.9	1,145.0	1,153.8	1,314.7	1,425.3	1,434.5	1,464.9	1,371.1	1,253.4	1,037.8	1,021.5	1,309.4	1,464.9
	2035	1,319.4	1,185.9	1,154.2	1,162.9	1,325.1	1,436.5	1,445.8	1,476.5	1,381.9	1,249.9	1,034.9	1,016.3	1,319.4	1,476.5
	2036	1,313.7	1,180.4	1,151.4	1,159.7	1,321.7	1,432.7	1,441.9	1,472.3	1,378.2	1,260.6	1,042.1	1,023.2	1,313.7	1,472.3
	2037	1,322.8	1,188.5	1,159.6	1,167.9	1,331.0	1,442.9	1,452.1	1,482.8	1,388.1	1,251.1	1,034.8	1,013.7	1,322.8	1,482.8

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	61.8%	66.7%	63.7%	52.4%
	2017	57.6%	65.0%	58.5%	55.9%	67.8%	61.1%	67.8%	66.5%	60.2%	60.5%	63.3%	68.6%	68.1%	52.7%
Projected	2018	50.5%	55.6%	58.4%	61.5%	68.9%	61.5%	66.7%	64.4%	62.9%	62.0%	64.7%	69.0%	59.3%	53.2%
	2019	50.8%	55.9%	58.5%	61.6%	69.0%	61.4%	66.6%	64.3%	62.8%	62.1%	64.6%	68.8%	59.3%	53.3%
	2020	50.8%	54.4%	58.4%	61.5%	68.8%	61.3%	66.5%	64.2%	62.7%	61.8%	64.6%	68.8%	59.2%	53.2%
	2021	50.8%	55.8%	58.4%	61.5%	68.8%	61.3%	66.6%	64.3%	62.7%	61.8%	64.5%	68.8%	59.2%	53.2%
	2022	50.8%	55.8%	58.3%	61.5%	68.8%	61.3%	66.6%	64.3%	62.8%	61.8%	64.5%	68.8%	59.2%	53.1%
	2023	50.8%	55.8%	58.3%	61.4%	68.8%	61.3%	66.6%	64.3%	62.8%	61.8%	64.5%	68.8%	59.2%	53.1%
	2024	50.8%	54.4%	58.3%	61.4%	68.8%	61.3%	66.5%	64.2%	62.7%	61.8%	64.5%	68.8%	59.3%	53.1%
	2025	50.8%	55.8%	58.3%	61.4%	68.8%	61.3%	66.6%	64.3%	62.7%	61.8%	64.5%	68.8%	59.3%	53.1%
	2026	50.8%	55.8%	58.3%	61.4%	68.8%	61.3%	66.6%	64.3%	62.7%	61.8%	64.6%	68.9%	59.3%	53.1%
	2027	50.8%	55.8%	58.3%	61.4%	68.8%	61.3%	66.6%	64.3%	62.7%	61.8%	64.5%	68.8%	59.3%	53.1%
Avg.	2008-2017	55.5%	57.2%	61.6%	60.2%	69.7%	62.1%	68.1%	65.7%	64.7%	61.2%	60.1%	65.9%	59.0%	53.5%
	2018-2027	50.8%	55.5%	58.3%	61.5%	68.8%	61.3%	66.6%	64.3%	62.8%	61.9%	64.5%	68.8%	59.3%	53.1%

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)

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5/31/2018

FMPA 2018 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	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	1,258.2	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	989.2	843.2	827.1	1,009.9	1,267.7
	2017	862.8	831.4	919.8	1,105.8	1,174.1	1,178.1	1,215.9	1,236.7	1,157.4	1,051.8	833.6	804.5	919.8	1,236.7
Projected	2018	1,055.2	961.6	914.9	951.8	1,084.0	1,176.0	1,180.5	1,213.0	1,115.1	1,035.4	836.2	814.4	1,055.2	1,213.0
	2019	1,068.3	973.7	925.9	963.3	1,097.3	1,190.4	1,194.9	1,227.8	1,128.7	1,048.0	849.5	827.2	1,068.3	1,227.8
	2020	1,083.7	987.4	937.8	976.1	1,111.8	1,206.4	1,210.8	1,244.3	1,144.1	1,062.2	855.9	833.2	1,083.7	1,244.3
	2021	1,094.0	996.8	946.9	985.5	1,122.6	1,218.1	1,222.5	1,256.4	1,155.2	1,072.5	865.4	842.1	1,094.0	1,256.4
	2022	1,105.6	1,007.4	957.4	996.2	1,134.7	1,231.3	1,235.7	1,270.0	1,167.7	1,084.1	874.8	851.3	1,105.6	1,270.0
	2023	1,117.6	1,018.4	968.2	1,007.3	1,147.3	1,245.0	1,249.4	1,284.2	1,180.6	1,096.2	885.0	861.1	1,117.6	1,284.2
	2024	1,130.5	1,030.1	979.9	1,019.1	1,160.8	1,259.6	1,264.1	1,299.3	1,194.5	1,109.1	893.5	869.4	1,130.5	1,299.3
	2025	1,141.4	1,040.1	989.7	1,029.1	1,172.2	1,272.1	1,276.5	1,312.2	1,206.3	1,120.0	902.4	878.2	1,141.4	1,312.2
	2026	1,152.9	1,050.6	1,000.0	1,039.7	1,184.2	1,285.1	1,289.6	1,325.6	1,218.6	1,131.4	911.0	886.5	1,152.9	1,325.6
	2027	1,163.9	1,060.6	1,009.9	1,049.8	1,195.7	1,297.6	1,302.1	1,338.6	1,230.5	1,142.4	920.1	895.5	1,163.9	1,338.6
Projected	2028	1,175.6	1,071.2	1,020.5	1,060.5	1,207.9	1,310.9	1,315.4	1,352.3	1,243.0	1,154.1	927.8	902.9	1,175.6	1,352.3
	2029	1,185.5	1,080.2	1,029.3	1,069.6	1,218.3	1,322.1	1,326.7	1,363.9	1,253.7	1,164.0	936.1	911.1	1,185.5	1,363.9
	2030	1,196.1	1,090.0	1,038.9	1,079.3	1,229.4	1,334.2	1,338.8	1,376.4	1,265.1	1,174.7	945.6	920.3	1,196.1	1,376.4
	2031	1,208.4	1,101.2	1,049.7	1,090.4	1,242.0	1,348.0	1,352.5	1,390.7	1,278.1	1,186.7	956.9	931.2	1,208.4	1,390.7
	2032	1,223.0	1,114.5	1,062.5	1,103.5	1,256.9	1,364.2	1,368.7	1,407.5	1,293.4	1,200.9	965.7	939.8	1,223.0	1,407.5
	2033	1,234.6	1,125.1	1,072.5	1,113.8	1,268.7	1,377.1	1,381.5	1,420.7	1,305.6	1,212.1	973.9	947.7	1,234.6	1,420.7
	2034	1,245.1	1,134.6	1,081.8	1,123.3	1,279.5	1,388.9	1,393.3	1,433.0	1,316.7	1,222.4	981.5	955.1	1,245.1	1,433.0
	2035	1,254.8	1,143.5	1,090.6	1,132.2	1,289.7	1,399.9	1,404.4	1,444.4	1,327.2	1,219.5	978.6	950.6	1,254.8	1,444.4
	2036	1,249.3	1,137.9	1,088.1	1,129.0	1,286.2	1,396.3	1,400.7	1,440.3	1,324.0	1,230.1	985.4	957.2	1,249.3	1,440.3
	2037	1,258.1	1,145.9	1,096.0	1,137.0	1,295.4	1,406.3	1,410.7	1,450.6	1,333.4	1,221.3	978.2	949.1	1,258.1	1,450.6

