

Nova Scotia Energy Board

IN THE MATTER OF *The Public Utilities Act*, R.S.N.S. 1989, c.380, as amended

2026 Load Forecast

NS Power
Annual Report

May 15, 2026

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Appendix A: 2026 NS Power Forecast

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Appendix C: Forecast Comparison (Partially Confidential)

Appendix D: Forecast Sensitivity (Partially Confidential)

Appendix E: Stakeholder Presentation

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1 **1. EXECUTIVE SUMMARY**

2
3 In accordance with the Nova Scotia Wholesale Electricity and Renewable to Retail Market Rules,
4 Nova Scotia Power Incorporated (NS Power, the Company) is required to provide the Nova Scotia
5 Energy Board (NSEB, Board) with its 10-year energy and demand forecast by the end of April
6 each year for the 10-year period beginning in the following January (Load Forecast).

7
8 The Independent Electrical System Operator Nova Scotia (IESO-NS) was established following
9 proclamation of the *Energy Reform (2024) Act* (Bill 404). The *More Access to Energy Act* (SNS
10 2024, c 2, Sch B.) sets out that the objects of the IESO-NS include, among other things, to “forecast
11 electricity demand and the adequacy and reliability of electricity resources for the Province for the
12 short, medium and long terms.” As the transition of responsibilities to the IESO-NS progresses,
13 the Company will continue to work with the IESO-NS to develop an approach for future
14 submissions of the Load Forecast Report.

15
16 The 2026 Load Forecast provides an outlook on the energy and peak demand requirements of in-
17 province customers for the period 2026 to 2036. In addition, it describes the considerations,
18 assumptions, and methodology used in the preparation of the forecast. The Load Forecast provides
19 the basis for the planning and overall operating activities to serve customer load.

20
21 The Load Forecast is based on analyses of sales history, weather, end-use saturations and
22 efficiencies, economic indicators, customer surveys, technological and demographic changes in
23 the market, and the availability of other energy sources.

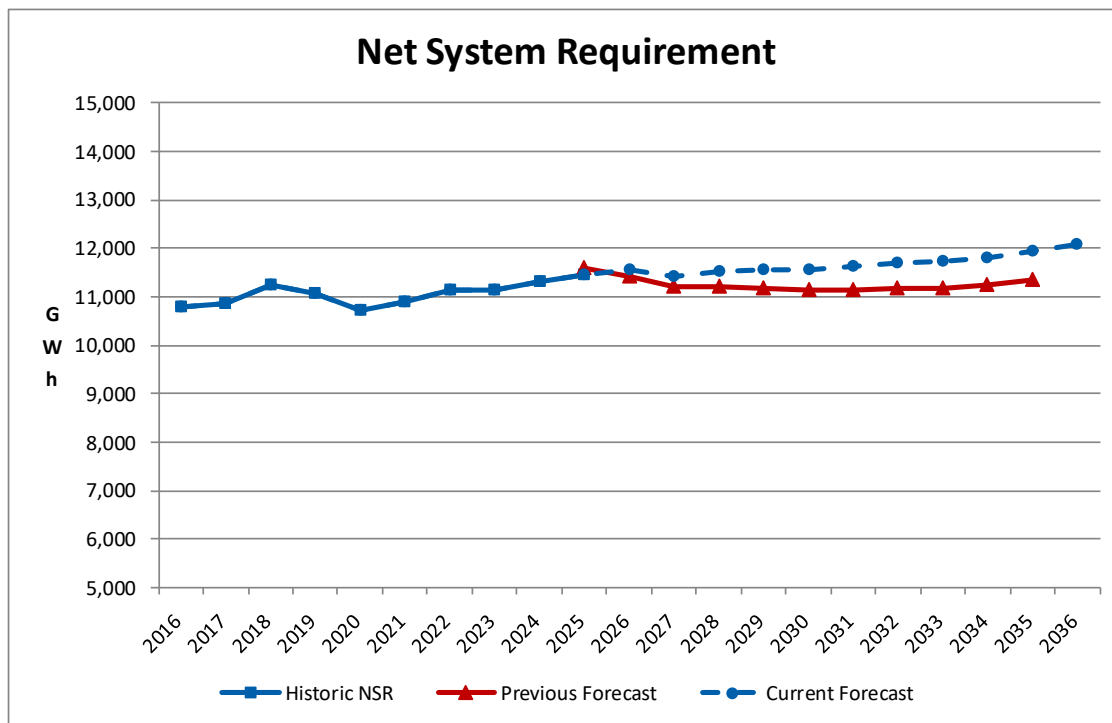
24
25 As with any forecast, there is a degree of uncertainty around actual future outcomes. In electricity
26 forecasting, much of this uncertainty is due to the impact of variations in weather, energy
27 efficiency program activities, the health of the economy, government policy, the impact of
28 electrification, changes in large customer loads, the number of electric appliances and end-use
29 equipment installed, and changes in technology.

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NS Power continues to use and refine Statistically Adjusted End-Use (SAE) models to forecast load for the residential and commercial rate classes. The SAE models explicitly incorporate end-use energy intensity projections into the Load Forecast. End-use energy forecasts derived from the residential and commercial SAE models are then combined with an econometric-based industrial forecast and customer specific forecasts for NS Power's large customers to develop an energy forecast for the province, also referred to as the Net System Requirement (NSR).

Compared to the 2025 Load Forecast, the 2026 Load Forecast shows an increased net system requirement across the forecast period, due predominantly to decreased estimates for solar generation and increased estimates for Electric Vehicle (EV) penetration. From 2026 to 2036, the NSR is forecast to increase at an average of 0.4 percent per year, with growth forecast to be driven by new customers, space heating and EV sales, and with behind the meter solar generation, Demand Side Management (DSM) and Renewable to Retail (RTR) migration offsetting sales. Annual historic and forecast NSR are shown below in **Figure 1**.

Figure 1: Historical and Predicted Annual Net System Requirement



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In addition to annual energy requirements, NS Power forecasts system peak demand. Customer growth, electrification of heating and increased EV sales will increase the peak, while DSM and DR activities will reduce the peak. The forecast system peak for 2026 to 2036 increases by 1.1 percent annually on average. In the near term, the peak is approximately 3.1 percent higher than in the 2025 Load Forecast due to the model adjustments made in the 2026 Load Forecast to account for the highest recorded system peak, which occurred on January 25, 2026. The difference between the 2025 and 2026 peak forecasts decreases to approximately 2.2 percent by 2036. Annual historic and forecast system peaks are shown in **Figure 2**.

Figure 2: Historical and Predicted Annual System Peak

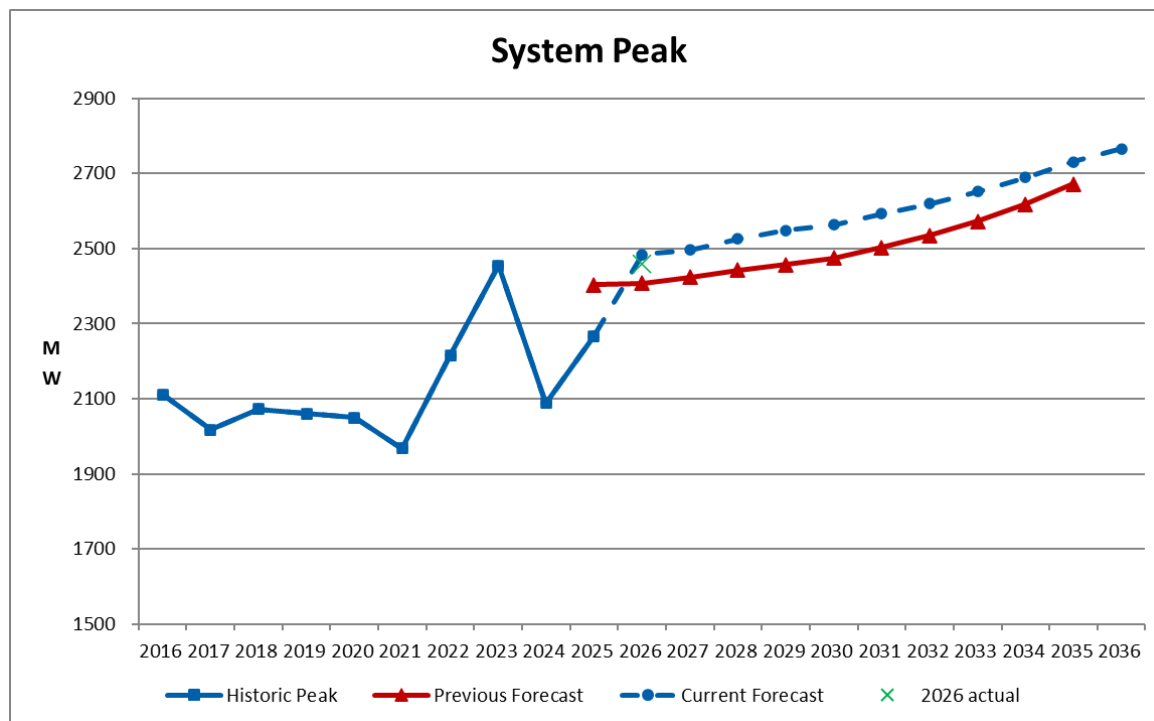


Figure 3 below shows the changes to system load and system peak over the historic and forecast periods.

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1 Figure 3: Historic and Forecast Net System Requirement and System Peak

Year	NSR (GWh)	Growth (%)	System Peak (MW)	Growth (%)
2016	10,809	-2.6	2,111	4.8
2017	10,873	0.6	2,018	-4.4
2018	11,250	3.5	2,073	2.7
2019	11,077	-1.5	2,060	-0.6
2020	10,723	-3.2	2,050	-0.5
2021	10,902	1.7	1,968	-4.0
2022	11,134	2.1	2,216	12.6
2023	11,131	0.0	2,455	10.8
2024	11,326	1.8	2,088	-14.9
2025	11,469	1.3	2,267	8.6
2026F	11,575	0.9	2,484	9.6
2027F	11,424	-1.3	2,497	0.5
2028F	11,525	0.9	2,526	1.2
2029F	11,556	0.3	2,549	0.9
2030F	11,568	0.1	2,563	0.6
2031F	11,621	0.5	2,593	1.2
2032F	11,689	0.6	2,620	1.0
2033F	11,722	0.3	2,652	1.2
2034F	11,815	0.8	2,689	1.4
2035F	11,939	1.0	2,730	1.5
2036F	12,097	1.3	2,765	1.3

2

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2. INTRODUCTION

NS Power develops an annual forecast of energy sales and peak demand requirements which is used to assess the effects of end-use and economic factors on the future power system load and load shape. The forecast is a foundational input to the overall planning, budgeting and operating activities of the Company. Produced in the winter of 2025-2026 and using information available at the time, this forecast covers the period of 2026-2036. Unless otherwise noted, reported average annual growth rates are for the 2026-2036 period.

In 2025, the Board initiated a paper hearing process to review the 2025 Load Forecast Report.¹ The Industrial Group (IG), EfficiencyOne (EOne), the Small Business Advocate (SBA), Energy Storage Canada (ESC), the Consumer Advocate (CA), Eastward Energy (EE) and Solar Nova Scotia (SNS) registered as intervenors. In addition, Board Counsel engaged Synapse Energy Economics (Synapse) to review and provide evidence on NS Power's 2025 Load Forecast.

Following NS Power's response to Information Requests (IRs), filing of evidence by intervenors and Board Counsel and Rebuttal Evidence by NS Power, the Board issued its Decision respecting NS Power's 2025 Load Forecast. The Board noted that "The Board finds that NS Power has taken steps to strengthen its forecasting model through targeted adjustments made in response to government policy changes that may either encourage or discourage electrification and the adoption of technologies affecting future load."² The Board further provided the following:

NS Power's rebuttal stated, "Each annual Load Forecast report reflects continuous improvement in methodologies and better explanation of the inputs and models as confirmed by Synapse." The Board agrees and finds that the intervenor's input has provided value to the model.

NS Power agreed with many of the recommendations made by the intervenors. The Board directs NS Power to implement those it has agreed to. NS Power is directed to continue to monitor if adjustments are needed in the forecast to account for housing completions and to report further findings from the continued investigation

¹ M12349, NSEB, Hearing Order, 2025 Load Forecast Report, July 3, 2025.

² M12349, NSEB, Board Decision, 2025 Load Forecast Report, December 19, 2025, page 7.

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into the unexplained variance between forecast sales and actual sales for the residential sector.

The Board finds that NS Power has taken steps to strengthen its forecasting model through targeted adjustments made in response to government policy changes that may either encourage or discourage electrification and the adoption of technologies affecting future load. The Board expects that these adjustments will be closely monitored in subsequent forecasts to ensure their continued accuracy and appropriateness.

NS Power is directed to continue comparing the Conference Board of Canada's economic forecast against those produced by Canada's five major banks. Additionally, NS Power is encouraged to compare the Conference Board of Canada's manufacturing employment projections against Statistics Canada Table 36-10-0480-01. While this dataset is subject to reporting lags, its figures are consistent with Nova Scotia's macroeconomic indicators and can assist in identifying firm-level productivity investments that may reduce employment without reducing—and potentially even increasing—energy demand. Incorporating this information will support more accurate comparisons between forecasted and actual values.³

In accordance with the Board's direction, NS Power revised and enhanced the 2026 Load Forecast in the following manner:

- New residential customer forecast has been adjusted based on historic comparison of the Signal49 Research's (Signal49)⁴ forecast to actual, and Signal49's forecast has been compared against those produced by Canada's five major banks. Please refer to **Section 4.4**.
- The impact of potential trade tariffs is not included in the economic forecast established by Signal49 Research; however, the magnitude of the potential impact of economics on the long-term forecast is illustrated in **Figure 75**. Please refer to **Section 11**.
- NS Power evaluated the housing completion forecasts from Signal49 and adjusted the 2026 forecast accordingly. Please refer to **Section 4.4**.

³ M12349, NSEB Board Decision 2025 Load Forecast Report, December 19, 2025, page 7.

⁴ Signal49 Research is the new name of The Conference Board of Canada (CBoC), effective January 26, 2026.

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-
- The economic data used in the medium industrial class, including evaluation of manufacturing employment, has been updated. Please refer to **Section 4.4**.
 - The impacts of hybrid heat pumps have been modelled and included in the underlying residential intensity calculations. The capability to model hybrid commercial heating is still under development and was not available for the 2026 Load Forecast. Please refer to **Section 4.5.2**.
 - A separate category has been added to the intensity calculations for heat pump water heaters. Please refer to **Section 4.5.3**.
 - Consistent with prior years, number of solar installs has been updated based on data for 2025. Please refer to **Section 4.5.5**.
 - NS Power has included an illustrative effort at class specific peak forecast and evaluated the results against the current peak forecast. Please refer to **Section 10.7**.

2.1 Summary of Stakeholder Consultations

On April 7, 2026, NS Power conducted a stakeholder session by videoconference with representatives of the NSEB, the CA, the SBA, the IG, E1 and the Independent Energy System Operator (IESO-NS). The agenda and presentation materials are included in **Appendix E**. The NS Power Load Forecast team discussed the following changes to the 2026 Load Forecast:

- Heat pump installations forecast update;
- EV peak and energy update;
- Small scale solar (residential and commercial net metering);
- Residential hybrid heating impacts;
- Heat pump water heater impacts;
- Renewable to retail impact;
- Variance of prior forecast to actuals; and
- Peak model updates.

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1 Following the stakeholder session, the 2026 Load Forecast was updated to reflect the Demand Side
2 Management and Demand Response figures provided in EfficiencyOne's 2027-2031 Plan
3 Application filed on March 31, 2026, and the rate changes for 2026 and 2027 which were provided
4 in NS Power's GRA April 7, 2026 Compliance Filing.
5

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3. FORECASTING APPROACH

NS Power continues to use a set of SAE models for the Residential⁵ and Commercial⁶ rate classes, an econometric model for the Small and Medium Industrial classes, and customer surveys and historical data for the Large Industrial⁷ customer classes.

The SAE model is a hybrid of the econometric and end-use methodologies, incorporating economic and end-use forecast variables into one model. An end-use model is a bottom-up approach that estimates the energy consumption of a customer group by summing the energy usage of all the appliances and equipment used by those customers. End-use forecasts are driven by trends in appliance usage and efficiency trends for that equipment. An econometric model describes the historical relationship between electricity consumption and independent economic indicators on provincial economic forecasts as a method to forecast future electricity sales.

The SAE model variables explicitly incorporate end-use saturation and efficiency projections, as well as changes in population, economic conditions, price, and weather. End-use efficiency projections include the expected impact of new standards and naturally occurring efficiency gains (efficiency improvements such as improvements in underlying technology that are not explicitly incentivized). In the long term, economics and structural changes both drive energy and demand growth. Structural changes are captured in the residential forecast model through the SAE model specifications. **Figure 4** shows the general forecast approach used in the SAE models.

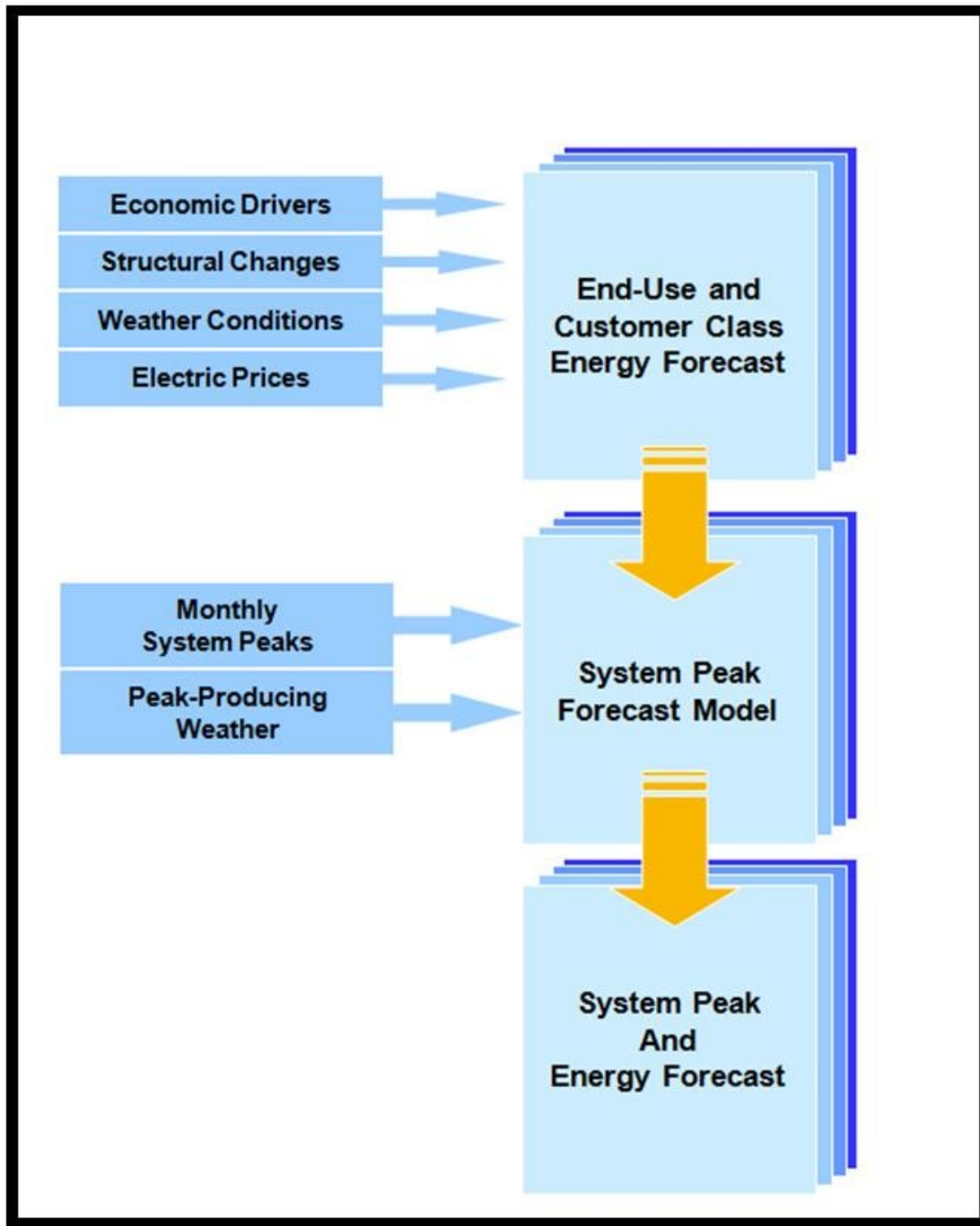
⁵ References to the Residential class include Domestic Service and Domestic Service Time-of-Day.

⁶ References to the Commercial class include Small General, General and Large General unless specified otherwise.

⁷ References to the Industrial class include the Small, Medium and Large Industrial classes unless specified otherwise.

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1 Figure 4: Forecast Approach



2

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1 **4. DISCUSSION OF MAJOR INPUTS**

2
3 **4.1 Historical Class Sales and Energy Data**

4
5 The Load Forecast is developed using NS Power’s “billed” sales rather than “accrued” sales.
6 Billed sales refer to the amount of energy billed to customers in a given period such as a calendar
7 month or year. Accrued sales recognize the amount of energy generated and consumed during that
8 specific time period. Due to the periodic nature and delays inherent in any meter reading and
9 billing process, billed sales vary from accrued sales on a monthly basis but are essentially the same
10 on an annual scale. Data from Advanced Metering Infrastructure (AMI) continues to be collected
11 and analyzed and will be used initially to improve estimates of accrued sales on a monthly basis.
12 The forecast will transition to using AMI-based accrued sales once a sufficient historic data set is
13 available.

14
15 Historical monthly billed sales are the primary dependent variables in the linear regression models
16 used in developing the forecast. For the 2026 Load Forecast, the forecasts for all sectors are
17 estimated using monthly billed sales data for the period January 2016 to December 2024. Measures
18 that were implemented for the 2026 Load Forecast to account for the impacts of the cyber incident
19 on 2025 data are discussed in **Section 4.2**.

20
21 For the peak demand forecast, historical system monthly energy and monthly demand data is
22 derived from system hourly load data for the period January 2016 to December 2025. Large
23 customer peak demand is forecast separately.
24

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4.2 2025 Data Modifications Due to the Cyber Incident

NS Power’s billing processes were impacted in 2025 by the cyber incident and estimated monthly billing was implemented for the residential, small general, general demand and municipal rate classes. As a result, 2025 billed monthly sales data for these classes was not used in the linear regression models for the 2026 Load Forecast. The 2025 monthly billed sales for these classes were estimated using 2025 actual total sales and the 2024 monthly billed sales shape. This approach ensures that the total energy matches the monthly patterns in energy usage and avoids introducing anomalous monthly features into the forecast models, which diminish their performance, while still reflecting actual year-over-year consumption changes.

A modification was also required for peak model inputs for 2025. The peak model is estimated based on monthly system peak data (derived from hourly system load data), minus the contribution from large customers since this is forecast separately (based on historical coincident load factors for each of the rate classes and then added to the accrued class forecast to obtain the total system peak). However, hourly load data for 2025 was not available for all large customers due to the cyber incident. As a result, the large customer peak contribution to 2025 monthly system peaks was estimated based on the preceding 10 years of data (2015 to 2024) using the following approach:

- For each monthly peak in 2015-2024, the non-PHP large customer load at peak hour was calculated. Hourly data for 2025 was available for PHP so the actuals were able to be removed from hourly system load consistent with the process used in previous years.
- The non-PHP large customer load at peak hour was averaged by month across the 10-year period.

The resulting estimated average monthly large customer coincident peak loads (excluding PHP) are provided in **Figure 5**.

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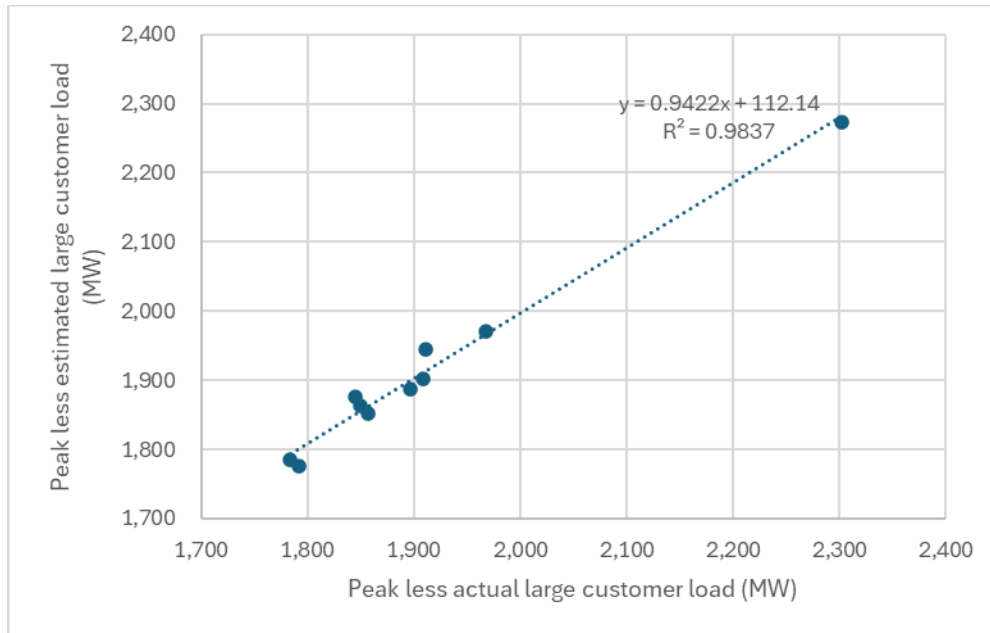
Figure 5: Estimated Large Customer Coincident Peak Load

Month	Average of large customer co-incident peak load, 2015-2024 (MW)
Jan	175
Feb	172
Mar	170
Apr	160
May	153
Jun	161
Jul	175
Aug	183
Sep	180
Oct	165
Nov	173
Dec	154

The actual peak loads used in the 2025 Load Forecast peak model (i.e., monthly peak system load minus large customer load from hourly data) are extremely well correlated ($R^2 = 0.98$) with peak loads calculated based on the estimated large customer loads above for the period 2015 – 2024 as set out in **Figure 6** below.

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Figure 6: Comparison of Peaks Using Actual and Estimated Large Customer Load



Additionally, the interruptible portion of the large customer load required estimation in order to calculate the firm peak (firm peak = system peak less interruptible load and DR). Using the method described above, interruptible load averaged 43.8 percent of large customer load during previous system peaks, so this factor is used for 2025 and 2026 firm peak calculations (see **Sections 10.2 and 10.1**).

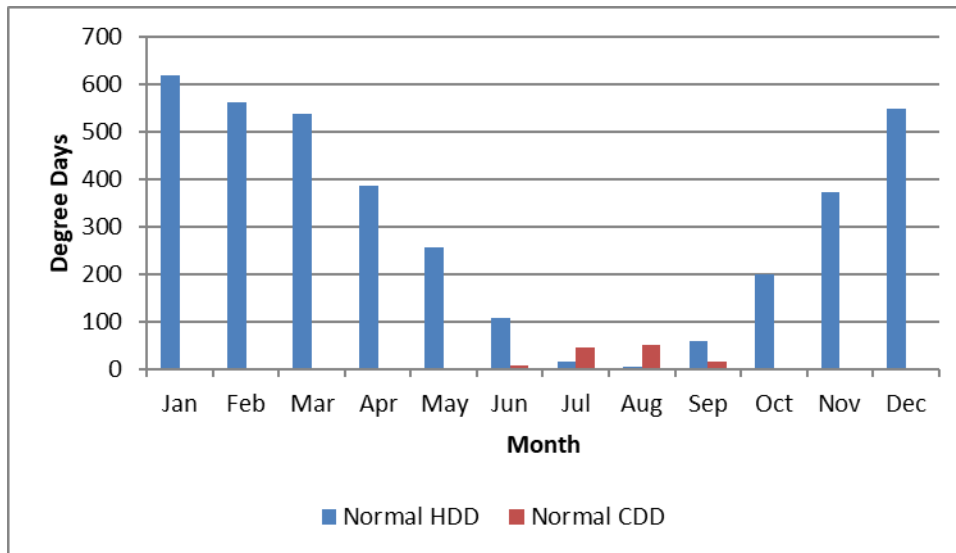
4.3 Weather Data

Weather conditions have the largest single impact on month-to-month variation in electric sales. The impact of temperature is captured by monthly Heating Degree Day (HDD) and Cooling Degree Day (CDD) variables. HDD are a common measure of heating requirement based on the degree difference between the daily mean temperature and a given reference temperature. The reference temperature of 18 degrees Celsius (°C) is used for these calculations. 18°C is assumed to be a comfortable room temperature below which space heating is generally required, and above which space cooling is also required. Monthly HDD and CDD are calculated from Environment Canada hourly temperature information for the Shearwater Airport. Normal monthly HDD and

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CDD, as shown in **Figure 7** below, are calculated using 10 years of actual weather data covering the period January 2016 to December 2025. The average temperature continues to show a warming trend: the 30-year average annual HDD is 3,830 while the 10-year average is 3,648.

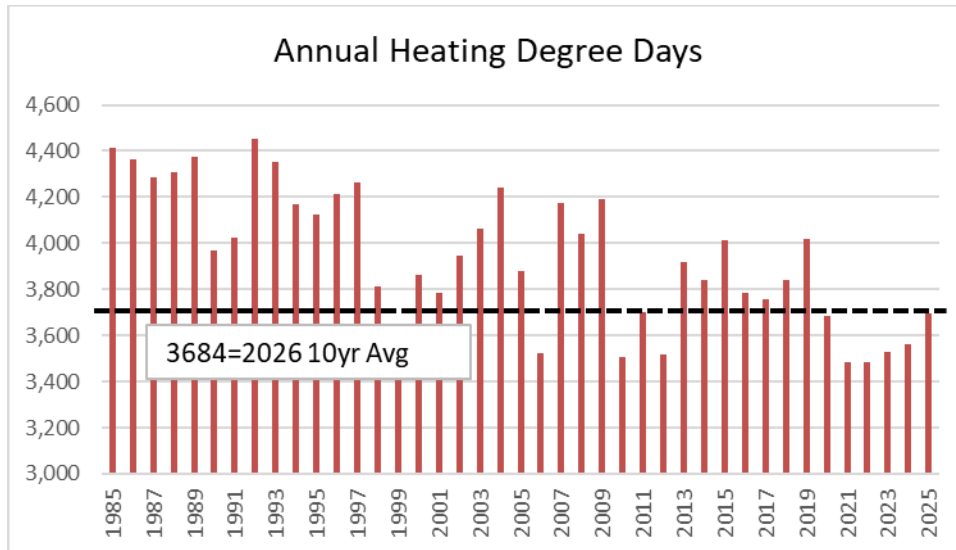
Figure 7: 10 Year Normal Monthly HDDs and CDDs



The annual number of HDD has generally been declining as a result of climate trends, as shown in **Figure 8**.

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Figure 8: Historic Annual HDD



To reflect the general warming trend as seen in the 30-year vs 10-year averages, a trend is applied to the annual HDD and CDD variables. These trends are based on regression analysis of 30 years of historic data using a 10-year moving average (to smooth the series), with HDD decreasing by approximately 15 HDD/year, and CDD increasing by approximately 1.4 CDD/year. See **Figure 9** below for HDD and

Figure 10 below for CDD.

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Figure 9: HDD Trend

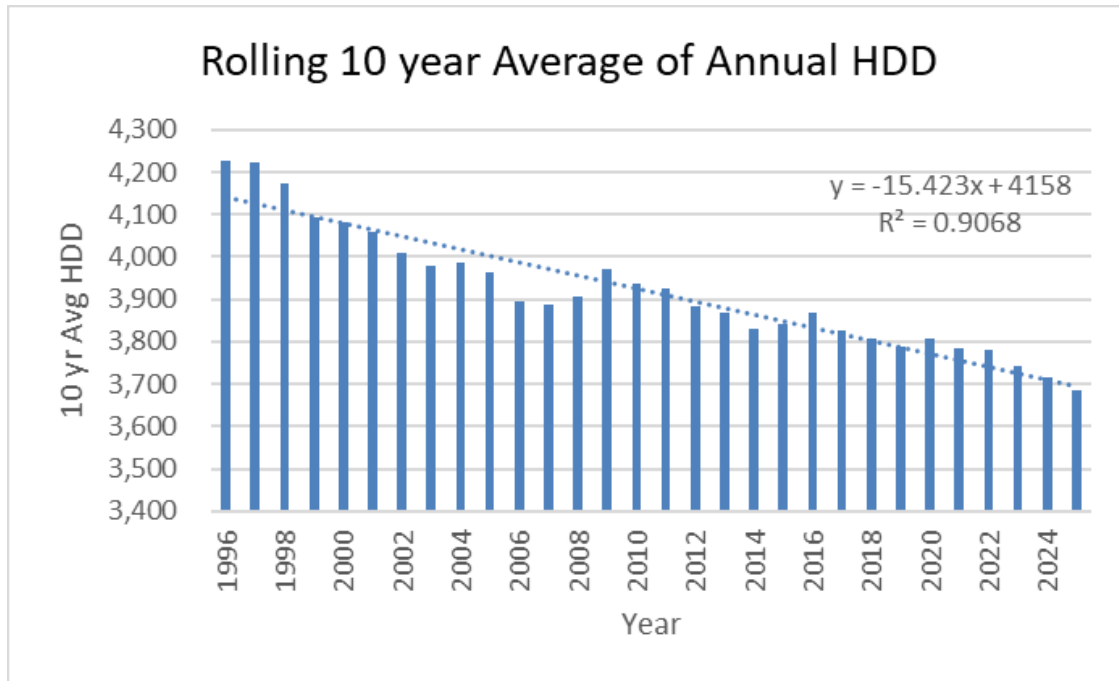
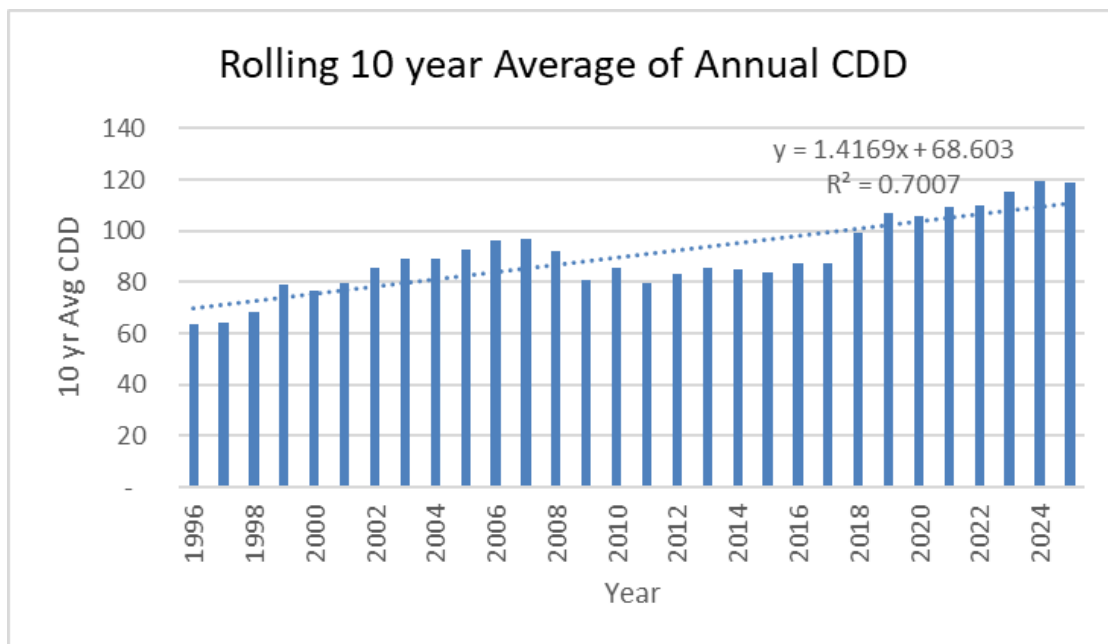


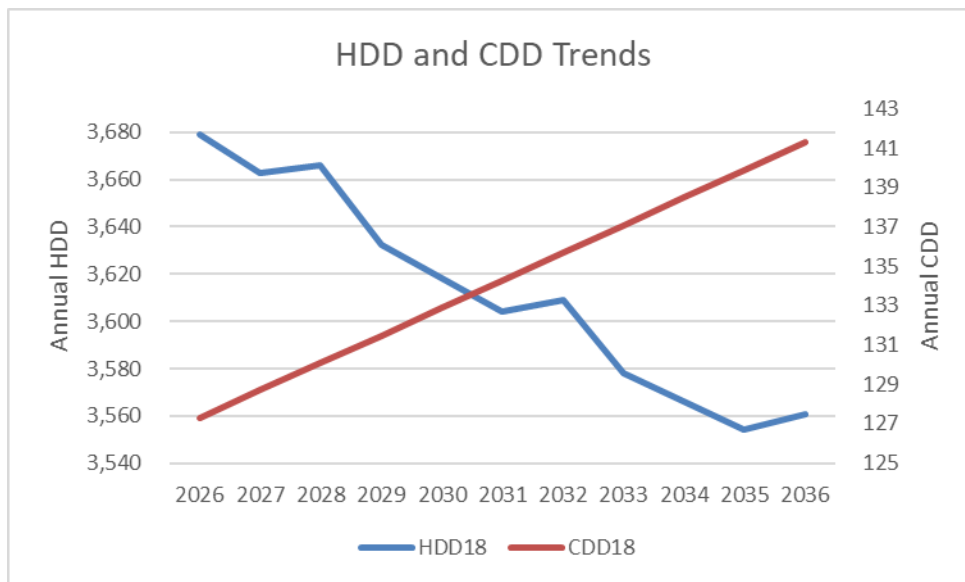
Figure 10: CDD Trend



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These trends are reduced over time (approximately 40 years) such that the average annual HDD is not forced to 0 and the average annual CDD does not increase indefinitely. **Figure 11** shows how the HDD and CDD variables evolve over the 10-year forecast period. 2026 represents the 10-year average, and by 2036 the annual HDD value is reduced to 3,561 while the CDD value has increased to 141. The implication of this change is a reduced winter heating load and an increased summer cooling load in both the Residential and Commercial classes. The bumps in 2028 and 2032 are due to leap years which have an extra day in February.

Figure 11: Annual HDD and CDD Over Time



Like previous years, the 2026 peak model uses a temperature input in combination with an average daily wind speed variable. The temperature input in the 2025 model was based on a 12-hour lagged temperature; this has been updated in the 2026 model to include a 24-hour lagged temperature based on analysis of the 2026 system peak and subsequent modifications to the peak model to better capture its magnitude. The peak temperature formula is given below, and the change is discussed in detail in **Section 10.1**.

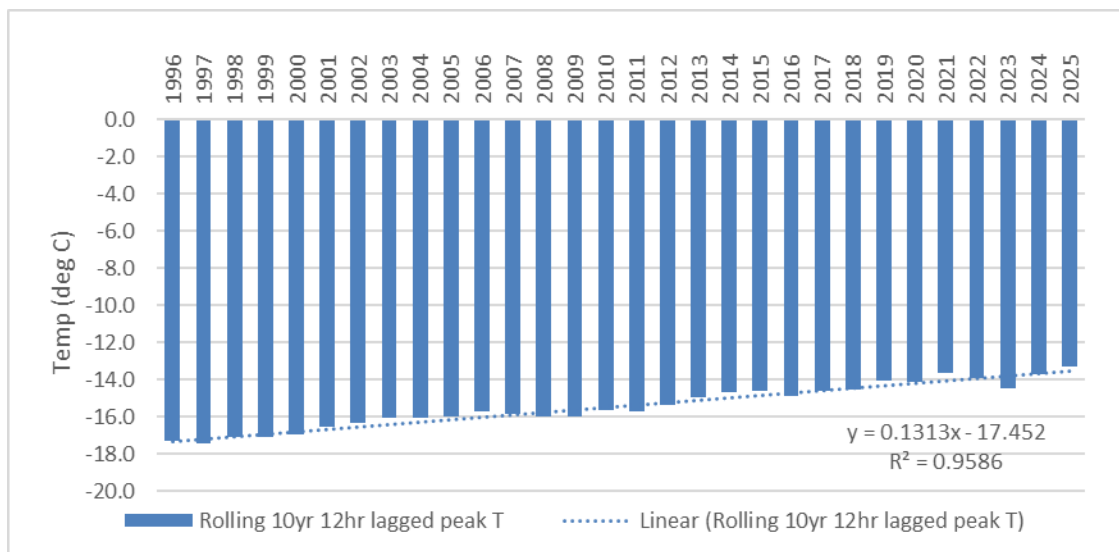
$$\text{Peak Day Temperature} = 0.8 * (12\text{-hour lag temperature}) + 0.2 * (24\text{-hour lag temperature})$$

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Consistent with the updates made in the 2025 model, the 12-hour lagged temperature component in this calculation is based on a rolling 10-year average of 10-year averages of the 12-hour lagged peak temperature, as found in **Figure 12**, which is -14.1°C. Using a rolling average will reduce year-to-year fluctuations in the peak temperature input and better reflect the slowly warming peak conditions in Nova Scotia. The same treatment is applied to the 24-hour lagged temperature component, yielding a 24-hour lagged temperature component of -11.9°C. The calculation of the input for windspeed remains unchanged, with a 10-year average peak day value of 18.8 km/h. Fluctuations in this input variable have a much smaller impact on the peak model.

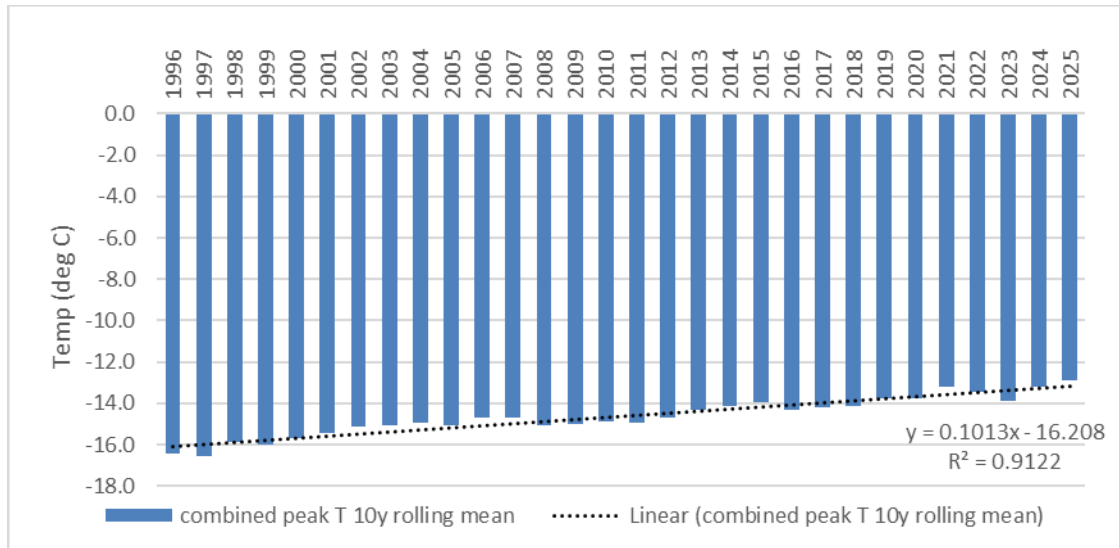
Similar to the annual HDD calculations, a trend is included in the peak forecast temperature to account for the impact of climate change. The trend is based on the combined peak day temperature value, and shows that the peak day temperature is increasing at a rate of around 0.10 degrees per year (**Figure 13**). Note that this trend is weaker than used in the 2025 Forecast, owing to the incorporation of the 24-hour lagged temperature component, which shows a weaker change over time than the 12-hour lagged temperature. Like the trend in the HDD series, the peak temperature trend also tapers off over a period of approximately 40 years.