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	92.7%	97.5%	93.5%	95.2%	98.2%
	2017	88.0%	98.3%	94.7%	99.5%	98.3%	98.1%	97.2%	97.6%	96.1%	97.5%	94.4%	93.3%	93.8%	97.6%
Projected	2018	94.7%	96.1%	94.3%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.3%	94.7%	97.8%
	2019	94.7%	96.1%	94.3%	97.3%	97.3%	97.3%	97.1%	97.8%	96.0%	97.5%	94.4%	93.2%	94.7%	97.8%
	2020	94.8%	96.1%	94.3%	97.2%	97.2%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2021	94.8%	96.1%	94.3%	97.2%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2022	94.8%	96.2%	94.3%	97.3%	97.3%	97.3%	97.1%	97.7%	96.0%	97.5%	94.4%	93.2%	94.8%	97.7%
	2023	94.9%	96.2%	94.3%	97.3%	97.3%	97.4%	97.1%	97.7%	96.0%	97.5%	94.5%	93.3%	94.9%	97.7%
	2024	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2025	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2026	94.9%	96.2%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.9%	97.8%
	2027	94.9%	96.3%	94.4%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.4%	94.9%	97.8%
	2008-2017	94.7%	95.4%	94.2%	96.4%	96.8%	97.2%	96.5%	97.4%	95.8%	97.0%	92.9%	93.0%	96.4%	97.5%
	2018-2027	94.8%	96.2%	94.3%	97.3%	97.3%	97.4%	97.1%	97.8%	96.0%	97.5%	94.5%	93.3%	94.8%	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)

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5/31/2018

FMPA 2018 Load Forecast - Mild Weather Case
FP&L Cities - Supplied
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 [1,2] | | | | | | | | | |
| | | | | | | | 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	2008	3,682,412	-	3,644,271	-	-1.0%	670.8	-	692.1	-	3.2%	719.7	-	729.0	-	1.3%
	2009	3,516,717	-4.5%	3,503,890	-3.9%	-0.4%	709.9	5.8%	652.6	-5.7%	-8.1%	731.3	1.6%	698.7	-4.2%	-4.5%
	2010	3,044,869	-13.4%	2,916,556	-16.8%	-4.2%	631.0	-11.1%	523.5	-19.8%	-17.0%	553.1	-24.4%	542.9	-22.3%	-1.8%
	2011	2,805,902	-7.8%	2,711,488	-7.0%	-3.4%	544.4	-13.7%	545.0	4.1%	0.1%	534.8	-3.3%	513.7	-5.4%	-3.9%
	2012	2,709,712	-3.4%	2,731,112	0.7%	0.8%	469.7	-13.7%	485.7	-10.9%	3.4%	527.2	-1.4%	549.9	7.0%	4.3%
	2013	2,693,753	-0.6%	2,710,017	-0.8%	0.6%	425.0	-9.5%	448.3	-7.7%	5.5%	524.0	-0.6%	538.6	-2.1%	2.8%
	2014	2,437,324	-9.5%	2,396,472	-11.6%	-1.7%	384.4	-9.5%	437.3	-2.5%	13.7%	452.1	-13.7%	460.2	-14.6%	1.8%
	2015	2,366,430	-2.9%	2,315,072	-3.4%	-2.2%	456.4	18.7%	405.7	-7.2%	-11.1%	444.3	-1.7%	465.3	1.1%	4.7%
	2016	2,436,956	3.0%	2,368,506	2.3%	-2.8%	390.9	-14.3%	428.9	5.7%	9.7%	484.9	9.1%	472.0	1.4%	-2.7%
	2017	2,341,144	-3.9%	2,313,898	-2.3%	-1.2%	344.6	-11.9%	346.6	-19.2%	0.6%	467.3	-3.6%	490.1	3.8%	4.9%
Projected	2018	2,282,628	-2.5%	2,282,628	-1.4%		400.3	16.2%	400.3	15.5%		448.1	-4.1%	448.1	-8.6%	
	2019			2,309,605	1.2%				404.8	1.1%				453.1	1.1%	
	2020			2,319,808	0.4%				406.0	0.3%				454.7	0.4%	
	2021			2,331,423	0.5%				408.4	0.6%				457.5	0.6%	
	2022			2,342,887	0.5%				410.6	0.5%				459.8	0.5%	
	2023			2,355,122	0.5%				412.9	0.6%				462.2	0.5%	
	2024			2,367,182	0.5%				415.2	0.6%				464.6	0.5%	
	2025			2,378,872	0.5%				417.4	0.5%				466.9	0.5%	
	2026			2,390,183	0.5%				419.6	0.5%				469.2	0.5%	
	2027			2,400,921	0.4%				421.6	0.5%				471.3	0.5%	
	2028			2,411,391	0.4%				423.7	0.5%				473.4	0.4%	
	2029			2,421,622	0.4%				425.7	0.5%				475.4	0.4%	
	2030			2,431,837	0.4%				427.6	0.5%				477.5	0.4%	
	2031			2,441,914	0.4%				429.6	0.5%				479.5	0.4%	
	2032			2,451,931	0.4%				431.6	0.5%				481.5	0.4%	
	2033			2,461,608	0.4%				433.5	0.4%				483.4	0.4%	
	2034			2,471,228	0.4%				435.4	0.4%				485.3	0.4%	
	2035			2,480,568	0.4%				437.3	0.4%				487.2	0.4%	
	2036			2,412,141	-2.8%				423.1	-3.2%				472.6	-3.0%	
	2037			2,420,854	0.4%				424.9	0.4%				474.3	0.4%	
CAGR [3]	2008-2017		-4.9%		-4.9%			-7.1%		-7.4%			-4.7%		-4.3%	
	2018-2027				0.6%					0.6%					0.6%	
	2028-2037				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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.51 MW beginning Jan-20

5/31/2018

FMPA 2018 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	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	196,875	162,861	175,563	2,407,707	2,436,956
	2017	170,310	151,110	171,235	184,929	216,561	221,569	247,242	248,927	193,963	195,778	166,186	168,818	2,336,628	2,341,144
Projected	2018	165,722	147,497	163,632	180,335	201,159	219,275	232,090	233,472	208,665	196,247	169,760	172,028	2,289,881	2,282,628
	2019	168,668	149,952	165,414	182,264	203,314	221,499	234,283	235,602	210,577	198,341	171,607	173,820	2,315,339	2,309,605
	2020	169,414	150,433	165,696	182,573	203,641	222,040	234,875	236,219	211,147	198,564	171,644	173,804	2,320,051	2,319,808
	2021	170,417	151,307	166,798	183,747	204,923	223,462	236,387	237,776	212,594	199,487	172,463	174,644	2,334,006	2,331,423
	2022	171,259	152,030	167,596	184,633	205,936	224,588	237,585	238,988	213,678	200,494	173,342	175,534	2,345,662	2,342,887
	2023	172,147	152,804	168,448	185,578	207,014	225,789	238,862	240,280	214,830	201,494	174,215	176,413	2,357,874	2,355,122
	2024	173,033	153,697	169,272	186,492	208,060	226,952	240,098	241,525	215,931	202,504	175,087	177,281	2,369,931	2,367,182
	2025	173,901	154,323	170,097	187,403	209,098	228,101	241,316	242,750	217,013	203,493	175,940	178,131	2,381,566	2,378,872
	2026	174,750	155,047	170,879	188,265	210,079	229,188	242,468	243,908	218,033	204,426	176,742	178,927	2,392,715	2,390,183
	2027	175,547	155,734	171,623	189,085	211,014	230,227	243,570	245,015	219,010	205,319	177,511	179,691	2,403,345	2,400,921
Projected	2028	176,315	156,522	172,329	189,870	211,912	231,229	244,638	246,092	219,963	206,193	178,265	180,443	2,413,771	2,411,391
	2029	177,069	157,051	173,050	190,666	212,823	232,244	245,717	247,179	220,922	207,070	179,023	181,198	2,424,011	2,421,622
	2030	177,830	157,695	173,747	191,440	213,711	233,237	246,775	248,247	221,866	207,932	179,766	181,938	2,434,184	2,431,837
	2031	178,574	158,334	174,438	192,205	214,589	234,220	247,820	249,301	222,796	208,783	180,500	182,669	2,444,228	2,441,914
	2032	179,310	159,094	175,112	192,953	215,448	235,184	248,843	250,333	223,704	209,610	181,212	183,377	2,454,180	2,451,931
	2033	180,024	159,582	175,788	193,701	216,308	236,149	249,870	251,369	224,617	210,442	181,931	184,092	2,463,873	2,461,608
	2034	180,747	160,188	176,441	194,424	217,142	237,085	250,865	252,372	225,498	211,243	182,621	184,777	2,473,403	2,471,228
	2035	181,440	160,776	177,075	195,128	217,954	237,998	251,838	253,355	226,363	205,622	177,426	179,546	2,464,522	2,480,568
	2036	176,126	156,212	171,846	189,984	211,870	231,696	245,045	246,642	220,126	206,363	178,063	180,179	2,414,151	2,412,141
	2037	176,767	156,637	172,449	190,657	212,646	232,573	245,979	247,587	220,954	198,743	171,071	173,082	2,399,145	2,420,854

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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%	6.7%	7.3%	7.4%	8.7%	9.8%	10.9%	10.4%	9.3%	8.2%	6.8%	7.3%	100.0%
	2017	7.3%	6.5%	7.3%	7.9%	9.3%	9.5%	10.6%	10.7%	8.3%	8.4%	7.1%	7.2%	100.0%
Projected	2018	7.2%	6.4%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.6%	7.4%	7.5%	100.0%
	2019	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.6%	7.4%	7.5%	100.0%
	2020	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.6%	7.4%	7.5%	100.0%
	2021	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2022	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2023	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2024	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2025	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2026	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
	2027	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.5%	7.4%	7.5%	100.0%
Avg.	2008-2017	7.5%	6.8%	7.3%	7.6%	8.9%	9.6%	10.2%	10.3%	9.2%	8.3%	7.0%	7.3%	100.0%
	2018-2027	7.3%	6.5%	7.1%	7.9%	8.8%	9.6%	10.1%	10.2%	9.1%	8.6%	7.4%	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)