Figure 12: Rolling 10 Year Average of Annual 12 hour lagged average minimum temperatures



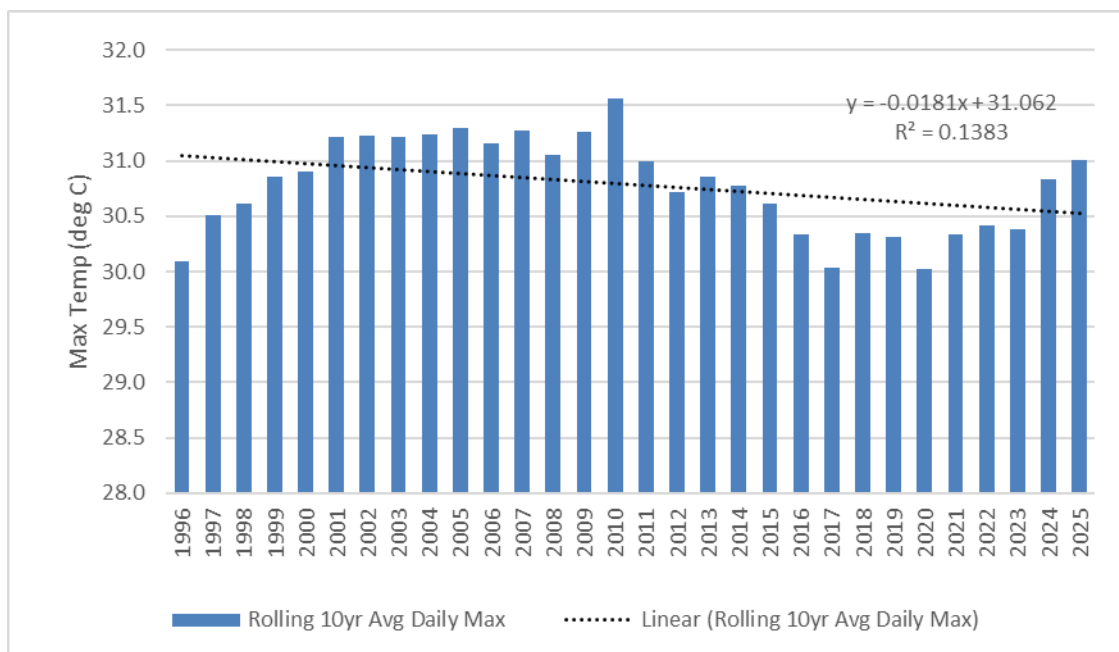
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Figure 13: Trend in combined rolling 12 and 24 hour lagged temperatures



Unlike winter peaks, the summer peaks (based on maximum annual temperature) do not show a clear trend, as shown in **Figure 14**. As a result, summer peak temperatures values are not adjusted in the forecast period and rely on the 10-year average.

Figure 14: Rolling 10 Year Average of Annual Max Trend



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The Climate Atlas of Canada⁸ provides estimates for annual HDD as well as number of “Winter Days” that are -15°C or colder under different climate change scenarios between now and 2050. Annual HDD for Halifax is forecast to decline to a 30 year average of 3597 between 2021 and 2050 under the scenario where greenhouse gas emissions continue at present rates, or to 3636 where emissions slow. The number of “Winter Days” is forecast to decrease from a 30-year average of 13 (between 1976 and 2005) to around 6 under both scenarios. Both trends are in line with the trends being applied to annual HDD and peak temperature increases in the forecast. On the cooling side, annual CDD is expected to increase to 184 by 2050, with “Summer Days” increasing from 18 to 39 under the scenario where greenhouse gas emissions continue at present rates. This will increase overall cooling requirements but is unlikely to have a significant impact on summer peaks. The Climate Atlas of Canada predicts that the average warmest maximum temperature will only increase from 29.6°C to 31.5°C by 2050.

4.4 Economic Information

Economic and other provincial statistics used in the load forecast are from Signal49’s 20-year forecast. This forecast provides a provincial perspective and considers specific Nova Scotia projects and demographics.

In the SAE framework, economic data drives the utilization of the end-use stock over the forecast period, with different indicators used in the different models. The impact of potential trade tariffs on these indicators is not included in the forecast, but the magnitude of the potential impact of economics on the long-term forecast is illustrated in **Figure 75**.

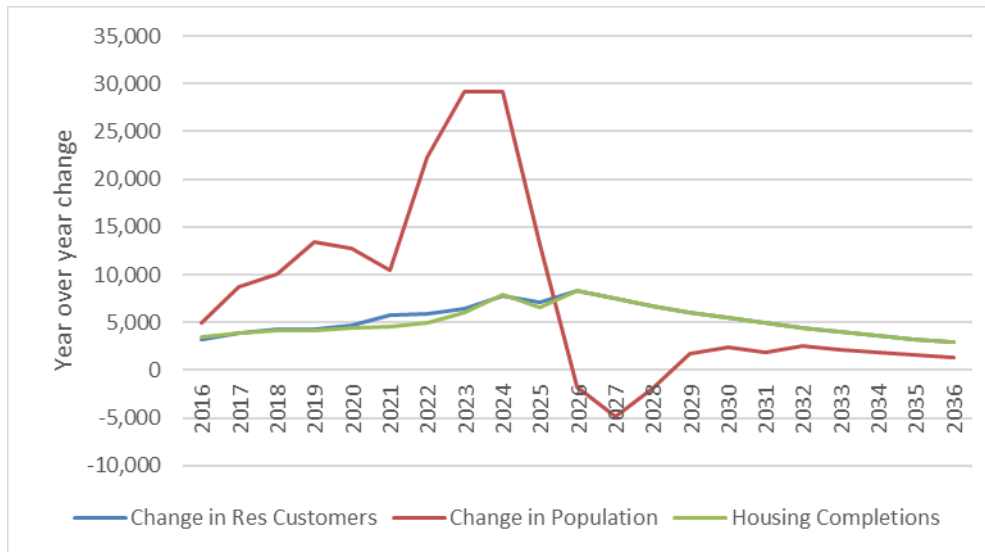
New housing completions for both single-family and multi-unit buildings as forecast by Signal49 continue to be used directly in the residential customer forecast. Growth of new customers is expected to remain positive but decrease over time, as population growth slows from the expected peak in 2024.

⁸ <https://climateatlas.ca/map/canada>

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Housing completion numbers continue to be highly correlated with residential customer count, as seen in **Figure 15**, and continue to be the most appropriate indicator in the near term. While population does impact housing development in the long term, it does not necessarily correlate with new customer additions in the near term.

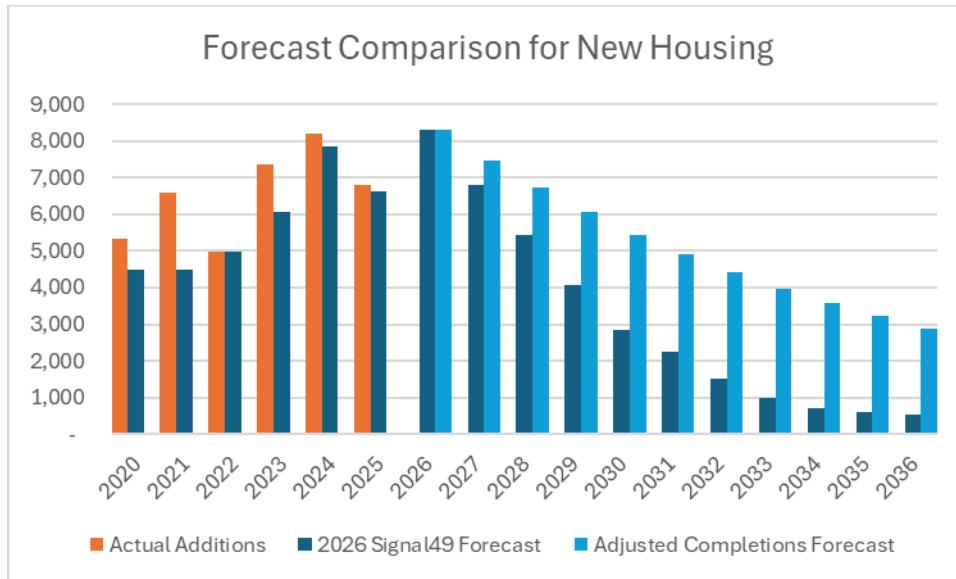
Figure 15: Yearly Change in Customers, Population, and Housing Completions



Comparing actual customer additions with the previous housing completion forecasts shows Signal49's forecast follows the same trend but underestimated actual customer additions by an average of 20 percent between 2020 and 2024. However, in 2025, Signal49's forecast was only 6 percent below 2025 actual customer additions. The forecast for 2026 appears to be generally consistent with recent trends in actual customer additions and with the forecasts produced by Canada's five major banks, as shown in **Figure 21**. However, Signal49 forecasts a dramatic decline in housing completions starting in 2027, with an average year over year decrease of 24 percent over the forecast period, which NS Power considers to be overly pessimistic given that new developments totaling approximately 40-50,000 units over the next 10-20 years have been announced. The forecast for housing completions has therefore been adjusted to reflect a slower decline of 10 percent per year over the forecast period, which acknowledges the fact that new housing construction will peak over the next few years but will decrease over time as population growth slows. A comparison of the forecasts can be seen in **Figure 16**.

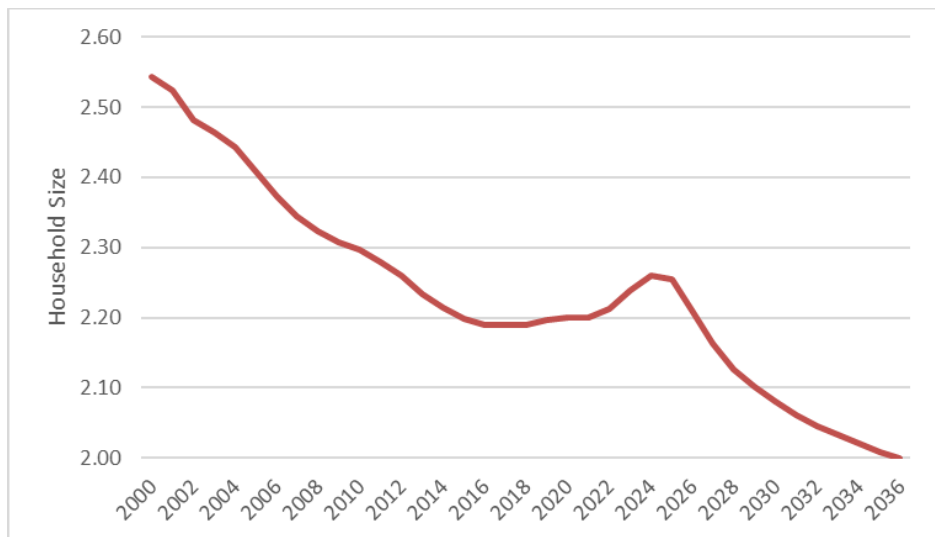
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Figure 16: Yearly Change in Residential Customers



Regarding household size, population is currently used in combination with customer count to estimate average household size in the SAE model via the Heat Use, Cool Use, and Other Use variables (see **Appendix B**). As this number increases or decreases, the utilization rate of the corresponding usage variable will increase or decrease as well. **Figure 17** shows how the Household Size variable changes over time:

Figure 17: Household Size



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Household Size decreased steadily from 2000 to 2016 as population growth stagnated while new housing continued to increase. From 2016 to 2022, the average household size was steady around 2.2, but between 2022 and 2024 household size increased as population increased, with a decline after 2024 as population growth continues to slow.

In the commercial models, non-manufacturing gross domestic product (GDP) and non-manufacturing employment continue to be used. In the industrial sector, rate classes are forecast using an econometric framework, with manufacturing GDP and manufacturing employment used as the economic drivers. The approach used for the commercial and industrial models remains consistent with the 2025 Load Forecast, with the exception of the medium industrial model. As suggested by the Board in its 2025 Load Forecast Decision, NS Power investigated Statistics Canada Table 36-10-0480-01 (Labour Productivity), but no corresponding forecast data set is produced by Signal49. However, further research on incorporating the employment and manufacturing GDP data provided by Signal49 resulted in two changes to the medium industrial forecast. The manufacturing employment forecast now includes employment numbers for manufacturing, other primary industries, and utilities, as these are all associated with industrial activity in the province; and the model now uses a weighted variable that includes both manufacturing GDP and manufacturing employment. As a result of these changes, the regression timescale for the medium industrial model is now consistent with the other class models (10-year historic period), and the model has improved statistical significance compared to the model used for the 2025 Load Forecast (adjusted R squared of 0.894 for 10 years vs. 0.688 for 18 years in the 2025 model). **Figure 18, Figure 19 and Figure 20** summarize the economic drivers, on an annual basis, used in the 2026 Load Forecast. For financial measures, the variables have been adjusted to constant dollars, eliminating the inflation effects from the series.

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1 **Figure 18: Residential Economic Drivers**

Year	New Construction (number)	% Change	Household Compensation (mil \$2002)	% Change
2016	3,468		17,118	
2017	3,858	11.2	17,517	2.3
2018	4,214	9.2	18,036	3.0
2019	4,207	-0.2	18,061	0.1
2020	4,470	6.2	18,077	0.1
2021	4,503	0.7	18,915	4.6
2022	4,966	10.3	19,198	1.5
2023	6,075	22.3	20,276	5.6
2024	7,862	29.4	21,226	4.7
2025	6,607	-16.0	21,552	1.5
2026	8,291	25.5	21,671	0.6
2027	7,462	-10.0	21,808	0.6
2028	6,716	-10.0	21,904	0.4
2029	6,044	-10.0	22,079	0.8
2030	5,440	-10.0	22,293	1.0
2031	4,896	-10.0	22,414	0.5
2032	4,406	-10.0	22,475	0.3
2033	3,966	-10.0	22,552	0.3
2034	3,569	-10.0	22,647	0.4
2035	3,212	-10.0	22,739	0.4
2036	2,891	-10.0	22,836	0.4
16-25		7.4		2.6
26-36		-10.0		0.5

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Figure 19: Commercial Economic Drivers

Year	Non-Manufacturing GDP (mil \$2017)	% Change	Non-Manufacturing Employment (000)	% Change
2016	35,780		397	
2017	36,535	2.1	400	0.6
2018	37,128	1.6	405	1.4
2019	38,314	3.2	416	2.6
2020	36,605	-4.5	399	-4.1
2021	38,849	6.1	425	6.7
2022	40,393	4.0	442	3.9
2023	41,316	2.3	455	3.1
2024	42,314	2.4	471	3.4
2025	42,991	1.6	473	0.6
2026	43,542	1.3	477	0.7
2027	44,326	1.8	478	0.3
2028	45,096	1.7	479	0.2
2029	45,893	1.8	481	0.3
2030	46,674	1.7	483	0.5
2031	47,401	1.6	484	0.2
2032	48,050	1.4	485	0.2
2033	48,682	1.3	486	0.2
2034	49,307	1.3	488	0.3
2035	49,914	1.2	489	0.3
2036	50,498	1.2	490	0.3
16-25		2.1		2.0
26-36		1.5		0.3

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1 Figure 20: Industrial Economic Drivers

Year	Manufacturing GDP (mil \$2017)	% Change	Manufacturing Employment (000)	% Change
2016	2,762		45	
2017	2,794	1.2	45	0.8
2018	2,894	3.6	46	1.9
2019	3,090	6.8	48	2.0
2020	2,920	-5.5	49	3.9
2021	3,252	11.4	51	0.9
2022	3,162	-2.8	51	4.1
2023	3,137	-0.8	50	0.2
2024	3,331	6.2	50	-0.7
2025	3,359	0.9	50	0.4
2026	3,399	1.2	51	-0.1
2027	3,466	2.0	50	0.2
2028	3,537	2.0	49	-0.9
2029	3,611	2.1	49	-1.3
2030	3,683	2.0	48	-1.2
2031	3,781	2.7	48	-1.0
2032	3,896	3.0	48	-0.5
2033	4,006	2.8	48	-0.1
2034	4,113	2.7	48	0.0
2035	4,219	2.6	48	0.0
2036	4,326	2.5	48	-0.1
16-25		2.2		1.4
26-36		2.4		-0.5

2

3 The major Canadian banks provide short term (1-2 year) forecast for some of the key economic

4 indicators, and these are provided in **Figure 21**. Signal49's forecast is in line with the forecasts

5 from the banks.

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Figure 21: Economic Forecast Comparison

	<u>GDP</u>		<u>Employment</u>		<u>Housing Starts</u>	
	2026 (%)	2027 (%)	2026 (%)	2027 (%)	2026	2027
Signal49⁹	1.3	1.8	0.6	0.2	8181	6771
BMO¹⁰	1.4	1.8	0.5	0.6	8500	8000
RBC¹¹	1.5	1.6	0.4	0.4	7800	6000
TD¹²	1.6	1.2	0.3	0.4	6900	6600
Scotiabank¹³	1.5	1.9	0.3	0.6	8400	8000

4.5 End-Use Trends

In addition to economic data, the SAE model also uses end-use data, in the form of saturations and efficiencies, from NRCan and the US Energy Information Agency (EIA). NRCan data for the residential sector is specific to Nova Scotia, while NRCan data for the commercial sector is for Atlantic Canada. EIA data is for New England and is calibrated to fit existing Nova Scotia data. For the 2026 Load Forecast, the EIA data are updated to reflect the EIA's 2025 Annual Energy Outlook.

The approach to developing the individual end-use intensities is to start with historical NRCan end-use saturation trends combined with data derived from surveys and use year-over-year changes in saturation projections and end-use efficiency estimates for the New England Census Division. The resulting end-use intensity trend is then compared with end-use energy estimates from NRCan. If necessary, it is then adjusted so that the resulting intensities are consistent with NRCan reported end-use consumption and actual average use derived from NS Power billing data.

In the case of end uses where there is little historical activity or where future behaviour is expected to vary significantly from the existing data set due to targeted programs, these are modeled outside the average use intensities. EVs and rooftop solar photovoltaic (PV) continue to be modeled

⁹ March 2026

¹⁰ BMO Provincial Economic Outlook, Apr 2026

¹¹ RBC Economics Provincial Forecast, Dec 2025

¹² TD Economics Provincial Economic Forecast Mar 2026

¹³ Scotiabank Global Economics, Provincial Outlook, Jan 2026

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outside the average use intensities as they have little historic data. This method also allows these items to be tracked more directly to help fine-tune future forecasts. Key end uses are discussed individually below.

4.5.1 Heat Pumps

Heat pump usage continues to grow in the province as more customers find heat pumps an efficient way to heat and cool buildings as well as providing environmental and financial benefits. The end-use model uses an estimated saturation of nearly 50 percent of customers supplying their heat via heat pumps in 2026. Even so, the estimated number of customers who installed heat pumps in 2025 was approximately 21,300, around 1,300 fewer installs than estimated in the 2025 forecast. Heat pump installations are expected to decline in 2026 due to the closure of the Home Heating System Rebates program on December 31, 2025¹⁴ and the Oil to Heat Pump Affordability Program (OHPA) reaching program capacity as of February 11, 2026.¹⁵ Consequently, the projected new heat pump installations to take place over the forecast period when compared to the previous forecast is reduced, accounted for by an initial reduction of around 20 percent in 2026 to account for the decreased financial support and then a gradual decline of around 2.5 percent per year as the market readjusts. It is important to note that strong uptake continues to be expected (> 15,000 per year on average across the forecast period), just not to the levels seen in recent years given fewer grants will be available. The forecast does not assume reintroduction of federal or provincial financial grants for heat pump installs, although new programs are possible and these will be accounted for in future forecasts if new information becomes available.

Figure 22 shows the forecast for residential installations and changes to saturation and intensity over the forecast period. The overall saturations and intensities are lower than in the 2025 forecast because of the reduction in the forecast number of installs, as discussed above. Additionally, a portion of the heat pumps become hybrid from 2028, further reducing heating intensity (see **Section 4.5.2**).

¹⁴ <https://www.energycouncil.ca/programs-rebates/home-heating-system-rebates>

¹⁵ <https://www.energycouncil.ca/ohpa-update>

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Figure 22: Residential Heat Pump Forecast

Year	Total Cumulative New Installs	% Install Non-Elec. Heat	% Install Elec. Heat	Overall % Sat. for Heating	Overall Heating Intensity (kWh/house) ¹⁶	Overall % Sat. for Cooling	Overall Cooling Intensity (kWh/house)
2026	17,770	62	38	50	2,120	63	216
2027	35,096	61	39	53	2,240	66	224
2028	51,988	61	39	55	2,370	69	232
2029	68,459	60	40	58	2,500	72	240
2030	84,517	59	41	60	2,630	74	248
2031	100,174	58	42	63	2,755	77	256
2032	115,440	58	42	65	2,878	80	263
2033	130,095	57	43	67	2,999	82	270
2034	144,164	56	44	69	3,117	85	277
2035	157,670	56	44	71	3,232	87	283
2036	170,636	55	45	73	3,317	89	290

4.5.2 Hybrid Heating

Residential Hybrid Heating

Residential hybrid heating assumptions have been updated for the 2026 Load Forecast, consistent with the Board's 2025 Load Forecast Decision.¹⁷ The 2025 forecast used E3's hybrid scenario, where a portion of customers adopting heat pumps retain their non-electric backup heating systems to provide heating on the coldest days. The 2026 residential SAE regression model has been updated to include peak and energy reductions related to potential hybrid programs which have been modelled by NS Power. The modelling was undertaken to establish the potential energy and peak impacts of a hybrid program and is being used to assess the cost impacts of the hybrid approach as part of a Department of Energy-led hybrid heating working group with Net Zero Atlantic, provincial staff and other stakeholders.

¹⁶ Note: Overall intensity values are expressed on a population level. For example, on average, every household is forecast to consume 2,120 kWh for electric heating in 2026. Overall heating intensity therefore increases across the forecast period as more households electrify their heating systems.

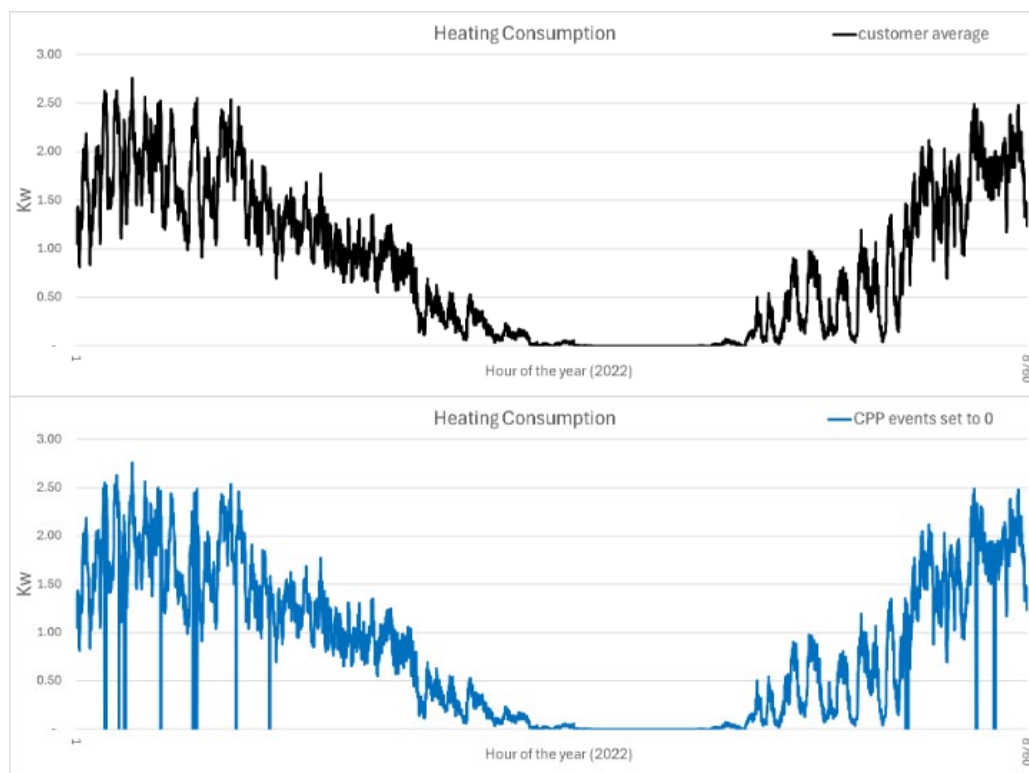
¹⁷ M12349, NSEB Board Decision 2025 Load Forecast Report, December 19, 2025, page 7.

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1 The modelling uses a baseline residential electric-heating load shape derived from AMI data for
2 the year 2022. Total household consumption was disaggregated to isolate space-heating load,
3 producing a heating-only profile representing the average heat usage of 22,130 customers detected
4 as owning a heat pump with high confidence ($p > 90$ percent). This profile includes consumption
5 from heat pumps and electric backup systems. The baseline residential electric-heating load shape
6 is shown in **Figure 23**. To quantify hybrid-heating impacts, heat use was set to zero under several
7 potential “hybrid event” trigger scenarios, representing a switch from electric to non-electric
8 heating. Scenarios considered included Critical Peak Events (aligned with NS Power’s CPP Rate
9 Pilot) and hours when the outside air temperature fell below -10°C (an example is also shown in
10 **Figure 23**). Resulting peak and energy reductions for an individual customer were then scaled
11 using annual participation assumptions. Participation was modelled as a share of forecast non-all-
12 electric (NAE) heat-pump installations, which represents customers with an existing non-electric
13 system capable of serving as backup heating for the home during hybrid events. Modelled
14 participation ranged from 100 percent of potential customers to establish the maximum achievable
15 potential, to more conservative but realistic shares. Hybrid programs were assumed to begin in
16 2028, which is the hybrid heating working group’s current target for program implementation. The
17 development of any associated incentives is part of the ongoing work on a hybrid program.

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Figure 23: Baseline Residential Electric Heating Load Shape and Example Hybrid Modification



Modelling results are shown in **Figure 24** and represent the lower and upper bounds of the hybrid peak and energy impacts from the assumed program start in 2028 to the end of the 10-year forecast period. Peak reductions depend solely on participation level, as system peak occurs in a single hour; trigger scenario (i.e. the set of conditions that are required to be met for the heating source to switch from electric to non-electric) does not influence the peak outcome provided an event occurs at that time. Whether the next highest peaks (e.g., second, third, fourth highest remaining NSR values) are reduced depends upon the specifics of the hybrid event trigger scenario. In practise, this means the overall hybrid impact may not reach the target program value, depending on the relative magnitudes of the individual system peak and the next highest NSR values. Energy reductions vary with both participation and the number of hybrid-event hours.

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Figure 24: Range of Modelled Hybrid Peak and Energy Reductions

Year	Peak Reduction (MW)		Energy Reduction (GWh)	
	Min	Max	Min	Max
2028	-2	-18	-3	-23
2029	-4	-36	-5	-47
2030	-7	-54	-8	-70
2031	-9	-71	-10	-92
2032	-11	-87	-12	-114
2033	-13	-103	-15	-134
2034	-14	-117	-17	-152
2035	-16	-130	-19	-170
2036	-18	-143	-20	-187

The 2025 Load Forecast adopted E3’s residential hybrid peak-mitigation estimate of –48 MW by 2036 (adjusted for a 2028 start). This value is between the modelled peak reductions for the 20 percent and 50 percent participation levels, which corresponds to between 11,000 and 27,000 customers being enrolled in a hybrid program, and has therefore been retained for the 2026 Load Forecast. However, modelling results strongly suggest that the previously assumed 200 GWh energy reduction from E3’s hybrid scenario is not attainable. Based on the updated modelling, an energy reduction of 83 GWh by 2036 is adopted, as the median modelled result; this is approximately the peak reduction achieved under the 50 percent adoption CPP scenario (27,000 enrolled customers by 2036). Yearly peak and energy reductions included in the 2026 Load Forecast are given in **Figure 25**.

In the 2026 Load Forecast, residential hybrid heating is represented as a distinct end-use in the residential SAE forecast model. The NAE heat-pump category is split into hybrid and non-hybrid segments based on an assumed participation rate of 50 percent (27,000 customers by 2036). Heating intensity is reduced for the hybrid segment to reflect the impacts discussed above. The intensity reduction is 7 percent, based on the scenario whereby hybrid events were triggered when the temperature fell below -10° C (this value equals the energy difference between the baseline residential electric-heating load shape used for the hybrid impact modelling, and the resulting load shape from setting heating load to zero when the hybrid events are assumed to occur). However, a

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comparison of energy and peak values predicted by the SAE models with and without the residential hybrid heating representation showed that the hybrid-reduction did not fully match the model results discussed above, because of differences in modelling approaches. It is therefore necessary to apply additional adjustments to the residential peak and energy forecasts to fully capture the expected peak and energy impacts of a residential hybrid heating program. The breakdown of hybrid impact included in the SAE models and the additional adjustments required to match the total hybrid impact is provided in **Figure 25**.

To summarize, the main change from previous Load Forecasts is that the impact of hybrid heating programs is now estimated by NS Power's own modeling which is underpinned by actual customer heat use values, derived from AMI data. This represents a move away from applying a model adjustment based on estimates provided by E3, as in past forecasts.

Figure 25: Forecast Residential Hybrid Peak and Energy Reductions

Year	Peak Reduction (MW)			Energy Reduction (GWh)		
	Total	Included in peak model	Adjustment required to match total	Total	Included in residential end use model	Adjustment required to match total
2028	-6	-2	-5	-10	-4	-7
2029	-13	-4	-9	-21	-9	-12
2030	-19	-7	-12	-31	-16	-15
2031	-26	-11	-14	-41	-24	-17
2032	-32	-16	-16	-51	-34	-17
2033	-36	-20	-16	-60	-43	-17
2034	-40	-24	-16	-68	-51	-17
2035	-44	-28	-16	-76	-59	-17
2036	-48	-32	-16	-83	-67	-16

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Commercial Hybrid Heating

Unlike for residential, to date there has been no provincial planning or discussion around a commercial hybrid heating program. On the commercial side, therefore, the 2026 Load Forecast continues to use assumptions from E3's hybrid scenario, consistent with the 2025 Load Forecast. The only modification is to change the anticipated start date for commercial hybrid heating impacts from 2026 to 2028, in line with the residential sector. As with previous load forecasts, the commercial energy values predicted from the commercial SAE model is higher than the E3 hybrid scenario model where some of the commercial heating requirements are handled by a secondary non-electric heat source. Adjustments are therefore applied to the commercial energy forecast to estimate the impact of the commercial hybrid scenario. Adjustment values are given in **Figure 26**. NS Power will adjust this approach for future load forecasts as details for a commercial hybrid heating program are established, as has been done for the residential sector.

Figure 26: Energy adjustments applied to commercial forecast for the hybrid heating scenario

Year	Energy Adjustment (GWh)
2028	-7
2032	-35
2036	-75

4.5.3 Water Heaters

NS Power anticipates that some customers who convert their oil heating systems to heat pumps will also convert their hot water supply to electric hot water tanks because of the annual operating savings. Growth is expected to remain steady, with saturation increasing to 85 percent by 2036. This projection is slightly lower than the previous forecast due to the reduced number of heat pump installs forecast, as discussed in **Section 4.5.1**. As part of a joint demand response working group, NS Power and EI are continuing with a program that involves controlling water heaters directly

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to achieve benefits to the system (see **Section 10.4**). **Figure 27** shows the expected changes in electric water heater saturation and overall intensity over the forecast period.

Consistent with the Board's direction in the 2025 Load Forecast Decision, heat pump water heaters are modelled as a separate end use to standard electric water heaters.¹⁸ Approximately 2 percent of the current electric water heater fleet in Nova Scotia are estimated to be HP water heaters. This equates to an overall residential saturation of approximately 1.4 percent. This is forecast to increase to approximately 2 percent of the total residential households by 2030. The same rate of growth is assumed for the 2030s and 2040s, resulting in a forecast population share of 3.2 percent in 2036. Two factors have been identified which could potentially increase this rate of growth in the forecast period. Firstly, minimum efficiency standards for water heaters in the United States will take effect in May 2029. These standards will require newly manufactured electric storage water heaters with capacities greater than 35 gallons use heat pump technology. This is anticipated to have an impact on the relative shares of different electric water heater technology in NS as the market and supply chains adapt. Secondly, E1 launched a heat pump water heater market transformation pilot in 2024, which offers rebates on heat pump water heaters as well as contractor and customer education.¹⁹ This pilot program will continue through 2026²⁰ and potentially beyond.²¹ NS Power will continue monitor the impacts of both of these factors on the rate of installation growth.

To represent the efficiency improvements of heat pump water heaters, their modelled intensity is set to 40 percent of standard electric water heaters, based on estimates provided by E1.²² Heat pump electric water heater saturation and overall intensity over the forecast period are included in **Figure 27**.

¹⁸ M12349, NSEB, Board Decision, 2025 Load Forecast Report, December 19, 2025, page 7.

¹⁹ M12780, E1, 2025 DSM Annual Progress Report, March 31, 2026, page 23 and 43.

²⁰ M12249, E1, 2026 DSM Plan Extension, Appendix A, April 30, 2025, page 45-46.

²¹ M12780, E1, 2027-2031 DSM Plan, Appendix A – Preferred Plan, March 31, 2026, page 97-98.

²² <https://www.energycyns.ca/products/heat-pump-water-heaters>

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Figure 27: Electric Water Heater Forecast

Year	Saturation (% of total population)			Intensity (kWh/household) ²³		
	Standard	Heat Pump	Combined Total	Standard	Heat Pump	Combined Total
2026	74	1	75	1,540	11	1,551
2027	75	2	76	1,555	13	1,567
2028	76	2	77	1,568	14	1,582
2029	77	2	79	1,593	15	1,608
2030	78	2	80	1,607	16	1,623
2031	79	2	81	1,617	18	1,636
2032	80	2	82	1,627	20	1,647
2033	81	3	83	1,636	22	1,657
2034	81	3	84	1,645	23	1,668
2035	82	3	85	1,653	24	1,677
2036	82	3	85	1,661	26	1,687

4.5.4 Electric Vehicles (EVs)

EV sales were higher than forecast in 2025, despite the conclusion of provincial light-duty vehicle EV rebates in May 2025, and the temporary pausing of federal light-duty vehicle sales incentives (incentives for medium-duty vehicles and heavy-duty vehicles remained in place). There were approximately 9,600 Battery Electric Vehicles (BEV) + Plug-in Hybrid Electric Vehicles (PHEV) (together considered as EVs) estimated to be in the province as of the end of 2025, compared to the approximately 8,300 included in the 2025 forecast. The 2026 EV forecast has been adjusted to account for these higher sales figures, resulting in an overall increase in the forecast period compared to the 2025 Load Forecast. However, the ramp up in EV sales is not forecast to be as steep as the previous forecast following the cancellation of the EV Availability Standard (sales mandate) and the revision of the federal government mandate of 100 percent ZEV sales by 2035 to 75 percent ZEV sales by 2035 (both of which were assumptions in the 2025 Load Forecast).

²³ Note: overall intensity values are expressed on a population level. For example, on average, every household is forecast to consume 1,540 kWh for electric water heating in 2026. Intensity therefore increases across the forecast period as more households adopt electric water heaters (or heat pump water heater).

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1 Consequently, by 2036 the gap between the current EV sales forecast and the 2025 EV forecast is
2 much smaller than in the early 2030s.

3
4 A comparison of the 2026 and 2025 EV forecasts is shown in **Figure 28**. The forecast includes
5 both light-duty vehicles (LDV) as well as medium-duty vehicles (MDV) such as delivery trucks
6 and other medium-duty fleet vehicles, and heavy-duty vehicles (HDV) focusing on buses. The
7 revised EV forecast estimates that Nova Scotia will have almost 250,000 EVs on the road by 2036
8 (mostly LDVs) compared to a forecast of around 225,000 vehicles by 2036 in the 2025 Load
9 Forecast.

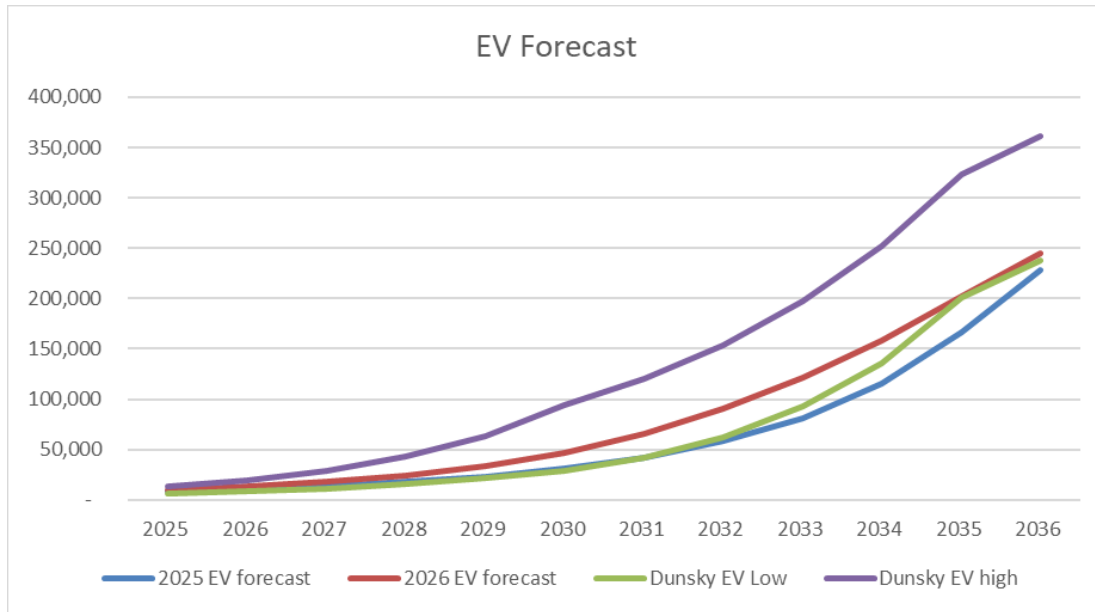
10
11 For context, the “Low” and “High” EV adoption scenarios from Dunskey’s “Ensuring ZEV
12 Adoption in Nova Scotia”²⁴ report from 2023 are included in **Figure 28**. The “Low” scenario
13 assumed EV sales in Nova Scotia lag federal mandates (100 percent ZEV by 2035 at the time of
14 the report’s publication), while the “High” scenario distributed sales evenly across all provinces.
15 The updated EV forecast shows adoption figures ahead of the “Low” scenario across much of the
16 forecast period reflecting strong sales figures in 2025, but the gap closes late in the forecast period
17 as a result of the different percentage sales targets. Note that the Dunskey scenario data are in 5-
18 year increments, hence the step change in their respective growth rates from 2035 to 2036.

19

²⁴https://ecologyaction.ca/sites/default/files/2023-05/RegionalZEVAdoptionOptions_Dunskey_March2023.pdf,
prepared by Dunskey Energy+Climate Advisors for the Ecology Action Center

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Figure 28: EV Forecast



The impact of EVs on residential energy sales and peak (reflecting at-home charging) remains unchanged from the 2025 Load Forecast, where the effect of EV charging at home was estimated based on analysis of customer-level AMI data at 15-minute time frequency. That analysis established a per-customer load increase of 3820 kwh per year, and a coincident peak impact of 0.39 kW, for at home charging (again, not including public/commercial charging of LDVs). The impact of commercial charging and MDV and HDV charging continues to come from estimates provided by E3's EV Load Shaping Tool, as analysis has not yet been undertaken to evaluate these estimates using AMI data for these vehicle (and charging) categories. E3's tool simulates driving and charging of electric vehicles in Nova Scotia, based on a bottom-up modelling approach and produces a load shape that captures the diversity of driving behavior, EV types, and charging access across the Nova Scotia driving population. **Figure 29** shows the EV load and peak demand contribution estimated from the load shapes provided by E3, including the impact to LDV load and peak from both at-home and public charging (assumed to add 10 percent to annual energy and 0.2 kW/vehicle to peak based on the E3 load shapes).

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Figure 29: EV Mileage Assumptions and Load/Peak Modeling Results

Vehicle Type	Avg kWh/year	Avg kW/vehicle on Peak
LDV	4,202	0.6
MDV	8,205	1.6
HDV	113,890	7.3

Figure 30 provides the estimated energy and peak impacts that correspond to the number of EVs in the forecast, along with a sensitivity showing potential peak impact based on the maximum non-coincident residential peak calculated in the analysis referenced above, which was 0.5 kW/vehicle, combined with the unmanaged scenarios for MDV and HDV from E3 for a total potential peak impact of 1.2kW/vehicle. The peak loads shown are overall averages including LDV, MDV and HDV impacts to peak.

Figure 30: EV Impact to Energy and Peak Forecasts (cumulative)

Year	New EVs	New Load (GWh)	Peak @ 0.7kW/vehicle (MW)	Peak @ 1.2kW/vehicle (MW)	Total EVs	Total Load (GWh)	Peak @0.7kW/vehicle (MW)	Peak @1.2kW/vehicle (MW)
2026	3,572	22	3	5	13,172	54	9	12
2027	8,244	47	6	11	17,844	80	12	18
2028	14,743	83	11	19	24,343	115	17	26
2029	23,886	129	18	29	33,486	162	23	36
2030	36,970	192	26	42	46,570	224	32	49
2031	55,946	276	39	59	65,546	309	44	66
2032	80,855	384	55	81	90,455	416	60	88
2033	111,788	516	74	108	121,388	549	80	115
2034	148,845	673	98	139	158,445	706	103	146
2035	192,124	856	125	175	201,724	888	130	182
2036	234,934	1040	151	211	244,534	1072	157	218

4.5.5 Solar Generation (PV)

Solar generation consists of two main types – distributed small-scale solar (mainly rooftop) that falls under NS Power’s Net Metering (capacity less than 27kW) or Commercial Net Metering

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Programs, and small- to large-scale generation that is fed directly onto the grid via power purchase agreements or direct utility ownership.²⁵ In the Load Forecast, only the small scale net metering installations are considered, as they serve as a reduction in load in the residential and commercial classes. The 2025 Load Forecast was for 3,085 new installations while the actual number was 2,005 (1,943 Net Metering installations and 62 Commercial Net Metering installations), for a cumulative total of 13,087 total active customers (127 MW) by the end of 2025 (12,980 Net Metering and 107 Commercial Net Metering).^{26,27} As of 2026, the average installed capacity is approximately 8.6 kW for residential customers and 54.9 kW for non-residential (this is the combined average across non-residential Net Metering customers and Commercial Net Metering customers), and total annual combined net metering solar generation is estimated at 138 GWh. The average capacity factor is estimated to be 12.5 percent, and average production is 10,581 kWh/customer (Net Metering average production = 9,731 kWh/customer, Commercial Net Metering average production = 113,680 kWh/customer).