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5/31/2018

FMPA 2018 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	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	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	423.9	344.6	363.7	437.5	501.8
	2017	411.0	333.6	388.3	411.6	456.4	458.5	480.1	485.1	461.3	413.7	361.2	353.6	411.0	485.1
Projected	2018	449.6	397.6	358.7	373.2	421.8	456.0	466.9	465.2	438.8	402.0	356.9	357.6	449.6	466.9
	2019	454.7	402.2	362.7	377.3	426.5	461.0	472.1	470.3	443.7	406.4	360.3	360.8	454.7	472.1
	2020	455.8	403.4	363.6	378.5	428.0	462.7	473.9	472.1	445.3	407.7	360.8	361.1	455.8	473.9
	2021	458.5	405.9	365.8	380.8	430.6	465.5	476.8	475.0	448.0	410.2	363.0	363.0	458.5	476.8
	2022	460.9	408.0	367.6	382.6	432.7	467.8	479.2	477.3	450.2	412.2	364.9	364.9	460.9	479.2
	2023	463.4	410.2	369.4	384.6	435.0	470.3	481.8	479.8	452.6	414.3	366.9	366.8	463.4	481.8
	2024	466.0	412.5	371.3	386.6	437.2	472.7	484.3	482.3	454.9	416.4	368.7	368.6	466.0	484.3
	2025	468.4	414.6	373.0	388.4	439.4	475.0	486.7	484.7	457.2	418.5	370.4	370.4	468.4	486.7
	2026	470.8	416.7	374.7	390.2	441.5	477.3	489.0	487.0	459.3	420.4	372.1	372.0	470.8	489.0
	2027	473.0	418.6	376.3	392.0	443.5	479.4	491.3	489.2	461.4	422.3	373.7	373.7	473.0	491.3
Projected	2028	475.2	420.5	377.9	393.6	445.4	481.5	493.4	491.4	463.4	424.1	375.3	375.3	475.2	493.4
	2029	477.4	422.5	379.5	395.3	447.3	483.6	495.6	493.5	465.4	425.9	376.9	376.9	477.4	495.6
	2030	479.6	424.3	381.0	396.9	449.2	485.6	497.7	495.6	467.4	427.7	378.4	378.5	479.6	497.7
	2031	481.7	426.2	382.5	398.6	451.1	487.7	499.8	497.7	469.3	429.4	380.0	380.1	481.7	499.8
	2032	483.9	428.1	384.1	400.2	452.9	489.7	501.9	499.7	471.3	431.2	381.5	381.6	483.9	501.9
	2033	486.0	429.9	385.5	401.7	454.7	491.7	504.0	501.8	473.2	432.9	383.0	383.2	486.0	504.0
	2034	488.1	431.7	387.0	403.3	456.5	493.6	506.0	503.8	475.1	434.6	384.5	384.7	488.1	506.0
	2035	490.1	433.5	388.4	404.8	458.3	495.5	508.0	505.7	476.9	422.8	374.5	372.5	490.1	508.0
	2036	475.5	420.0	377.0	393.2	445.3	481.3	493.6	490.8	463.2	424.4	375.8	373.8	475.5	493.6
	2037	477.5	421.7	378.3	394.6	446.9	483.1	495.5	492.6	464.9	407.4	362.0	358.1	477.5	495.5

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%
	2016	54.3%	54.1%	62.6%	59.8%	72.3%	65.6%	72.4%	69.5%	68.6%	62.4%	63.5%	67.0%	62.8%	54.8%
	2017	55.7%	67.4%	59.3%	60.4%	70.6%	65.0%	71.5%	69.0%	58.4%	63.6%	61.8%	66.3%	64.9%	55.0%
Projected	2018	49.5%	55.2%	61.3%	64.9%	71.0%	64.6%	69.0%	67.5%	66.0%	65.6%	63.9%	66.8%	58.1%	56.0%
	2019	49.9%	55.5%	61.3%	64.9%	70.9%	64.6%	68.9%	67.3%	65.9%	65.6%	64.0%	66.9%	58.1%	56.0%
	2020	50.0%	53.6%	61.2%	64.8%	70.8%	64.5%	68.8%	67.3%	65.9%	65.5%	64.0%	66.8%	58.1%	55.9%
	2021	50.0%	55.5%	61.3%	64.9%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.9%	66.8%	58.1%	55.9%
	2022	49.9%	55.4%	61.3%	64.9%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.9%	66.8%	58.1%	55.9%
	2023	49.9%	55.4%	61.3%	64.9%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.8%	66.8%	58.1%	55.9%
	2024	49.9%	53.5%	61.3%	64.8%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.8%	66.8%	58.1%	55.9%
	2025	49.9%	55.4%	61.3%	64.8%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.8%	66.8%	58.0%	55.9%
	2026	49.9%	55.4%	61.3%	64.8%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.8%	66.8%	58.0%	55.9%
	2027	49.9%	55.4%	61.3%	64.8%	70.8%	64.5%	68.9%	67.3%	65.9%	65.3%	63.8%	66.8%	58.0%	55.8%
Avg.	2008-2017	55.4%	57.8%	62.4%	62.7%	72.8%	64.9%	70.9%	68.9%	66.8%	64.0%	60.4%	65.7%	59.2%	56.0%
	2018-2027	49.9%	55.0%	61.3%	64.9%	70.8%	64.5%	68.9%	67.3%	65.9%	65.4%	63.9%	66.8%	58.1%	55.9%

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)

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5/31/2018

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	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	365.9	333.5	328.8	390.9	484.9
	2017	306.6	323.4	344.6	406.6	447.4	440.6	461.4	467.3	446.0	396.8	327.7	313.5	344.6	467.3
Projected	2018	400.3	362.9	328.3	353.0	404.5	434.6	447.0	448.1	415.7	385.6	323.8	317.0	400.3	448.1
	2019	404.8	367.1	331.9	356.9	409.0	439.4	452.0	453.1	420.3	389.8	326.9	319.9	404.8	453.1
	2020	406.0	368.0	332.6	357.9	410.4	441.0	453.7	454.7	421.7	391.0	327.2	319.9	406.0	454.7
	2021	408.4	370.2	334.5	360.0	412.8	443.6	456.4	457.5	424.3	393.4	329.2	321.6	408.4	457.5
	2022	410.6	372.2	336.2	361.8	414.9	445.9	458.7	459.8	426.4	395.3	331.0	323.3	410.6	459.8
	2023	412.9	374.3	337.9	363.7	417.1	448.2	461.2	462.2	428.6	397.4	332.8	325.1	412.9	462.2
	2024	415.2	376.4	339.6	365.5	419.2	450.5	463.6	464.6	430.8	399.4	334.4	326.7	415.2	464.6
	2025	417.4	378.4	341.3	367.3	421.3	452.7	466.0	466.9	433.0	401.3	336.0	328.4	417.4	466.9
	2026	419.6	380.3	342.8	369.0	423.3	454.9	468.2	469.2	435.0	403.2	337.5	329.9	419.6	469.2
	2027	421.6	382.2	344.3	370.6	425.2	456.9	470.3	471.3	437.0	405.0	339.0	331.4	421.6	471.3
Projected	2028	423.7	384.0	345.8	372.2	427.0	458.9	472.4	473.4	438.9	406.7	340.4	332.9	423.7	473.4
	2029	425.7	385.8	347.3	373.8	428.9	460.9	474.5	475.4	440.8	408.4	341.8	334.3	425.7	475.4
	2030	427.6	387.6	348.7	375.3	430.7	462.8	476.6	477.5	442.6	410.1	343.2	335.8	427.6	477.5
	2031	429.6	389.4	350.1	376.9	432.5	464.8	478.6	479.5	444.5	411.8	344.7	337.3	429.6	479.5
	2032	431.6	391.2	351.5	378.4	434.3	466.7	480.6	481.5	446.3	413.5	346.0	338.6	431.6	481.5
	2033	433.5	392.9	352.9	379.9	436.0	468.6	482.6	483.4	448.1	415.1	347.4	340.1	433.5	483.4
	2034	435.4	394.6	354.2	381.3	437.7	470.4	484.6	485.3	449.9	416.7	348.7	341.4	435.4	485.3
	2035	437.3	396.3	355.5	382.7	439.4	472.2	486.5	487.2	451.6	405.9	339.0	330.2	437.3	487.2
	2036	423.1	382.8	344.8	371.2	426.6	458.4	472.6	472.6	438.8	407.2	340.2	331.5	423.1	472.6
	2037	424.9	384.4	346.0	372.6	428.1	460.1	474.4	474.3	440.4	391.1	326.7	317.3	424.9	474.3

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	86.3%	96.8%	90.4%	89.3%	96.6%
	2017	74.6%	96.9%	88.7%	98.8%	98.0%	96.1%	96.1%	96.3%	96.7%	95.9%	90.7%	88.7%	83.8%	96.3%
Projected	2018	89.0%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.0%	96.0%
	2019	89.0%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.0%	96.0%
	2020	89.1%	91.2%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	96.0%
	2021	89.1%	91.2%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2022	89.1%	91.2%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2023	89.1%	91.2%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2024	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%
	2025	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2026	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2027	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.7%	89.1%	95.9%
	2008-2017	89.6%	90.7%	91.9%	94.5%	95.5%	95.3%	95.4%	96.0%	94.2%	95.3%	90.9%	89.2%	92.4%	96.1%
	2018-2027	89.1%	91.3%	91.5%	94.6%	95.9%	95.3%	95.7%	96.3%	94.7%	95.9%	90.7%	88.6%	89.1%	95.9%

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 2018 Load Forecast - Mild Weather Case
Duke Energy Florida Cities - Supplied
Historical and Projected Net Energy for Load and ARP Coincident Peak Demand

	Year	Net Energy for Load (FY) Actual (MWh)	Percent Change	Weather-normalized (MWh)	Percent Change	Percent Diff.	Winter Demand (prior Nov - current Mar) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.	Summer Demand (Apr-Oct) Actual (MW)	Percent Change	Weather-normalized (MW)	Percent Change	Percent Diff.
Historical	2008	1,960,379	-	1,972,519	-	0.6%	395.4	-	393.6	-	-0.4%	420.5	-	419.9		-0.1%
	2009	1,939,898	-1.0%	1,932,539	-2.0%	-0.4%	432.9	9.5%	417.7	6.1%	-3.5%	438.2	4.2%	439.9	4.8%	0.4%
	2010	1,994,053	2.8%	1,886,003	-2.4%	-5.4%	466.6	7.8%	413.0	-1.1%	-11.5%	415.8	-5.1%	404.2	-8.1%	-2.8%
	2011	1,930,773	-3.2%	1,846,253	-2.1%	-4.4%	416.1	-10.8%	415.5	0.6%	-0.1%	407.5	-2.0%	379.8	-6.0%	-6.8%
	2012	1,820,328	-5.7%	1,826,198	-1.1%	0.3%	381.2	-8.4%	372.1	-10.4%	-2.4%	373.5	-8.3%	425.8	12.1%	14.0%
	2013	1,827,744	0.4%	1,826,441	0.0%	-0.1%	342.2	-10.2%	355.4	-4.5%	3.9%	391.2	4.7%	405.3	-4.8%	3.6%
	2014	1,853,952	1.4%	1,842,213	0.9%	-0.6%	371.1	8.5%	403.5	13.5%	8.7%	406.2	3.8%	411.9	1.6%	1.4%
	2015	1,902,497	2.6%	1,850,531	0.5%	-2.7%	407.6	9.8%	408.4	1.2%	0.2%	419.6	3.3%	442.9	7.5%	5.5%
	2016	1,959,340	3.0%	1,892,924	2.3%	-3.4%	343.2	-15.8%	401.5	-1.7%	17.0%	429.1	2.3%	423.0	-4.5%	-1.4%
	2017	1,906,152	-2.7%	1,906,705	0.7%	0.0%	308.4	-10.1%	362.9	-9.6%	17.7%	423.7	-1.2%	458.6	8.4%	8.2%
Projected	2018	1,898,555	-0.4%	1,898,555	-0.4%		393.9	27.7%	393.9	8.5%		414.9	-2.1%	414.9	-9.5%	
	2019			1,928,588	1.6%				400.2	1.6%				421.5	1.6%	
	2020			1,975,633	2.4%				410.8	2.7%				431.6	2.4%	
	2021			1,996,396	1.1%				415.1	1.0%				436.2	1.0%	
	2022			2,018,032	1.1%				419.6	1.1%				440.9	1.1%	
	2023			2,039,965	1.1%				424.2	1.1%				445.7	1.1%	
	2024			2,063,310	1.1%				429.0	1.1%				450.8	1.1%	
	2025			2,083,729	1.0%				433.2	1.0%				455.2	1.0%	
	2026			2,104,918	1.0%				437.5	1.0%				459.8	1.0%	
	2027			2,125,192	1.0%				441.7	1.0%				464.2	1.0%	
	2028			2,146,270	1.0%				446.0	1.0%				468.8	1.0%	
	2029			2,164,165	0.8%				449.7	0.8%				472.7	0.8%	
	2030			2,183,071	0.9%				453.6	0.9%				476.8	0.9%	
	2031			2,207,527	1.1%				459.5	1.3%				483.0	1.3%	
	2032			2,244,787	1.7%				467.2	1.7%				491.2	1.7%	
	2033			2,275,226	1.4%				473.0	1.2%				497.3	1.2%	
	2034			2,297,247	1.0%				477.2	0.9%				501.7	0.9%	
	2035			2,314,271	0.7%				480.7	0.7%				505.4	0.7%	
	2036			2,332,443	0.8%				484.4	0.8%				509.4	0.8%	
	2037			2,347,269	0.6%				487.5	0.6%				512.6	0.6%	
CAGR [3]	2008-2017		-0.3%		-0.4%			-2.7%		-0.9%			0.1%		1.0%	
	2018-2027				1.3%					1.3%					1.3%	
	2028-2037				1.0%					1.0%					1.0%	