The number of solar installations over the forecast period is projected to be lower than in the 2025 Load Forecast Report due to the 2025 actuals being lower than 2025 forecast. Additionally, the Canada Greener Homes interest-free financing program ended in October 2025, which is expected to slow the number of residential installs over the forecast period. Growth in commercial installs is expected to remain strong due to continued commercial incentives that include investment tax credits and accelerated capital cost allowance. The forecast is for total installed capacity of 655 MW by 2036. This assumes no change to the incentive landscape in the coming years. The overall impact is shown in **Figure 31**. There is no forecast reduction in NS Power peak demand, as solar generation occurs at times non-coincident with NS Power's system peak (refer to **Section 10** for further discussion on peak impacts).

²⁵ The Smart Grid Nova Scotia solar garden in Amherst falls under direct utility ownership.

²⁶ M12783, NS Power, 2025 Annual Net Metering Report, Appendix A, March 31, 2026.

²⁷ M12782, NS Power, 2025 Annual Commercial Net Metering Report, Appendix A, March 31, 2026.

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Figure 31: PV Impact to Energy (cumulative)

Year	New Installs	Load (GWh)	Peak (MW)	Total Solar Installs	Total Load (GWh)
2026	2,680	-31	0	15,767	-169
2027	5,622	-66	0	18,709	-204
2028	8,864	-105	0	21,951	-243
2029	12,439	-148	0	25,526	-286
2030	16,381	-196	0	29,468	-334
2031	20,727	-254	0	33,814	-392
2032	25,521	-315	0	38,608	-453
2033	30,356	-378	0	43,443	-516
2034	35,239	-444	0	48,326	-582
2035	39,952	-511	0	53,039	-649
2036	44,473	-572	0	57,560	-710

Although solar generation reduces customer consumption overall, much of their consumption is still provided by the utility. Around 50 to 60 percent of customers production is exported to the grid (mostly in summer months) and serves as a credit against consumption at other times of the year. Analysis of AMI data also shows that on average, net metering customers have higher peak demands than non-net metering customers in both summer and winter periods as shown in **Figure 32** and **Figure 33** below.

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Figure 32: Average Winter Profiles

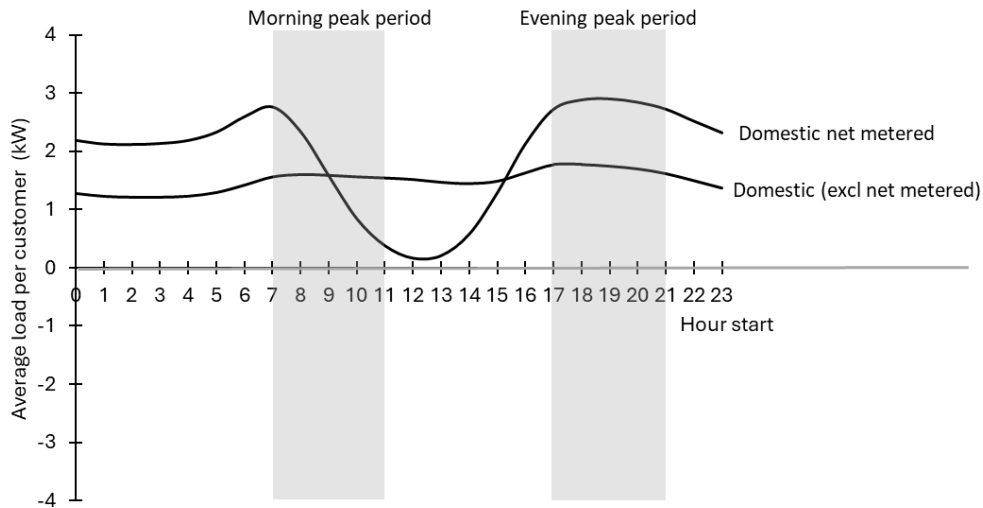
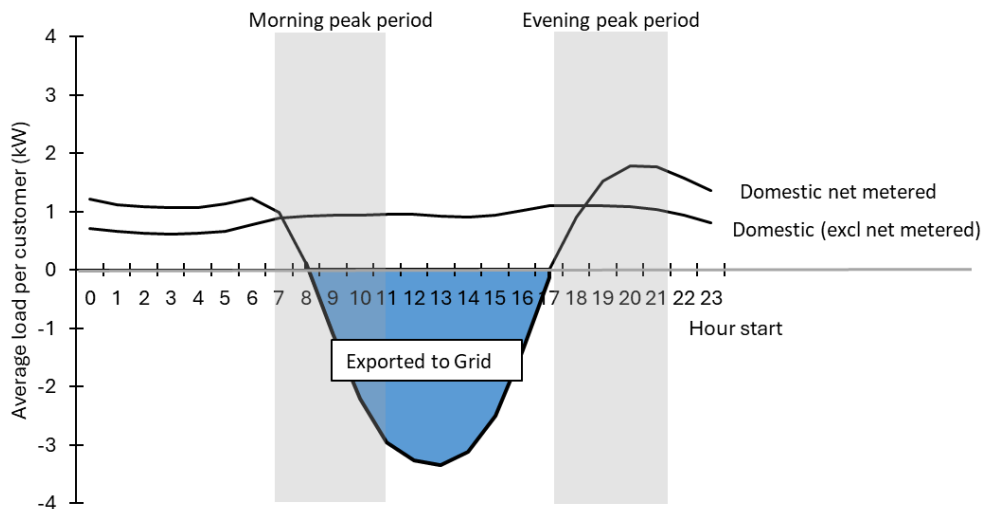


Figure 33: Average Summer Profiles



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4.5.6 New Technologies

The 2026 Load Forecast does not assume a significant amount of distributed solar/battery storage combinations or storage only deployments. The cost of home batteries is still relatively expensive, in the range of \$1,000-\$1,500/kWh²⁸ for a single battery and installation (\$14,000-\$20,000 for a typical 14kWh/12kW battery). This is more expensive than the cost of a gas-powered generator, which varies from as little as \$1,000 for a moderately sized stand-alone generator to supply plug loads (around 5-7 kW), up to \$10,000 or more for an installed whole-home generator. Currently, the only major driver for residential batteries is for back-up power, so gas generators are a more cost-effective solution, although batteries have the potential to provide other services such as solar self consumption and grid services like peak shaving and load optimization. As battery technology improves and costs decrease over time, this is likely to change, but research in these areas is ongoing and timelines for significant shifts in this technology are unknown.

Vehicle-to-Grid (V2G) is a technology that would allow electric vehicles to supply energy to a home, supply energy to the grid, or vary their charging behaviour in response to signals from the grid. The technology is still early in commercialization, and it is not widely available at the moment in Canada. A few manufacturers have included some V2G capability in existing vehicles (for example most GM Ultium-based vehicles and the Ford F-150, Kia EV9, and Tesla Cybertruck) or have announced that they will provide elements of V2G capability in the near future.

4.5.7 Intensities

Figure 34 provides an estimate of the resulting residential end-use intensities. This figure represents the intensities that are inputs to the XHeat, XCool and XOther variables; they are not direct inputs to the forecast. The relative contribution of each will change based on the coefficient applied to the XHeat, XCool and XOther variables.

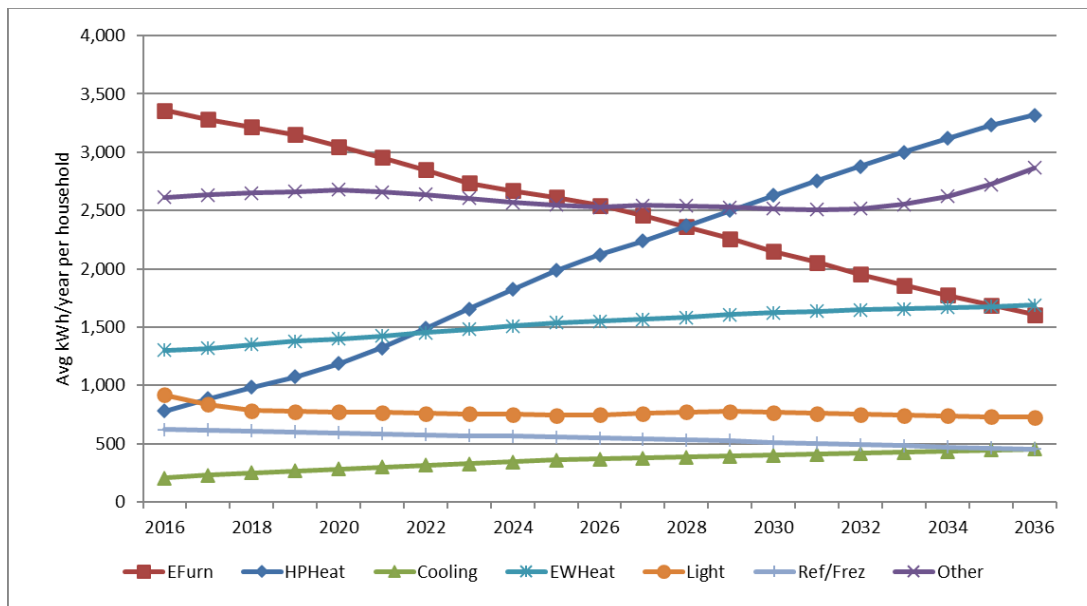
²⁸ <https://www.energycyns.ca/tools-and-resources/tips-and-guides/home-battery-storage-good-for-you-the-grid-and-the-planet>

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PV and EV are modeled outside the regression but are estimated in the “Other” category below in order to illustrate their impact relative to other end uses. A summary of the impact of the different variables post-regression is included in **Section 5**, while a complete breakdown of each element before and after the regression is provided in **Appendix B**. The end uses listed include:

- EFurn: electric baseboard and electric forced air furnaces and secondary electric heaters
- HPHeat: heat pump electric heat (including from hybrid heating customers)
- Cooling: room and central air conditioners, as well as heat pump cooling
- EWHeat: electric water heaters (including heat pump electric water heaters)
- Lights: indoor lighting
- Ref/Frez: primary and secondary refrigerators and deep freezes
- Other: all other major appliances (stoves, dishwashers, clothes washers and dryers, televisions) as well as smaller appliances such as computers, dehumidifiers, microwaves, etc. This category also includes solar generation (photovoltaic or PV) and EV forecasts.

Figure 34: Residential End-Use Intensities



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The intensity trends are similar to those in prior forecasts. The use of heat pumps for space heating is forecast to increase steadily throughout the forecast period including the conversion of both electric baseboard and non-electric homes. Offsetting this increase is a corresponding decrease in electric baseboard heating. Heat pumps also drive an increase in cooling intensity, but not during periods of peak demand. Electric water heating is expected to increase slowly as saturation increases, mainly due to conversions of non-electrically heated households to heat pumps. Lighting and refrigerators/freezers show a slow decline related to natural increases in efficiency. The forecast in the “Other” category increases towards the end of the forecast period due mostly to increasing EV sales. Supporting data for the residential end-use intensities is included in

Attachment 1.

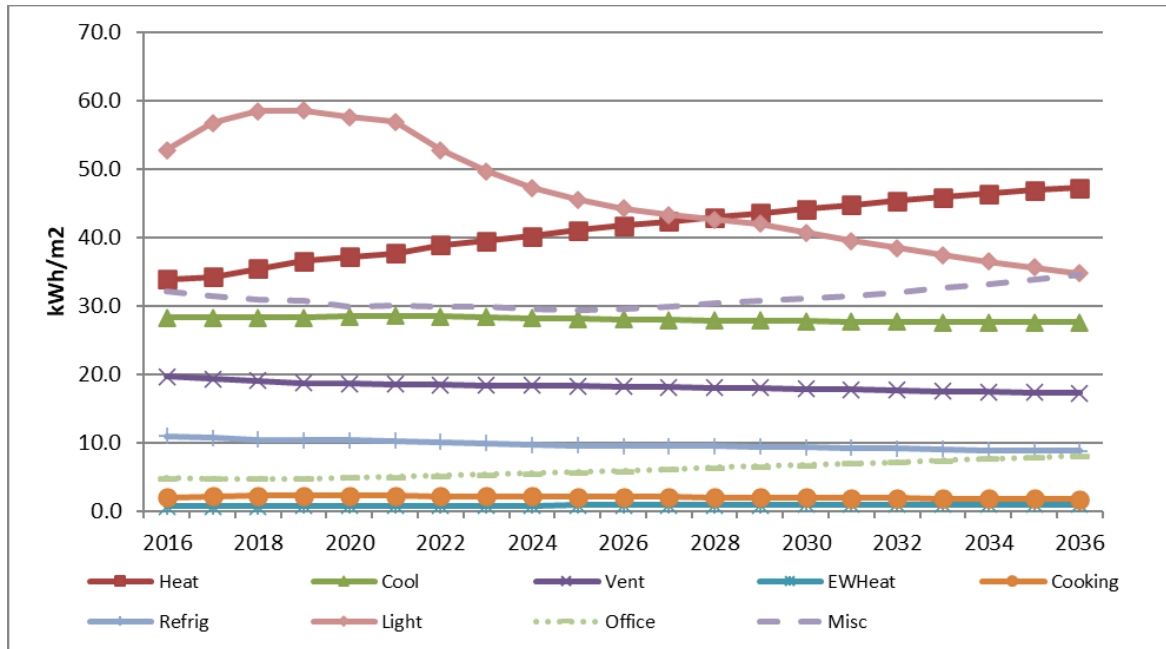
The end-use intensities for the commercial models are done on a per square metre basis, rather than per customer. The forecasts for the end-use intensities are set out in **Figure 35** and

Figure 36 below. The end uses listed include:

- Heat: electric heating
- Cool: air conditioning
- Vent: ventilation
- EWHeat: electric water heaters
- Cooking: electric stoves
- Refrig: refrigerators and freezers
- Light: indoor and outdoor lighting
- Office: computers and printers
- Misc: other loads including motors, servers, escalators, medical equipment, etc. Small scale solar and EV load have also been included in this category.

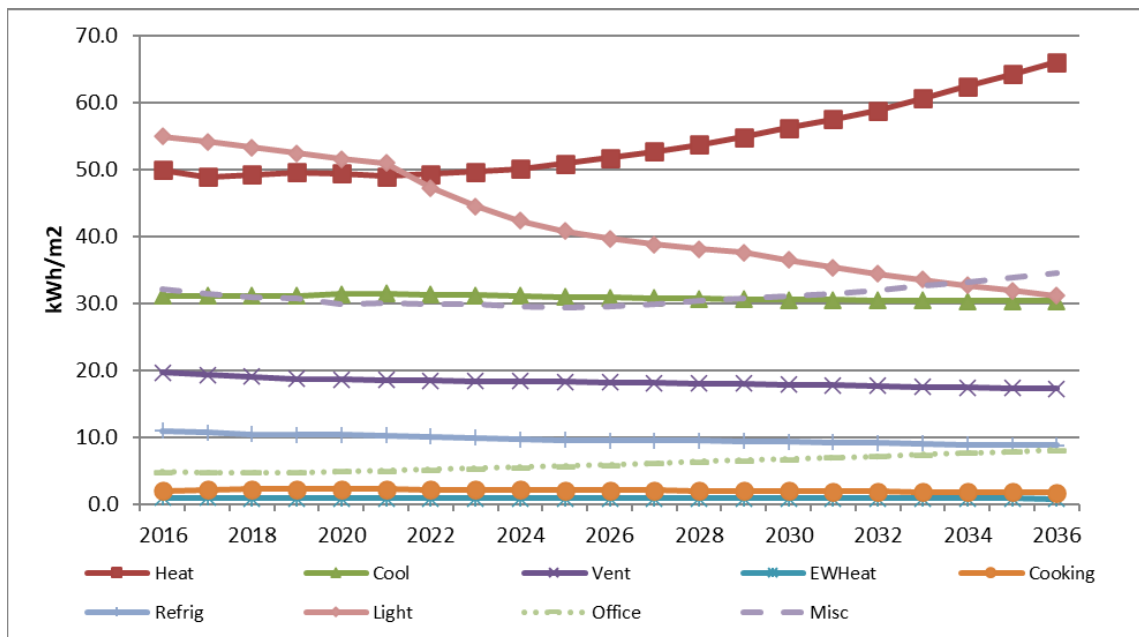
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Figure 35: Historical and Projected Small General Commercial End-Use Intensity (kWh/m²)



Supporting data for Small General commercial end-use intensities is included in Attachment 2.

Figure 36: Historical and Projected General Commercial End-Use Intensity (kWh/m²)



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Supporting data for General commercial end-use intensities is included in **Attachment 3**.

For the 2026 Load Forecast, data from the EIA 2025 Annual Energy Outlook uses updated baseline data (2020 Residential Energy Consumption Survey and 2018 Commercial Building Energy Consumption Survey) compared to the 2025 Load Forecast (2015 Residential Energy Consumption Survey and 2012 Commercial Building Energy Consumption Survey). The net impact of this update on the residential side is a reduction in modelled average energy usage per household, driven primarily by new appliance standards, while the commercial sector sees an increase in average building electric intensity.

4.5.8 Commercial and Industrial Growth

The commercial and industrial sectors are projected to see targeted growth as a result of the federal and provincial push to net-zero emissions and the resulting electrification programs designed to reduce customers' annual energy usage and lower their carbon emissions. These programs involve converting heating loads to electricity (mainly from oil), accelerating the uptake of electric cooling technologies, and examining opportunities to power industrial processes through electrification. Large Industrial customers are evaluated on a case-by-case basis to try to enable the use of electricity while providing benefits to the system (such as through the interruptible rider). Forecasts by class (including new projects in the Large General and Large Industrial classes) are shown in **Figure 37**.

Figure 37: Commercial and Industrial Electrification Forecasts (cumulative)

Year	LrgGen (GWh)	SmInd (GWh)	MedInd (GWh)	LrgInd (GWh)	Coinc. Peak (MW)
2026	1	0	2	1	0
2027	4	1	4	7	1
2028	7	1	4	8	2
2029	8	1	4	8	2
2030	10	1	6	8	3
2031	11	1	9	8	3

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Year	LrgGen (GWh)	SmInd (GWh)	MedInd (GWh)	LrgInd (GWh)	Coinc.1 Peak ² (MW)
2032	13	1	11	8	4 ³
2033	14	1	13	8	4
2034	14	1	13	8	4 ⁴
2035	14	1	13	8	4 ⁵
2036	14	1	13	8	4 ⁶

6

4.6 Price Data

Price data is an input to the SAE forecasts for the residential, small general and general services classes, and the price series is calculated from historical billed sales and billed revenues. Revenue per kWh is first calculated and translated to a real dollar basis; the price variable itself is then derived as a 12-month moving average of the real revenue per kWh series. The 12-month moving average uncouples the current month sales/revenue relationship, smooths out the price series, and provides a reasonable expectation as to how customers respond to price over time.

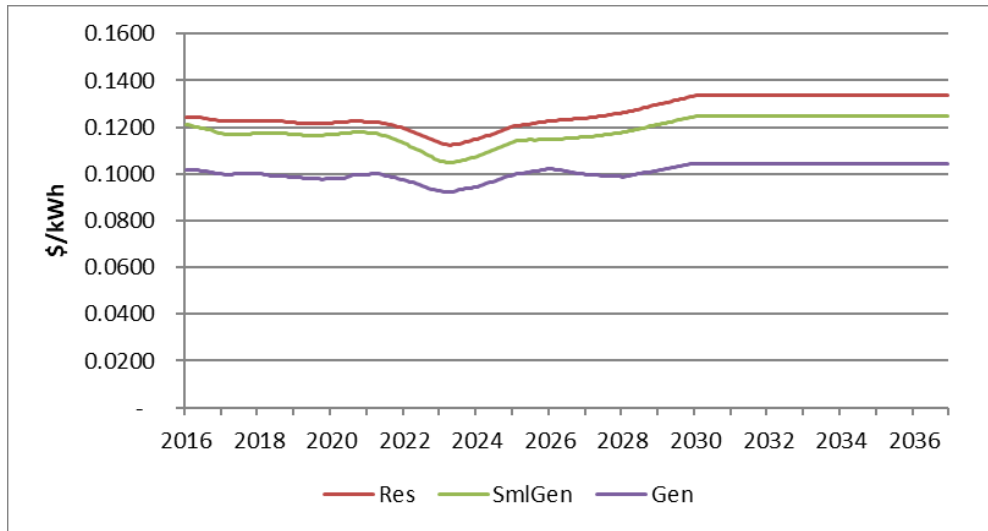
In the forecast period, the nominal price of electricity for 2026 and 2027 is based on the rate changes set out in NS Power's April 7, 2026, GRA Compliance Filing. These changes are provided below in **Figure 38**. Prices are assumed to increase 5 percent on average in 2028 and 2029, with increases of 2 percent per year (approximately inflation) thereafter. **Figure 39** shows price forecasts by class.

Figure 38: Rate Increases (Percent) for 2026 and 2027

Year	Residential	Small General	General Demand
2026	3.1	3.0	-0.5
2027	3.9	3.8	1.0

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Figure 39: Historical and projected real electricity prices (real dollars per kWh)



Prices impact the class sales through imposed price elasticities. The SAE models are estimated using a price elasticity of -0.15. The elasticity in the load forecast model represents changes in consumption behaviour in response to year-over-year price changes. In the SAE model the price elasticity does impact sales, but it is not a large driver compared to other components of the model such as the intensities or inputs like DSM and EVs. Appendix D provides the sensitivity of the forecast to changes in the elasticity value.

4.7 Demand Side Management

Demand Side Management (DSM) continues to play a role in the use of electricity in Nova Scotia, and the forecast takes the projected energy and demand savings into account. For 2026, DSM amounts are based on the supply agreement between E1 and NS Power²⁹ and DSM amounts between 2027 and 2031 are based on E1's 2027-2031 DSM Plan Application, which is currently before the NSEB for approval³⁰. Beyond 2031, DSM amounts are based on E1's 2019 Potential Study³¹ base case scenario. These values are all in line with past assumptions about future DSM.

²⁹ M12249, EfficiencyOne, 2026 DSM Extension, April 30, 2025.

³⁰ M12780, EfficiencyOne, 2027-2031 DSM Resource Plan Application, March 31, 2026.

³¹ M08929, Exhibit N-1, EfficiencyOne, DSM Potential Study, August 14, 2019.

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In 2022, E1’s mandate was expanded to include strategic electrification through amendments to section 79A(b)(iv) of the *Public Utilities Act (PUA)*. Strategic electrification is now included in the DSM definition, as follows:

- (b) "demand-side management" means activities, programs or plans relating to [...]
- (iv) strategic electrification of energy end uses currently powered by fossil fuels in a manner that reduces overall greenhouse gas emissions and electricity costs,

There are currently no strategic electrification initiatives included in the proposed 2027-2031 DSM Plan. However, E1 has indicated that it will carry out strategic electrification development and research over the course of the DSM plan period and will report annually on the research activities and findings as part of its Annual Progress Reports.³² NS Power will use E1’s findings on strategic electrification to inform future load forecasts, as appropriate.

In order to highlight the impact of DSM in the province, the forecast amounts are subtracted from the results of the forecast regression models. As with other jurisdictions and utilities with significant DSM activity, NS Power must address the issue of double counting the impact of DSM savings. The forecast is a regression model based on sales which include past DSM activity, and past DSM also has an influence on other inputs to the load forecast such as price, end-use appliance efficiency and economic variables. Subtracting 100 percent of forecast DSM activities results in a model that understates sales because it has taken DSM into account in both the regression (via the historic data) and in the projected end-use data. The effect of DSM on non-sales related inputs also makes it unrealistic to add historic DSM into past sales to produce a “without DSM” forecast – the impact of DSM would have to also be removed from price, overall appliance efficiency and provincial economics.

To address the issue of double counting, the approach used is the same as that used in prior forecasts: to introduce cumulative historical DSM savings as reported by E1 to the regression

³² M12780, EfficiencyOne, 2027-2031 DSM Resource Plan Application, Evidence, March 31, 2026, page 16.

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model as a load modifying variable and allow the model to determine what level of DSM is already included in other variables. Assuming future DSM activities are similar to historic activities, the coefficient applied to historic DSM will also apply to the forecast DSM. This does not imply that a portion of DSM activities is not taking place or that forecast DSM is overstated; rather, it is a way of accounting for DSM that is captured elsewhere in the forecast. The methodology is not specific to DSM and could be applied to other variables that need to be highlighted in the forecast provided they have similar characteristics (historical trend, potentially included in other inputs, and some information about future impact).

In the Residential model, adding the historic DSM improves the fit of the Residential model (R squared of 0.989 vs 0.988 without the DSM variable, and a mean absolute percent error (MAPE) of 2.26 percent vs 2.28 percent without the variable). By including this variable, the corresponding coefficient, as determined by the regression model, is an indication of the amount of DSM not captured by the other variables. If the coefficient is -1, no DSM is included in other variables, or in practical terms the regression model determined 100 percent of the DSM savings were required to explain the annual change in historical load levels. If the coefficient is 0, 100 percent of the DSM is included in other variables. As can be seen in the Residential model results, the coefficient on the DSM variable is -0.533 (similar to prior values) meaning 46.7 percent of savings are already accounted for in the regression, and 53.3 percent are not captured by other variables, and need to be included in the forecast.

For the Commercial and Industrial classes, a combined model was created to identify the level of DSM already captured by other variables. DSM impacts are not provided for Commercial and Industrial customers by rate class or by month, so by creating a combined model for these classes, the level of uncertainty around allocating historical DSM savings across rate classes and months of the year is reduced. The DSM variable coefficient is similar to prior years: -0.539, meaning future years in the load forecast should be adjusted by 54 percent of the forecast DSM amounts. The adjusted R-squared for the model is 0.85 while the MAPE is 2.68, indicating a good fit overall. **Figure 40** shows the DSM levels (at the generator) incorporated into the forecast.

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Figure 40: Annual Forecast Residential DSM Savings (incremental)

Year	Forecast Residential DSM savings (GWh)	Forecast Commercial DSM savings (GWh)	Forecast Industrial DSM savings (GWh)	DSM captured by Residential end use forecast (GWh)	DSM captured by Comm/Ind end use forecast (GWh)	DSM Adjustment for Residential with Coefficient (GWh)	DSM Adjustment for Comm/Ind with Coefficient (GWh)
2026	40.0	64.6	11.4	18.7	35.0	21.3	41.0
2027	26.1	55.8	38.8	12.2	43.6	13.9	51.0
2028	27.2	43.7	29.1	12.7	33.6	14.5	39.2
2029	27.1	28.9	21.1	12.7	23.1	14.4	27.0
2030	26.6	24.8	18.3	12.4	19.9	14.2	23.2
2031	25.9	22.4	16.4	12.1	17.9	13.8	20.9
2032	73.2	46.8	8.3	34.2	25.4	39.0	29.7
2033	71.3	43.4	7.7	33.3	23.5	38.0	27.5
2034	69.1	44.0	7.8	32.3	23.9	36.8	27.9
2035	66.0	42.5	7.5	30.8	23.0	35.2	26.9
2036	62.9	43.4	7.7	29.4	23.5	33.5	27.5

The methodology used to determine the DSM coefficient only works for levels of DSM that have been relatively consistent throughout the historical data set and does not imply that only a portion of future DSM will impact sales. If forecasts for DSM change significantly then this methodology will have to be revisited. NS Power notes that the DSM amounts between 2027 and 2031 from E1's 2027-2031 DSM Plan Application are lower than historical values, and will assess whether this requires a revision of the current approach once the plan has been finalized.

A breakdown of the impact of DSM by class is provided in **Section 9**.

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4.8 Renewable to Retail

There is currently one Licensed Retail Supplier (LRS) approved to provide service under the RTR tariffs.³³ The service is forecast to produce 500 GWh of energy through wind production when fully operational in 2028, and will serve approximately 420 GWh of load with 12 percent serving residential customers, 58 percent serving commercial customers, 28 percent serving industrial customers, and 2 percent serving unmetered load. The corresponding energy amounts have been subtracted from the forecast starting in 2026 as outlined in **Figure 41**. Although load will be migrating from the various customer classes to the RTR market, part of the energy required to supply those customers will be provided by NS Power as top-up under the Energy Balancing Service tariff (approximately 140 GWh). The peak forecast remains unchanged as NS Power is required to serve the full peak of these customers if needed.

Figure 41: RTR Forecast by Class

Class	2026 Impact (GWh)	2027 Impact (GWh)	2028+ Impact (GWh)
Residential	2	41	49
Small General	0	6	7
General Demand	10	173	207
Large General	2	26	31
Small Industrial	1	13	15
Medium Industrial	3	47	56
Large Industrial	2	37	45
Unmetered	1	8	10
Total	21	352	421

³³ The effective date for sales from a retail supplier to a retail customer to commence under s.3C(1) of the Electricity Act has not been set. As such, a Retail Supplier licence issued by the NSEB included a condition that no sales can occur before the effective date prescribed by the Governor in Council. In addition, it was a condition of the license issued by the NSEB that if no electricity is sold to a customer under the authority of the license by December 31, 2024, the Licensed Retail Supplier must apply to the NSEB to show cause why the licence should not be cancelled at that time (M10293). On April 30, 2024, the Licensed Retail Supplier sought an extension to December 31, 2025, which the NSEB approved on May 30, 2024 (M10293). Then on November 1, 2024, the Licensed Retail Supplier sought an additional extension to December 31, 2026, which the NSEB approved and issued an amended Retail Supplier licence under the Electricity Act, S.N.S. 2004, c. 25, s. 3E(2) on November 12, 2024 (M10293). On September 24, 2025, the Licensed Retail Supplier requested an additional three-month extension to its license to March 31, 2027, which the NSEB approved and issued an amended Retail Supplier licence under the Electricity Act, S.N.S. 2004, c. 25, s. 3E(2) on September 26, 2025 (M10293).

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5. RESIDENTIAL SECTOR

The Residential sales forecast is generated as the product of a residential average use forecast and a customer count forecast. The residential average use model is specified using a SAE model structure and the customer count forecast is based on forecast housing completions. Full details on the residential SAE model can be found in **Appendix B** and in **Attachment 5**. As outlined in **Section 4.5**, projections for EVs and residential solar are added to the modeled load projection. New customers are also added outside of the model. The COVID-19 variable that was added in 2020 is used for the years 2020-2024 but has been removed from 2025 and the forecast years. The variable helps to explain changes in consumption patterns over the 2020-2024 time period, but it is expected that these changes are now sufficiently captured by the other model variables.

Figure 42 shows a breakdown of the different components for 2023 to 2025 actuals vs forecast and weather normalized totals, and the 2026 forecast. Because of issues with billing that arose from the cyber incident, actual sales totals for 2025 are better captured in accrued sales rather than billed sales, so accrued sales totals are therefore used for the year-on-year comparison below (billed sales totals are however also provided for consistency with prior years). On a weather-normalized basis, residential sales grew by 0.9 percent compared to 2024, due to new customer load and an increased number of heat pumps.

Figure 42: Comparison of Forecast to Actuals

Year	2023	2024	2025 (Billed)	2025 (Accrued)	2026
Forecast Sales	4830	5180	5289	5289	5315
Weather variance	-126	-104	+44	+44	
Other variance	+230	-12	-106	-41	
Actual Sales	4934	5064	5227	5292	
Weather-adjusted sales	5060	5167	5183	5248	5315

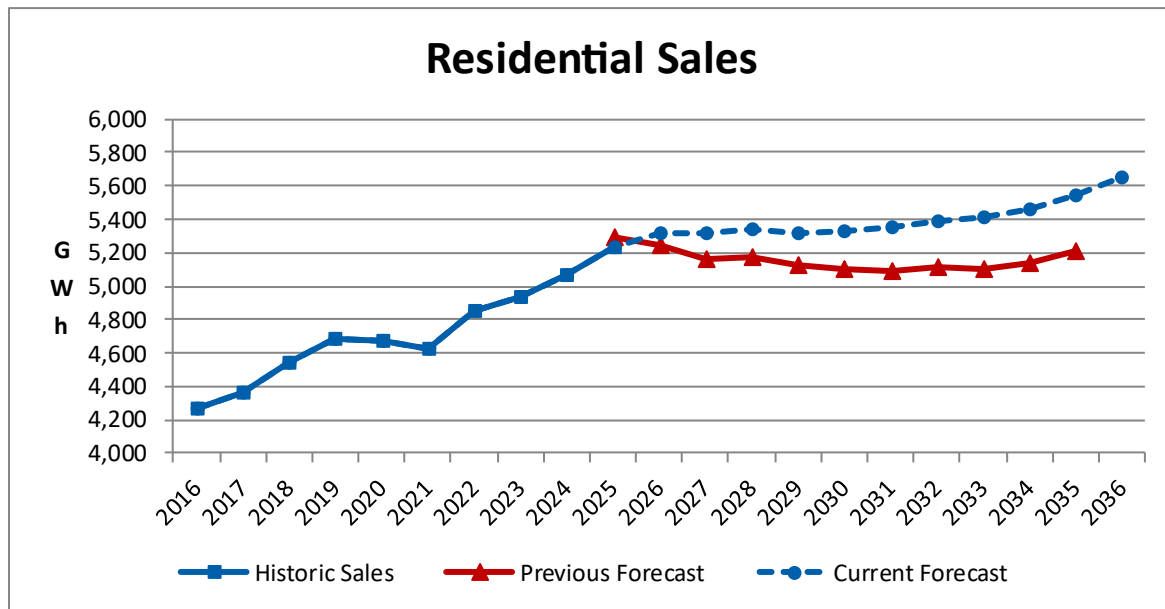
Actual sales in 2025 were very close to forecast. However, colder weather increased sales in the class by 44 GWh, resulting in an “other” variance of -41 GWh. This can be explained by fewer heat pump installs and new customers in 2025 than forecast, as well as less people working from

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home as several large employers in the province implemented back-to-office policies. It is expected that residential sales will continue to increase through 2026, before stabilizing to the end of the decade. By 2031, new customer and EV load, combined with continuing heating electrification, is expected to outweigh the downward pressure of behind the meter solar, DSM, and RTR migration, and sector sales begin to increase again. As with previous forecasts, new customers and increased electric heating will increase sales, while DSM and naturally occurring efficiency improvements will decrease sales over time. Averaged across 2026-2036, forecast residential sales increase 0.6 percent annually.

Historical and forecast annual residential sector loads are shown in **Figure 43**. The class is predicted to grow at a faster rate than in the 2025 Load Forecast owing to the combined effects of less solar generation reducing load, greater EV load, reduced load lost to RTR, lower DSM amounts for 2027 – 2031, and reduced impact from hybrid heating (with impacts only starting in 2028, as opposed to 2026 in the previous forecast).

Figure 43: Historical and Forecast Annual Residential Sales



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1 The forecast for new construction in 2025 was 7,726 units, while actual customer growth was
2 7,111. Nova Scotia's population continues to increase (see **Figure 15**) through immigration from
3 abroad and from other provinces, but with reduced federal immigration targets the forecast from
4 Signal49 is lower than in 2025, with a forecast of 8,600 more people in the province between 2026
5 and 2036 compared to 18,500 over the same period in the 2025 forecast. New housing is expected
6 to be around 57,000 new units by 2036, with 39,400 new multi-unit residences and 17,500 single
7 family homes.

8
9 As in previous years, new customer load is added outside of the model. Single-family homes are
10 assumed to use approximately 14,600 kWh per year on average, while multi-unit homes are
11 assumed to use 4,100 kWh per year on average. These values are the same as in the 2025 Load
12 Forecast, derived from AMI data as explained in the 2025 report.

13
14 In addition to using these annual averages, a structural index was applied that considers building
15 shell efficiency (BSE from the EIA forecast) as well as projected changes in house size. Building
16 efficiency is expected to improve, although based on calibration done in 2013, improvements are
17 expected to be lower in Nova Scotia than in the EIA forecast for New England. While efficiency
18 is expected to increase, house size is also expected to continue increasing, albeit at a slower rate
19 than in previous years. These two factors combined lead to a steady average use per new
20 residential customer. Building shell efficiency, floor area and the resulting structural index are in
21 **Figure 44**.

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Figure 44: Building Characteristics and Structural Index

Year	BSE Heat EIA (New England)	BSE Heat NS	Floor Area (m ²)	Structural Index
2026	0.943	0.994	153.6	1.000
2027	0.937	0.992	153.8	1.000
2028	0.930	0.990	154.0	1.000
2029	0.923	0.987	154.2	0.998
2030	0.915	0.984	154.4	0.996
2031	0.908	0.981	154.6	0.994
2032	0.900	0.977	154.7	0.991
2033	0.894	0.975	154.9	0.990
2034	0.887	0.973	155.1	0.988
2035	0.881	0.971	155.2	0.987
2036	0.876	0.970	155.3	0.986

Figure 45 provides a breakdown of the components of the Residential forecast at the system level. Please refer to **Appendix B** for tables with a detailed breakdown of the changes from 2026 to 2036. The “Hybrid Adjustment” column refers to the adjustment required to the residential energy forecast in order to match the hybrid impact estimated from NS Power’s modelling (as outlined in **Section 4.5.2**).

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Figure 45: Residential Sales Components by Year

Year	Regression Model Output (GWh)	New Cust. (GWh)	Hybrid Adjust. (GWh) ³⁴	Solar Impact (GWh)	EV Impact (GWh)	RTR Sales (GWh)	DSM Adjust. (GWh)	Total Sales (GWh)	Total Res. DSM ³⁵ (GWh)	DSM captured by end uses ³⁶ (GWh)
2026	5,292	61	0	-24	8	-2	-19	5,315	-36	-17
2027	5,299	115	0	-51	19	-41	-32	5,310	-60	-28
2028	5,315	165	-7	-80	36	-49	-45	5,335	-84	-39
2029	5,284	209	-12	-112	59	-49	-58	5,321	-108	-51
2030	5,266	248	-15	-147	95	-49	-70	5,327	-132	-62
2031	5,266	283	-17	-189	146	-49	-83	5,357	-156	-73
2032	5,280	314	-17	-233	215	-49	-118	5,393	-222	-103
2033	5,258	342	-17	-276	302	-49	-152	5,408	-286	-133
2034	5,261	368	-17	-320	406	-49	-185	5,464	-348	-162
2035	5,269	390	-17	-361	529	-49	-216	5,545	-407	-190
2036	5,288	411	-16	-394	653	-49	-246	5,646	-464	-217

Figure 46 provides an approximation of the heat pump heating, heat pump cooling, electric baseboard, and water heater loads at the system level (these are included in the Regression Model Output column). This approximation uses the same methodology as outlined in the response to NSUARB IR-12 (e) from the 2020 Load Forecast, where the end-use intensity is multiplied by the number of existing customers, the appropriate X coefficient from the regression model, and either the HeatUse variable or the CoolUse variable (see **Appendix B** for details of these components). As this assumes that the X variables apply equally to all end uses, which may not be the case, the numbers are illustrative only. These numbers also do not include any DSM amounts that would impact the specific end use.

³⁴ Refer to Figure 25 for a full breakdown of the total modelled hybrid impact.

³⁵ Total DSM is the amount from Figure 40, adjusted for losses and with approximately 0.4 percent allocated to the Municipal class customers.

³⁶ These amounts are embedded in the Regression Model Output column through the end use efficiency estimates (i.e. the amount not captured by the DSM coefficient).

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1 **Figure 46: Illustrative Contribution of Specific End Uses**

Year	HP Heat (GWh)	HP Cool (GWh)	Baseboard Heat (GWh)	Water Heat (GWh)
2026	1157	153	1054	743
2027	1199	160	985	746
2028	1251	166	935	751
2029	1292	173	870	757
2030	1341	179	809	762
2031	1391	186	758	766
2032	1449	193	708	773
2033	1492	199	652	774
2034	1542	206	604	778
2035	1591	212	558	782
2036	1635	218	515	788

2

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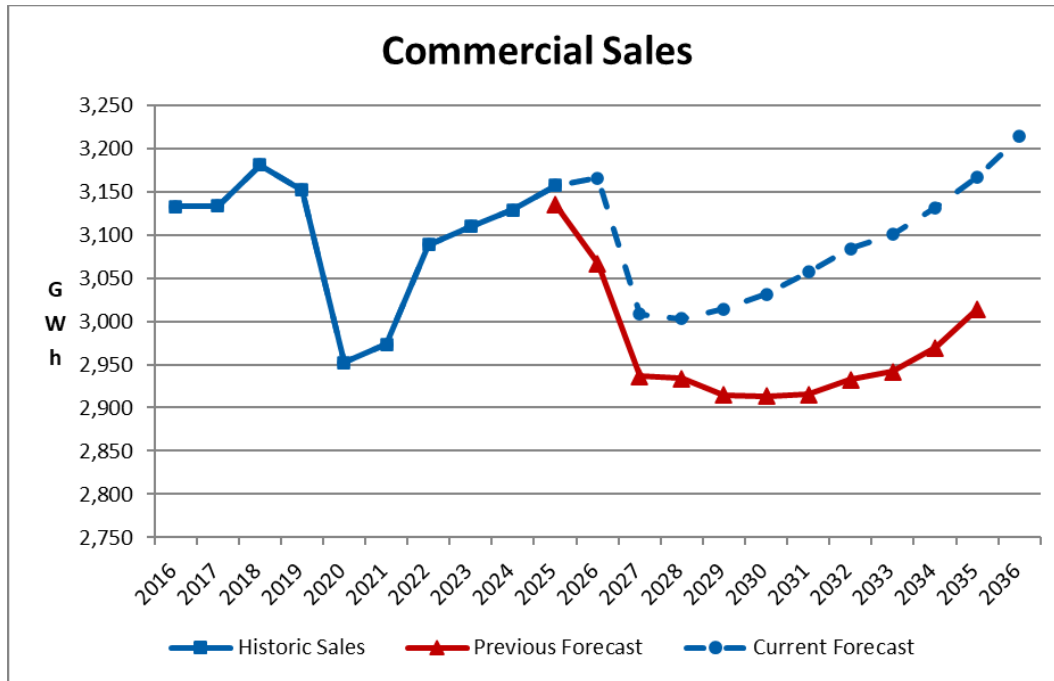
6. COMMERCIAL SECTOR

The Commercial SAE model creates a unique forecast for the Small General and General rate classes. Like the residential model, the commercial SAE models express monthly sales as a function of heating, cooling, and other loads. The Small General forecast is based on a monthly SAE average use model and a separate customer forecast. The General rate class model is estimated on a total monthly sales basis (class level sales vs customer level) where total monthly billed sales is a function of total monthly heating requirements, cooling requirements, and other use. The end-use variables are constructed by interacting annual end-use intensity projections that capture end-use intensity trends, with GDP and employment, real price, monthly HDD and CDD and a variable accounting for the number of days in each month. Employment by sector is used in the commercial intensity models to calibrate the underlying NRCAN data for the Atlantic provinces to Nova Scotia specifically.

A detailed breakdown of the two commercial SAE models is provided in **Appendix B** and in **Attachments 6** and **7**. Although sales were negatively impacted by the COVID-19 pandemic in 2020 and 2021, commercial sales rebounded in 2022 along with the economy and grew in 2023 (though less than forecast). **Figure 47** shows the drop in 2020 and 2021 followed by the rebound in 2022 which continued to 2025. Sales drop in 2026 and 2027 owing to RTR sales migration and rebound in the 2030s due to a combination of heating, cooling, and EV load. Compared to the previous forecast, sales are higher throughout the forecast period due predominantly to less solar generation, greater EV load, and reduced DSM in the period 2027 to 2031. Individual class components are discussed in greater detail below.

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Figure 47: Commercial Class Sales



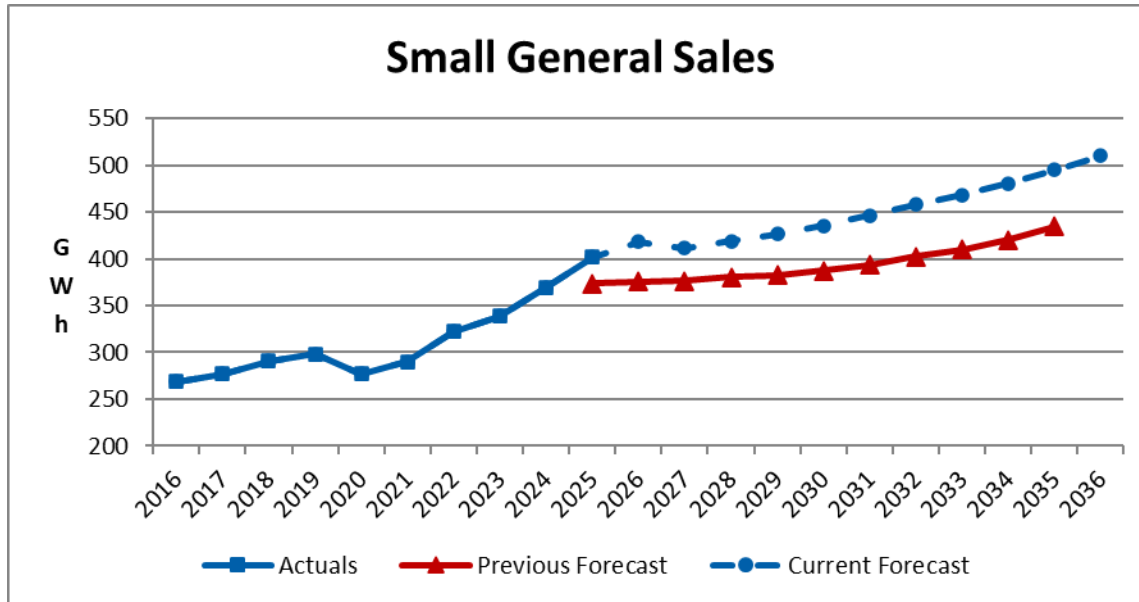
6.1 Small General Service

Historical and forecast Small General service loads are shown in **Figure 48**. Small General service load shows an average annual increase of 2.0 percent compared to an increase of 1.5 percent per year in the 2025 Load Forecast. Total change between 2026 and 2036 is an increase of 22.1 percent. The steady load growth is driven primarily by heating electrification and commercial EV uptake, with a combination of solar generation, decreasing base load (predominantly from efficiency improvements to ventilation and lighting), DSM and RTR moderating the rate of growth. As with recent forecasts, the heating penetration from the residential class was used as the end-use intensities are similar.

This year's forecast averages 12.4 % higher load overall than the 2025 Load Forecast. Multiple factors combine for this increase: Modelled heating, cooling, and other end uses (especially ventilation) are all higher because of large changes in the EIA input efficiencies, contributing around 50 percent of the difference; EV load is higher; and solar is lower.

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Figure 48: Historical and Forecast Annual Small General Sales



Please refer to **Appendix B** for tables with a detailed breakdown of the changes from 2026 to 2036.

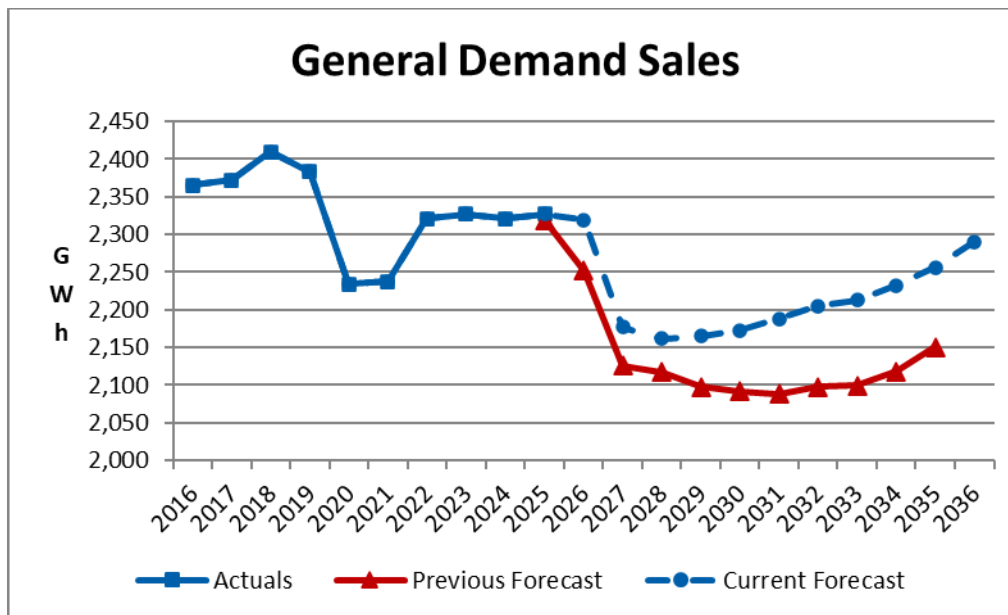
6.2 General Service

Historical and forecast General class sales are shown in **Figure 49**. General class load decreases sharply at the start of the forecast period due to sales shifting to the RTR market (-10 GWh in 2026, -173 GWh in 2027, increasing to -207 GWh in 2028). Load is forecast to then remain relatively stable for a few years as the effects of increased space heating and EV load are offset by DSM programs, solar generation, decreasing base load (driven predominantly by efficiency improvements to ventilation and lighting) and the commercial energy impact of the hybrid heating scenario, with the growth factors beginning to outpace these from the early-mid 2030s. By 2036, General class load is forecast to have recovered to close to 2026 levels.

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The current forecast is very similar to the 2025 Load Forecast in the early period, but load rebounds at a faster rate. The primary causes for this are reduced solar load (-160 GWh in 2036 vs -266 GWh) and increased EV load (310 GWh in 2036 vs 301 GWh).

Figure 49: Historical and Forecast Annual General Demand Sales



Please refer to **Appendix B** for tables with a detailed breakdown of the changes from 2026 to 2036. Total change between 2026 and 2036 is a decrease of -1.2 percent (-29 GWh).

6.3 Large General Service

The Large General class forecast is similar to the 2025 forecast. The forecast uses a combination of customer survey and historical sales information. Customers are surveyed annually to determine their electricity requirements over the next three-year period. In addition, NS Power personnel are in regular contact with key customers within this class. Details on planned production levels or equipment changes help inform energy requirement expectations. In the

For the 2026 survey, one customer indicated no change to consumption, twelve indicated an increase and six did not respond. Growth in this class is expected to be driven by institutional and government facilities, in particular expansions at several hospital sites in the province and defence spending. The forecast for customer growth related to new projects/expansions is provided in **Figure 50**.

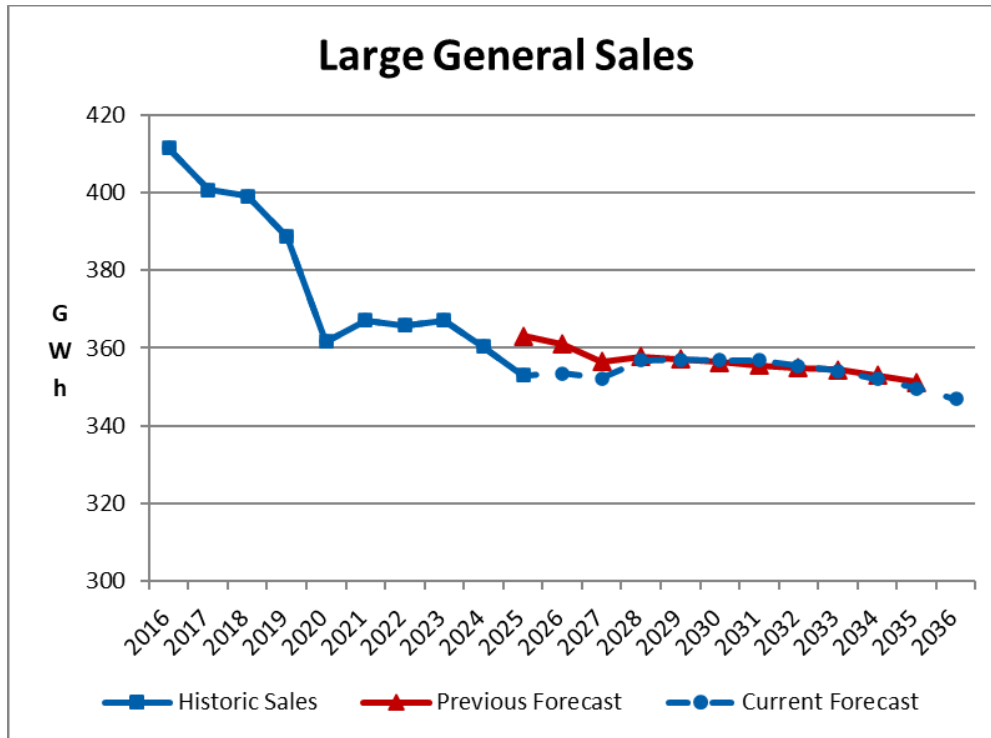
Figure 50: Large General Annual Growth (GWh)

Year	2026	2027	2028	2029	2030
2026 Forecast	1	5	4	1	2

The overall forecast has a decrease of approximately 9 GWh by 2036 as shown in **Figure 51**. The decline is due to DSM outweighing projected growth, and migration to the RTR market (26 GWh in 2027, increasing to 31 GWh in 2028).

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1 **Figure 51: Historical and Forecast Annual Large General Sales**



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7. INDUSTRIAL AND MUNICIPAL SECTORS

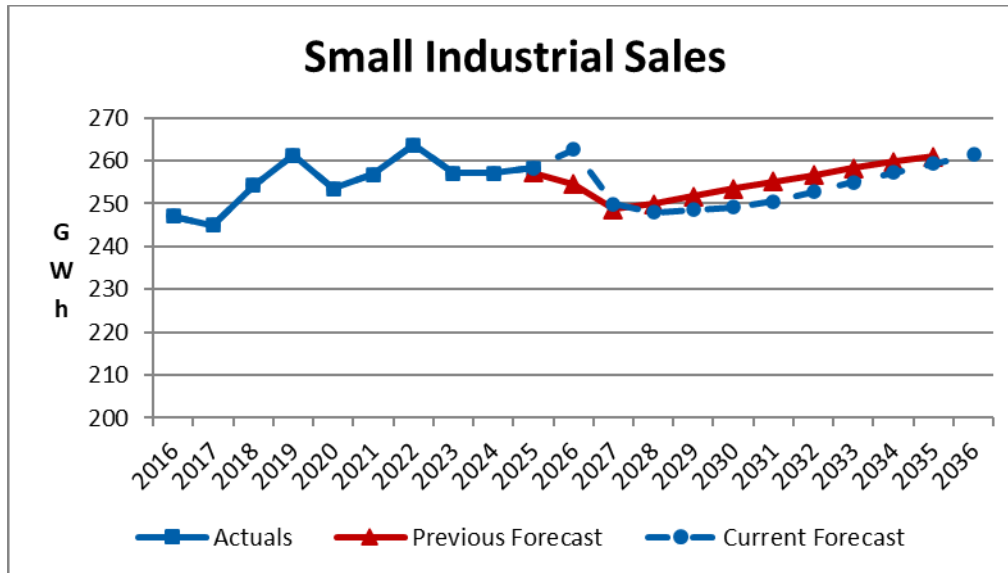
The forecast models for the Small Industrial and Medium Industrial classes are econometric-based models (i.e. dependent on economic variables). Provincial manufacturing GDP is used as the primary economic variable in the Small Industrial forecast and the medium industrial model uses a weighted variable combining both manufacturing GDP and manufacturing employment (this is an update over the 2025 model, which used manufacturing employment only). As outlined in **Section 4.4**, the manufacturing employment variable has also been updated to include employment numbers for manufacturing, other primary industries, and utilities as these are all associated with industrial activity. The Small and Medium Industrial class models are developed using monthly sales information, as opposed to annual sales, in order to align the timeframes of industrial models with those of the residential and commercial forecast models. This is required in order to implement an end-use-based peak forecast for the commercial and residential sectors. Supporting data is included in **Attachments 8 and 9**.

7.1 Small Industrial

Figure 52 depicts historical and projected sales for the Small Industrial class. Sales in this class have been relatively stable for the last 10 years and are projected to remain as such across the forecast period. Migration to RTR decreases class load in 2027 and 2028 (13 GWh in 2027, increasing to 15 GWh in 2028), with underlying economic growth driving a recovery to within 1.5 GWh of 2026 levels by 2036.

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Figure 52: Historical and Forecast Annual Small Industrial Sales

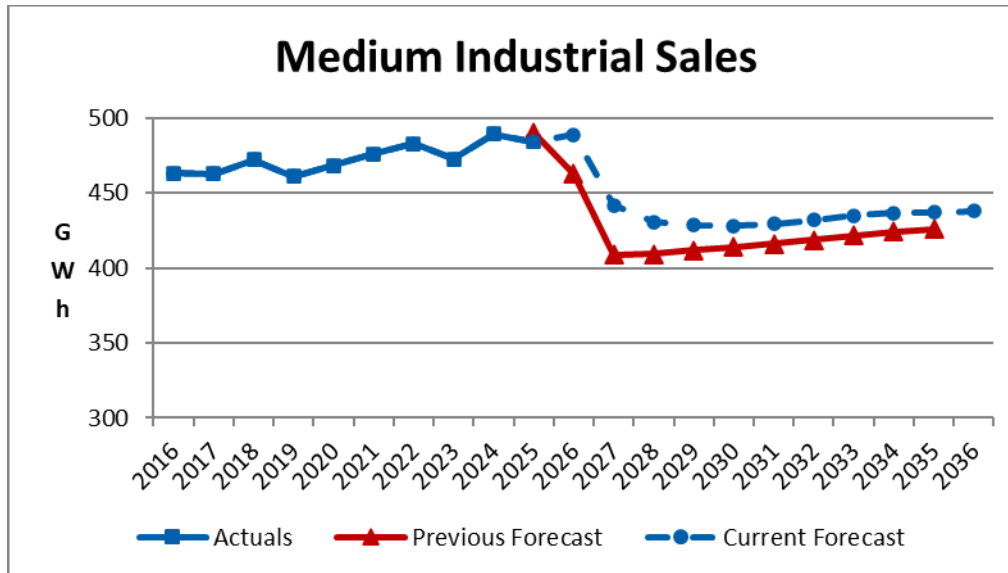


7.2 Medium Industrial

Figure 53 depicts historical and projected sales for the Medium Industrial class. Load in this class has been flat since 2014. There was an increase in sales between 2019 and 2022 due to several new facilities ramping up production and minimal impact from the COVID-19 pandemic restrictions. Sales are expected to decline in 2027 and 2028 as load migrates to the RTR market (47 GWh in 2027, 56 GWh in 2028), resulting in an average decline of 1.1 percent over the forecast period. The 2025 forecast had more sales migrating to RTR (29 GWh in 2026, 84 GWh in in 2027), which is the main difference between the two forecasts. Note that as a result of the updated economic variables used in the Medium Industrial forecast this year (as outlined in **Sections 4.4** and **7.0**), the model now uses a 10 year historic period consistent with the other class models and has an improved statistical significance (adjusted R squared of 0.894 compared to 0.688 in the 2025 model, which was based on a 19-year historic data period).

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Figure 53: Historical and Forecast Annual Medium Industrial Sales



7.3 Other Industrial Rate Classes

Other Industrial rate classes include Large Industrial, Large Industrial Interruptible, Generation Replacement and Load Following, One-Part Real Time Pricing, Shore Power, and the Extra Large Industrial Active Demand Control tariff.

Like the Large General rate class, load for these rate classes is forecast using a combination of customer survey and historical sales information. Customers are surveyed regularly to gather their electricity requirements over the next three-year period. Details on planned production levels or equipment changes help inform expectations on energy sales. In the absence of any survey or general public information, load levels are forecast as being flat. For the 2026 survey, seven said energy consumption would remain the same, eleven indicated consumption would increase, and twelve customers did not respond.

One customer makes up over [REDACTED] of sales within this class, and a drop of around [REDACTED] in their actual load in 2025 compared to forecast accounts for the variance shown in **Figure 54**. Their load is expected to return to normal levels from 2026. Load migration to the RTR market is

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expected to be around 45 GWh by 2028, but this is expected to be offset by additional load from one new customer and operations restarting at another existing customer across 2027 and 2028.

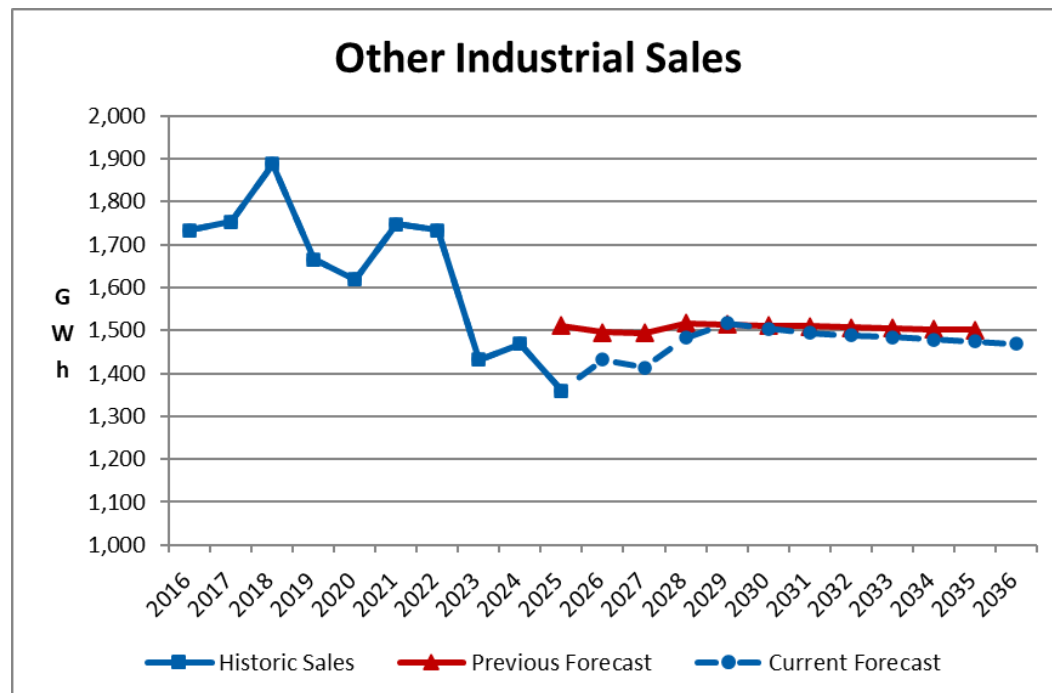
Although discussions with customers have indicated that several new facilities or expansions are expected in various industries in the coming years, there is uncertainty in the timing and magnitude of these changes. The forecast for current customer growth related to new projects/expansions is provided in **Figure 55**.

Figure 54: Large Industrial Annual Growth (GWh)

Year	2026	2027	2028	2029	2030
2026 Forecast	0.8	6.2	0.5	0.0	0.0

Figure 55 shows the historic and forecast sales for the Other Industrial sector.

Figure 55: Historical and Forecast Annual Other Industrial Sales



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1 **7.4 Municipal**

2
3 The Municipal class comprises municipal electric utilities that purchase wholesale electricity from
4 NS Power and distribute it within their own service territories. Utility loads within these
5 municipalities include customers in residential, commercial and industrial sectors. Energy in this
6 class also includes the losses incurred by the municipal utilities in meeting their electricity
7 requirements.

8
9 Since 2007, the municipal electric utilities have been able to source their electricity from providers
10 other than NS Power through the Open Access Transmission Tariff (OATT). Four municipal
11 electric utility customers were sourcing approximately half of their energy requirement from
12 suppliers other than NS Power, and in 2020 increased their energy purchases to 100 percent from
13 third parties, resulting in a reduction in municipal load of about 150 GWh from historic levels.
14 From 2023, these customers have their load served by a combination of in-province generation
15 and either the bundled municipal rate or imported third-party generation in combination with
16 energy under the Wholesale Market Backup/Top-Up (BUTU) Tariff in cases where their third-
17 party supply is unavailable or interrupted. Starting partway through 2026, it is anticipated that the
18 partial service billing arrangements for these four municipal utilities will change whereby most of
19 the municipal utilities' demand for energy will be supplied directly from their wind facility. This
20 will result in a significant reduction in their energy purchases under the bundled service Municipal
21 load (expected to decline from around 120 GWh to 45 GWh for all the municipal customers) and,
22 in parallel with this, an increase in the energy purchases under the BUTU Tariff (expected to
23 increase from around 25 GWh to 79 GWh).

24
25 Because NS Power is required to provide back-up capacity, including reserve margin, to the
26 municipal electric utilities taking third-party supply in the near term and must continue to plan for
27 serving these customers in the long term, the full amount of the municipal electric utilities' peak
28 demand is included in the Load Forecast.

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8. SYSTEM LOSSES AND UNBILLED SALES

The difference between energy generated for use within provincial borders and the total NS Power billed sales comprises transmission and distribution system losses as well as changes to the level of unbilled sales. Energy generated and sold but not yet billed is referred to as “Unbilled” sales. System losses averaged 6.8 percent of NSR over the past five years and are forecast to remain in the 6.0 to 7.0 percent range over the 10-year forecast period.

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9. NET SYSTEM REQUIREMENT

The NSR is the energy required to supply the sum of residential, commercial, and industrial electricity sales, plus the associated system losses, within the province of Nova Scotia. Loads served by industrial self-generation, exports, and transmission losses associated with energy exports are not included. **Figure 56** provides a breakdown of the significant variances between forecast and actuals for 2025.

Figure 56: 2025 Variance to Actual

	Res	Comm	Ind	Other	Losses	NSR
2025 Forecast	5,289	3,135	2,258	148	777	11,607
Est. Weather Impact	+44	+9		+1	+5	+59
Large Customer New Projects		-3	-2			-5
Large Customer Actuals		-3	-153			-156
Unexplained Variance	-41	+23	-5	+1	-14	-36
2025 Actual	5292	3,161	2,098	150	768	11,469

Note that the largest variances are due to weather and the variance in large customer actuals (REDACTED of which is related to a single customer). Unlike 2022 to 2024, 2025 was slightly colder than average, with 3,698 HDD compared to the 10-year average of 3,684, and 103 CDD compared to the 10-year average of 119. The weather impact captures both the variance in heating load in the winter months and the variance in cooling load during the summer.

From 2026 to 2036, NSR is forecast to increase at an average of 0.4 percent per year, with growth driven by new customers, space heating and EV adoption, and with solar, DSM and RTR migration offsetting sales. Annual NSR is shown below in **Figure 57**. Forecast NSR values and the contribution to NSR from the different sectors can be found in **Appendix A**. Compared to the 2025 Forecast, NSR is higher across the forecast period, due predominantly to decreased solar generation and greater EV penetration (as discussed in previous sections). By the end of the period, the current forecast is 4.5 percent greater than the previous forecast.

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Figure 57: Historical and Forecast Annual NSR

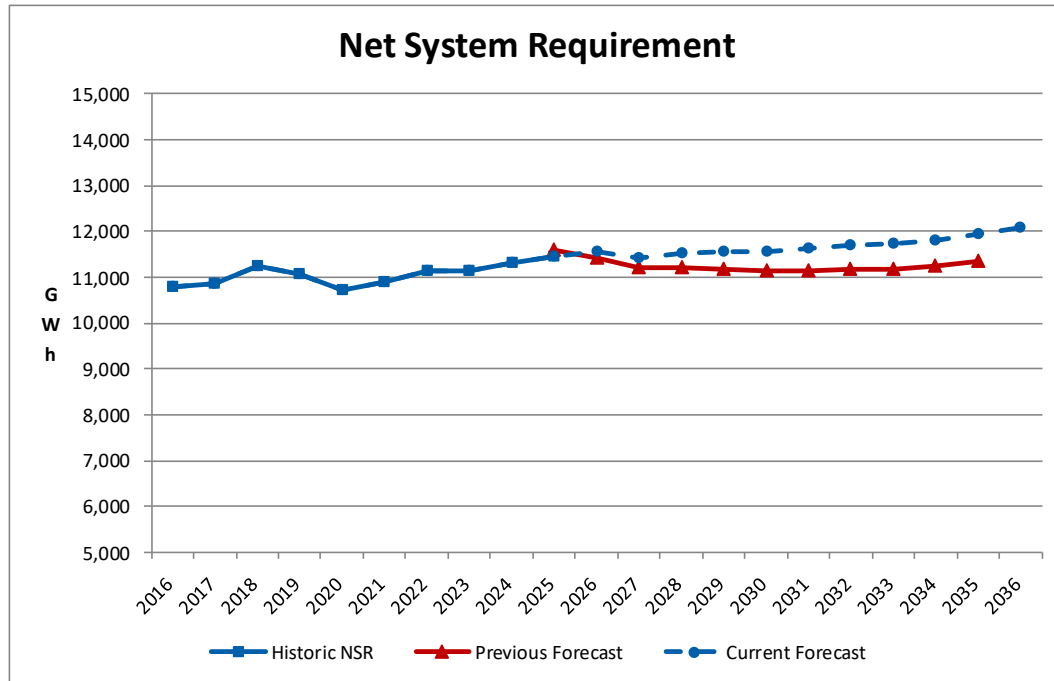


Figure 58 provides a breakdown of the various components of the change in the forecast from 2026 to 2036. Data for all classes is included in **Attachment 4**.

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1 **Figure 58: Forecast Components**

GWh	Res	Comm	Ind	Other	Losses	NSR
2026 Forecast	5315	3165	2183	131	781	11575
Model	-2	275	27	2	78	381
New Customers	350	39				389
Solar	-370	-171				-540
EV	645	373				1018
C&I Electrification		14	20			34
Large Customer Projects		33	186			219
Hybrid Model Adjustment	-16	-75				-91
RTR	-49	-242	-117	128 ³⁷		-280
DSM	-227	-198	-131	-3	-49	-607
2036 Forecast	5646	3213	2168	259	810	12097
Total DSM forecast	-406	-387	-147	-5	-74	-1018
DSM captured in underlying models	-179	-189	-17	-2	-25	-411

2

³⁷ This corresponds to the portion of energy provided by NS Power as top-up under the Energy Balancing Service tariff (as outlined in **Section 4.8**).

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1 **10. PEAK DEMAND**

2
3 The total system peak is defined as the highest single hourly average demand experienced in a
4 year. It includes both firm and interruptible loads. Due to the weather-sensitive load component
5 in Nova Scotia, the total system peak occurs in the period from December through February.

6
7 Since 2015 NS Power has employed an end-use approach to deriving the peak forecast for the non-
8 large customer classes of Residential, Small General, General Demand, Small Industrial, Medium
9 Industrial and Unmetered (note, in previous forecasts these classes have been referred to together
10 as “accrued classes”). The breakdown of energy into heating, cooling, and other load components
11 from the energy SAE forecasts for these classes is used as an input into the peak forecast. This
12 allows for the impact of changing heating and cooling requirements, which drive the peak in most
13 months, to be reflected in the peak forecast (but does not provide details of the specific underlying
14 end uses). Details about the peak forecast model can be found in **Appendix B** and in **Attachment**
15 **10**. The peak contribution from large customer classes continues to be calculated from historical
16 coincident load factors for each of the rate classes, and the large customer class forecast is added
17 to the non-large customer class forecast to obtain the total system peak.

18
19 **10.1 Peak Model Modifications**

20
21 The 2026 Forecast sees a modification to the peak model used in previous years to account for
22 conditions that produced the 2026 system peak, which occurred at hour ending 1800 on Sunday
23 25th January 2026. With a value of 2459 MW, this is the highest recorded to date. Unlike the
24 previous highest peak, which occurred on February 4th 2023, the 2026 peak was not characterised
25 by extremely low temperatures; instead, what made this peak unique was that it coincided with a
26 prolonged cold spell. This is evident from a comparison of 12-hour vs 24-hour average lagged
27 peak temperatures: it is the 24-hour value where the January 2026 peak stands out historically
28 (**Figure 59**).

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Figure 59: Average peak lag temperature records

Coldest 24-h lag average (Jan 2000 – Jan 2026)			Coldest 12-h lag average (Jan 2000 – Jan 2026)		
Rank	Date	24h lag average (° C)	Rank	Date	12h lag average (° C)
1	Jan 25 th 2026	-15.11	1	Feb 4 th 2023	-21.61
2	Feb 4 th 2023	-15.09	2	Feb 15 th 2020	-15.84
3	Jan 12 th 2022	-14.59	3	Jan 12 th 2020	-15.53
4	Feb 5 th 2023	-14.26	4	Jan 16 th 2017	-15.34
5	Feb 15 th 2020	-13.87	5	Dec 16 th 2016	-15.07
6	Dec 17 th 2016	-13.81	6	Jan 25 th 2026	-14.94

The 24-hour lag temperature is therefore introduced as a peak producing weather variable in the peak model, as follows:

$$\text{Peak Day Temperature} = 0.8 * (12\text{-hour lag temperature}) + 0.2 * (24\text{-hour lag temperature})$$

Greater weighting is given to the 12-hour lag temperature given its explanatory power in past peaks, with the exact weightings determined through iterative testing. This leads to an improved prediction (lower unexplained variance) of the January 2026 peak when compared to the peak model used in the 2025 Load Forecast (but with updated inputs to account for 2025 and January 2026 data), as is shown in **Figure 60**. During the April 7, 2026 session, stakeholders requested that NS Power carry out a high-level sensitivity analysis using 36- and 48-hour lag temperatures in place of the 24-hour value, to evaluate whether these lag temperatures impacted the peak prediction or model fit. NS Power did so and determined that using the 36- and 48-hour lag temperatures neither improved model fit overall compared to using the 24-hour lag temperature (no improvement in model R² value), nor gave closer prediction of the January 2026 peak value.

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Figure 60: Comparison of modelled 2026 peaks

	Using peak model from 2025 Load Forecast, with updated input data (MW)	Using improved peak model from this Forecast (MW)
2026 Forecast Peak	2,442	2484
Interruptible	-42	-42
Weather (-14.9°C 12hr lag avg, -15.1°C 24hr lag avg)	+38	+38
Wind (14.1 km/h daily avg)	-16	-16
Morning peak impact (estimated)	0	0
Weekend peak	-41	-41
Unexplained	+78	+36
2026 Actual Peak	2,459	2459

Because of the peak model update, the coefficients used for peak normalization have also been updated from the previous forecast. As in prior forecasts, the regression model used for peak normalization is based on the weather inputs used in the peak model (lagging 12- and 24-hour temperatures as well as windspeed) along with a variable for day of the week. Hourly system load for the years 2022 to 2025, exclusive of large customer load, is the dependent variable. Model details are provided in **Figure 61**, and the resulting coefficients used for peak normalization are described in **Figure 62**.

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Figure 61: Peak Normalization Regression Model Details

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.81801092
R Square	0.66914186
Adjusted R Square	0.66905068
Standard Error	143.091653
Observations	14520

<i>ANOVA</i>					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	4	601065795.8	150266449	7338.94	0
Residual	14515	297197835	20475.221		
Total	14519	898263630.8			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	1419.85441	3.586090102	395.93384	0	1412.82522	1426.8836	1412.82522	1426.8836
Wind	3.37828423	0.197618379	17.09499	7E-65	2.99092703	3.76564144	2.99092703	3.76564144
12hrLag	-35.1057294	0.35488133	-98.92245	0	-35.801342	-34.4101168	-35.801342	-34.4101168
24hrLag	-2.86370325	0.353258208	-8.106544	5.6E-16	-3.55613436	-2.17127215	-3.55613436	-2.17127215
Weekdays	41.4298405	2.545256524	16.277275	4.8E-59	36.4408134	46.4188677	36.4408134	46.4188677

Figure 62: Peak Normalization Regression Coefficients

Coefficient	Value	Description
Weekdays	41.4	Peaks that occur on weekdays will be 41.4 MW higher than those on weekends, all else being equal.
Wind	3.4	Average daily windspeed will add 3.4 MW for every 1km/hr. 10 year average is 18.8 km/hr on peak days.
12hrAvgLag	-35.1	12 hour lagging average of temperature, for a drop of 1 degree Celsius the peak will increase 35.1 MW.
24hrAvgLag	-2.9	24 hour lagging average of temperature, for a drop of 1 degree Celsius the peak will increase -2.9 MW.

The peak contribution from large customer classes continues to be calculated from historical coincident load factors for each of the rate classes, and the large customer forecast is added to the accrued class forecast to obtain the total system peak.

10.2 Analysis of the 2025 Peak

The 2025 system peak occurred at hour ending 8am on Thursday, February 6, with a 12-hour (24-hour) lagging average temperature of -12.1°C (-11.0°C) and a daily average windspeed of 7.4

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km/h. The recorded peak was 2,267 MW with a firm peak of 2180 MW. **Figure 63** provides a breakdown of actual system peak compared to the forecast for 2025, using the variables from the previous load forecast.

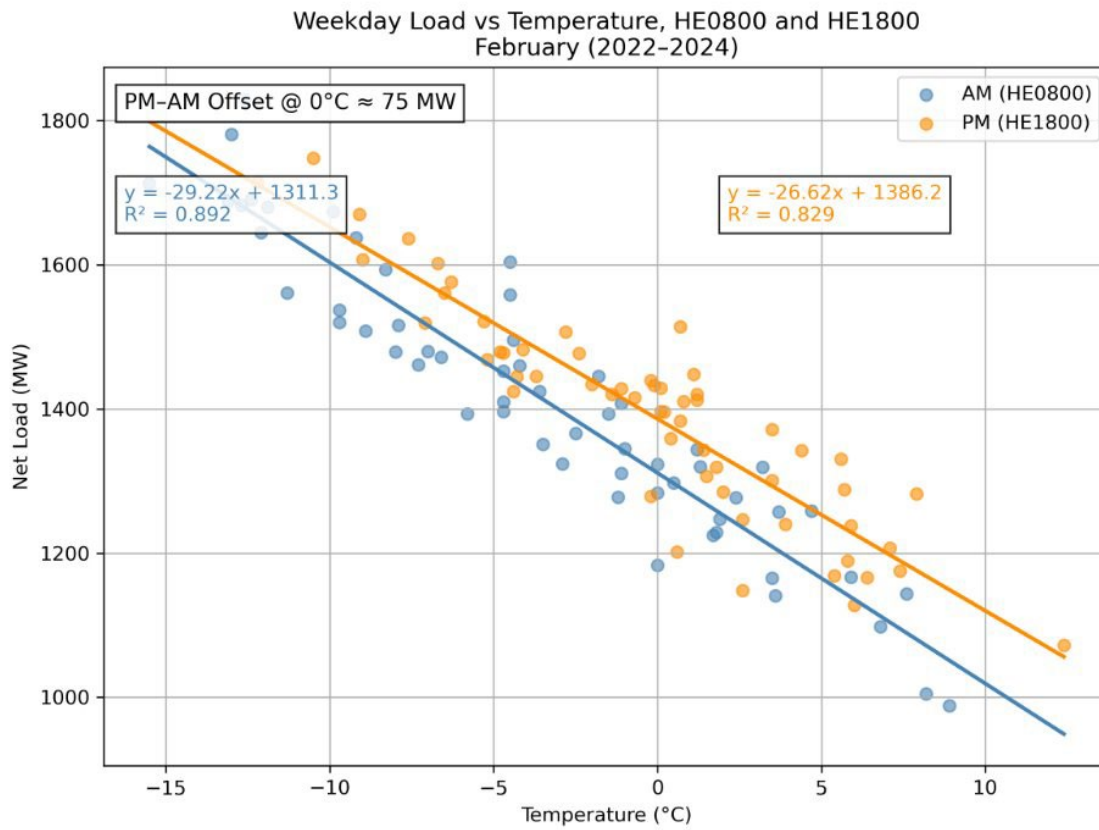
Figure 63: Forecast Peak Variance vs Actuals

	MW
2025 Forecast Peak	2,403
Interruptible	-45
Weather (-12.1°C 12hr lag avg, -11.0 24hr lag avg)	-83
Wind (14.1 km/h daily avg)	-16
Morning peak impact (estimated)	-75
Unexplained	+83
2025 Actual Peak	2,267

The interruptible load variance of -45 MW represents the difference between forecasted peak load associated with the interruptible customers (132 MW in the 2025 forecast) compared with their estimated total load at the time of system peak (87 MW). The variance is largely the result of -54 MW related to [REDACTED]. The morning peak impact of -75 MW is estimated by comparing load vs temperature series for 8am (the time of peak) and 6pm (the time of peak in the forecast) for load data from January, February and December 2022 to 2024 (weekdays only). The linear trend line for each data series shows the underlying shift (as shown by the difference in the intercepts of the equations) between a morning and an evening peak given similar temperature. The details of the differences are not evident from this analysis, but all else being equal a morning peak would be expected to be lower than a temperature-equivalent evening peak by around 75 MW in February. This difference is around half of what is observed for the January and December peaks and primarily reflects the much smaller change in lighting demand between 8 am and 6 pm in February. The two series, by month, are shown in **Figure 64**.

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1 **Figure 64: Morning vs Evening Peak Difference**

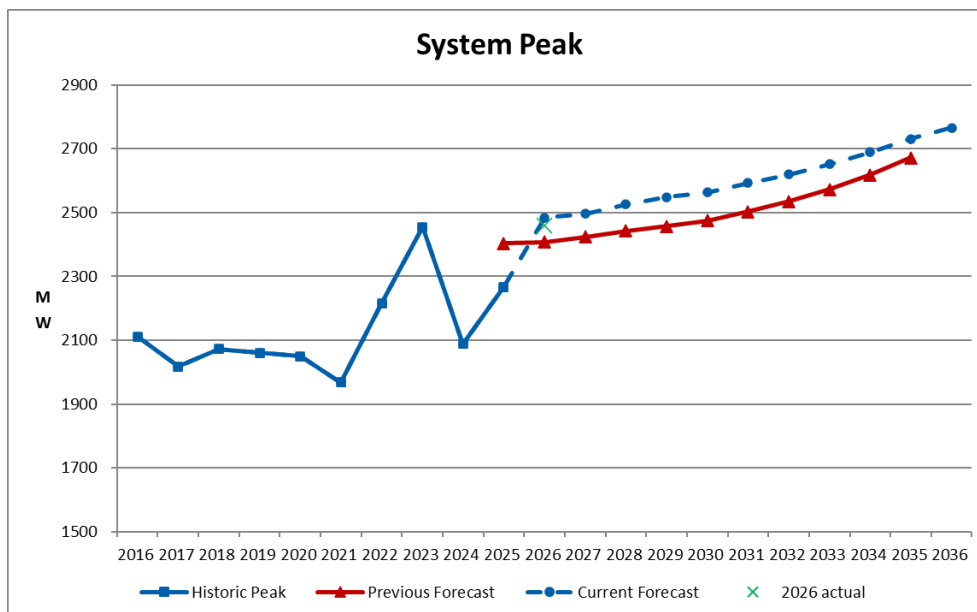


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10.3 Peak forecast for 2026-2036

The forecast system peak for 2026 to 2036 is shown in **Figure 65**, and is expected to increase by 1.1 percent annually. The peak is 3.1 percent higher than the 2025 forecast in the near term owing to the model improvements discussed in **Section 10.1**, the difference decreasing to 2.2 percent by the end of the forecast period.

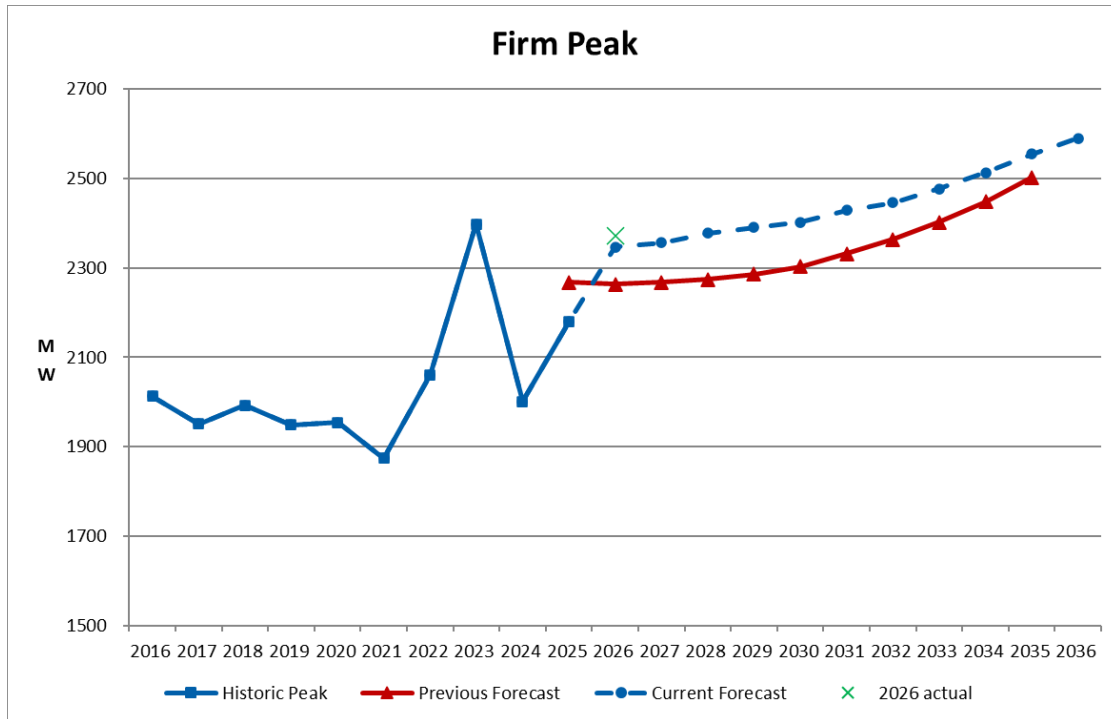
Figure 65: Historical and Forecast System Peak (no DR)



As indicated in **Figure 66**, the firm peak (system peak less interruptible and DR) is expected to increase by 1.0 percent annually.