[1] Historical data may have been impacted by the local dispatch of load management and distributed generation resources.
[2] The weather-normalized coincident peak demands 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)
The ARP is assumed to serve Ft. Meade's full requirements in all periods.
GCS is assumed to take service on the basis of a CROD of 24.51 MW beginning Jan-20

C:\Users\Matt Eckhart\SharePoint\FMPA - TO24 2018 ARP Load Forecast\Analytical\Forecast Files\FMPA 2018 Forecast_20180530 Mild

5/31/2018

FMPA 2018 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	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	155,850	130,461	137,293	1,947,454	1,959,340
	2017	140,708	121,154	139,794	150,435	177,246	177,339	195,874	204,966	175,032	155,928	138,708	145,967	1,923,152	1,906,152
Projected	2018	142,703	126,822	141,303	147,484	169,948	181,237	185,750	193,547	169,157	155,248	142,272	148,543	1,904,014	1,898,555
	2019	145,460	129,379	143,300	150,451	173,004	183,975	188,840	196,666	171,450	159,327	145,883	151,993	1,939,727	1,928,588
	2020	149,377	133,926	146,832	154,072	176,829	187,971	193,048	201,078	175,297	161,162	147,534	153,701	1,980,827	1,975,633
	2021	151,081	134,139	148,475	155,823	178,785	190,054	195,180	203,270	177,192	162,916	149,147	155,382	2,001,444	1,996,396
	2022	152,714	135,591	150,085	157,527	180,720	192,109	197,278	205,460	179,103	164,681	150,777	157,075	2,023,120	2,018,032
	2023	154,361	137,066	151,721	159,254	182,693	194,197	199,410	207,686	181,044	166,471	152,428	158,786	2,045,118	2,039,965
	2024	156,023	139,879	153,365	160,987	184,671	196,283	201,539	209,905	182,973	168,248	154,063	160,478	2,068,413	2,063,310
	2025	157,665	140,021	154,987	162,696	186,621	198,342	203,638	212,093	184,877	170,002	155,676	162,147	2,088,766	2,083,729
	2026	159,284	141,461	156,574	164,361	188,516	200,334	205,664	214,196	186,702	171,677	157,213	163,731	2,109,714	2,104,918
	2027	160,821	142,833	158,088	165,953	190,331	202,246	207,612	216,223	188,464	173,297	158,701	165,269	2,129,839	2,125,192
Projected	2028	162,315	145,543	159,558	167,500	192,095	204,106	209,508	218,197	190,181	174,877	160,153	166,771	2,150,803	2,146,270
	2029	163,776	145,468	160,996	169,014	193,823	205,928	211,364	220,131	191,864	176,427	161,579	168,245	2,168,615	2,164,165
	2030	165,209	146,747	162,409	170,500	195,518	207,714	213,184	222,026	193,513	177,945	162,975	169,688	2,187,429	2,183,071
	2031	166,719	148,196	164,119	172,423	197,836	210,299	215,965	225,080	196,283	180,628	165,605	172,573	2,215,723	2,207,527
	2032	169,470	152,080	166,829	175,288	201,069	213,712	219,437	228,699	199,399	183,495	168,275	175,358	2,253,109	2,244,787
	2033	172,066	152,923	169,263	177,791	203,826	216,580	222,280	231,570	201,799	185,608	170,131	177,238	2,281,075	2,275,226
	2034	173,872	154,469	170,921	179,493	205,719	218,557	224,237	233,543	203,457	187,082	171,444	178,551	2,301,346	2,297,247
	2035	175,144	155,608	172,182	180,824	207,237	220,153	225,865	235,243	204,937	188,450	172,709	179,859	2,318,211	2,314,271
	2036	176,410	158,206	173,434	182,141	208,737	221,728	227,468	236,912	206,389	189,789	173,942	181,131	2,336,287	2,332,443
	2037	177,643	157,844	174,652	183,425	210,199	223,265	229,032	238,542	207,807	191,094	175,143	182,370	2,351,015	2,347,269