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Figure 66: Historical and Forecast Firm Peak (including DR)



Forecast peak values, firm peak and interruptible peak information can be found in **Appendix A**.

Normalizing the firm peak for temperature, wind and weekday/weekend (and for lighting load in 2019, 2023 – 2025), the historic trend shows a better fit with the forecast peaks as shown in **Figure 67**.

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Figure 67: Weather-Normalized Firm Peak (including DR)

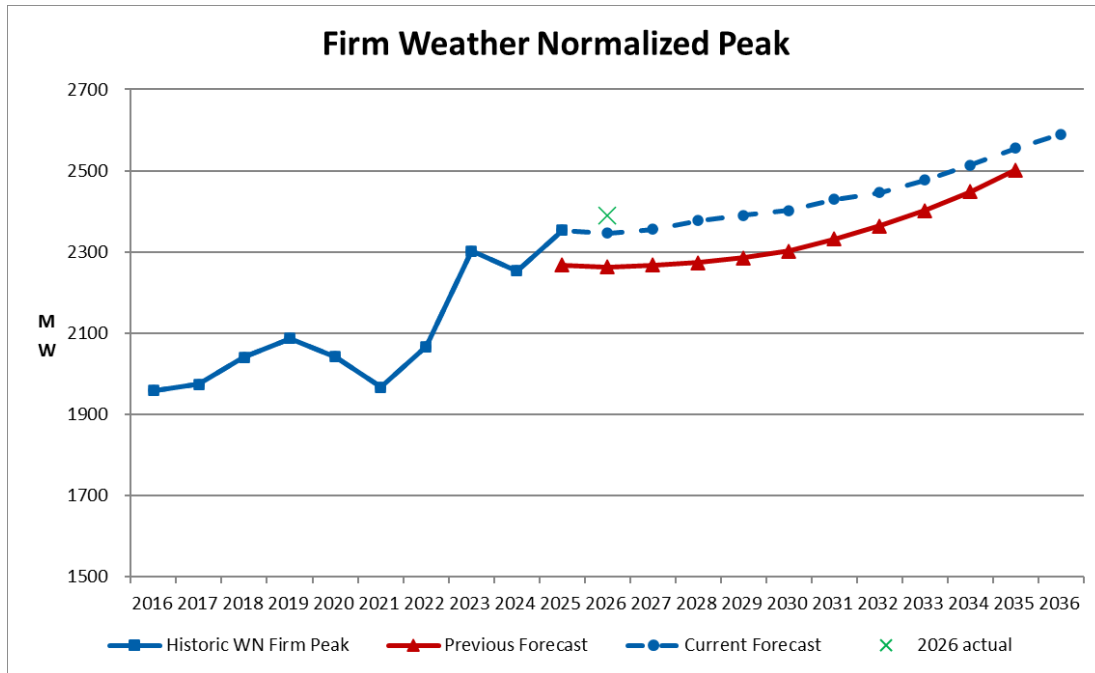


Figure 68 below shows the breakdown of the peak forecast by the various components.

Figure 68: Peak Contribution Components (MW)

	Modeled Peak (MW)	Res Heat (MW)	EV (MW)	DR (MW)	Hybrid (MW)	C&I Elect. (MW)	Large Cust. (MW)	DSM (MW)	Firm Peak (MW)	Inter. Cust. (MW)	System Peak (MW)
2026	2,261	2	3	-8	-	0	99	-12	2,346	130	2,484
2036	2,448	14	171	-37	-6	4	110	-121	2,583	145	2,765
2036 (max non-coincident EV peak)	2,433	14	247	-37	-6	4	110	-121	2,659	145	2,841

Modeled peak is the end-use forecast portion that represents the peak contribution of the Residential, Small and General Demand, Small and Medium Industrial, and Unmetered classes, as well as losses. The contributions of the various growth programs discussed in the End-Use Trends section (Section 4.5) are then added (including their associated losses), as well as large customer and interruptible customer contributions, and finally DSM. As discussed in Section 4.5.4, the EV

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contribution to peak is expected to be partially mitigated via utility managed charging. The firm peak assuming the current non-coincident residential EV peak value of 0.5kW/vehicle and that commercial charging does not include peak mitigation (total average of 1.2 kW/ vehicle) would grow at 1.4 percent per year, and the overall impact in 2036 would be to add approximately 76 MW to the peak compared to the base assumptions. The space heating contribution to peak based on hybrid modeling (as discussed in **Section 4.5.2**) is mostly represented in the modeled peak; only a small calibration is required to achieve consistency with the NS Power (residential) and E3 (commercial) modelling results.

10.4 Peak Mitigation

As with previous Load Forecasts, the 2026 Load Forecast accounts for the peak mitigation associated with hybrid heating and planned DR activities. For 2026, the impact of the hybrid heating scenario modeled by NS Power for residential customers (see **Section 4.5.2**) is included, while for commercial customers the impact of the hybrid heating scenario modeled by E3 (see **Section 4.5.2**) and used in the current Evergreen IRP models continues to be included (refer to **Figure 77**). DR amounts included in the forecast are for the individual programs modelled in 2022 Evergreen IRP: Direct Load Control (DLC), Time Variable Pricing (TVP) and business, non-profit and institutional (BNI) Curtailment. These amounts have been updated based on E1's approved DSM extension for 2026³⁸ and proposed 2027-2031 DSM Plan Application, which is currently before the NSEB for approval³⁹. For 2032 and beyond, the DR amounts revert to the achievable potential of these programs that was used in the 2022 Evergreen IRP. NS Power's IRP Action Plan targeted 75 MW of capacity for DR deployment by 2025, but this estimate has been moved back to 2033 in the Load Forecast to align with the current program development and expected ramp-up for both E1's demand response portfolio (Residential DLC and BNI Curtailment) and CPP. As with the 2025 Load Forecast, no specific peak mitigation for at home charging of EVs is included in the forecast, since the peak contribution of EVs is based on actual charging behaviour (see **Section 4.5.4**).

³⁸ M12249, EfficiencyOne, 2026 DSM Extension, April 30, 2025.

³⁹ M12780, EfficiencyOne, 2027-2031 DSM Resource Plan Application, March 31, 2026.

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DR forecasts continue to use an effective load carrying capacity (ELCC) of 48 percent to account for the contribution of DR in supporting (or in this case, reducing) the capacity needs on the system to meet the reliability standard (peak load plus additional planning reserve to address impacts of extreme weather or other system contingencies), however this value will be reassessed as part of the ongoing ELCC study. The ELCC study scope identified DR as one of the areas of focus for the next ELCC study “using program details and measured results from NS Power’s (CPP and TVP) and E1’s current demand response programs.”⁴⁰ This study is currently underway and will be completed in early Q2.

Annual DR totals by program are provided in **Figure 69**.

Figure 69: Demand Response

Year	Direct Load Control (MW)	TVP Rate (TOU and CPP combined, MW)	Business, Non-Profit & Industrial Curtailment (MW)	Total (MW)	Total with ELCC (MW)
2026	5	0	12	16	8
2027	4	3	17	24	11
2028	4	5	19	29	14
2029	4	9	21	35	17
2030	4	15	23	42	20
2031	4	21	26	50	24
2032	39	26	6	71	34
2033	38	30	6	74	36
2034	38	32	6	76	37
2035	38	33	6	77	37
2036	38	34	6	78	37

A pilot project was completed in 2021 and 2022 in conjunction with E1 to investigate direct load control through water heater controls. 201 water heater controllers were procured and installed in residential homes, and testing was completed to demonstrate the benefit of utility-managed load shift events. Results from the pilot, as presented in E1’s 2023 Demand Response Program Final

⁴⁰ M11307, NS Power 2023 Evergreen Integrated Resource Plan – Action Plan and Roadmap, Effective Load Carrying Capacity (ELCC) Study Scope Memo, February 6, 2025, page 2.

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Report,⁴¹ indicated that the average available DR capacity per controller during the utility winter peak period is 385 W. Results indicated that capacity tends to be lower during the last hour of a four-hour event. Results also indicated that available DR capacity per controller during mornings and evenings were 430 W and 359 W, respectively. This pilot project was put on hold for the 2023/2024 season following the removal of the installed hot water controllers due to a quality review triggered by defective controllers. New controllers were received in 2024, and installations resumed through E1's Efficient Product Installation Program. 1,002 controllers were available in the program at the end of the 2024/2025 Eco Shift season.⁴² E1 integrated this pilot project into the Eco Shift program for the 2024/2025 season.

NS Power's ongoing collaboration with E1 on the Eco Shift Residential Demand response program continued in 2025, involving direct control of residential smart thermostats, EVs, EV chargers, and home batteries. The program was initially launched in December 2023 with the recruitment of eligible smart thermostats, EVs, and EV chargers was completed. The residential DR Program achieved 0.1 MW of available capacity for the 2023/2024 season through the Eco Shift Pilot. The 2024/2025 Eco Shift season (December 1, 2024, to February 28, 2025) included the addition of hot water heater controllers (as discussed above), heat pump controllers and residential batteries. In the winter 2024/2025 season ending Feb 28, 2025, the residential Eco Shift program was evaluated to deliver 0.854 MW of available capacity, versus a target of 7.135 MW.⁴³ Results from winter 2025/2026 are still being evaluated.

NS Power also worked with E1 on a two-phase pilot project to investigate automatic and manual control of various loads for commercial and industrial (C&I) customers, ultimately becoming E1's Smart Synergy BNI Demand Response program. Customer recruitment was scaled up during 2023 for the 2023/2024 winter season, with the addition of 67 customers. Results from the winter 2023/2024 season, as presented in E1's 2024 DSM Programs Evaluation Report,⁴⁴ indicated total

⁴¹ 2023 DSM Programs Evaluation Reports (M11630), March 28, 2024, Demand Response Program Final Report, Table 7, p.8.

⁴² 2025 DSM Programs Evaluation Reports (M12780), March 31, 2026

⁴³ 2025 DSM Programs Evaluations Reports (M12780), March 31, 2026

⁴⁴ 2024 DSM Annual Progress Report (M12186), March 31, 2025.

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1 available DR capacity at the generator of 8 MW for the 76 participating C&I customers. In the
2 2024/2025 season, DR capacity at the generator was evaluated at 5.941 MW over 158 customers
3 total versus a target of 10.726 MW (45 percent below target).⁴⁵ Results from the winter 2025/2026
4 season continue to be evaluated.

5
6 As E1 continues to progress its DR programs, data collected will be used to inform forecast
7 assumptions. Learnings from these programs will be incorporated in future Load Forecasts. The
8 impact of these initiatives, at least within the 10-year timeframe of this forecast, is expected to fall
9 within the sensitivity analysis provided in **Section 11**. Like the interruptible load, DR programs
10 are a resource that can be called upon if required, but they will not inherently reduce demand. In
11 recognition of this, peak reduction from DR is included in the firm peak but is excluded from the
12 system peak.

13
14 **10.5 Solar Impact to Peak**

15
16 The estimate for solar production at time of system peak remains the same as the 2025 Load
17 Forecast as updated data was not available for 2025. The coincidence factor in the winter months
18 is 0 as the system peaks occurred in the evening. In the summer months, the average coincidence
19 factor varies from 24 percent in September to 31 percent in August. The factors by month are
20 provided in **Figure 70**. As these are impacted by both weather patterns affecting solar production
21 (cloud cover) as well as the timing of the system peak, both of which can vary independently from
22 year to year, the coincident factors will have to be monitored and updated in future forecasts. Since
23 the annual system peak forecast is assumed to occur on a cold January evening after sunset, the
24 coincidence factor impacting the maximum demand is unlikely to change in the near term.

25

⁴⁵ 2025 DSM Programs Evaluation Reports (M12780), March 31, 2026

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Figure 70: Peak Contribution Components (MW)

	Average Coincidence Factor (percent)
January	0
February	0
March	2
April	2
May	17
June	28
July	27
August	31
September	24
October	5
November	0
December	0

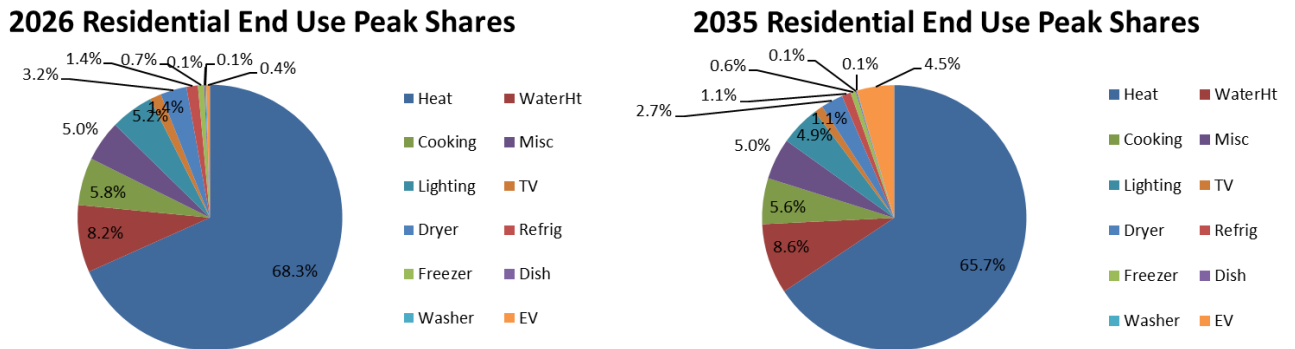
10.6 End Use Peak Estimates

While the Load Forecast is a good statistical fit for the historical data, it presents challenges when trying to assess the contribution of individual end uses to peak by class. The overall peak forecast looks at the heating, cooling, and other variables across the Residential and Commercial classes. To illustrate the impact of the individual end uses on the peak for the individual classes, the coincident peak contribution of each class (Residential, Commercial and Industrial) is derived from load research data and fit to the energy amounts from the end-use models. The individual end-use shapes are then fit to the end-use intensity energy amounts from the end-use models.

Figure 71 below shows illustrative breakdowns of contribution to peak by Residential end use.

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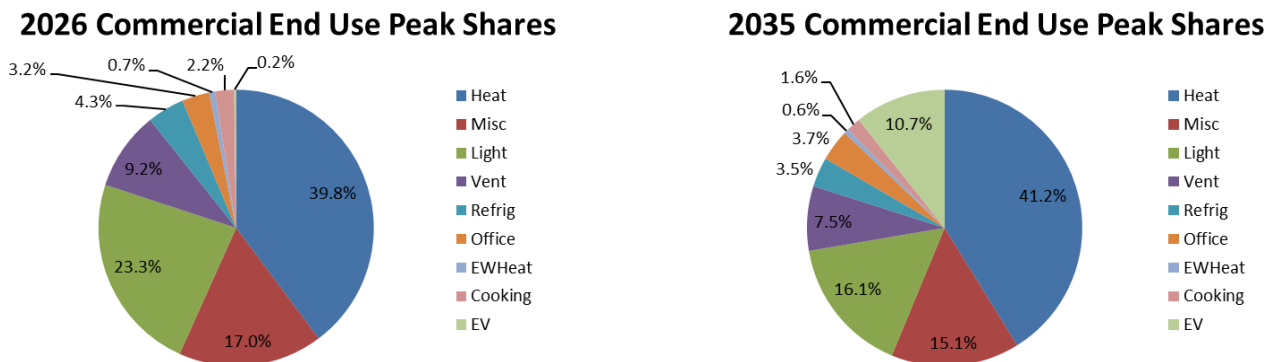
Figure 71: Residential End-Use Peak Shares



Over the forecast period, the greatest changes in relative contribution to peak are in EVs, increasing from 0.4 percent in 2026 to 4.5 percent by 2035, and electric heating sources, decreasing from 68.3 percent in 2026 to 65.7 percent in 2035. The contribution from all other end uses remains stable by comparison, fluctuating by at most ± 0.5 percent.

Figure 72 shows the breakdown in the contribution to peak by Commercial end use.

Figure 72: Commercial End-Use Peak Shares



As with the residential class, there is a significant increase in peak contribution from EVs, increasing from 0.2 percent in 2026 to 10.7 percent in 2035. The electrification of space heating

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in the commercial sector also drives an increase in the relative contribution to peak from electric heating sources, growing from 39.8 percent in 2026 to 41.2 percent in 2035. Apart from office equipment, which sees a fractional rise in peak contribution across the forecast period, all other end uses see a decline in relative peak contribution, with the greatest drop in lighting which decreases from 23.3 percent in 2026 to 16.1 percent in 2035.

10.7 Current Class Coincident Peak Demand Research

NS Power has been exploring ways of using interval data to understand peak at the class level from a bottom-up perspective, as discussed in prior Load Forecast reports. NS Power currently forecasts system peak at the aggregate level, as it is the most complete and granular information available (provided by the generation stations). Once peak information is obtained, the system peak is disaggregated into rate class contributions based on historic load factors, losses, and load research data.

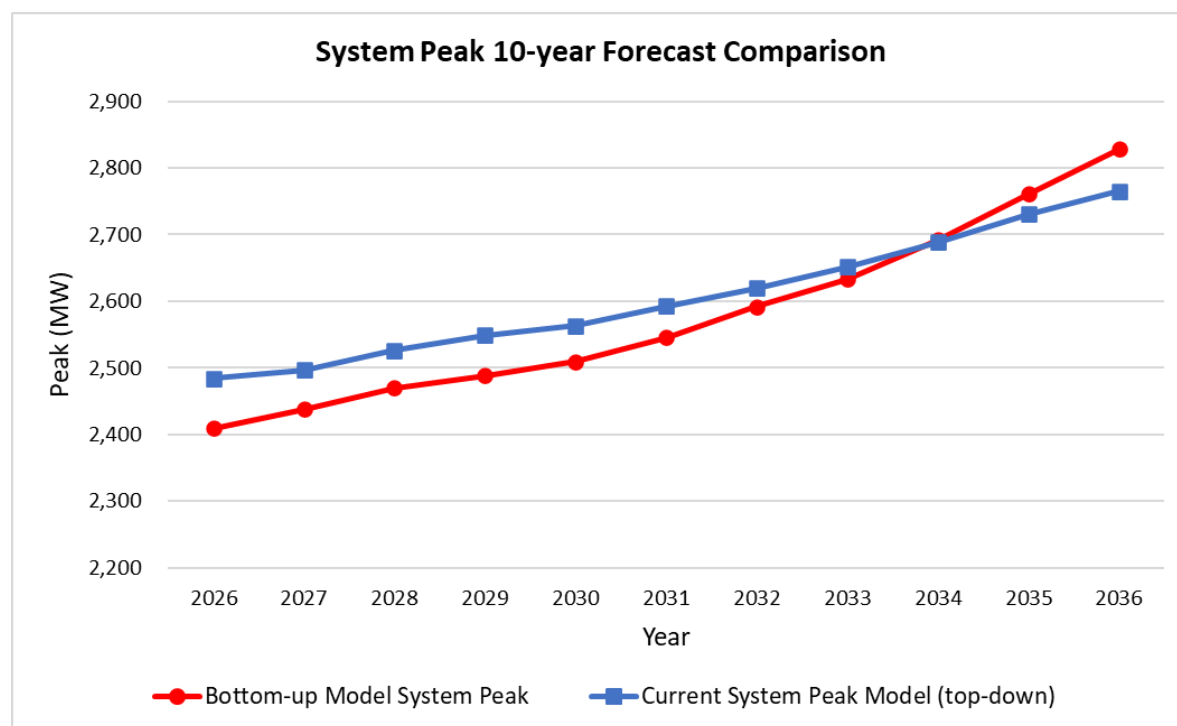
Analysis was undertaken to compare the current forecast method to a bottom-up, class-level coincident peak estimate. The following methodology was applied. Coincident peak demand values associated with the 2024 system peak – occurring on 21 February at hour ending 8:00 a.m. – were obtained for the non-large customer classes (Residential, Small General, General Demand, Small Industrial, Medium Industrial and Unmetered). For each class and each forecast year from 2026 through 2036, a class-specific growth factor was calculated as the ratio of forecast-year energy sales in the peak month to energy sales in the peak month of 2024. These growth factors were applied to the observed 2024 coincident peak for each class to produce class-level peak forecasts by year. The resulting class forecasts were aggregated to form an initial bottom-up estimate of coincident system peak demand. In alignment with the top-down system peak methodology, forecast large customer load was subsequently added to the aggregated non-large customer class estimate. The combined result was then normalized to account for weather and lighting effects, recognizing that the reference peak occurred on a February morning characterized

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by relatively higher temperatures and lower lighting load than assumed in the system peak model (the 2024 system peak was discussed in the 2025 Load Forecast Report, Section 10.1).⁴⁶

Figure 73 presents a comparison of the resulting bottom-up peak forecast and the current top-down system peak forecast. The bottom-up approach implies a higher average annual growth rate over the forecast period (1.6 percent) relative to the current forecast assumption (1.1 percent). At the beginning of the forecast, bottom-up peak estimates are approximately 3 percent (74 MW) lower than the top-down estimate, converging and ultimately exceeding the top-down forecast by approximately 2 percent (63 MW) by the end of the period. Some divergence is expected given the fundamental differences between the two modeling approaches. Nevertheless, two structural factors appear to contribute to the higher growth exhibited under the bottom-up methodology.

Figure 73: Comparison of bottom-up and top-down system peak forecasts

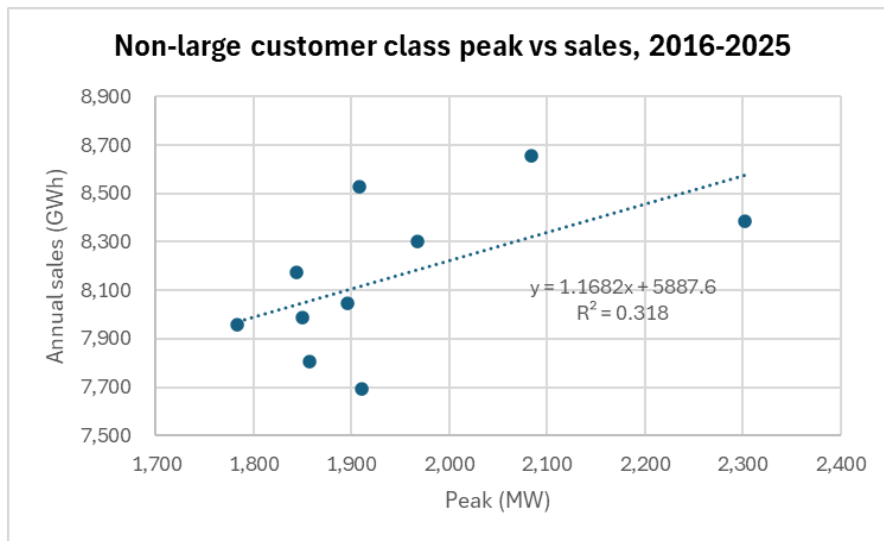


⁴⁶ M12349, NS Power 2025 Load Forecast Report, June 27, 2026, page 76.

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Firstly, the bottom-up method implicitly assumes that peak growth is directly correlated with growth in energy sales. However, this is not the case: non-large customer class coincident peak and annual sales only show a weak relationship ($R^2 = 0.318$), as shown in **Figure 74**. This is a result of year-to-year variation in weather conditions at time of system peak, as well as the time of peak occurrence.

Figure 74: Comparison of annual sales and coincident peak for non-large customer classes



Empirical evidence suggests the assumed relationship between peak load and sales holds for residential customers but not for non-residential classes. Modifying the accrued-class SAE model to a class-specific specification – by replacing system coincident peak targets with class-level coincident peaks and using only class-specific Heat, Cool, and Other variables – demonstrates this distinction. Residential coincident peaks exhibit strong correlation between energy and peak (model $R^2 = 0.93$), whereas non-residential classes do not; for example, the General Demand class achieves an R^2 of only 0.58. This reduced correlation reflects lower weather sensitivity and more heterogeneous load profiles among non-residential customers. As a result, the bottom-up scaling approach can overstate coincident peak growth for non-residential classes by assuming proportional scaling with sales.

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1 Secondly, the bottom-up estimate is derived from a single historical peak event. As such, the
2 forecast is inherently sensitive to the specific conditions associated with that peak, including
3 timing, prevailing weather, and class-specific customer behavior – both in terms of relative
4 contribution to the system peak and coincident peak load factors. While adjustments for weather
5 and lighting conditions can be applied, normalizing class-level peak behavior from a single
6 observation remains challenging. By comparison, the top-down system peak model is calibrated
7 using ten years of monthly system peak observations. This broader historical basis provides greater
8 statistical stability and reduces sensitivity to the characteristics of any individual peak event, being
9 more representative of historical peak demand patterns.

10
11 To conclude, while the top-down methodology is retained for the present forecast, this bottom-up
12 approach will continue to be evaluated and refined as part of ongoing analytical work. Future work
13 will focus on developing approaches to normalize class-level coincident peak behavior across
14 differing weather and conditions and timing effects, to enhance the stability and representativeness
15 of the bottom-up peak estimates, and to assess whether a more robust bottom-up methodology can
16 play a complementary role in system peak forecasting.

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11. SENSITIVITY ANALYSIS

The sales and peak forecasts are fundamentally uncertain and depend on many variables, including economics, weather, adoption of distributed generation, electricity rates and DSM. Although each of these variables is forecast discretely, the uncertainty in these data sets will impact the load forecast to varying degrees. Load can also be affected by extraordinary events such as economic events, strikes, trade disputes, natural disasters, pandemics, and volatility in commodities.

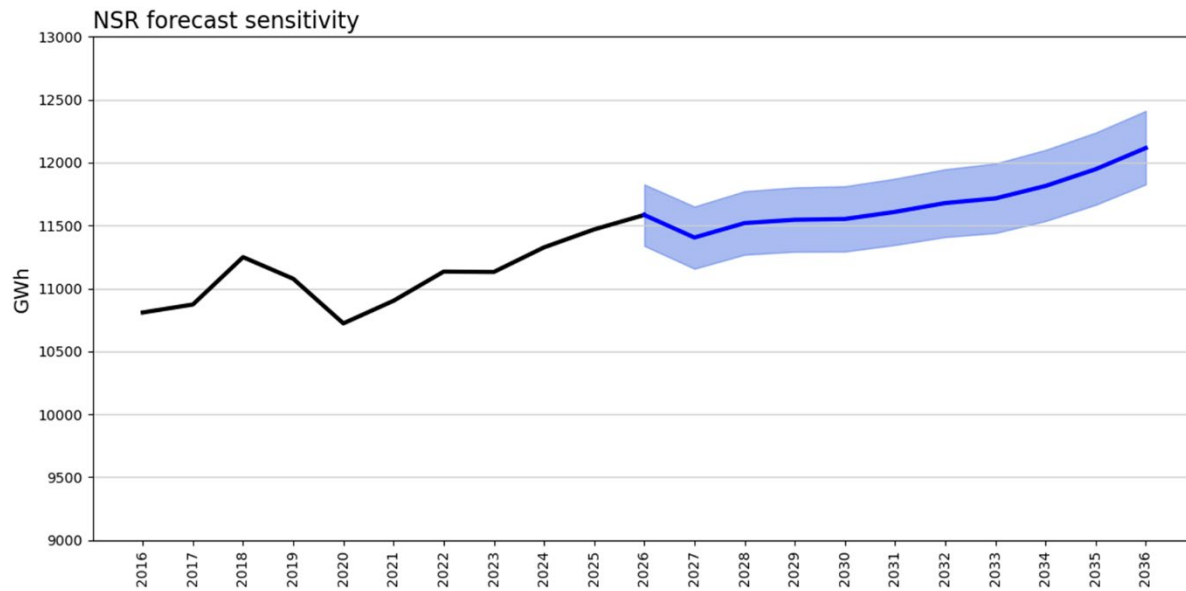
In 2017, based on recommendations from Synapse on the 2016 Load Forecast, NS Power developed a P10/P90 probability analysis using the Monte Carlo simulation approach. This was to create a high and low range for the forecast that encompasses possible (not extreme) scenarios. A full description of the sensitivity methodology is contained in Appendix D.

The probable distribution of future load is estimated by sampling 10,000 random trial values of the economics and weather each year, using their respective historical distributions.

Figure 75 shows the sensitivity bands, which are represented by the shaded regions. These represent a range from the low 10th percentile to the high 90th percentiles (there is a 10/90 percent probability that the forecast will be below/above these shaded areas). These P10/P90 bands cover a range of approximately 488-584 GWh during the 10-year period, which is explained mainly by the impact of weather variation (HDD) and economic impact in the long term. The black line represents actual system totals.

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Figure 75: System Energy Sensitivity

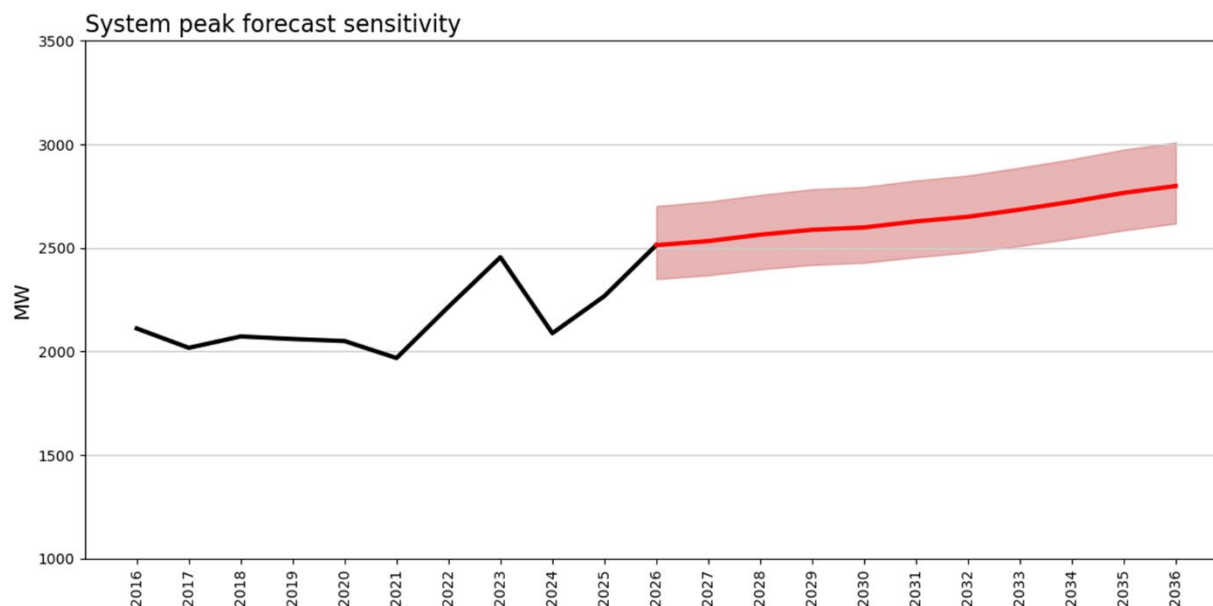


Similarly, a P10/P90 scenario was created for peak demand using a random sampling of weather and economic drivers. The width of the P10/P90 envelope is approximately 352 – 391 MW, reflecting the greater overall variation in the peak.

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Figure 76 shows the peak forecast, which includes the latest adjustments (wind, 12-hour and 24-hour temperature averages) to the peak end-use model.

Figure 76: System Peak Sensitivity



This analysis provides a potential range of outcomes for the 2025 Load Forecast. Energy is most sensitive to economics over the long term, while peak is most sensitive to temperature. In addition, peak is more variable overall. The impacts of other inputs that cannot easily be represented by probabilistic analysis are provided in **Figure D8** in **Appendix D**.

11.1 Evergreen IRP Comparison

Figure 77 below compares the 2025 Load Forecast, the 2026 Load Forecast, and the Company's Evergreen IRP cases with Base DSM. The Evergreen IRP analysis incorporated the 2022 Load Forecast as its central planning case, which had a much lower estimate for load served through the RTR market (29 GWh compared to 421 GWh in the present forecast), as well as lower initial peak expectations. There are no specific assumptions around incentives that might impact EV and heat pump uptake; the values represent a slow ramp-up of uptake of these technologies that would allow interim sales targets as well as the target of net zero emissions by 2050 to be achieved. There will

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be more policy and regulation changes related to decarbonization targets in the course of the 10-year timeframe of this forecast, but the scenario developed represents the likely trajectories of these technologies.

Figure 77: 2022 Evergreen IRP Scenarios Comparison

Item	2026 NSR Energy (GWh)	2026 Firm Peak (MW)	2036 NSR Energy (GWh)	2036 Firm Peak (MW)
2025 Load Forecast	11,403	2,263	11,635	2,560
2026 Load Forecast	11,556	2,346	12,010	2,590
Evergreen IRP E1 – Current Policy and Trends	11,289	2,098	12,150	2,602
Evergreen IRP E2 – Hybrid Peak Mitigation	11,235	2,000	12,040	2,488
Evergreen IRP E3 – Accelerated Electrification	11,275	2,155	12,842	3,014

Appendix A – Forecast Values
2026 NS Power Load Forecast

Appendix A – Forecast Values

1.1 Table A1: Energy Requirement – 2026 NS Power Forecast Energy Forecast

Year	Residential Sector	Growth	Commercial Sector	Growth	Industrial Sector	Growth	Municipal and Other	Growth	Losses	Total Energy	Growth
	GWh	%	GWh	%	GWh	%	GWh	%	GWh	GWh	%
2016	4,264	-5.3%	3,133	-3.7	2,444	-0.5	179	-9.2	789	10,809	-2.6
2017	4,363	2.3%	3,133	0.0	2,461	0.7	163	-9.0	753	10,873	0.6
2018	4,542	4.1%	3,181	1.5	2,614	6.2	154	-5.7	758	11,250	3.5
2019	4,688	3.2%	3,151	-0.9	2,388	-8.7	146	-4.7	704	11,077	-1.5
2020	4,675	-0.3%	2,957	-6.2	2,343	-1.9	68	-53.6	688	10,731	-3.1
2021	4,619	-1.2%	2,973	0.7%	2,480	6.0%	72	5.6%	757	10,902	1.7%
2022	4,851	5.0%	3,088	3.9%	2,480	0.0%	69	-3.5%	645	11,134	2.1%
2023	4,934	1.7%	3,110	0.7%	2,161	-12.9%	154	122.5%	772	11,131	0.0%
2024	5,064	2.6%	3,129	0.6%	2,216	2.5%	144	-6.2%	773	11,326	1.8%
2025	5,227	3.2%	3,157	0.9%	2,102	-5.1%	150	3.9%	833	11,469	1.3%
2026	5,315	1.7%	3,165	0.3%	2,183	3.8%	131	-12.8%	781	11,575	0.9%
2027	5,310	-0.1%	3,008	-5.0%	2,105	-3.6%	236	80.6%	765	11,424	-1.3%
2028	5,335	0.5%	3,003	-0.2%	2,161	2.7%	258	9.3%	768	11,525	0.9%
2029	5,321	-0.3%	3,014	0.4%	2,194	1.5%	258	0.0%	769	11,556	0.3%
2030	5,327	0.1%	3,031	0.6%	2,182	-0.5%	258	0.0%	770	11,568	0.1%
2031	5,357	0.6%	3,057	0.8%	2,174	-0.4%	258	0.1%	775	11,621	0.5%
2032	5,393	0.7%	3,084	0.9%	2,173	0.0%	259	0.0%	780	11,689	0.6%
2033	5,408	0.3%	3,101	0.5%	2,173	0.0%	258	-0.1%	782	11,722	0.3%
2034	5,464	1.0%	3,131	1.0%	2,172	0.0%	258	0.0%	789	11,815	0.8%
2035	5,545	1.5%	3,167	1.1%	2,170	-0.1%	259	0.0%	798	11,939	1.0%
2036	5,646	1.8%	3,213	1.5%	2,168	-0.1%	259	0.1%	810	12,097	1.3%

Table A2: Coincident Peak Demand - 2026 NS Power Forecast Peak Forecast

Year	Interruptible Contribution to Peak (MW)	Demand Response (reduction in Firm Peak only, MW)	Firm Contribution to Peak (MW)	Net System Peak (MW)	Growth (%)	Temp at Peak (deg C)	12hr Lag Temp (deg C)	24hr Lag Temp (deg C)	Notes
2016	98	-	2,013	2,111	4.8	-14	-15	-13	December 16 weekday evening
2017	67	-	1,951	2,018	-4.4	-13	-13	-13	December 28 weekday evening (between holidays)
2018	80	-	1,993	2,073	2.7	-12	-13	-14	January 7 weekend evening
2019	111	-	1,949	2,060	-0.6	-15	-14	-12	February 27 weekday morning (min lighting load)
2020	96	-	1,954	2,050	-0.5	-13	-10	-8	January 17 weekday evening
2021	94	-	1,875	1,968	-4.0	-10	-10	-5	March 2 weekday evening
2022	155	-	2,061	2,216	12.6	-15	-14	-12	January 11 weekday evening
2023	58	-	2,397	2,455	10.8	-22	-23	-15	February 4 weekend noon
2024	87	-	2,001	2,088	-14.9	-16	-11	-9	February 21 weekday morning (min lighting load)
2025	87	-	2,180	2,267	8.6	-12	-12	-12	February 6 weekday morning (min lighting load)
2026	130	8	2,346	2,484	9.6		-15	-15	Forecast
2027	129	11	2,356	2,497	1.5		-14	-12	Forecast
2028	135	14	2,377	2,526	1.2		-14	-12	Forecast
2029	142	17	2,390	2,549	0.9		-14	-12	Forecast
2030	141	20	2,402	2,563	0.6		-14	-12	Forecast
2031	140	24	2,429	2,593	1.2		-13	-12	Forecast
2032	140	34	2,446	2,620	1.0		-13	-12	Forecast
2033	139	36	2,477	2,652	1.2		-13	-12	Forecast
2034	139	37	2,514	2,689	1.4		-13	-12	Forecast
2035	138	37	2,555	2,730	1.5		-13	-12	Forecast
2036	138	37	2,590	2,765	1.3		-13	-12	Forecast

Appendix B – Forecast Model Details

2026 NS Power Load Forecast

Residential Model Detail

The residential average use SAE model is defined as a function of the three primary end uses – cooling ($XCool$), heating ($XHeat$) and other use ($XOther$):

$$ResAvgUse_m = b_1 \times XHeat_m + b_2 \times XCool_m + b_3 \times XOther_m + b_4 \times AvgEESavings_m + b_5 \times CovidVariable_m + \sum Binaris$$

The end-use variables incorporate both a variable that captures short-term utilization (Use) and a variable that captures changes in end-use efficiency and saturation trends (Index). The heating variable is calculated as:

$$XHeat = HeatUse \times HeatIndex$$

HeatUse is defined as:

$$HeatUse_{y,m} = \left(\frac{HDD_{y,m}}{HDD_{20}} \right) \times \left(\frac{HHSize_{y,m}}{HHSize_{20}} \right)^{HHSizeElas} \times \left(\frac{ResEcon_{y,m}}{ResEcon_{20}} \right)^{HHIncElas} \times \left(\frac{Price_{y,m}}{Price_{20}} \right)^{PriceElas}$$

Where $HDD_{y,m}$ is the Heating Degree Day for a given month m of the year y , $HHSize$ is the average household size, $ResEcon$ is Employment Compensation divided by House Hold population, $Price$ is the price of electricity for the specific customer class. Each variable uses its own elasticity, and the base line year is 2020.

HeatIndex is defined as:

$$HeatIndex = f(\text{Heating Saturation, Efficiency, Shell Integrity, Square Footage})$$

The cooling variable is defined as:

$$XCool = CoolUse \times CoolIndex$$

CoolUse is defined as:

$$CoolUse_{y,m} = \left(\frac{CDD_{y,m}}{CDD_{20}} \right) \times \left(\frac{HHS_{y,m}}{HHS_{20}} \right)^{HHS_{Elas}} \times \left(\frac{ResEcon_{y,m}}{ResEcon_{20}} \right)^{HHIncElas} \times \left(\frac{Price_{y,m}}{Price_{20}} \right)^{PriceElas}$$

Where $CDD_{y,m}$ is the Cooling Degree Day for a given month m of the year y , HHS is the average household size, $ResEcon$ is Employment Compensation divided by House Hold population, $Price$ is the price of electricity for the specific customer class. Each variable uses its own elasticity, and the base line year is 2020.

CoolIndex is defined as:

$$CoolIndex = f(\text{Cooling Saturation, Efficiency, Shell Integrity, Square Footage})$$

$XOther$ captures non-weather sensitive end uses:

$$XOther = OtherUse \times OtherIndex$$

Where

$$OtherUse = f(\text{Seasonal Use Pattern, Household Income, Household Size, and Price})$$

$$OtherIndex = g(\text{Other Appliance Saturation and Efficiency Trends})$$

$OtherUse$ is calculated as

$$OtherUse_{y,m} = \left(\frac{CDays_{y,m}}{30.44} \right) \times \left(\frac{HHS_{y,m}}{HHS_{20}} \right)^{HHS_{Elas}} \times \left(\frac{ResEcon_{y,m}}{ResEcon_{20}} \right)^{HHIncElas} \times \left(\frac{Price_{y,m}}{Price_{20}} \right)^{PriceElas}$$

Where $CDays_{y,m}$ is the number of days for a given month m of the year y , HHS is the average household size, $ResEcon$ is Employment Compensation divided by House Hold population, $Price$ is the price of electricity for the specific customer class. Each accompanied by its own elasticities. Base line year is 2020.

OtherIndex is defined as:

$$OtherIndex_{y,m} = \sum_{Type} EI_{20}^{Type} \times \frac{(Sat_y^{Type} / Eff_y^{Type})}{(Sat_{20}^{Type} / Eff_{20}^{Type})} \times MoMult_m^{Type}$$

Where $Type$ is an end-use, Sat_y^{Type} is the saturation (shares) of an end-use of given $Type$ for a particular year y , Eff_y^{Type} is the efficiency of an end-use of given $Type$ for a particular year y , and EI_{15}^{Type} is a reference year (2020) calibration weight per end-use $Type$. The factors:

$$EI_{20}^{Type} \times \frac{(Sat_y^{Type} / Eff_y^{Type})}{(Sat_{20}^{Type} / Eff_{20}^{Type})}$$

are the annual intensities in the Intensities tab in Attachment 1 - Residential Intensities of the Load Forecast Report for each relevant end-use and converted to monthly values using the $MoMult_m^{Type}$ factor.

The *AvgEESavings* term captures E1's DSM past reported savings for the residential class. The associated regression coefficient, b_4 , assesses the portion of embedded DSM activity that is already included in the billed sales information. The negative sign of b_4 indicates that DSM activity reduces load.

The COVID variable is a binary that starts in July 2020 and attempts to mirror the impacts of COVID on load. It starts with a value of 1, is reduced to 0.5 in August 2022, and zero in 2025. As discussed in **Section 5**, this variable was used to explain the increase in residential load from people working from home during the pandemic and subsequent years, but is removed from the forecast period.

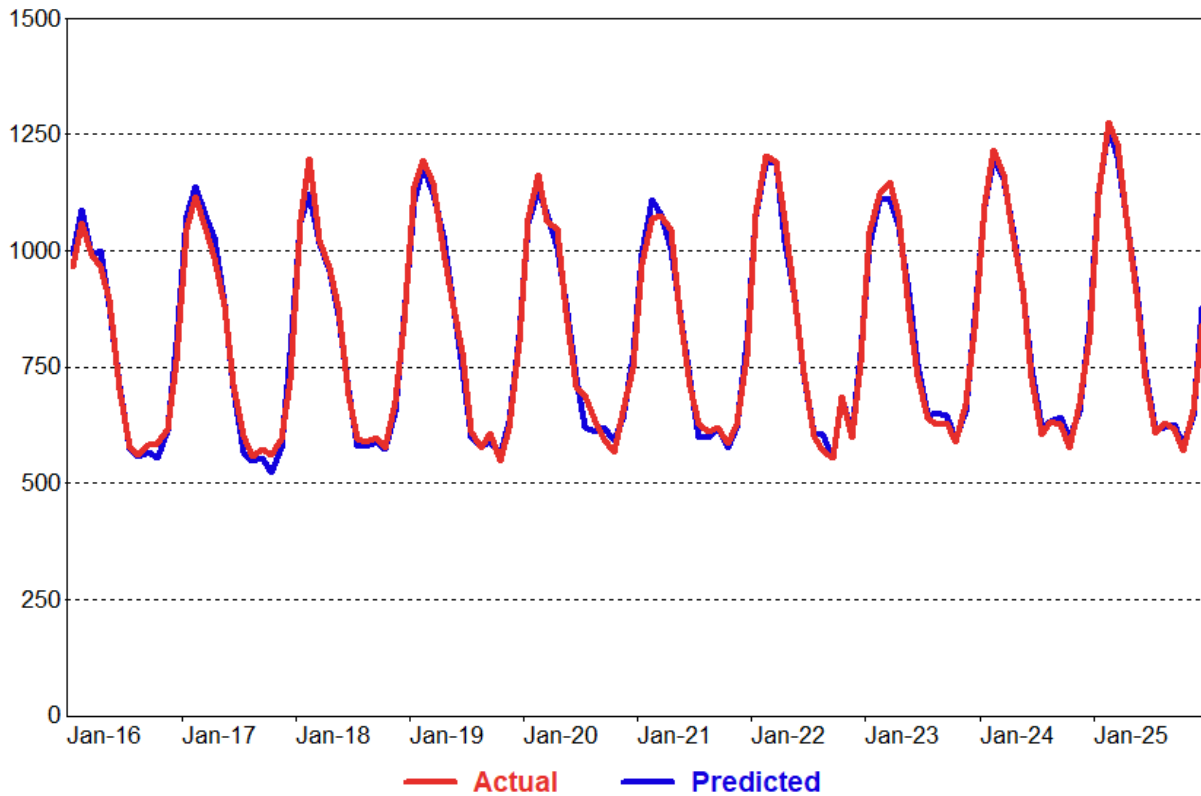
Binary shift variables are added to the model for the months of January, August, September, and October to improve model fit and particular monthly trends, while binaries for September and October 2022 compensate for anomalies in the billing data during this period related to delayed meter reads. Additional binaries were added for March 2016 and March 2022 to correct for high residual values. After running the linear regression with the main variables, the residuals show a slight autocorrelation, which happens when a model does not take into account relatively small drivers that should explain the dependent variable (in this case, sales).

Variable	Coefficient	StdErr	T-Stat	P-Value
MStructRes.WtXHeat	0.996	0.020	48.729	0.00%
MStructRes.WtXCool	1.145	0.187	6.123	0.00%
MStructRes.WtXOther	0.925	0.041	22.435	0.00%
MSales.AvgEESavingsProfiled	-0.533	0.203	-2.621	1.00%
MBin.Jan	56.795	8.792	6.460	0.00%
MBin.Aug	64.228	15.183	4.230	0.01%
MBin.Sep	87.248	16.762	5.205	0.00%
MBin.Oct	58.001	11.984	4.840	0.00%
MBin.Mar16	-64.296	24.720	-2.601	1.06%
MBin.Sep22	-77.604	25.851	-3.002	0.33%
MBin.Oct22	103.340	25.582	4.040	0.01%
MBin.Mar22	74.226	24.932	2.977	0.36%
MBin.Covid2020SteppedUpdate25	25.944	6.110	4.246	0.00%

Residential Model Statistics

Model Statistics	
Iterations	1
Adjusted Observations	120
Deg. of Freedom for Error	107
R-Squared	0.989
Adjusted R-Squared	0.988
AIC	6.467
BIC	6.769
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-545.28
Model Sum of Squares	5,562,624.74
Sum of Squared Errors	62,167.83
Mean Squared Error	581.01
Std. Error of Regression	24.10
Mean Abs. Dev. (MAD)	17.92
Mean Abs. % Err. (MAPE)	2.26%
Durbin-Watson Statistic	1.761
Durbin-H Statistic	#NA
Ljung-Box Statistic	24.11
Prob (Ljung-Box)	0.4552
Skewness	0.350
Kurtosis	3.514
Jarque-Bera	3.772
Prob (Jarque-Bera)	0.1517

Residential SAE Model Fit



Residential Model 2026-2036 Reconciliation

The following tables provide details reflecting the changes between 2026 and 2036 forecast years. Some of the numbers have small discrepancies compared to those used in the final annual figures as there is a conversion between monthly data at the model level to annual data at the system level.

Residential Load – Post Regression (GWh)

	Existing Customer Average Use from Regression Model (kWh/year)	New Cust. Load	EVs	Solar	RTR	Hybrid	Res DSM Adjust ment	Res Sales		Total Res DSM (at the meter)	DSM captured by end uses
2026	10,376	61	8	(24)	(2)	-	(19)	5,314		(36)	(17)
2036	10,367	411	653	(394)	(49)	(16)	(247)	5,645		(464)	(217)
Change to load	-0.1%	6.6%	12.1%	-6.9%	-0.9%	-0.3%	-4.3%	6.2%			

Res Sales = Existing Customer + New Customer + EV + Solar + RTR + Hybrid + DSM

Existing customer load is calculated as Res Average Use (10,377 kWh/customer in 2026, 10,369 kWh/customer in 2036) x number of customers as of 2026 (509,966). The tables below show the appliance information incorporated in the end-use input tables.

Residential Average Use –Regression

	XHeat	XCool	XOther	AvgEE Savings	Binaries	ARMA	COVID Variable	Res Average Use
2026	4,935	515	5,233	(573)	266	-	-	10,376
2036	4,900	670	5,104	(573)	266	-	-	10,367
Change to load	-0.3%	1.5%	-1.2%	0.0%	0.0%	0.0%	0.0%	-0.1%

Res Avg Use = XHeat + XCool + XOther + AvgEESavings + Binaries + ARMA + COVID Var

Residential Input Variables – XHeat

	Intensities					Econ + Struct	Regression	
	Efurn	HP Heat (non-hybrid)	HP Heat (hybrid)	Secondary Heat	Furnace Fans	HeatUse Variable	Coeff	Total XHeat
2026	1,932	2,120	-	509	102	1.06	0.996	4,935
2036	954	3,031	286	563	88	1.00	0.996	4,900
Change to load	-19.8%	18.4%	5.8%	1.1%	-0.3%	-5.9%	0.0%	-0.7%

XHeat = (Efurn + HP Heat + Secondary Heat + Furnace Fans) x HeatUseVariable x Coeff

Note that because these factors are multiplicative, the growth rate for the intensities is multiplied

by the coefficients to calculate the overall impact. For example, the contribution of Efurn is calculated as $[(Efurn_{2036} - Efurn_{2026}) \times HeatUse \times Coeff] / WtXHeat_{2026}$

Residential Input Variables – XCool

	Intensities			Econ + Struct	Regression	
	Central AC	HP Cool	Room AC	CoolUse Variable	Coefficient	Total Xcool
2026	44	216	110	1.21	1.145	515
2036	49	290	115	1.29	1.145	670
Change to load	0.9%	14.4%	0.9%	6.2%	0.0%	30.1%

$$XCool = (Central\ AC + HP\ Cool + Room\ AC) \times CoolUseVariable \times Coeff$$

Residential Input Variables – XOther

	Intensities							Econ + Struct	Reg	
	Water Heat	Cook	Ref/Frz	Wash/Dry	TV	Light	Misc	Other Use Var	Coeff	Total Xother
2026	1,551	444	548	563	256	746	1,460	1.02	0.925	5,233
2036	1,687	454	454	492	203	729	1,554	0.99	0.925	5,104
Change to load	2.6%	0.2%	-1.8%	-1.4%	-1.0%	-0.3%	1.8%	-2.5%	0.0%	-2.5%

$$XOther = (Water\ Heat + Cook + Ref/Frz + Wash/Dry + TV + Light + Misc) \times OtherUseVariable \times Coeff$$

Commercial Model Detail

Small General Service

Small General Service is projected using an SAE average use model and a sales forecast is generated as the product of the average use and customer forecast.

Like the residential model, monthly Small General Service average use is defined as a function of monthly heating requirements ($XHeat$), cooling requirements ($XCool$), and other use ($XOther$). The end-use variables are constructed by interacting annual end-use intensity projections (EI) that capture end-use intensity trends, with GDP and employment ($SmlGenVar_m$), real price ($Price_m$), monthly HDD and CDD and a variable accounting for the number of days in a given month:

$$XHeat_m = EI_{heat} \times Price_m^{-.15} \times SmlGenVar_m \times HDD_m$$

$$XCool_m = EI_{cool} \times Price_m^{-.15} \times SmlGenVar_m \times CDD_m$$

$$XOther_m = EI_{other} \times Price_m^{-.15} \times SmlGenVar_m \times Days_m$$

The coefficients on price are imposed short-term price elasticities. Several binary shift variables are added to the model to:

- (1) Improve model fit using monthly binaries for March and December.
- (2) Account for billing issues related to the pandemic in May and June 2020.
- (3) Account for billing issues related to the hurricane Fiona in Oct 2022 and hurricane Lee in Sep 2023.
- (4) Account for shifts in usage starting in 2024 (post COVID)

Analysis of the initial regression results indicated that the model would be improved by adding an ARMA process. A seasonal moving average of period 1, SMA(1) was used.

The monthly forecast average use sales model is then estimated as:

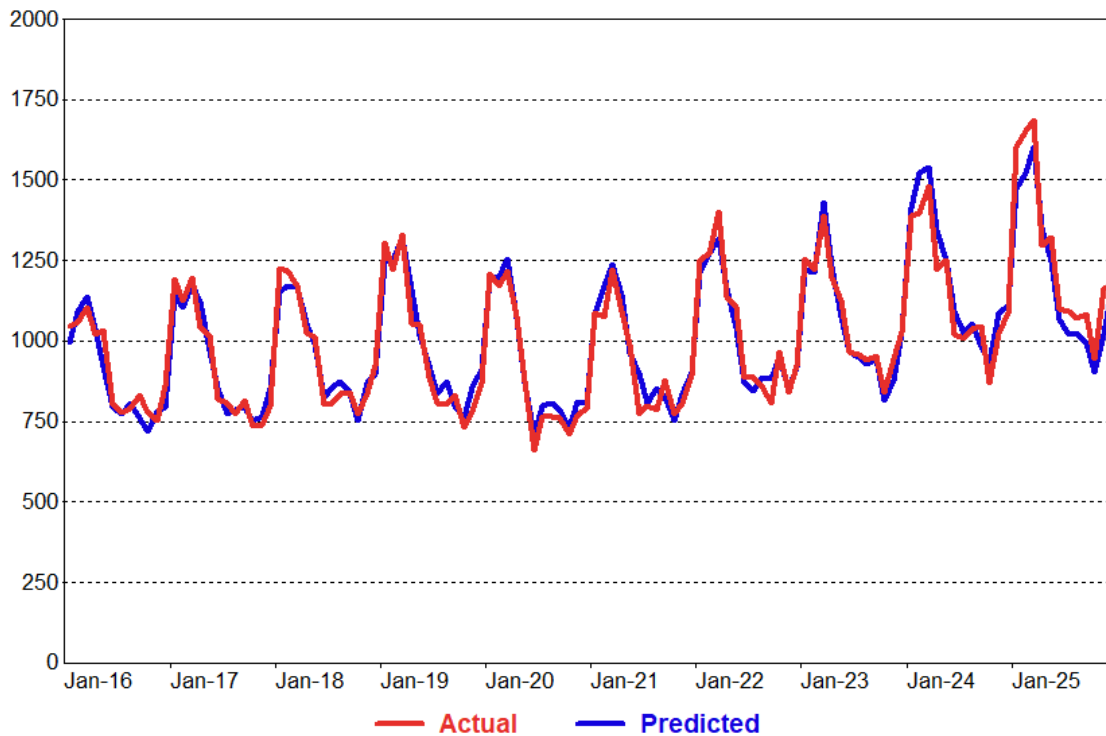
$$SmlGen_AvgUse_m = b1 \times XHeat_m + b2 \times XCool_m + b3 \times XOther_m + \sum Binaries + ARMA$$

Variable	Coefficient	StdErr	T-Stat	P-Value
MStructSmlGen.WtXHeat	0.789	0.038	20.962	0.00%
MStructSmlGen.WtXCool	0.308	0.041	7.481	0.00%
MStructSmlGen.WtXOther	0.572	0.020	28.162	0.00%
MBin.Mar	109.935	25.449	4.320	0.00%
MBin.Dec	-121.512	24.061	-5.050	0.00%
MBin.May20	-133.142	50.902	-2.616	1.02%
MBin.Jun20	-156.872	50.905	-3.082	0.26%
MBin.Oct22	151.717	51.015	2.974	0.36%
MBin.Sep23	123.690	52.577	2.353	2.04%
MBin.Yr24Plus	147.392	14.855	9.922	0.00%
SMA(1)	0.348	0.119	2.932	0.41%

Small General Model Statistics

Model Statistics	
Iterations	21
Adjusted Observations	120
Deg. of Freedom for Error	109
R-Squared	0.942
Adjusted R-Squared	0.937
AIC	8.063
BIC	8.319
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-643.06
Model Sum of Squares	5,196,910.66
Sum of Squared Errors	317,210.80
Mean Squared Error	2,910.19
Std. Error of Regression	53.95
Mean Abs. Dev. (MAD)	40.56
Mean Abs. % Err. (MAPE)	4.02%
Durbin-Watson Statistic	1.647
Durbin-H Statistic	#NA
Ljung-Box Statistic	62.39
Prob (Ljung-Box)	0.0000
Skewness	0.178
Kurtosis	3.277
Jarque-Bera	1.021
Prob (Jarque-Bera)	0.6001

Small General Model Fit



Small General 2026-2036 Reconciliation

The Small General Demand customer forecast model is constructed like the residential model (including heat pump programs inside the SAE model). Adjustments done outside the regression include estimates for other commercial and industrial growth programs, PV, EV, RTR and DSM.

Historically the XHeat, XCool and XOther variables are constructed with a flat scaling factor to keep regression coefficients close to 1, which allows for easier comparison.

Small General Load – Post Regression (GWh)

	Load from Regression Model	Model Alignment	EVs	Solar	RTR	SG DSM adjustment	Small Gen Sales (with DSM)	Total SG DSM (at the meter)	DSM captured by end uses
2026	407	13	3	(1)	(0)	(4)	418	(7)	(3)
2036	472	13	77	(18)	(7)	(27)	512	(50)	(23)
Change to load	15.6%	0.0%	17.7%	-4.0%	-1.6%	-5.5%	22.1%		

Small General Sales = Avg Use Existing x customer count + Model Alignment + EV Load + Solar Load + RTR + DSM

The load from the regression model is calculated as Small Gen Average Use (14,990 kWh/customer in 2026, 15,735 kWh/customer in 2036) x number of customers (27,154 in 2026, increasing to 29,995 in 2036). The model alignment variable represents the difference between the predicted prior year load and actual prior year load, to ensure the class level sales start from the same point as the prior year.

Small General Average Use –Regression

	XHeat	XCool	XOther	Binaries	ARMA	SG Average Use
2026	4,750	717	7,487	1,757	279	14,990
2036	5,625	831	7,522	1,757	-	15,735
Change to load	5.8%	0.8%	0.2%	0.0%	-1.9%	5.0%

Small General Avg Use = XHeat + XCool + XOther + Binaries + ARMA

Small General Input Variables – XHeat

	Heating	HeatUse Variable	Coefficient	Scaling Factor	Total Xheat
2026	65,158	1.32	0.789	0.070	4,750
2036	73,805	1.38	0.789	0.070	5,625

Change to load	13.9%	4.5%	0.0%	0.0%	18.4%
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$X_{Heat} = Heating \times HeatUseVariable \times Coeff \times Scaling \text{ Factor}$

Note that because these factors are multiplicative, the growth rate for the intensities are multiplied by the coefficients to calculate the overall impact. For example, the contribution of Heating is calculated as $[(Heat_{2036} - Heat_{2026}) \times HeatUse \times Coeff \times Scaling] / WtX_{Heat_{2026}}$

Small General Input Variables – XCool

	Cooling	CoolUse Variable	Coefficient	Scaling Factor	Total Xcool
2026	43,740	1.52	0.308	0.035	717
2036	43,045	1.79	0.308	0.035	831
Change to load	-1.9%	17.8%	0.0%	0.0%	15.9%

$X_{Cool} = Cooling \times CoolUseVariable \times Coeff \times Scaling \text{ Factor}$

Small General Input Variables – XOther

	Intensities							Econ + Struct	Reg		
	Vent	Water Heat	Cook	Refrig	Light	Office	Misc	Other Use Var	Coeff	Scaling Factor	Total XOther
2026	28,397	1,295	3,204	14,807	69,138	9,201	46,299	15.19	0.572	0.005	7,487
2036	26,945	1,475	2,709	13,668	54,255	12,696	48,239	16.44	0.572	0.005	7,522
Change to load	-0.9%	0.1%	-0.3%	-0.7%	-9.3%	2.2%	1.2%	8.2%	0.0%	0.0%	0.5%

$X_{Other} = (Ventilation + Water \text{ Heat} + Cook + Refrigeration + Light + Office + Misc) \times OtherUseVariable \times Coeff \times Scaling \text{ Factor}$

General Service

The General Service rate class model is estimated on a total monthly sales basis where total monthly billed sales is a function of total monthly heating requirements ($XHeat$), cooling requirements ($XCool$), and other use ($XOther$). The end-use variables are constructed by interacting annual end-use intensity projections (EI) that capture end-use intensity trends, with GDP and employment ($GenVar_m$), real price ($Price_m$), monthly HDD and CDD and a variable accounting for the number of days in a given month:

$$XHeat_m = EI_{heat} \times Price_m^{-.15} \times GenVar_m \times HDD_m \quad XCool_m = EI_{cool} \times Price_m^{-.15} \times GenVar_m \times CDD_m$$

$$XOther_m = EI_{other} \times Price_m^{-.15} \times GenVar_m \times Days_m$$

The coefficients on price are imposed short-term price elasticities. Several binary shift variables are added to the model to:

- (1) Improve model fit using monthly binaries for Feb 2018 and Dec 2025.
- (2) Account for billing issues related to the pandemic in April, May and June 2020.
- (3) Account for billing issues related to the hurricane Fiona in Sep and Oct 2022.
- (4) Account for shifts in usage since 2021 (post COVID).

As in the small general model, analysis of the initial regression results indicated that the model would be improved by adding an ARMA process. A seasonal moving average of period 1, SMA(1) was used.

A monthly forecast sales model is then estimated as:

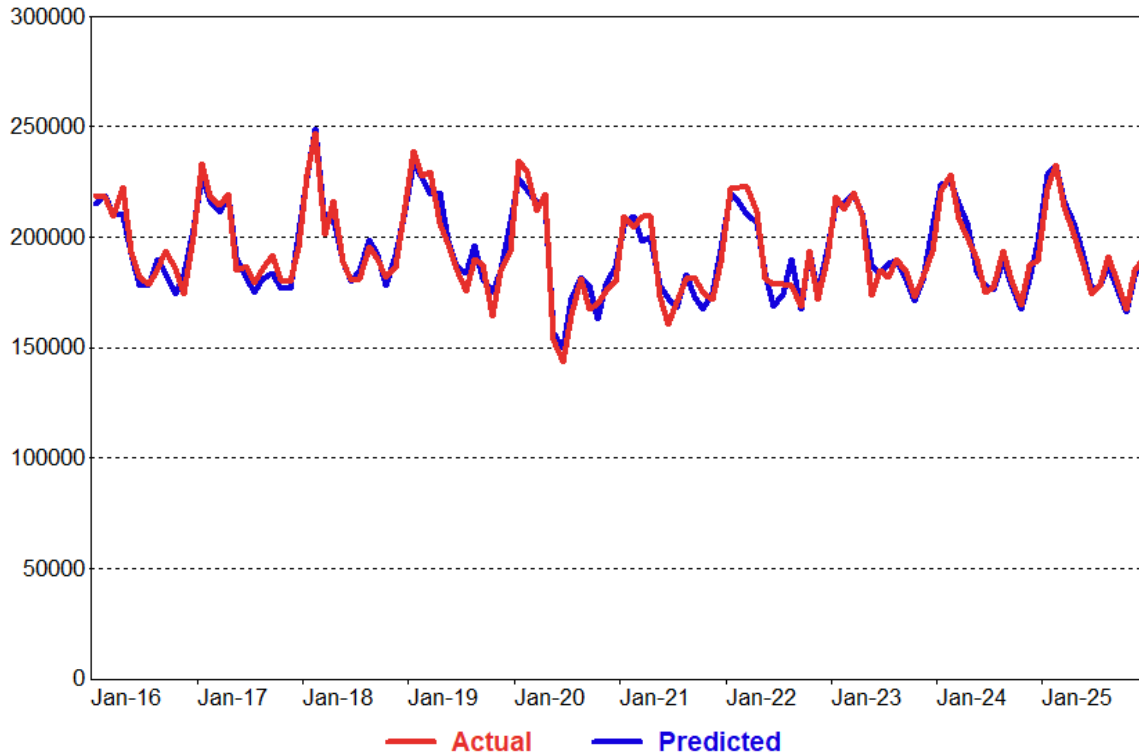
$$GenService_m = b1 \times XHeat_m + b2 \times XCool_m + b3 \times XOther_m + \sum Binarities + ARMA$$

Variable	Coefficient	StdErr	T-Stat	P-Value
MStructGen.WtXHeat	0.698	0.032	21.51	0.00%
MStructGen.WtXCool	0.616	0.058	10.586	0.00%
MStructGen.WtXOther	1.074	0.02	54.296	0.00%
MBin.Feb18	30906.641	5724.875	5.399	0.00%
MBin.May20	-33754.217	5769.884	-5.85	0.00%
MBin.Jun20	-27797.292	5773.363	-4.815	0.00%
MBin.Oct22	23313.435	5824.089	4.003	0.01%
MBin.Sep22	-19021.208	5973.601	-3.184	0.19%
MBin.Yr21	-10088.873	1935.3	-5.213	0.00%
MBin.Yr22Plus	-11380.949	1676.043	-6.79	0.00%
MBin.Apr20	14786.453	6036.54	2.449	1.59%
MBin.Dec25	-14605.732	6352.112	-2.299	2.34%
SMA(1)	0.417	0.097	4.32	0.00%

General Service Model Statistics

Model Statistics	
Iterations	20
Adjusted Observations	120
Deg. of Freedom for Error	107
R-Squared	0.916
Adjusted R-Squared	0.906
AIC	17.583
BIC	17.885
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,212.28
Model Sum of Squares	45,543,815,649.01
Sum of Squared Errors	4,183,066,541.65
Mean Squared Error	39,094,079.83
Std. Error of Regression	6,252.53
Mean Abs. Dev. (MAD)	4,729.48
Mean Abs. % Err. (MAPE)	2.47%
Durbin-Watson Statistic	2.029
Durbin-H Statistic	#NA
Ljung-Box Statistic	28.78
Prob (Ljung-Box)	0.2285
Skewness	-0.140
Kurtosis	2.665
Jarque-Bera	0.950
Prob (Jarque-Bera)	0.6218

General Service Model Fit



General Demand 2026-2036 Reconciliation

The general demand class, which makes up the largest portion of the commercial sector, is forecast as gross total sales rather than average use as is the case in the small general and residential classes.

Like the small general model, a flat scaling factor is used to adjust some of the end-use regression coefficients close to 1, making their interpretation a bit easier. Outside of the SAE regression model, adjustments include EV load, PV, RTR, Hybrid and DSM.

General Demand Load – Post Regression (GWh)

	Load from Regression Model	Model alignment	RTR	Hybrid Impact	EV	Solar	GD DSM Adjustment	Gen Sales (with DSM)		Total GD DSM (at the meter)	DSM captured by end uses
2026	2,362	(13)	(10)	-	11	(7)	(25)	2,319		(46)	(21)
2036	2,611	(13)	(207)	(75)	310	(160)	(175)	2,290		(325)	(150)
Change to load	10.6%	0.0%	-8.4%	-3.2%	12.7%	-6.6%	-6.4%	-1.2%			

Gen Sales = Sales + Model alignment (2025 actuals vs forecast) + RTR + EV Load + Solar Load + Hybrid + DSM

General Demand Sales –Regression

	XHeat	XCool	XOther	Binaries	ARMA	Sales (GWh)
2026	559,305	124,865	1,818,960	(136,571)	(4,092)	2,362,467
2036	751,876	145,772	1,849,930	(136,571)	-	2,611,006
Change to load	8.2%	0.9%	1.3%	0.0%	0.2%	10.5%

Sales = XHeat + XCool + XOther + Binaries + ARMA

General Demand Input Variables – WtXHeat

	Intensity	Econ + Structural	Regression	
	Heating	HeatUse Variable	Coefficient	Total Xheat
2026	608,911	1.32	0.698	559,305
2036	777,763	1.38	0.698	751,876
Change to load	29.2%	5.2%	0.0%	34.4%

XHeat = Heating x HeatUseVariable x Coeff

Note that because these factors are multiplicative, the growth rate for the intensities are multiplied by the coefficients to calculate the overall impact. For example, the contribution of Heating is calculated as $[(\text{Heat}_{2036} - \text{Heat}_{2026}) \times \text{HeatUse} \times \text{Coeff}] / \text{WtXHeat}_{2026}$

General Demand Input Variables – XCool

	Intensity	Econ + Structural	Regression		
	Cooling	CoolUse Variable	Coefficient	Scaling Factor	Total Xcool
2026	363,065	1.51	0.616	0.370	124,865
2036	357,290	1.79	0.616	0.370	145,772
Change to load	-1.9%	18.6%	0.0%	0.0%	16.7%

$XCool = Cooling \times CoolUseVariable \times Coeff \times Scaling\ Factor$

General Demand Input Variables – XOther

	Intensities							Econ + Struct	Reg		
	Vent	Water Heat	Cook	Refrig	Light	Office	Misc	Other Use Var	Coeff	Scaling Factor	Total XOther
2026	213,990	9,950	24,146	111,582	466,695	69,340	348,897	15.12	1.074	0.090	1,818,960
2036	203,052	9,611	20,414	103,001	366,231	95,671	363,512	16.48	1.074	0.090	1,849,930
Change to load	-1.0%	0.0%	-0.3%	-0.8%	-8.8%	2.3%	1.3%	9.0%	0.0%	0.0%	1.7%

$XOther = (Ventilation + Water\ Heat + Cooking + Refrigeration + Lighting + Office + Miscellaneous) \times$

$OtherUseVariable \times Coeff \times Scaling\ Factor$

Industrial Econometric Model Details

Small Industrial model

$$SmlInd_Sales_m = MBin.Jan_m + MBin.Feb_m + MBin.Mar_m + MBin.Apr_m + MBin.May_m + MBin.Jun_m + MBin.Jul_m + MBin.Aug_m + MBin.Sep_m + MBin.Oct_m + MBin.Nov_m + MBin.Dec_m + MBin.Oct22 + MBin.Jun25 + b1 \times MEcon.ManGDP$$

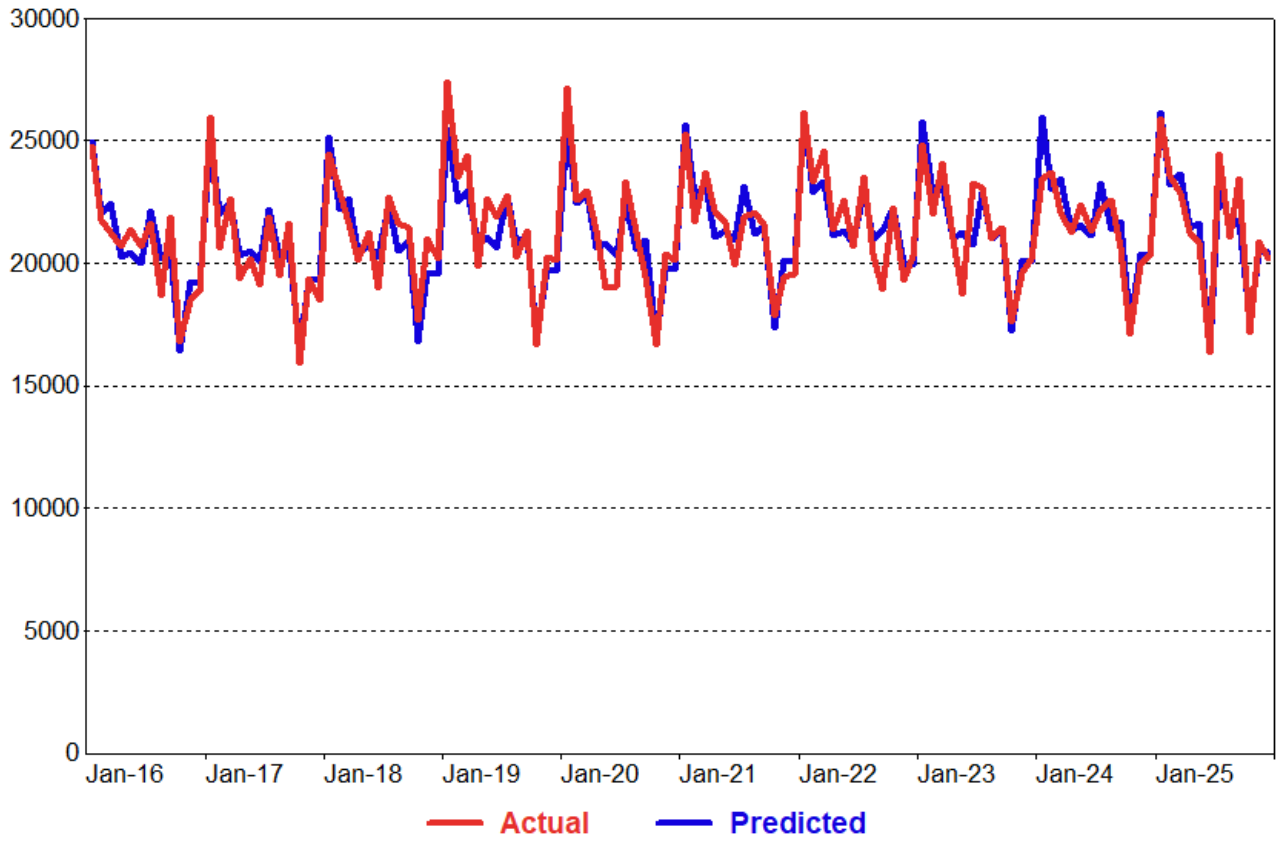
A binary variable was added for October 2022 to account for billing delays after hurricane Fiona and for June 2025 to account for billing issues due to the cyber incident.

Variable	Coefficient	StdErr	T-Stat	P-Value
MBin.Jan	19263.382	1445.250	13.329	0.00%
MBin.Feb	16286.911	1447.459	11.252	0.00%
MBin.Mar	16722.937	1449.668	11.536	0.00%
MBin.Apr	14551.632	1451.877	10.023	0.00%
MBin.May	14745.801	1454.087	10.141	0.00%
MBin.Jun	14294.453	1445.324	9.890	0.00%
MBin.Jul	16405.570	1458.506	11.248	0.00%
MBin.Aug	14492.590	1460.913	9.920	0.00%
MBin.Sep	14819.756	1463.321	10.127	0.00%
MBin.Oct	10702.179	1465.874	7.301	0.00%
MBin.Nov	13501.203	1468.135	9.196	0.00%
MBin.Dec	13453.224	1470.543	9.148	0.00%
MBin.Oct22	5080.713	1037.077	4.899	0.00%
MBin.Jun25	-4844.132	1047.311	-4.625	0.00%
MEcon.ManGDP	2.068	0.464	4.456	0.00%

Small Industrial Model Statistics

Model Statistics	
Iterations	1
Adjusted Observations	120
Deg. of Freedom for Error	105
R-Squared	0.832
Adjusted R-Squared	0.810
AIC	13.898
BIC	14.247
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-989.17
Model Sum of Squares	503,810,252.86
Sum of Squared Errors	101,514,692.65
Mean Squared Error	966,806.60
Std. Error of Regression	983.26
Mean Abs. Dev. (MAD)	733.14
Mean Abs. % Err. (MAPE)	3.44%
Durbin-Watson Statistic	2.132
Durbin-H Statistic	#NA
Ljung-Box Statistic	29.54
Prob (Ljung-Box)	0.2006
Skewness	-0.187
Kurtosis	3.126
Jarque-Bera	0.779
Prob (Jarque-Bera)	0.6773

Small Industrial Model Fit



Medium Industrial Model

$$MedInd_Sales_m = MBin.Jan_m + MBin.Feb_m + MBin.Mar_m + MBin.Apr_m + MBin.May_m + MBin.Jun_m + MBin.Jul_m + MBin.Aug_m + MBin.Sep_m + MBin.Oct_m + MBin.Nov_m + MBin.Dec_m + MBin.Jun25 + MBin.Sep25 + MBin.Oct25 + b1 \times MEcon.MIVar$$

Binary variables were added for June 2025, September 2025, and October 2025, to account for impacts from the cyber incident.

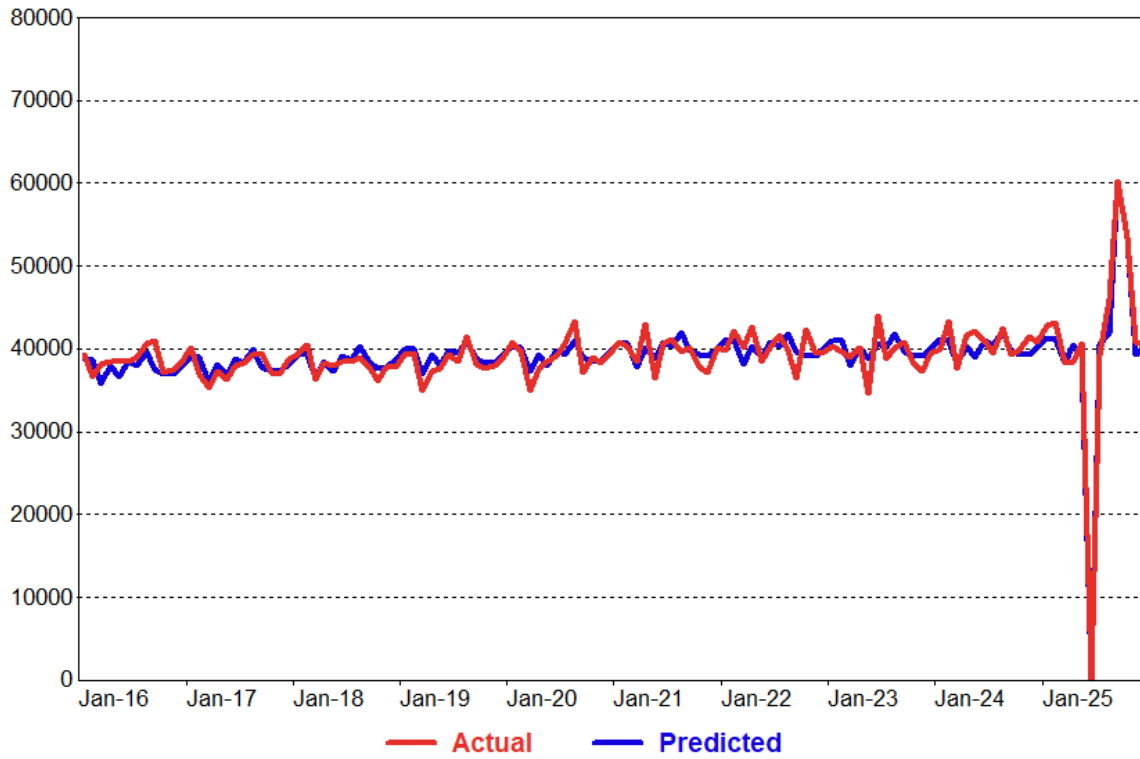
As discussed in **Sections 4.4, 7.0, and 7.2**, a historic period of 2016–2025 was used to fit the model, as with all other modelled classes. This is a change from previous Load Forecasts which used a longer time period. Also discussed in those sections, *MIVar* is a weighted variable that includes both manufacturing GDP and manufacturing employment (also an update from previous Load Forecasts which only used manufacturing employment). Both changes resulted in improved model fit compared to the formulation of previous years (R^2 increased to 0.894 compared to 0.688 in the 2025 Load Forecast).

Variable	Coefficient	StdErr	T-Stat	P-Value
MBin.Jan	22327.947	2932.687	7.613	0.00%
MBin.Feb	22223.607	2936.075	7.569	0.00%
MBin.Mar	19319.858	2939.463	6.573	0.00%
MBin.Apr	21453.659	2942.852	7.290	0.00%
MBin.May	20075.474	2946.240	6.814	0.00%
MBin.Jun	21951.342	2937.620	7.472	0.00%
MBin.Jul	21463.599	2953.017	7.268	0.00%
MBin.Aug	23071.886	2956.389	7.804	0.00%
MBin.Sep	20901.280	2948.602	7.089	0.00%
MBin.Oct	20335.913	2952.227	6.888	0.00%
MBin.Nov	20308.618	2966.505	6.846	0.00%
MBin.Dec	21172.388	2969.878	7.129	0.00%
MBin.Jun25	-40709.907	1623.731	-25.072	0.00%
MBin.Sep25	20398.849	1622.852	12.570	0.00%
MBin.Oct25	13988.809	1622.599	8.621	0.00%
MEcon.MIVar	21525.862	3465.783	6.211	0.00%

Medium Industrial Model Statistics

Model Statistics	
Iterations	1
Adjusted Observations	120
Deg. of Freedom for Error	104
R-Squared	0.907
Adjusted R-Squared	0.894
AIC	14.793
BIC	15.164
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,041.83
Model Sum of Squares	2,380,727,006.28
Sum of Squared Errors	244,172,773.88
Mean Squared Error	2,347,815.13
Std. Error of Regression	1,532.26
Mean Abs. Dev. (MAD)	1,082.25
Mean Abs. % Err. (MAPE)	2.74%
Durbin-Watson Statistic	2.131
Durbin-H Statistic	#NA
Ljung-Box Statistic	39.23
Prob (Ljung-Box)	0.0258
Skewness	0.270
Kurtosis	3.399
Jarque-Bera	2.255
Prob (Jarque-Bera)	0.3238

Medium Industrial Model Fit



Combined Model for Commercial and Industrial DSM Coefficient

$$NonResSales_m = b1 \times NonResEESavingsProfiled_m + b2 \times GenWtXHeat_m + b3 \times GenWtXCool_m + b3 \times GenWtXOther_m + b4 \times NonResCustomers_m + \sum Binaries$$

Weighted X variables from the General Service model were used to represent the underlying end uses in conjunction with the non-residential portion of historical DSM savings, as well as the number of non-residential customers to help explain underlying sales trends over time. Binary variables were added for May and June 2020, October 2022, and June and December 2025 for problems with the billing. Binaries were also added for February 2018 and for the years 2021-2024 to improve model fit.

Variable	Coefficient	StdErr	T-Stat	P-Value
MSales.EESavingsProfiled	-0.539	0.170	-3.169	0.20%
MStructGen.WtXCool	0.457	0.046	9.840	0.00%
MStructGen.WtXHeat	0.835	0.042	19.956	0.00%
MStructGen.WtXOther	0.919	0.351	2.618	1.01%
MSales.NonResCusts	3.823	1.365	2.801	0.60%
MBin.Feb18	34649.566	11335.542	3.057	0.28%
MBin.Oct22	38145.269	11436.728	3.335	0.12%
MBin.May20	-46818.336	11373.473	-4.116	0.01%
MBin.Jun20	-46079.706	11411.404	-4.038	0.01%
MBin.Yr21to24	-7286.069	2471.848	-2.948	0.39%
MBin.Dec25	-30908.270	11390.146	-2.714	0.77%
MBin.Jun25	-63681.455	11323.973	-5.624	0.00%

The coefficient on the EESavings variable represents the amount of DSM needed to explain historical sales trends beyond the changes in the underlying end-uses.

Combined Model Statistics

Model Statistics	
Iterations	1
Adjusted Observations	120
Deg. of Freedom for Error	108
R-Squared	0.847
Adjusted R-Squared	0.832
AIC	18.733
BIC	19.012
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-1,282.27
Model Sum of Squares	74,502,165,393.92
Sum of Squared Errors	13,431,218,406.77
Mean Squared Error	124,363,133.40
Std. Error of Regression	11,151.82
Mean Abs. Dev. (MAD)	8,347.39
Mean Abs. % Err. (MAPE)	2.68%
Durbin-Watson Statistic	1.810
Durbin-H Statistic	#NA
Ljung-Box Statistic	36.56
Prob (Ljung-Box)	0.0483
Skewness	0.188
Kurtosis	2.920
Jarque-Bera	0.735
Prob (Jarque-Bera)	0.6923

Peak Forecast (Non-Large Customer Classes¹)

The long-term system peak forecast for the non-large customer classes is derived through a monthly peak linear regression model that relates monthly peak demand (excluding large customer contribution) to heating, cooling, and base load requirements, as well as average daily wind:

$$Peak_m = b1 \times HeatVar_m + b2 \times CoolVar_m + b3 \times BaseVar_m + b5 \times PkWindVar_m + \sum Binaries$$

The model variables (*HeatVar_m*, *CoolVar_m*, and *BaseVar_m*) incorporate changes in heating, cooling, and base-use energy requirements (which are derived from the class sales forecast models) as well as peak-day weather conditions.

The composition of the models allows historical and forecast heating and cooling load requirement to be estimated. The model coefficients for the heating (*XHeat*) and cooling variables (*XCool*) combined with heating and cooling variable for calendar-month normal weather conditions produce an estimate of the monthly heating and cooling load requirements.