Monthly NEL Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Historical	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	7.7%	6.9%	7.1%	7.3%	8.7%	10.0%	10.7%	10.3%	9.4%	8.0%	6.7%	7.0%	100.0%
	2017	7.3%	6.3%	7.3%	7.8%	9.2%	9.2%	10.2%	10.7%	9.1%	8.1%	7.2%	7.6%	100.0%
Projected	2018	7.5%	6.7%	7.4%	7.7%	8.9%	9.5%	9.8%	10.2%	8.9%	8.2%	7.5%	7.8%	100.0%
	2019	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.7%	10.1%	8.8%	8.2%	7.5%	7.8%	100.0%
	2020	7.5%	6.8%	7.4%	7.8%	8.9%	9.5%	9.7%	10.2%	8.8%	8.1%	7.4%	7.8%	100.0%
	2021	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.8%	10.2%	8.9%	8.1%	7.5%	7.8%	100.0%
	2022	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.8%	10.2%	8.9%	8.1%	7.5%	7.8%	100.0%
	2023	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.8%	10.2%	8.9%	8.1%	7.5%	7.8%	100.0%
	2024	7.5%	6.8%	7.4%	7.8%	8.9%	9.5%	9.7%	10.1%	8.8%	8.1%	7.4%	7.8%	100.0%
	2025	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.7%	10.2%	8.9%	8.1%	7.5%	7.8%	100.0%
	2026	7.6%	6.7%	7.4%	7.8%	8.9%	9.5%	9.7%	10.2%	8.8%	8.1%	7.5%	7.8%	100.0%
	2027	7.6%	6.7%	7.4%	7.8%	8.9%	9.5%	9.7%	10.2%	8.8%	8.1%	7.5%	7.8%	100.0%
Avg.	2008-2017	7.9%	6.9%	7.2%	7.5%	8.9%	9.6%	10.0%	10.2%	9.2%	8.0%	6.9%	7.5%	100.0%
	2018-2027	7.5%	6.7%	7.4%	7.8%	8.9%	9.5%	9.7%	10.2%	8.9%	8.1%	7.5%	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 2018 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	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	344.9	288.0	279.3	379.5	435.7
	2017	345.1	284.4	313.0	380.9	398.2	409.9	419.4	429.8	401.5	359.9	287.7	286.8	345.1	429.8
Projected	2018	396.2	362.1	317.1	324.9	375.6	410.6	402.5	420.7	389.9	352.5	292.3	291.4	396.2	420.7
	2019	402.5	368.0	322.2	330.1	381.6	417.2	409.0	427.4	396.2	358.1	299.6	299.4	402.5	427.4
	2020	413.2	377.6	330.1	338.5	391.1	427.4	419.0	438.1	406.3	367.2	302.7	302.5	413.2	438.1
	2021	417.5	381.5	333.6	342.0	395.1	431.9	423.3	442.6	410.5	371.0	306.0	305.7	417.5	442.6
	2022	422.0	385.6	337.2	345.7	399.4	436.5	427.9	447.4	414.9	375.0	309.3	309.1	422.0	447.4
	2023	426.6	389.8	340.9	349.5	403.7	441.3	432.6	452.3	419.4	379.1	312.8	312.6	426.6	452.3
	2024	431.4	394.3	344.7	353.4	408.3	446.3	437.5	457.4	424.2	383.4	315.9	315.6	431.4	457.4
	2025	435.6	398.1	348.1	356.9	412.4	450.7	441.8	461.9	428.4	387.1	319.1	318.8	435.6	461.9
	2026	440.0	402.1	351.6	360.5	416.5	455.2	446.2	466.6	432.7	391.0	322.1	321.8	440.0	466.6
	2027	444.2	406.0	355.0	363.9	420.5	459.6	450.5	471.0	436.8	394.8	325.3	325.0	444.2	471.0
Projected	2028	448.5	410.0	358.5	367.5	424.6	464.1	454.9	475.7	441.1	398.6	328.0	327.7	448.5	475.7
	2029	452.3	413.4	361.5	370.6	428.1	467.9	458.7	479.6	444.8	401.9	330.8	330.5	452.3	479.6
	2030	456.2	416.9	364.6	373.8	431.8	472.0	462.7	483.8	448.6	405.4	335.1	334.7	456.2	483.8
	2031	462.1	422.3	369.3	378.6	437.4	478.1	468.6	490.0	454.4	410.7	340.8	340.3	462.1	490.0
	2032	469.8	429.4	375.5	385.0	444.8	486.2	476.6	498.3	462.1	417.6	345.1	344.4	469.8	498.3
	2033	475.6	434.7	380.2	389.7	450.3	492.2	482.5	504.5	467.8	422.7	348.2	347.5	475.6	504.5
	2034	479.8	438.6	383.6	393.2	454.3	496.8	486.8	509.0	471.9	426.5	350.7	350.0	479.8	509.0
	2035	483.3	441.8	386.4	396.1	457.6	500.2	490.3	512.7	475.4	429.6	353.4	352.7	483.3	512.7
	2036	487.1	445.2	389.4	399.2	461.2	504.1	494.2	516.7	479.1	433.0	355.7	355.0	487.1	516.7
	2037	490.2	448.0	391.9	401.7	464.1	507.3	497.3	519.9	482.1	435.7	358.1	357.3	490.2	519.9

Monthly Load Factors

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	60.7%	60.9%	68.3%	58.6%	51.0%
	2017	54.8%	63.4%	60.0%	53.1%	66.2%	58.1%	64.9%	64.1%	60.5%	58.2%	64.8%	70.7%	63.6%	51.1%
Projected	2018	48.4%	52.1%	59.9%	61.0%	67.3%	59.3%	64.1%	61.8%	60.3%	59.2%	65.4%	70.8%	54.9%	51.7%
	2019	48.6%	52.3%	59.8%	61.3%	67.5%	59.3%	64.1%	61.8%	60.1%	59.8%	65.5%	70.5%	55.0%	51.8%
	2020	48.6%	51.0%	59.8%	61.2%	67.3%	59.1%	64.0%	61.7%	59.9%	59.0%	65.5%	70.6%	54.7%	51.6%
	2021	48.6%	52.3%	59.8%	61.2%	67.3%	59.1%	64.0%	61.7%	60.0%	59.0%	65.5%	70.6%	54.7%	51.6%
	2022	48.6%	52.3%	59.8%	61.2%	67.3%	59.1%	64.0%	61.7%	60.0%	59.0%	65.5%	70.6%	54.7%	51.6%
	2023	48.6%	52.3%	59.8%	61.3%	67.3%	59.1%	64.0%	61.7%	60.0%	59.0%	65.5%	70.6%	54.7%	51.6%
	2024	48.6%	51.0%	59.8%	61.2%	67.3%	59.1%	64.0%	61.7%	59.9%	59.0%	65.5%	70.6%	54.7%	51.6%
	2025	48.6%	52.3%	59.8%	61.3%	67.3%	59.1%	64.0%	61.7%	59.9%	59.0%	65.6%	70.6%	54.7%	51.6%
	2026	48.7%	52.3%	59.8%	61.3%	67.4%	59.1%	64.0%	61.7%	59.9%	59.0%	65.6%	70.7%	54.7%	51.6%
	2027	48.7%	52.4%	59.9%	61.3%	67.4%	59.2%	64.0%	61.7%	59.9%	59.0%	65.6%	70.6%	54.7%	51.6%
Avg.	2008-2017	53.8%	54.7%	61.4%	58.6%	67.6%	59.6%	65.2%	62.9%	62.8%	59.3%	60.5%	65.4%	55.2%	51.8%
	2018-2027	48.6%	52.0%	59.8%	61.2%	67.3%	59.2%	64.0%	61.7%	60.0%	59.1%	65.5%	70.6%	54.8%	51.6%

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)