Heating requirements are calculated as:

$$HeatLoad_m = B_1 \times ResXHeat_m + C_1 \times SmlGSXHeat_m + D_1 \times GSXHeat_m$$

Where *B₁*, *C₁*, and *D₁* are the coefficients on *XHeat* in the Residential, Small General Service, and General Service sales forecast models.

Cooling requirements are estimated in a similar manner. Cooling requirements are calculated as:

$$CoolLoad_m = B_2 \times ResXCool_m + C_2 \times SmlGSXCool_m + D_2 \times GSCool_m$$

Where *B₂*, *C₂*, and *D₂* are the coefficients on *XCool* in the residential, Small General Service, and General Service sales forecast models.

¹ Note, In previous Load Forecasts the term “Accrued Classes” was used instead.

In constructing the monthly peak model variables, the heating and cooling load requirements are normalized for the number of days and hours in the month by expressing heating and cooling load requirements on an average MW load basis:

$$HeatAvgMW_m = HeatLoad_m / Days_m / 24$$

$$CoolAvgMW_m = CoolLoad_m / Days_m / 24$$

The impact of peak-day weather conditions are then captured by interacting peak-day HDD and CDD with average monthly heating and cooling load requirements. *HeatAvgMW* and *CoolAvgMW* are interacted with peak-day *HDD* and *CDD* indexes, which allows the impact of peak-day *HDD* and *CDD* to change over the estimation period as the underlying heating and cooling load requirements change.

The peak model heating and cooling variables are calculated as:

$$HeatVar_m = HeatAvgMW_m \times PkHDDIdx_m \quad CoolVar_m = CoolAvgMW_m \times PkCDDIdx_m$$

The peak model base load variable (*BaseVar_m*) is constructed to capture the impact of loads that are not weather sensitive on peak, including residential, commercial, other end-use components along with industrial and unmetered sales. Base load requirements are calculated as:

$$BaseVar_m = \sum C_m \times mBin \times OtherLoad_m$$

Where the *C_m* coefficients are regression coefficients associated with the portions of *OtherLoad_m*, corresponding to a specific month of the year. In this way *BaseVar_m* measures the strength of the non-weather sensitive load drivers in each month of the year. *OtherLoad_m* is comprised of:

$$OtherLoad_m = ResOther_m + SmlGSOther_m + GSOther_m + SmIndSales_m + MedIndSales_m + UnMSales_m$$

Where *ResOther_m*, *SmlOther_m* and *GSOther_m* are the non-weather dependent portion of the sales model (including embedded DSM). For example, the energy sales model can be written as:

$$ResSales = b1 \times ResXHeat + b2 \times ResXCool + ResOther$$

Where *b1* and *b2* are regression coefficients found after running the sales model. *ResOther* can be

written as:

$$ResOther_m = ResSales_m - b1 \times ResXHeat_m - b2 \times ResXCool_m$$

In this way, $ResOther_m$ (and $SmlOther_m$ and $GSOther_m$) carries the non-weather dependent variables, including past energy-related DSM activity into the peak model, whose impact was assessed through specific coefficients in the energy sales model.

The $OtherLoad_m$ requirements are normalized for the number of days and hours in the month by expressing the load requirements on an average MW load basis:

$$OtherAvgMW_m = OtherLoad_m / Days_m / 24$$

The $PkWindVar_m$ is the average daily windspeed on monthly peak days.

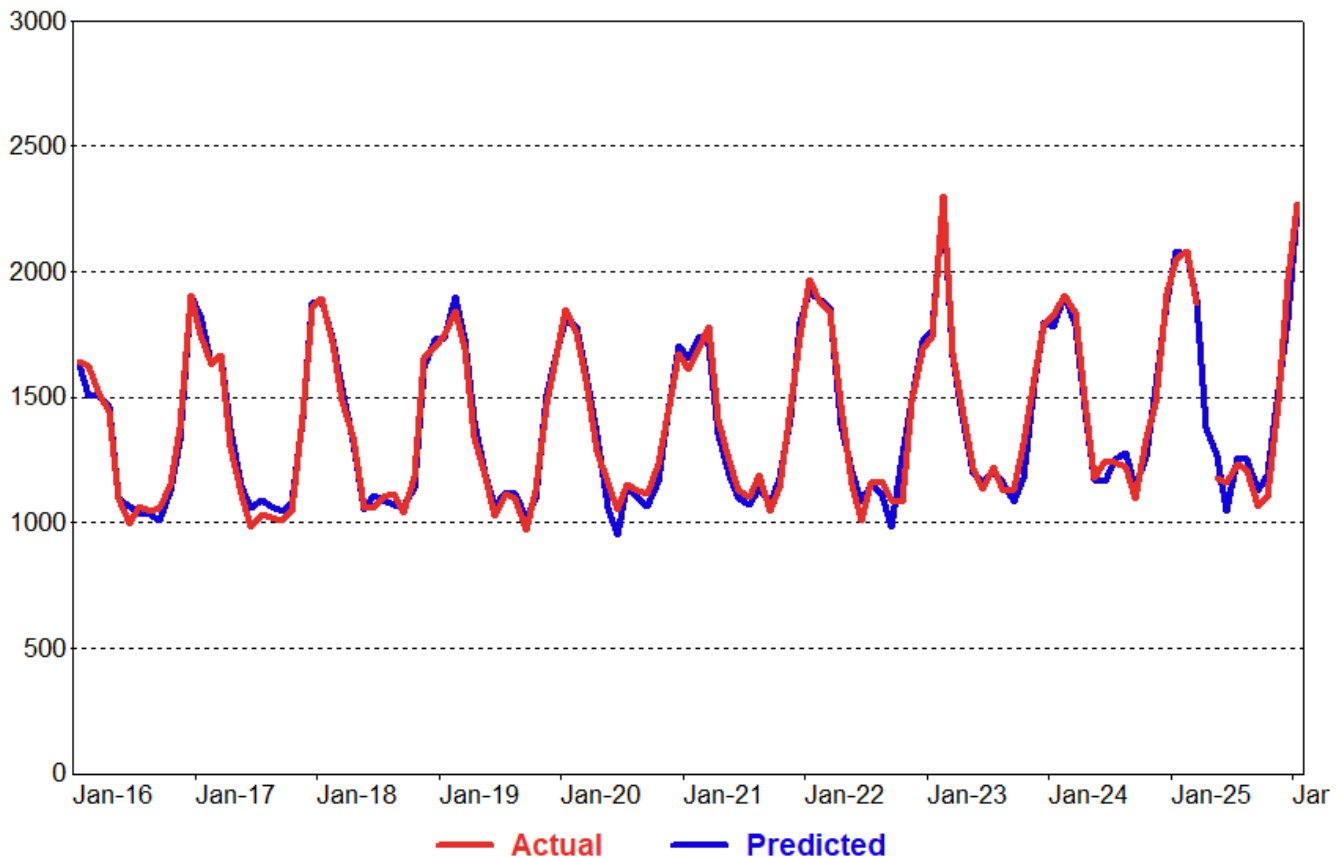
Variable	Coefficient	StdErr	T-Stat	P-Value
mVarsNew.Heat_Var	1.605	0.097	16.529	0.00%
mVarsNew.Cool_Var	0.944	0.185	5.111	0.00%
mVarsNew.Jan_Other	1.066	0.115	9.294	0.00%
mVarsNew.Feb_Other	1.065	0.126	8.470	0.00%
mVarsNew.Mar_Other	1.247	0.104	11.977	0.00%
mVarsNew.Apr_Other	1.476	0.069	21.505	0.00%
mVarsNew.May_Other	1.543	0.050	30.839	0.00%
mVarsNew.Jun_Other	1.732	0.042	41.387	0.00%
mVarsNew.Jul_Other	1.641	0.076	21.539	0.00%
mVarsNew.Aug_Other	1.472	0.082	18.002	0.00%
mVarsNew.Sep_Other	1.510	0.042	35.594	0.00%
mVarsNew.Oct_Other	1.536	0.040	38.659	0.00%
mVarsNew.Nov_Other	1.665	0.066	25.312	0.00%
mVarsNew.Dec_Other	1.440	0.105	13.680	0.00%
mPkDayWthr.PkWind	5.113	0.917	5.576	0.00%

Peak Model Statistics

Model Statistics	
Iterations	1
Adjusted Observations	120
Deg. of Freedom for Error	105
R-Squared	0.975
Adjusted R-Squared	0.971
AIC	8.140584
BIC	8.489021
F-Statistic	#NA
Prob (F-Statistic)	#NA
Log-Likelihood	-643.70767
Model Sum of Squares	12,408,504.462
Sum of Squared Errors	320,640.512
Mean Squared Error	3,053.71916
Std. Error of Regression	55.26047
Mean Abs. Dev. (MAD)	40.53043
Mean Abs. % Err. (MAPE)	3.13%
Durbin-Watson Statistic	1.893
Durbin-H Statistic	#NA
Ljung-Box Statistic	30.28
Prob (Ljung-Box)	0.1758
Skewness	0.249
Kurtosis	4.070
Jarque-Bera	6.960
Prob (Jarque-Bera)	0.0308

Peak Model Fit

As seen in the figure below (and in the model statistics above), this approach produces a good fit with historical data. Although it was not possible to produce a peak model with an explicit peak DSM variable (like the Residential model) as the associated parameters are insignificant, the indirect effects of energy related DSM in the historical data from the end use model are carried over into the peak model. Assuming there is a relationship between the DSM applied to peak savings and DSM applied to energy savings, this will result in a similar amount of DSM embedded in the peak forecast, either through the embedded portion of energy sales DSM that is present on the *OtherLoad_m* or embedded on the accrued demand information measured at the system level.



Appendix C

Forecast Comparison and Accuracy

Figure C1: Total Nova Scotia Energy Requirement (NSR)

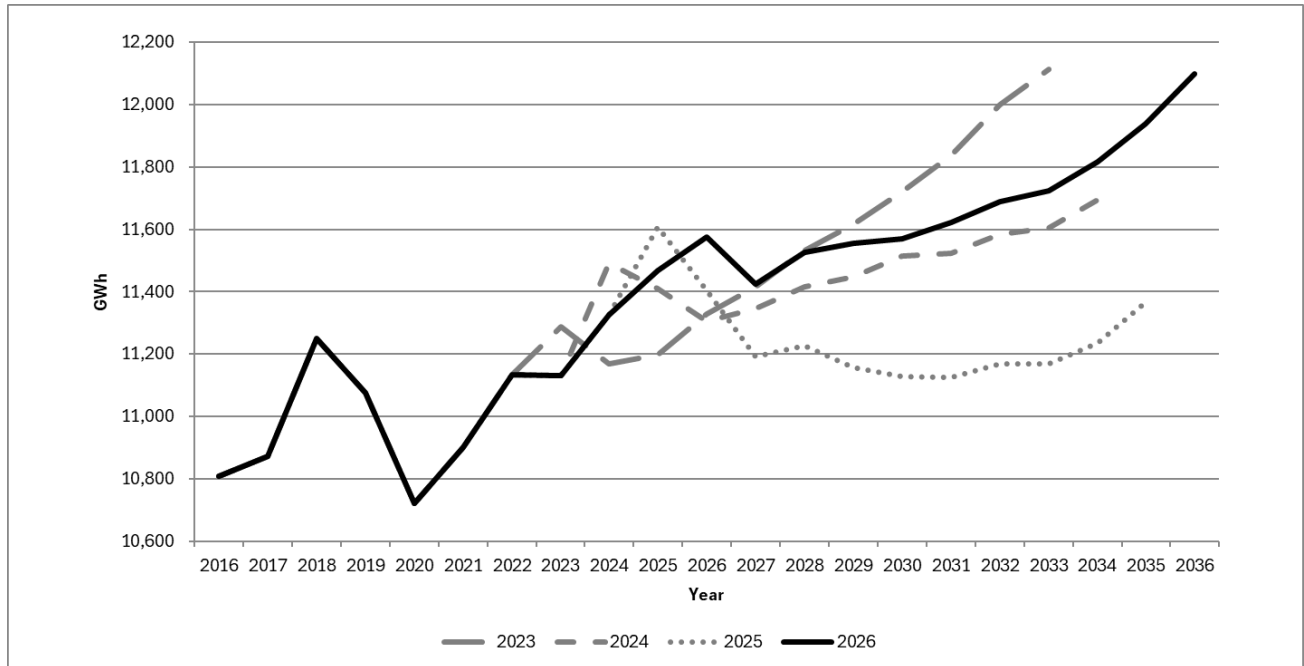


Figure C2: System Peak Demand

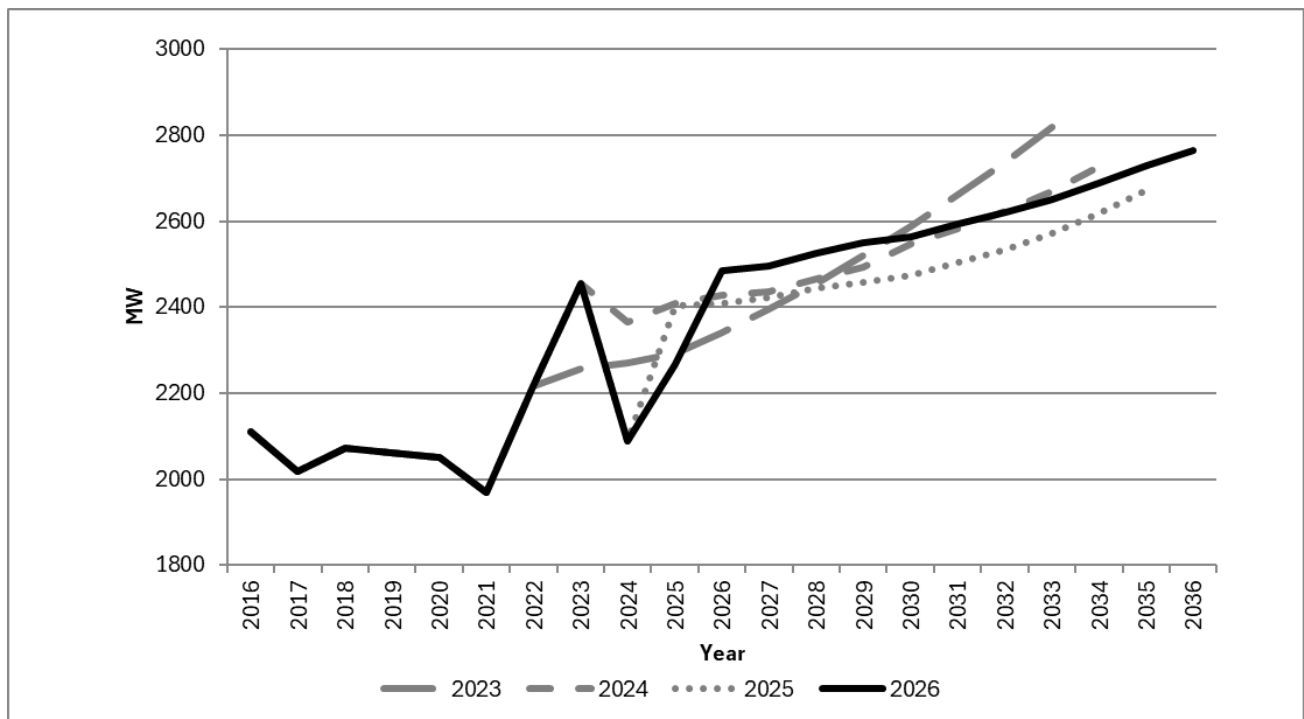


Figure C3: Firm Peak Demand

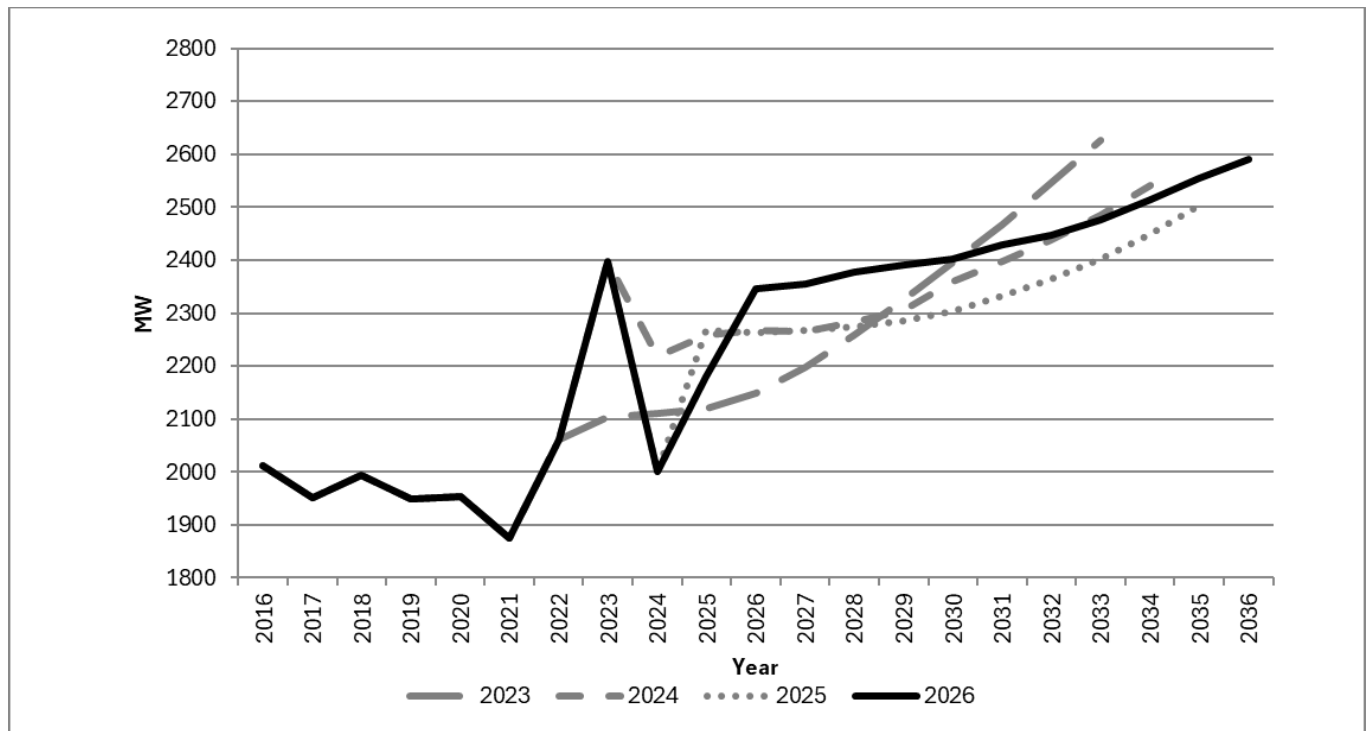


Figure C4 below provides an overview of the energy forecast accuracy. For these calculations, the load of the major pulp and paper mills is removed from the net system requirement as these contribute a significant amount of unforeseeable variance to the results. The rows show each years' 10-year forecast series with the forecast mill load removed. The row labeled "Actuals less mills" is the actual NSR with mill load removed. Each forecast year is compared to the corresponding actual value, and a 10-year average is calculated based on number of years out in the forecast series. So, a lead time of 1 would correspond to the average error of all the forecast first year estimates versus the corresponding actual value. The statistics show that on a 5-year basis the error (mean absolute percent error, or MAPE) averages 2.8 percent. Beyond 5 years the accuracy diminishes. **Figure C5** provides the same analysis for the firm peak load (the mills are not considered part of the firm load). As the peak is much more sensitive to weather, the error is larger, but averages 5.4 percent in the first 5-year period, with accuracy diminishing in later years. **Figure C6** provides the system peak accuracy, with an average of 5.6 percent in the first 5-year period.

[illegible]

NSR less mills										
Forecast	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:
<u>Statistics</u>										
Lead Time (Years):	1	2	3	4	5	6	7	8	9	10
No. Observations:	10	9	8	7	6	5	4	3	2	1
Average percent Error:	-0.5%	-1.1%	-1.7%	-2.2%	-2.7%	-4.1%	-5.5%	-5.8%	-6.6%	-10.8%
MAPE:	2.4%	2.3%	1.9%	3.3%	3.8%	4.3%	5.5%	5.8%	6.6%	10.8%

[illegible]

Firm Peak										
Forecast	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:
<u>Statistics</u>										
Lead Time (Years):	1	2	3	4	5	6	7	8	9	10
No. Observations:	10	9	8	7	6	5	4	3	2	1
Average percent Error:	0.9%	0.1%	-0.6%	-1.2%	-1.9%	-3.5%	-6.9%	-8.3%	-6.4%	-15.5%
MAPE:	5.2%	4.5%	5.3%	5.7%	6.3%	4.2%	8.8%	10.2%	6.4%	15.5%

[illegible]

System Peak										
Forecast	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:	Forecast for:
<u>Statistics</u>										
Lead Time (Years):	1	2	3	4	5	6	7	8	9	10
No. Observations:	10	9	8	7	6	5	4	3	2	1
Average percent Error:	3.6%	3.1%	2.4%	1.8%	0.8%	-0.9%	-4.3%	-5.1%	-3.6%	-12.7%
MAPE:	6.6%	5.1%	5.4%	5.2%	5.6%	3.4%	7.8%	8.8%	3.6%	12.7%

Appendix D

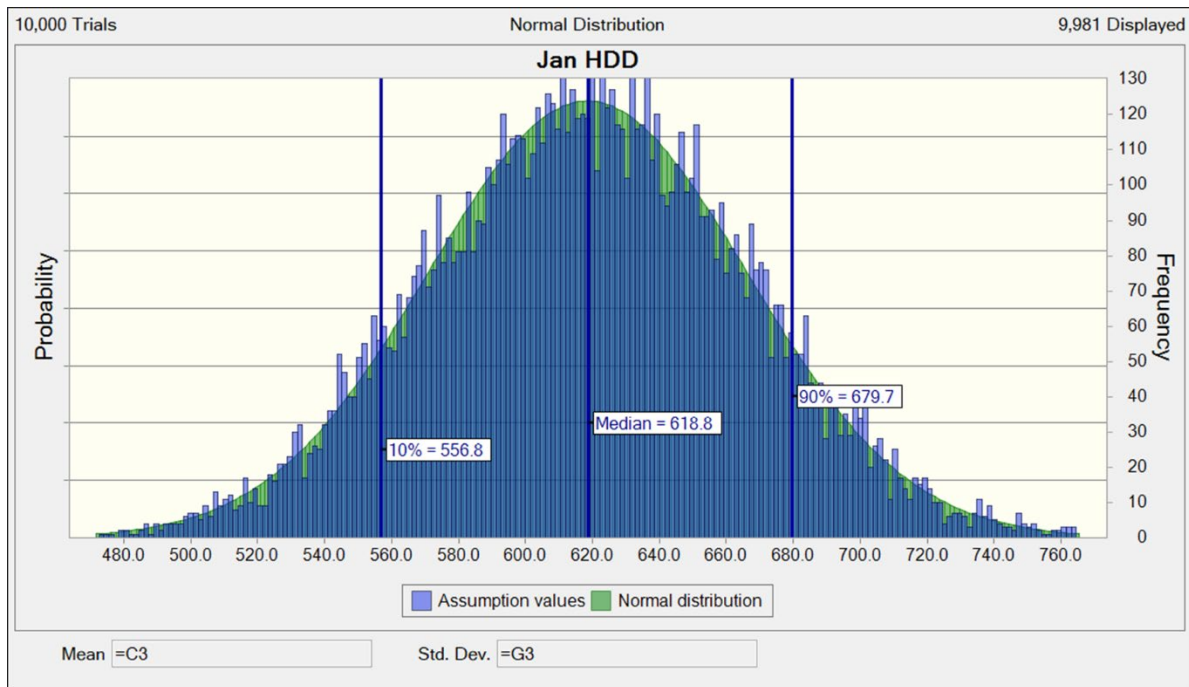
Forecast Sensitivity Analysis

Sensitivity Analysis

The P10/P90 sensitivity analysis used Monte Carlo simulation for the economic and weather variables. The algorithm uses the following sequence:

1. Once the deterministic SAE class regression models are completed, the regression coefficients are exported into the Monte Carlo tool, called Oracle Crystal Ball (MS Excel add-on).
2. The Monte Carlo process assumes that the regression coefficients are held constant throughout the simulation, the historical variation of the inputs (predictors, independent variables) will affect the forecast prediction, in a probabilistic way. In other words, the simulations help to understand how the underlying SAE forecast responds to changes to the inputs based on historical variation.
3. For 2024 the historical variation of monthly and peak day weather (20 years of hourly temperatures expressed in HDDs and CDDs) and economic drivers (20 years of annual data, as obtained from Conference Board of Canada Economic models) was used.
4. The variation of the weather and economic drivers is treated as Normal distributions (see **Figure D1**).

Figure D1: Distribution of January HDD



5. Oracle's Crystal Ball runs about 10,000 trials, taking a random set of numbers from the relevant variables for each trial. For example, the random HDD variable for January (above), would have a Normal distributed weight, meaning that after 10,000 trials, a histogram of the variable will have an average and standard deviation that coincides with the distribution of the last 20 years.
6. Incorporating variability in the individual end uses is still in progress, as it is difficult to produce a distribution for historical end use data. EIA and NRCAN have revised their historical data sets in recent years, making historical variation studies challenging. However, as noted in previous sections, heat pumps are included in the input SAE models, and therefore their contributions to load will have an impact in the simulations as well.
7. At the end of the Monte Carlo run, 10,000 output forecast points are produced, each year represented by 10,000 possible outputs, with Normal distributed averages and standard deviations, which are the result of the different combination of the random variable trials.

These distributions are shown in **Figure D2** for energy and **Figure D3** for peak (both before the impact of DSM). 10th (10%) and 90th (90%) percentiles can easily be obtained from Normal distributions and so they are highlighted in D2.

Figure D2: Distribution of Energy (Before DSM)

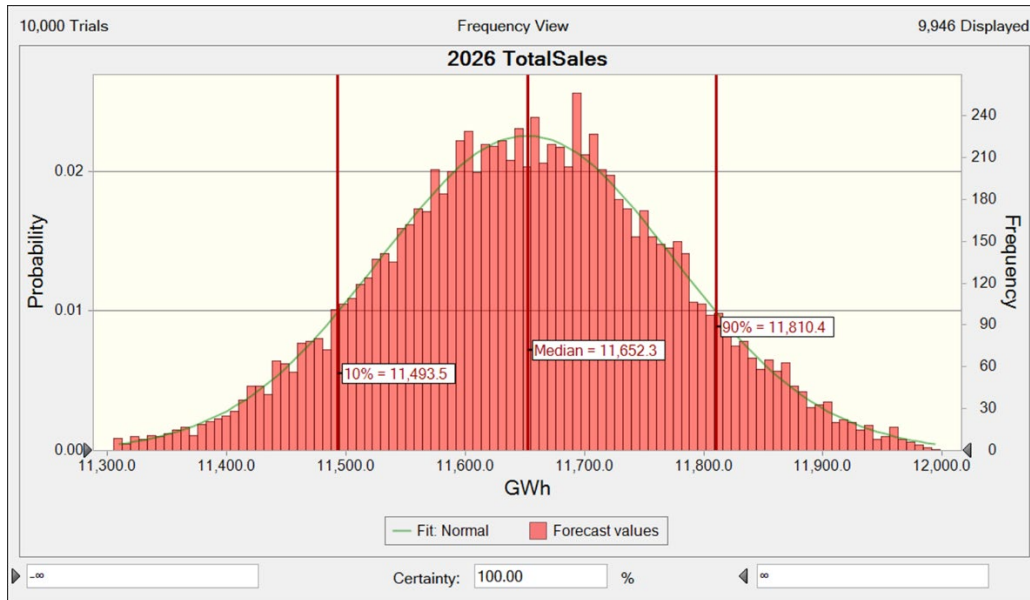
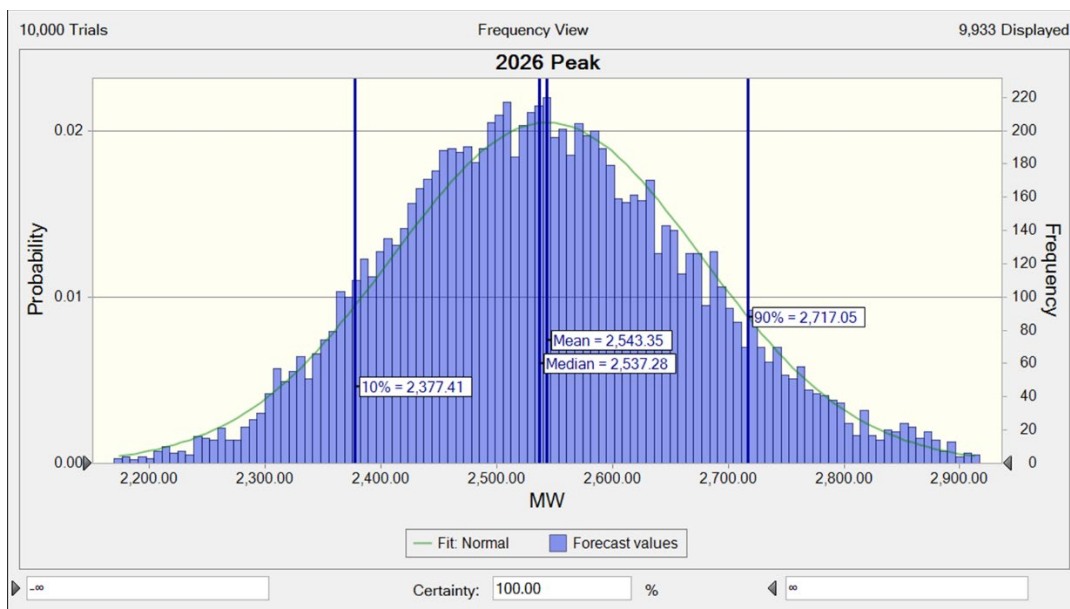


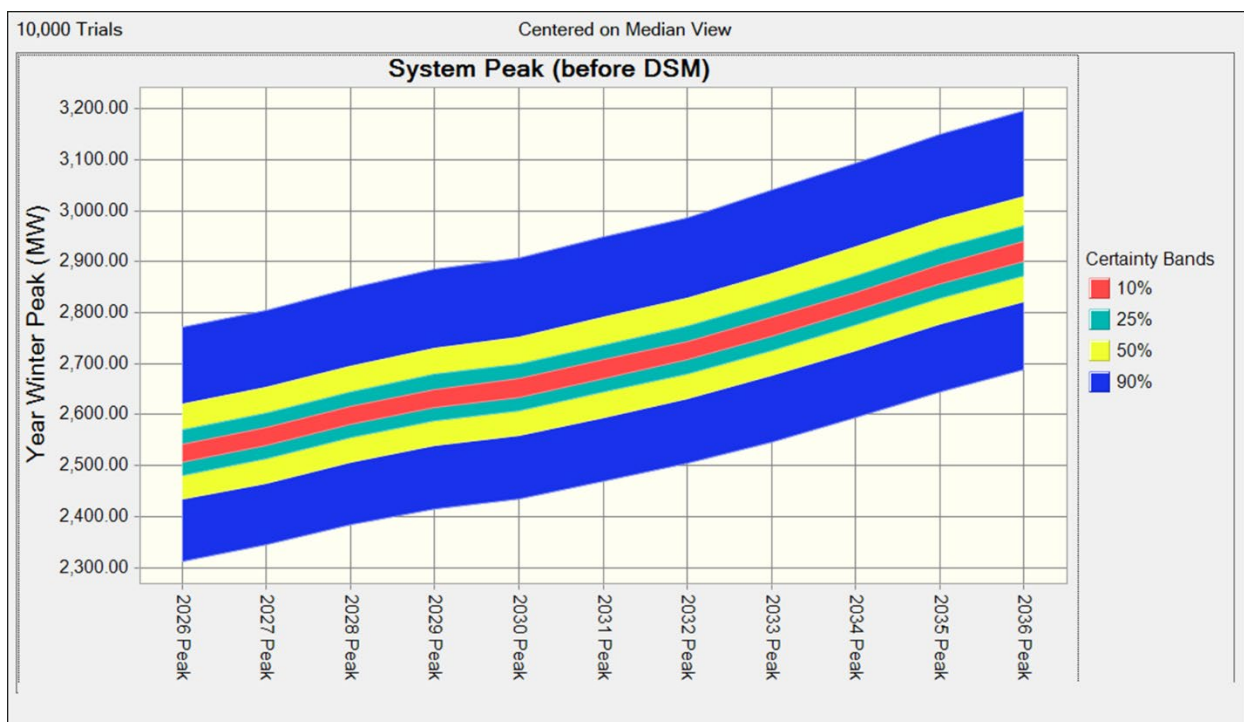
Figure D3: Distribution of Peak (Residential, Small General and General Demand, Small Industrial and Medium Industrial – “Non-large customer classes”)



8. From these annual forecast distributions, the various probabilistic forecasts can be obtained as well as sensitivity diagrams that show the relative impact of the variables in each year.

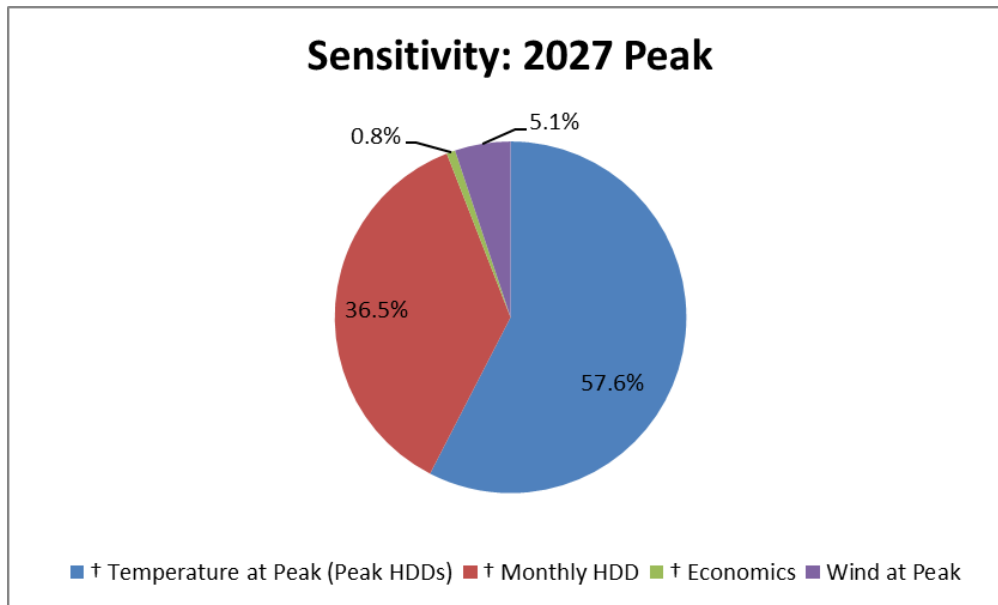
In **Figure D4** the probabilities of system peak forecasts (before DSM) around the median are shown. The area contained between blue borders represents a range of peaks that has a 90% chance of occurring; the yellow area highlights a 50% chance, and so on.

Figure D4: Peak Forecast (Residential, Small General and General Demand, Small Industrial and Medium Industrial – “Non-large customer classes”))



The asymmetry in this figure, seen as the off-center median, is explained by the bias introduced by plotting the maximum monthly Peak of a given year. Every month has a normal distributed daily Peak HDD, however by using the MAX function a skewed quasi-normal distribution is created when it selects the maximum Peak HDD from the 12 available months. As shown in **Figure D5**, Peak Demand and its associated SAE model is as sensitive to Monthly HDD as it is the Peak HDD temperature (which is based on a 12-hour average). This is because year-long residential heating had an impact on sales, and therefore, that impact (sensitive to monthly variations) was translated into Peak Demand.

Figure D5: Relative Sensitivity of Peak



In terms of the sensitivity of the energy sales forecast to the various input variables, **Figures D6 and D7** show that in the near term, weather represents the strongest sensitivity, while in the long term, economics becomes equally as important as weather. This is mainly due to the compounding effect of economics over time, as opposed to weather which will only impact a particular year. By 2036 the cumulative impact of the economic variables makes economics rival weather in forecast sensitivity. The monthly (rather than cumulative) nature of HDD means it has much less relative impact in the long term.

Figure D6: Sensitivity of Energy Forecast (2027)

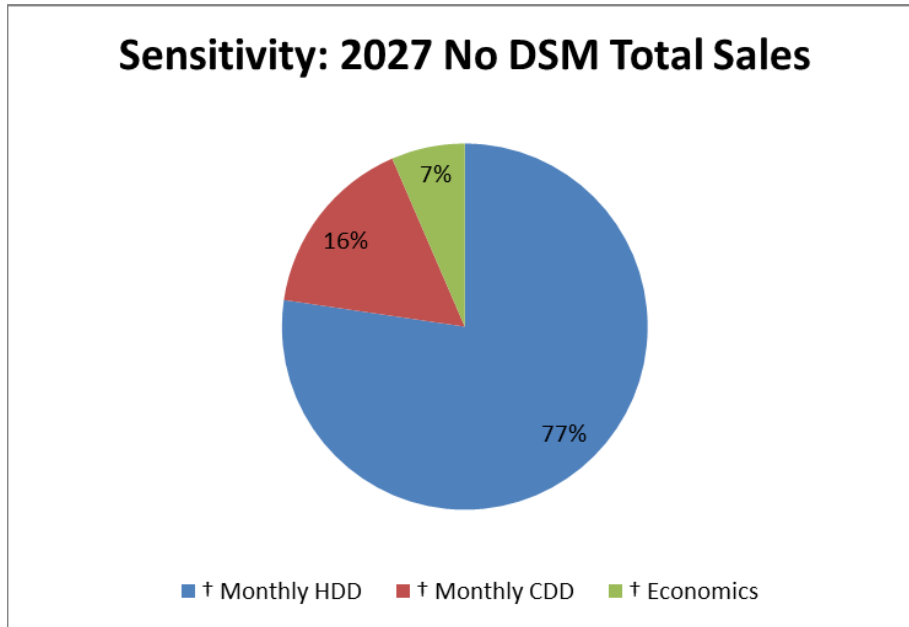
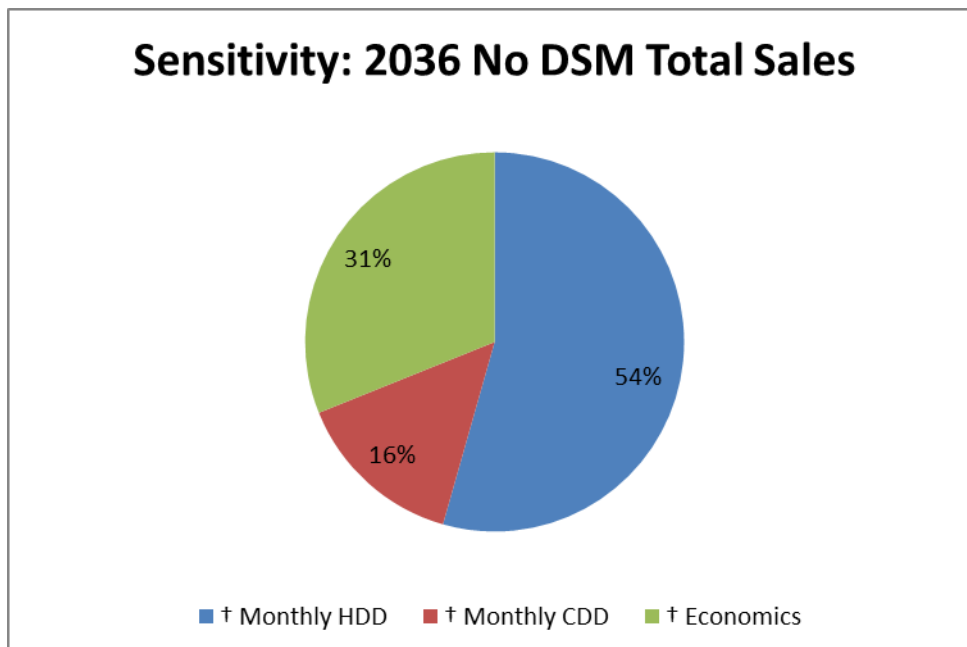


Figure D7: Sensitivity of Energy Forecast (2036)



In terms of relative magnitude of the sensitivities, DSM has the largest impact on both energy and peak demand, while Solar, [REDACTED] and EVs and potential hydrogen facilities could all have a significant impact on energy and EVs, hydrogen facilities and batteries could have a significant impact on peak. **Figure D8** shows the relative impact of these items.

Figure D8: Relative Impact of Inputs

Item	2026 Energy (GWh)	2026 Peak (MW)	2036 Energy (GWh)	2036 Peak (MW)
Included in Forecast				
DSM (base case)	-116	-19	-1150	-248
Solar PV	-169	0	-710	0
EV (current forecast)	54	9	1072	157
Other Possible Scenarios				
EV (maximum non-coincident peak)	54	12	1072	218
2 Hydrogen Production Facilities (firm supply portion)	0	0	650	130
Battery (5% share by 2036)	0	0	0	-140
Weather/Economics P10/P90	+/-244	+/-176	+/-292	+/-196
Price Elasticity of -0.3 (2x current elasticity of -0.15)	-18	-6	-88	-26

At this time, any potential impacts of the proposed hydrogen facilities on the NS Power's Net System Requirement and System Peak are still being evaluated. NS Power understands that two proposed projects have indicated a potential combined firm demand of 130 MW, which is reflected in **Figure D8**. In this sensitivity, the energy required by the facilities is assumed to be mostly self-supplied, with some top up supply from NS Power. The development of this new sector will continue to be monitored in future Load Forecast Reports.



10-year Preliminary Load Forecast

April 7, 2026

Purpose

As in previous years, this presentation on the preliminary 2026 Load Forecast provides an opportunity to discuss the forecast and allow stakeholders to ask questions and provide feedback. This allows for feedback to be integrated in the final report prior to filing, as appropriate.

Agenda

- Summary of changes from 2025 Load Forecast
- Preliminary results by rate class
- Preliminary system and peak forecast
 - Discussion of 2026 system peak and peak model updates

Timeline

- December 2025: NSEB 2025 Load Forecast Decision released.
- December 2025 – March 2026: 2026 Load Forecast preparation.
- April 2026: Stakeholder meeting to discuss updates and preliminary results.
- April 30, 2026: 2026 Load Forecast Report submitted to the NSEB.

Changes From 2025

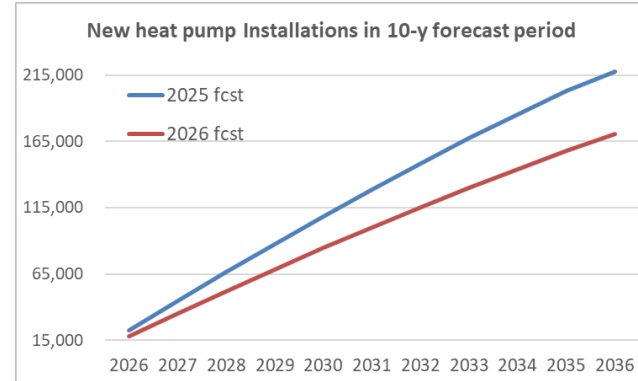
Input	Update
Heat pumps, EVs, Solar	Forecasts updated based on most recent install numbers and policy/incentive landscape.
Residential hybrid heating assumptions*	Hybrid impact modelled by NS Power based on AMI data; results incorporated into 2026 Load Forecast.
Heat Pump Water Heaters*	Introduced as a separate End-Use in Residential model.
RTR	Delayed migration, changed class distribution.
Peak Model	Updated based on analysis of 2026 system peak (25 th January).