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	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	325.0	285.2	268.6	343.2	429.1
	2017	341.0	280.6	308.4	380.2	386.8	405.7	414.7	423.7	379.4	354.1	283.1	276.2	308.4	423.7
Projected	2018	393.9	360.8	301.9	322.0	367.1	402.9	394.7	414.9	378.1	346.8	287.6	280.7	393.9	414.9
	2019	400.2	366.6	306.7	327.1	373.1	409.3	401.0	421.5	384.2	352.4	294.8	287.8	400.2	421.5
	2020	410.8	376.2	314.0	335.1	382.1	419.2	410.6	431.6	393.8	361.3	297.9	290.7	410.8	431.6
	2021	415.1	380.1	317.3	338.6	386.0	423.6	414.9	436.2	397.9	365.0	301.1	293.9	415.1	436.2
	2022	419.6	384.2	320.7	342.3	390.2	428.2	419.4	440.9	402.2	369.0	304.4	297.1	419.6	440.9
	2023	424.2	388.4	324.2	346.0	394.5	432.8	423.9	445.7	406.6	373.0	307.8	300.5	424.2	445.7
	2024	429.0	392.8	327.9	349.9	399.0	437.8	428.8	450.8	411.2	377.2	310.9	303.4	429.0	450.8
	2025	433.2	396.6	331.1	353.4	402.9	442.1	433.0	455.2	415.3	380.9	314.0	306.4	433.2	455.2
	2026	437.5	400.6	334.4	356.9	406.9	446.5	437.3	459.8	419.4	384.8	317.0	309.4	437.5	459.8
	2027	441.7	404.4	337.6	360.3	410.8	450.8	441.5	464.2	423.4	388.4	320.1	312.4	441.7	464.2
Projected	2028	446.0	408.4	341.0	363.9	414.9	455.2	445.8	468.8	427.6	392.3	322.8	315.0	446.0	468.8
	2029	449.7	411.8	343.8	366.9	418.3	459.0	449.5	472.7	431.1	395.5	325.6	317.7	449.7	472.7
	2030	453.6	415.4	346.8	370.1	421.9	463.0	453.4	476.8	434.9	398.9	329.8	321.8	453.6	476.8
	2031	459.5	420.7	351.3	374.9	427.4	469.0	459.3	483.0	440.5	404.1	335.5	327.2	459.5	483.0
	2032	467.2	427.8	357.2	381.2	434.6	476.9	467.1	491.2	447.9	410.9	339.7	331.2	467.2	491.2
	2033	473.0	433.1	361.6	385.9	440.0	482.9	472.9	497.3	453.5	416.0	342.7	334.1	473.0	497.3
	2034	477.2	437.0	364.9	389.3	443.9	487.2	477.1	501.7	457.5	419.7	345.2	336.6	477.2	501.7
	2035	480.7	440.2	367.5	392.5	447.1	490.8	480.6	505.4	460.8	422.8	347.9	339.2	480.7	505.4
	2036	484.4	443.6	370.4	395.2	450.6	494.6	484.3	509.4	464.4	426.1	350.1	341.3	484.4	509.4
	2037	487.5	446.4	372.7	397.7	453.5	497.7	487.4	512.6	467.4	428.7	352.5	343.6	487.5	512.6

Monthly Coincidence Factors

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Wntr Pk	Sumr Pk
Historical	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%	94.2%	99.0%	96.2%	90.4%	98.5%
	2017	98.8%	98.7%	98.5%	99.8%	97.1%	99.0%	98.9%	98.6%	94.5%	98.4%	98.4%	96.3%	89.4%	98.6%
Projected	2018	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.3%	99.4%	98.6%
	2019	99.4%	99.6%	95.2%	99.1%	97.8%	98.1%	98.0%	98.6%	97.0%	98.4%	98.4%	96.1%	99.4%	98.6%
	2020	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2021	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2022	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2023	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2024	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2025	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.5%	96.9%	98.4%	98.4%	96.1%	99.4%	98.5%
	2026	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%
	2008-2017	99.3%	99.3%	95.6%	97.7%	97.1%	98.0%	97.4%	98.4%	97.5%	97.8%	93.4%	96.2%	97.1%	98.1%
	2018-2027	99.4%	99.6%	95.1%	99.0%	97.7%	98.1%	98.0%	98.6%	96.9%	98.4%	98.4%	96.1%	99.4%	98.6%

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)

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Appendix G
EXPLANATORY VARIABLES BY ARP PARTICIPANT

FMPA 2018 Load Forecast

Retail Electricity Sales Forecast Equations - Explanatory Variables[1,2,3]

| Participant | Residential | | GS Non-Demand | GS Demand | Large Demand |
	Customers	Usage	Sales	Sales	Sales
Bushnell	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), hurricane binary, seasonal binaries, negative step variable (2012)	Adjusted personal income w/ bifurcated study period, Negative step variables (2006, 2011, 2013), CDD, CDD(-1), HDD(-1), Seasonal binaries		
Clewiston	Variable seasonal base, Households, Positive step variables (2014, 2017), Binary variables 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	Employment, CDD, CDD(-1), Multiple step variables (migration-related), Binary variables for data anomalies (incl'd hurricane event), seasonal binaries	**US Sugar:** assumed constant at recent load levels
Fort Meade	Variable seasonal base, Households, Variables for select data anomalies	Adjusted personal income per household, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variables (2007, 2009), Binaries to address anomalies	Adjusted personal income, CDD, CDD(-1), HDD Seasonal binaries, Hurricane binary, Positive step variable (2009), Negative step variable (2017)		
Fort Pierce	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)		
Green Cove Springs	Households, FL mortgage originations, home vacancy rate, Binary variables for select data anomalies	Adjusted personal income per HH, Electricity price, NG 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)	No customers are currently served in this class. The equivalent of one customer is assumed added every eight (8) years beginning FY 2020, based on the average historical usage.
Havana	Households	Adjusted personal income per HH, Electricity price, HDD, CDD, HDD(-1), CDD(-1), Seasonal binaries, Negative step variables (2012, 2015)	Adjusted personal income, Electricity price, CDD, CDD(-1), HDD(-1), Variable for hurricane and other data anomalies, Negative step variable (2016)		
Jacksonville Beach	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 anomalies	Personal income (Reciprocal functional form), CDD, HDD(-1), CDD(-1), Variables for select data anomalies, Negative step variables (2007, 2008, 2012, 2016)	Personal income (bifurcated study period), CDD(-1), Seasonal binaries, Variables for select data anomalies, Negative step variable (2012)	

FMPA 2018 Load Forecast

Retail Electricity Sales Forecast Equations - Explanatory Variables[1,2,3]

Participant	Residential		GS Non-Demand	GS Demand	Large Demand
	Customers	Usage	Sales	Sales	Sales
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)		**Navy Base**: CDD, CDD(-1), HDD(-1), assumed to decline slightly over time to approximately 12% lower by 2037 (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)	4		
Newberry	Households, Positive trend variable, Positive step variables (to address additional growth / annexation)	Adjusted personal income per HH, 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, 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	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.