**Specific directives from the 2025 Load Forecast*

Heat Pump Installations

- 2025 saw ~1000 fewer new installs than forecast.
- Reduced forecast in the 2026 Load Forecast compared to 2025 due to reduced financial incentives:
 - Oil to Heat Pump Affordability (OHPA) program and Home Heating System Rebates reduced in 2025 and discontinued at the end of the year.
 - The 2026 Load Forecast is forecasting ~4,000 fewer installs per year compared to the 2025 Load Forecast.

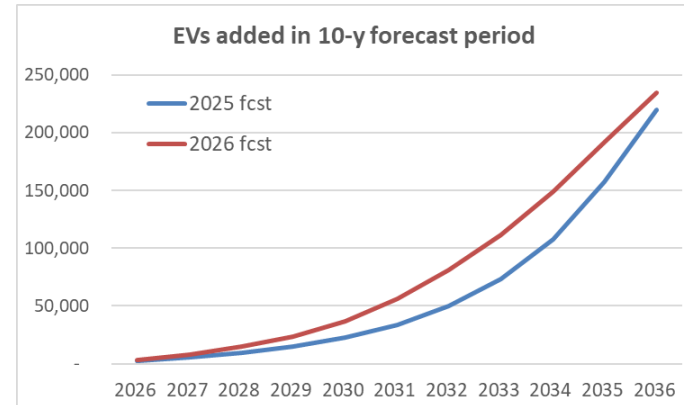
	Heat Pump Heating (GWh)			Heat Pump Cooling (GWh)		
Year	2025 forecast	2026 forecast	d	2025 forecast	2026 forecast	d
2035	1827	1596	-231 (-12.6%)	265	213	-52 (-19.6%)



EV Load

- 2025 sales higher than forecast in spite of the cancellation of federal and provincial rebates (2,400 vs forecast of 1,700).
- 75% ZEV target by 2035 in the-2026 Load Forecast, vs 100% in the 2025 Load Forecast in alignment with the federal government's current goals.
- Individual vehicle load assumptions unchanged from the 2025 Load Forecast.

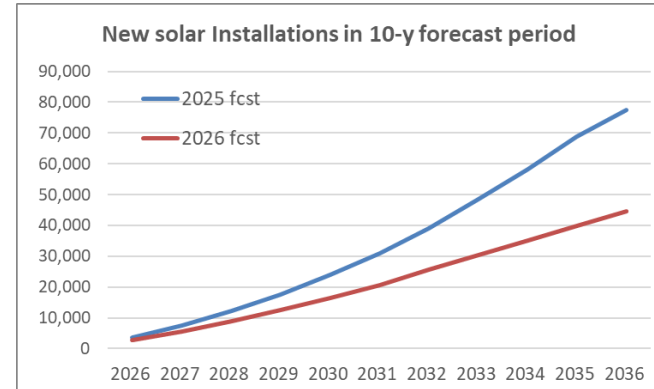
Year	Energy (GWh)			Peak (MW)		
	2025 forecast	2026 forecast	d	2025 forecast	2026 forecast	d
2035	708	856	+148 (21%)	104	125	+21 (20%)



Behind the Meter Solar

- Slower uptake in 2025 than forecast (~2,000 installs vs 3,085 forecast).
- Canada Greener Homes Loan and provincial solar rebates ended in 2025.
- Residential y-y growth lowered in the 2026 Load Forecast, compared to the 2025 Forecast.

	Total (GWh)		
Year	2025 forecast	2026 forecast	d
2035	-875	-511	+364 (42%)



Residential hybrid heating (1)

- NS Power modelled the system impact of potential hybrid heating programs using a residential electric heating load shape derived from AMI data.
 - Multiple hybrid event “trigger scenarios” & participation rates were considered (modelling discussed on next slide).
- For the 2026 Load Forecast:
 - **Peak reduction:** E3’s peak-mitigation estimate of -48 MW by 2036 used in prior-forecasts was retained as it falls within the range of modelled results.
 - **Energy reduction:**
 - The previously-used estimate of -200 GWh from E3 exceeds all modelled outcomes.
 - The median modelled outcome of -85 GWh by 2036 was therefore used for the 2026 forecast.
- **Hybrid heating represented as a distinct end-use in residential SAE regression model to reflect these modelled results.**

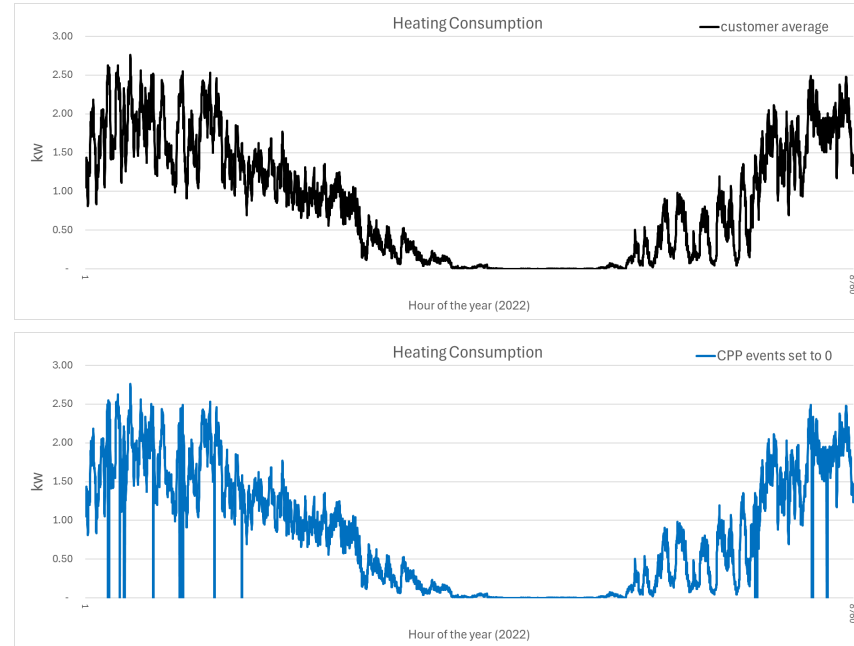
Range of modelled residential hybrid heating impacts in 2036

	Min	Max
Peak (MW)	-18	-72
Energy (GWh)	-20	-93

**excludes results from 100% participation scenario*

Residential hybrid heating (2)

- Modelling used a baseline residential electric heating load shape derived from AMI data.
 - Disaggregated from household consumption (heat pump owners only).
 - n = 22,130.
- Heating consumption set to zero for several potential hybrid event trigger conditions including CPP events and hours when $T < -10^{\circ}\text{C}$.
- Participation rates were modelled as % of forecast heat pump installs for customers that do not already have electric heating.



Heat Pump Electric Water Heaters

- Modelled as a separate end-use to “standard” electric water heaters.
- Intensity and saturation estimates provided by EfficiencyOne:
 - **Intensity (kwh):** 40% of standard electric water heater intensity.
 - **Saturation:** currently 1.4%, expected to rise to 3.2% by 2036.

Year	Saturation (%)		Load (GWh)	
	standard	HP	standard	HP
2036	82.2	3.2	779	12

*Reduction of around 18 GWh in 2036
due to HP Electric Water Heaters*

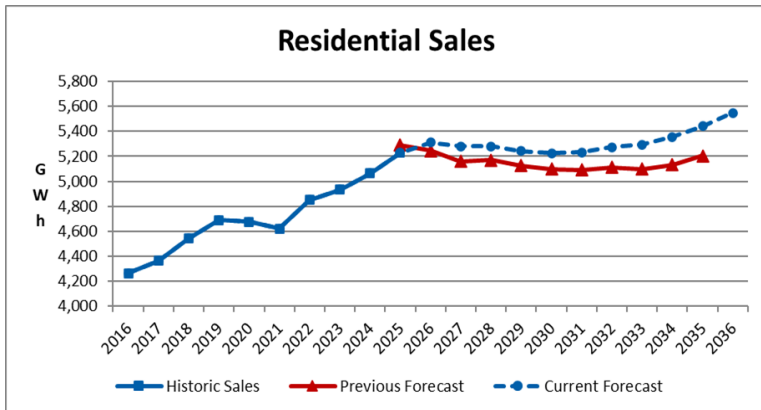
Renewable to Retail

- Values updated per Renewall forecast provided to NS Power in March 2026.
- In the 2025 Load Forecast, load was expected to migrate from the system in mid-2026 with full capacity reached in 2027. Renewall's latest forecast now anticipates load migration starting in late 2026, reaching full capacity in 2028. The 2026 Load Forecast has been updated accordingly.
- Forecast shares across classes have also altered (less in Residential and Medium Industrial, more across the other classes, especially General Demand).

Class	2025 Forecast (GWh)	2026 Forecast (GWh)
Residential	117	49
Commercial	176	255
Industrial	128	117
Total	421	421

Forecast Comparison – Residential

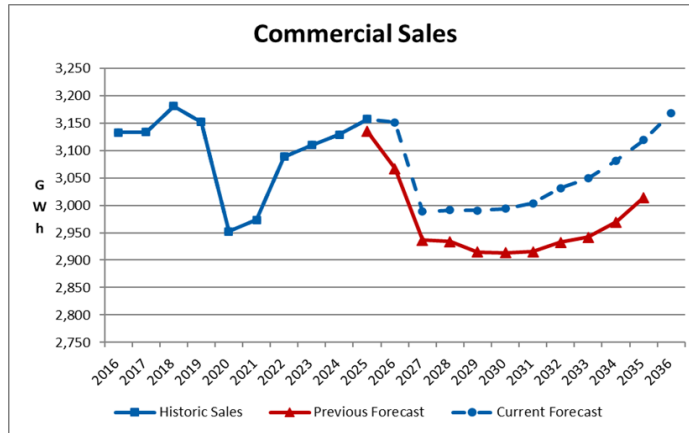
- Sales in 2025 were close to forecast. Over the 2026 Load Forecast period, the primary driver of change compared to the 2025 Load Forecast is less solar generation (+) combined with higher EV sales (+).
 - Less RTR migration (+), lower heat pump penetration (-) and a delayed, weaker hybrid impact (+) are other factors.



	2025 Fcst (GWh)	2026 Fcst (GWh)	D
2035	5,205	5,442	+237 (4.6%)
Growth (10y avg)	-0.2% / y	0.4% / y	

Forecast Comparison – Commercial

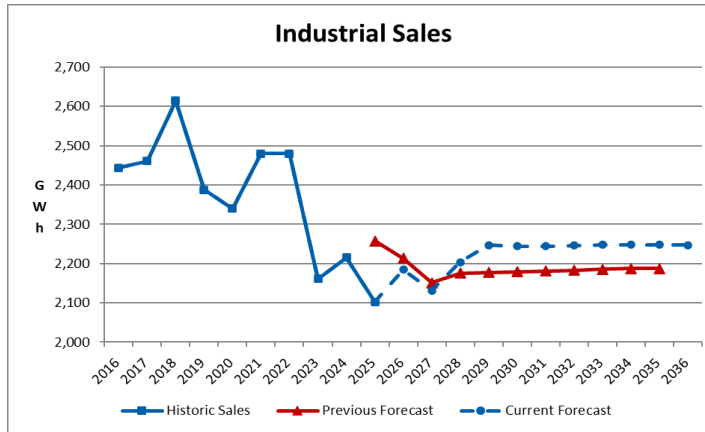
- Similar to the Residential forecast, Commercial sales are forecast to be impacted by decreased behind the meter solar production (+) and increased EV load (+), compared to the 2025 Load Forecast.



	2025 Fcst (GWh)	2026 Fcst (GWh)	D
2035	3,014	3,119	+105 (3.5%)
Growth (10y avg)	-0.4% / y	0.1% / y	

Forecast Comparison – Industrial

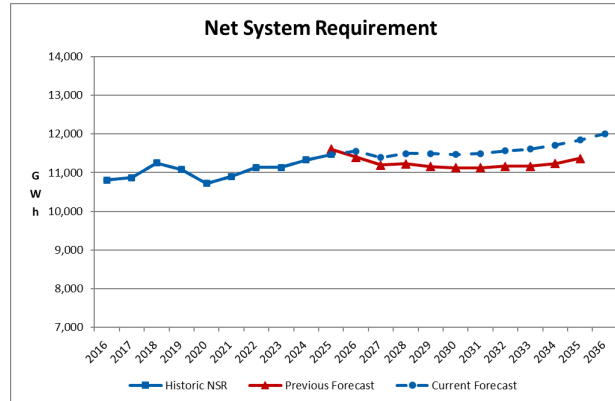
- Industrial sales were lower in 2025 than forecast, mostly due to decreased load for a single customer.
- New large customer load is expected in 2027/2028.



	2025 Fcst (GWh)	2026 Fcst (GWh)	
2035	2,187	2,248	+61 (2.8%)
Growth (10y avg)	-0.3% / y	0.3% / y	

Forecast Comparison – Energy

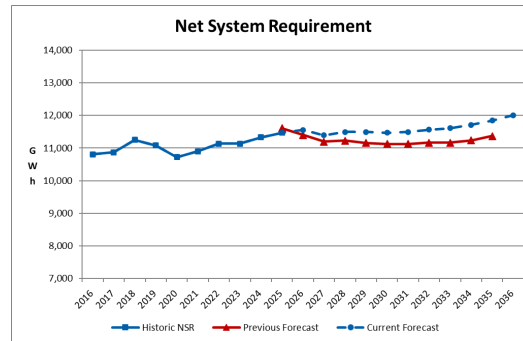
- 2026 Net System Requirement (NSR) is expected to be higher than the 2025 Load Forecast primarily due to changes in the anticipated timings of RTR migration (-21 GWh now being forecast for 2026, compared to the prior forecast of -117 GWh).
- Across the 2026 Load Forecast period, the primary differences are decreased solar generation and greater EV load.



	2025 Fcst (GWh)	2026 Fcst (GWh)	D
2035	11,365	11,842	+477 (4.2%)
Growth (10y avg)	-0.2% / y	0.4% / y	

Forecast Comparison – Energy

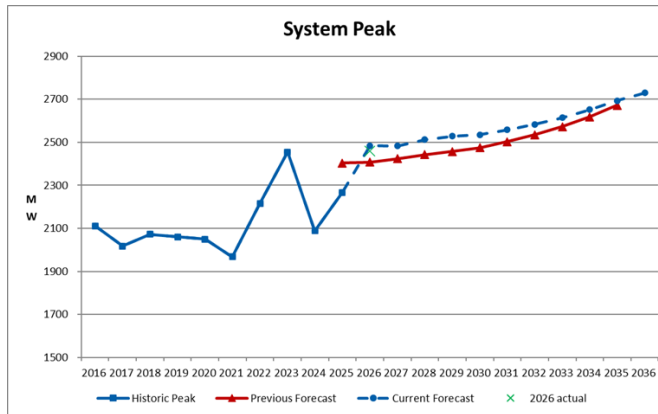
- 2026 Net System Requirement (NSR) is expected to be higher than the 2025 Load Forecast primarily due to changes in the anticipated timings of RTR migration (-21 GWh now being forecast for 2026, compared to the prior forecast of -117 GWh).
- Across the 2026 Load Forecast period, the primary differences are decreased solar generation and greater EV load.
- Greatest variance between 2025 Load Forecast and actual 2025 NSR is large customer load (driven mainly by one customer).



Item	GWh
2025 Forecast NSR	11,607
Est. Weather Impact	+59
Large Customer New Projects	-5
Large Customer Actuals	-153
Unexplained Variance	-39
2025 Actual NSR	11,469

Forecast Comparison – Peak

- The system peak forecast is ~3% higher than the 2025 Load Forecast in the near term, due mainly to model adjustments following the all-time peak on January 25th 2026 (discussed on next slide).
- By the end of the forecast period, the difference is < 1%. The lower peak growth rate is primarily related to decreased heating load compared to the 2025 Load Forecast, due to fewer forecast heat pump installs.



	2025 Fcst (MW)	2026 Fcst (MW)	D
2035	2,672	2,693	+21 (0.8%)
Growth (10y avg)	1.1% / y	0.9% / y	

Peak Model Updates (1)

- The system peak on **January 25th 2026** is the highest recorded to date (2459 MW). Unlike the previous highest peak on **February 4th 2023** (2455 MW), this peak was driven by a multi-day cold period, as opposed to extreme cold.

Extended cold period

Coldest 24-h lag average (Jan 2000 – Jan 2026)		
Rank	Date	24h lag average (° C)
1	Jan 25 th 2026	-15.11
2	Feb 4 th 2023	-15.09
3	Jan 12 th 2022	-14.59
4	Feb 5 th 2023	-14.26
5	Feb 15 th 2020	-13.87
6	Dec 17 th 2016	-13.81

Extreme cold snap

Coldest 12-h lag average (Jan 2000 – Jan 2026)		
Rank	Date	12h lag average (° C)
1	Feb 4 th 2023	-21.61
2	Feb 15 th 2020	-15.84
3	Jan 12 th 2020	-15.53
4	Jan 16 th 2017	-15.34
5	Dec 16 th 2016	-15.07
6	Jan 25 th 2026	-14.94

Peak Model Updates (2)

- The 24-hour lag temperature has been included as a peak producing weather variable in the peak model, as follows:

$$\text{Peak Day Temperature} = 0.8 * (12\text{-hour lag temperature}) + 0.2 * (24\text{-hour lag temperature})$$

- Results in a forecast peak with much lower unexplained variance.

	Using peak model from 2025 Load Forecast, with updated input data (MW)	Using updated peak model from this Forecast (MW)
2026 Forecasted Peak	2,442	2,487
Interruptible	-42	-42
Weather (-14.9°C 12hr lag avg, -15.1°C 24hr lag avg)	+38	+38
Wind (14.1 km/h daily avg)	-16	-16
Weekend peak	-41	-41
Unexplained	+78	+33
2026 Actual Peak	2,459	2,459

Recap: Changes From 2025

Input	Update
Heat pumps, EVs, Solar	Forecasts updated based on most recent install numbers and policy/incentive landscape.
Residential hybrid heating assumptions*	Hybrid impact modelled by NS Power based on AMI data; results incorporated into 2026 Load Forecast.
Heat Pump Water Heaters*	Introduced as a separate End-Use in Residential model.
RTR	Delayed migration, changed class distribution.
Peak Model	Updated based on analysis of 2026 system peak (25 th January).

**Specific directives from the 2025 Load Forecast*

2026 Load Forecast Report Attachments 1-3 have been filed electronically.

LONG TERM ENERGY FORECAST BY SALES CLASS

1000000.0
AS-BILLED NSPI SALES

YEAR	Residential	ETS	Total Residential	Small General	General Demand	Large General	Total Commercial	Unmetered	Total Com + Unmet	Small Industrial	Medium Industrial	Large Industrial	L.I. Interruptible	GR & LF
1991	3252.2		3252.2	83.9	2034.6	230.8	2349.3	86.0	2435.3	142.7	394.9	646.7	749.0	228.3
1992	3409.7		3409.7	87.6	2089.4	241.2	2418.3	86.2	2504.5	140.9	388.0	516.9	768.7	235.8
1993	3417.4		3417.4	86.7	2093.1	258.8	2438.6	86.4	2525.0	136.5	381.3	324.2	1013.6	241.2
1994	3407.4		3407.4	87.2	2049.4	321.3	2458.0	87.1	2545.1	139.3	389.0	209.0	1147.5	222.3
1995	3372.9		3372.9	84.3	2046.6	342.2	2473.1	89.0	2562.1	147.5	382.1	222.0	1257.3	229.5
1996	3468.5		3468.5	90.8	2059.9	353.1	2503.8	90.5	2594.3	153.0	377.9	215.8	1178.6	206.1
1997	3495.5		3495.5	91.5	2061.9	358.9	2512.4	90.4	2602.8	168.4	400.8	219.9	1116.6	242.0
1998	3434.6		3434.6	90.1	2074.2	336.8	2501.0	90.6	2591.6	192.5	414.1	246.2	1028.5	287.9
1999	3448.2		3448.2	101.9	2145.7	348.4	2595.9	92.1	2688.0	216.1	453.9	234.3	1018.3	379.2
2000	3598.0	8.8	3606.8	111.6	2191.4	351.2	2654.2	94.7	2748.9	213.9	489.6	205.4	1393.5	368.1
2001	3650.5	24.1	3674.6	98.8	2325.1	356.1	2780.0	97.0	2877.0	222.4	517.9	200.5	1170.4	383.9
2002	3714.6	45.7	3760.3	104.4	2349.6	358.2	2812.3	99.5	2911.8	235.4	531.4	291.8	1038.4	444.0
2003	3884.3	55.2	3939.6	109.1	2417.2	374.7	2901.0	102.1	3003.1	238.3	557.6	329.7	1146.9	384.9
2004	3976.9	63.5	4040.4	164.7	2426.4	401.4	2992.5	105.1	3097.5	239.2	567.4	355.7	703.4	222.5
2005	3966.4	72.5	4038.9	232.2	2381.3	412.8	3026.2	108.2	3134.4	241.1	557.1	143.4	853.3	190.1
2006	3823.5	83.8	3907.4	232.6	2362.8	416.7	3012.1	109.7	3121.8	239.9	567.3	352.2	662.2	12.7
2007	4033.0	109.4	4142.4	246.2	2470.9	420.3	3137.3	111.9	3249.3	248.1	568.0	366.1	617.9	19.5
2008	4027.9	128.0	4155.9	239.1	2462.6	419.1	3120.8	112.3	3233.1	254.5	539.4	387.7	608.4	10.6
2009	4088.5	155.8	4244.3	237.1	2458.5	416.7	3112.2	112.0	3224.2	252.6	492.0	284.9	615.8	6.3
2010	3978.0	166.2	4144.2	235.0	2447.1	416.1	3098.2	113.3	3211.5	254.4	494.9	234.8	694.2	20.4
2011	4084.7	190.1	4274.7	240.5	2447.8	414.9	3103.2	113.4	3216.7	253.3	491.8	227.6	687.7	17.1
2012	3963.3	196.8	4160.1	236.1	2438.9	410.8	3085.8	110.5	3196.4	250.9	496.3	221.0	685.4	16.4
2013	4137.7	223.9	4361.6	248.3	2482.0	404.1	3134.5	109.1	3243.6	249.0	491.5	196.4	594.4	8.5
2014	4162.1	242.0	4404.1	256.9	2464.8	393.5	3115.1	106.7	3221.9	252.6	470.7	103.6	613.5	19.5
2015	4248.2	256.0	4504.2	271.9	2456.6	414.5	3143.1	108.1	3251.2	256.9	475.7	95.9	584.3	24.6
2016	4019.1	245.3	4264.3	268.8	2365.0	411.4	3045.2	87.3	3132.5	247.1	463.0	79.6	601.4	39.1
2017	4108.8	254.6	4363.5	277.3	2371.9	400.6	3049.9	83.2	3133.0	245.0	462.7	89.8	619.6	25.7
2018	4271.4	271.0	4542.5	290.9	2409.6	399.1	3099.6	81.0	3180.7	254.3	472.0	107.8	638.1	20.4
2019	4402.5	285.2	4687.7	298.1	2383.2	388.6	3069.9	81.6	3151.5	261.2	461.0	118.7	657.3	18.5
2020	4394.7	279.9	4674.6	277.1	2234.0	361.7	2872.9	79.6	2952.5	253.5	468.2	107.6	618.5	8.3
2021	4349.0	270.4	4619.4	289.7	2237.2	367.1	2894.1	79.4	2973.5	256.9	476.0	108.8	650.6	12.2
2022	4568.4	282.4	4850.9	322.3	2321.2	365.8	3009.4	79.0	3088.3	263.7	482.9	122.3	631.2	11.4
2023	4653.7	280.3	4934.0	338.7	2327.1	367.1	3032.9	76.9	3109.8	257.1	472.7	106.9	622.6	18.4
2024	4778.2	285.6	5063.7	369.2	2321.2	360.4	3050.9	78.1	3129.0	257.1	489.3	90.6	584.7	17.1
2025	4934.3	293.1	5227.4	401.7	2327.0	353.0	3081.7	75.4	3157.2	258.3	484.1	88.5	548.7	17.7
2026	5049.9	300.2	5350.1	419.6	2339.0	357.1	3115.7	75.0	3190.7	263.4	488.3	86.1	547.8	16.9
2027	5066.0	307.4	5373.4	414.1	2214.7	356.9	2985.7	67.5	3053.2	252.8	443.4	99.4	537.6	16.9
2028	5108.9	314.5	5423.4	421.5	2215.8	360.5	2997.8	66.0	3063.8	252.1	433.0	99.4	623.9	16.9
2029	5109.5	321.6	5431.1	427.4	2229.1	360.5	3017.0	66.0	3083.0	253.9	432.0	99.4	671.6	16.9
2030	5120.6	328.8	5449.3	433.8	2243.4	360.5	3037.7	66.0	3103.7	255.8	431.4	99.4	671.6	16.9
2031	5146.5	335.9	5482.4	440.9	2261.8	360.5	3063.2	66.0	3129.2	258.1	431.9	99.4	671.6	16.9
2032	5185.2	343.0	5528.2	449.2	2287.8	360.5	3097.5	66.0	3163.5	260.9	433.3	99.4	671.6	16.9
2033	5183.7	350.2	5533.9	454.8	2303.3	360.5	3118.7	66.0	3184.6	263.7	434.8	99.4	671.6	16.9
2034	5205.2	357.3	5562.5	461.9	2328.1	360.5	3150.6	66.0	3216.5	266.3	436.3	99.4	671.6	16.9
2035	5228.5	364.4	5593.0	469.1	2354.0	360.5	3183.6	66.0	3249.6	269.0	437.6	99.4	671.6	16.9
2036	5262.0	371.6	5633.6	477.7	2391.0	360.5	3229.2	66.0	3295.2	271.6	438.9	99.4	671.6	16.9

Muni Forecasts Apr-09 to Mar-10					
Domestic	Commercial	Industrial	Losses	Total	GWh
74.6	97.2	20.6	7.7	200.10	
37.3%	48.6%	10.3%	3.8%	100%	
old1	37.3%	48.6%	10.3%	3.8%	100%
old2	38.5%	47.5%	8.0%	6.0%	100%

YEAR	TOTAL	Total						NS SECTOR TOTALS:			MUNICIPAL SALES DISTRIBUTION						Muni	Muni	
	INDUSTRIAL	Municipal	BUTU	EBS	Losses + Change		Requirement	Summary			Domestic	Commercial	Industrial	Losses	Total	Growth	Municipe	Forecast	OATT
					Total Sales	in Unbilled		Loads	without										
									PTP										
including Muni Losses																ΔGWh	before adj.	Purchases	
1991	2707.2	248.1			8642.8	759.1	9401.9												
1992	2629.6	259.0			8802.8	733.8	9536.6	3409.7	2504.5	2629.6									
1993	2706.9	258.6			8907.9	685.1	9593.0	3417.4	2525.0	2706.9					258.6				
1994	2714.1	262.7			8929.3	664.3	9593.6	3505.4	2672.7	2741.1					262.7				
1995	2822.5	260.1			9017.5	656.4	9673.9	3469.9	2688.4	2849.3		97.9	127.6	27.0	10.1	260.1			
1996	2754.4	249.7			9066.8	685.5	9752.3	3564.6	2712.9	2774.3		97.0	126.3	26.8	10.0	260.1			
1997	2846.0	257.9			9202.2	762.8	9965.0	3594.8	2725.3	2866.7		96.1	118.6	20.0	15.0	249.7			
1998	3423.0	233.3			9682.5	653.7	10336.2	3524.4	2702.4	3441.7		99.3	122.5	20.6	15.5	257.9			
1999	3858.3	165.9			10160.4	710.1	10870.5	3512.0	2766.8	3871.6		89.8	110.8	18.7	14.0	233.3			
2000	3916.4	169.4			10441.6	798.5	11240.1	3512.0	2766.8	3871.6		63.9	78.8	13.3	10.0	165.9			
2001	3858.7	173.1			10583.3	719.8	11303.2	3672.1	2829.4	3930.0		65.2	80.5	13.6	10.2	169.4			
2002	3784.4	178.3			10634.7	866.3	11501.0	3741.2	2959.3	3872.5		66.6	82.2	13.8	10.4	173.1			
2003	4031.2	184.1			11158.0	851.1	12009.1	3828.9	2996.5	3798.6		68.6	84.7	14.3	10.7	178.3			
2004	4196.7	190.0			11524.6	862.8	12387.5	4010.5	3090.6	4045.9		70.9	87.5	14.7	11.0	184.1			
2005	4199.7	190.9			11564.0	774.2	12338.1	4113.5	3187.8	4211.9		73.1	90.2	15.2	11.4	190.0			
2006	2872.7	187.2			10089.2	857.1	10946.2	4112.4	3225.1	4215.0		73.5	90.7	15.3	11.5	190.9			
2007	4189.6	197.1			11778.4	859.7	12638.1	3979.4	3210.8	2887.7		72.1	88.9	15.0	11.2	187.2	-3.7		
2008	4145.7	197.5			11732.2	806.7	12538.9	4218.2	3342.9	4205.4		75.9	93.6	15.8	11.8	197.1	9.9		
2009	3637.6	198.1			11304.2	769.2	12073.4	4231.9	3326.9	4161.5		76.0	93.8	15.8	11.8	197.5	0.3		
2010	3912.0	193.2			11460.7	696.9	12157.7	4318.2	3320.4	3658.0		73.9	96.2	20.4	7.6	198.1	0.6		
2011	3514.9	191.3			11197.6	709.4	11907.0	4216.2	3305.3	3931.8		72.0	93.8	19.9	7.4	193.2	-4.9		
2012	2164.4	191.4			9712.3	763.2	10475.5	4346.1	3309.6	3534.6		71.3	92.9	19.7	7.4	191.3	-1.9		
2013	2604.1	200.5			10409.7	783.9	11193.6	4231.5	3289.3	2184.1		71.4	93.0	19.7	7.4	191.4	0.1		
2014	2522.3	197.6			10345.9	691.5	11037.4	4436.3	3341.0	2624.7		74.8	97.4	20.6	7.7	200.5	9.1		
2015	2455.9	195.5	1.6		10408.5	690.6	11099.1	4477.8	3317.9	2542.6	699.1	73.7	96.0	20.3	7.6	197.6	-2.9		
2016	2444.3	167.3	11.8		10020.2	788.8	10809.0	4577.1	3346.2	2476.1	698.1	72.9	95.0	20.1	7.5	195.5	-2.1		
2017	2460.6	142.5	20.5		10120.1	752.5	10872.7	4331.1	3219.5	2462.7	795.7	66.8	87.0	18.4	6.9	179.1	-16.5		
2018	2614.2	128.6	25.1		10491.0	757.9	11248.9	4424.3	3212.2	2477.4	758.8	60.8	79.2	16.8	6.3	163.0	-16.1		
2019	2388.0	122.2	24.2		10373.6	703.5	11077.1	4590.4	3243.1	2627.4	762.9	47.9	62.5	13.2	4.9	128.6	-34.4		
2020	2339.8	42.7	25.2		10034.8	687.8	10722.5	4733.3	3210.9	2400.5	708.2	45.6	59.4	12.6	4.7	122.2	-6.4		
2021	2480.3	42.2	29.4		10144.8	757.3	10902.2	4690.5	2973.2	2344.2	689.4	15.9	20.7	4.4	1.6	42.7	-79.5	189.5	
2022	2480.2	41.1	28.1		10488.6	645.2	11133.9	4866.2	3108.3	2484.5	759.0	15.7	20.5	4.3	1.6	42.2	-0.5	188.7	
2023	2161.5	123.6	30.3		10359.3	771.6	11130.9	4635.1	2994.0	2484.6	759.0	15.7	20.5	4.3	1.6	42.2	-0.5	188.7	
2024	2215.7	117.4	27.0	0.0	10552.8	773.5	11326.3	4866.2	3108.3	2484.5	646.8	15.3	20.0	4.2	1.6	41.1	-1.2	197.4	
2025	2102.0	126.4	23.6	0.0	10636.6	832.5	11469.1	4980.1	3169.9	2174.2	776.3	46.1	60.1	12.7	4.8	123.6	82.5	191.7	
2026	2190.3	45.9	78.6	6.7	10862.3	785.8	11648.2	5107.5	3186.0	2227.8	778.0	43.8	57.0	12.1	4.5	117.4	-6.2	186.9	
2027	2138.0	45.5	78.6	113.0	10801.7	775.1	11576.7	5274.5	3218.6	2115.0	837.4	47.1	61.4	13.0	4.9	126.4	9.0	191.4	
2028	2213.1	45.7	78.6	135.1	10959.5	782.8	11742.3	5367.3	3213.0	2195.0	787.6	17.1	22.3	4.7	1.8	45.9	-80.5	195.1	
2029	2261.7	45.8	78.6	135.1	11035.2	787.0	11822.2	5390.4	3075.3	2142.7	776.8	17.0	22.1	4.7	1.8	45.5	-0.4	193.6	
2030	2263.0	46.0	78.6	135.1	11075.7	791.7	11867.4	5440.4	3085.9	2217.8	784.5	17.0	22.2	4.7	1.8	45.7	0.1	194.2	
2031	2265.8	46.3	78.6	135.1	11137.4	799.2	11936.6	5448.2	3105.3	2266.4	788.8	17.1	22.3	4.7	1.8	45.8	0.1	194.8	
2032	2270.0	46.8	78.6	135.1	11222.1	810.3	12032.4	5466.5	3126.1	2267.7	793.5	17.2	22.4	4.7	1.8	46.0	0.2	195.7	
2033	2274.3	46.9	78.6	135.1	11253.4	818.8	12072.2	5499.7	3151.7	2270.6	801.0	17.3	22.5	4.8	1.8	46.3	0.3	197.1	
2034	2278.4	47.3	78.6	135.1	11318.3	831.7	12150.1	5540.4	3085.9	2217.8	812.1	17.4	22.7	4.8	1.8	46.8	0.4	198.9	
2035	2282.4	47.6	78.6	135.1	11386.2	846.8	12232.9	5545.6	3186.2	2274.8	820.6	17.5	22.8	4.8	1.8	46.9	0.1	199.5	
2036	2286.3	48.1	78.6	135.1	11476.8	864.3	12341.1	5580.1	3239.5	2283.3	833.6	17.6	23.0	4.9	1.8	47.3	0.3	200.9	
								5610.7	3272.7	2287.3	848.6	17.7	23.1	4.9	1.8	47.6	0.3	202.4	
								5651.5	3318.5	2291.3	866.2	17.9	23.3	4.9	1.8	48.1	0.5	204.4	

				PHP Losses	0%
				Transmission	3%
SECTOR GROWTH RATE FORECASTS					
YEAR	Domestic	Commercial	Dom+Comm	Transmission Sales	Distribution Loss Percentage
1991				8642.8	8.03%
1992				8802.8	7.29%
1993				8907.9	6.47%
1994				8929.3	6.12%
1995	-1.01%	0.61%	-0.33%	9017.5	5.97%
1996	2.83%	1.24%	2.16%	9066.8	6.27%
1997	0.78%	0.34%	0.60%	9202.2	7.30%
1998	-1.74%	-0.45%	-1.20%	9682.5	5.48%
1999	0.40%	3.79%	1.83%	10160.4	5.95%
2000	4.60%	2.25%	3.59%	10441.6	6.87%
2001	1.88%	4.74%	3.09%	10583.3	5.52%
2002	2.33%	1.16%	1.83%	10634.7	7.36%
2003	4.77%	3.16%	4.08%	11158.0	6.67%
2004	2.56%	3.15%	2.81%	11524.6	6.51%
2005	-0.04%	1.13%	0.46%	11564.0	5.36%
2006	-3.26%	-0.47%	-2.06%	10089.2	7.07%
2007	6.01%	4.16%	5.21%	11778.4	6.17%
2008	0.33%	-0.53%	-0.04%	11732.2	5.56%
2009	2.13%	-0.28%	1.10%	11304.2	5.96%
2010	-2.36%	-0.45%	-1.55%	11460.7	5.18%
2011	3.15%	0.16%	1.87%	11197.6	5.20%
2012	-2.68%	-0.56%	-1.79%	9712.3	6.01%
2013	4.84%	1.58%	3.45%	10409.7	6.03%
2014	0.98%	-0.62%	0.31%	10345.9	4.95%
2015	2.27%	0.90%	1.70%	10408.5	4.82%
2016	-5.33%	-3.11%	-4.42%	10020.2	6.40%
2017	2.33%	0.15%	1.42%	10120.1	5.84%
2018	4.10%	1.63%	3.09%	10491.0	5.64%
2019	3.20%	-0.96%	1.51%	10373.6	4.89%
2020	-0.28%	-6.42%	-2.71%	10034.8	4.95%
2021	-1.18%	0.74%	-0.45%	10144.8	5.79%
2022	5.01%	3.98%	4.62%	10488.6	4.14%
2023	1.71%	0.78%	1.36%	10359.3	5.49%
2024	2.63%	0.59%	1.85%	10552.8	5.37%
2025	3.23%	1.01%	2.40%	10636.6	5.21%
2026	2.35%	1.10%	1.92%	10854.8	5.21%
2027	0.43%	-4.17%	-0.77%	10792.5	5.21%
2028	0.93%	0.41%	0.32%	10955.4	5.21%
2029	0.14%	0.64%	0.32%	11037.4	5.21%
2030	0.34%	0.69%	0.46%	11094.9	5.21%
2031	0.61%	0.84%	0.69%	11186.7	5.21%
2032	0.84%	1.12%	0.94%	11322.0	5.21%
2033	0.10%	0.68%	0.31%	11425.7	5.21%
2034	0.52%	1.02%	0.70%	11583.3	5.21%
2035	0.55%	1.05%	0.73%	11766.6	5.21%
2036	0.73%	1.43%	0.98%	11981.0	5.21%

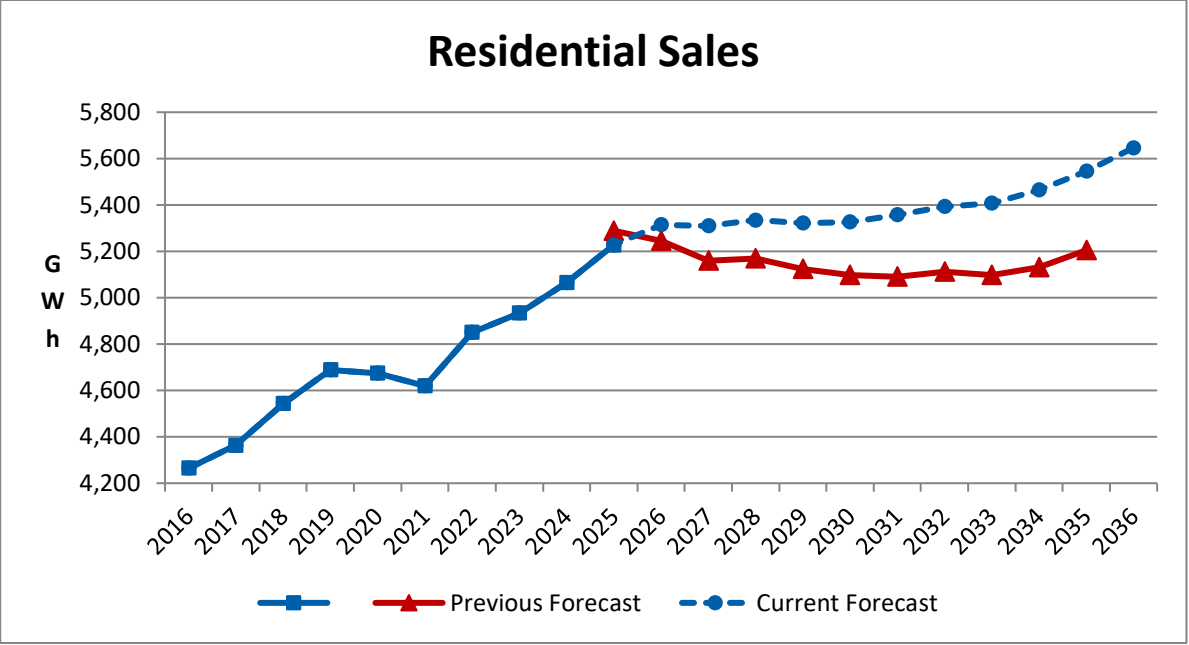
Year	Historical Customer Count	Incremental	Cumulative	New Housing Multi Unit	Cumulat ive New Housing Multi Unit	Forecasted Customer Count	Launch	Average Use		
		New Housing Single Family	New Housing Single Family					per Household (from Metrix)	New Usage Single Family	New Usage Multi Family
2001	400,779									
2002	408,823					408,823				
2003	412,699					412,699				
2004	416,465					416,465				
2005	420,462					420,462				
2006	424,685					424,685				
2007	428,798					428,798				
2008	433,005					433,005				
2009	436,251					436,251				
2010	440,428					440,428				
2011	443,729					443,729				-
2012	447,613					447,613				
2013	450,977					450,977				
2014	453,877					453,877				
2015	456,655					456,655				
2016	459,875					459,875		9,467.58		
2017	463,739					463,739		9,435.89		
2018	468,049					468,049		9,632.06		
2019	472,369					472,369		9,827.48		
2020	477,035		0		-	477,035		9,641.11		
2021	482,771		0		-	482,771		9,696.30		
2022	488,654		0		-	488,654	0	9,937.86		
2023	495,055		0		-	495,055		10,055.96		
2024	502,855		0		-	502,855		10,207.09		
2025	509,966		0		-	509,966		10,385.65		
2026	509,966	2,548	2,548	5,743	5,743	518,257		10,376.89	14,600	4,100
2027	509,966	2,294	4,842	5,169	10,911	525,720		10,391.49	14,600	4,100
2028	509,966	2,064	6,906	4,652	15,563	532,436		10,422.07	14,600	4,100
2029	509,966	1,858	8,764	4,187	19,750	538,480		10,361.03	14,600	4,100
2030	509,966	1,672	10,436	3,768	23,518	543,920		10,326.44	14,600	4,100
2031	509,966	1,505	11,941	3,391	26,909	548,816		10,325.75	14,600	4,100
2032	509,966	1,354	13,296	3,052	29,961	553,222		10,354.23	14,600	4,100
2033	509,966	1,219	14,514	2,747	32,708	557,188		10,310.27	14,600	4,100
2034	509,966	1,097	15,612	2,472	35,180	560,757		10,316.49	14,600	4,100
2035	509,966	987	16,599	2,225	37,405	563,969		10,331.27	14,600	4,100
2036	509,966	889	17,487	2,002	39,407	566,861		10,368.56	14,600	4,100

Structural Change Index (from Res Indices, Col H indexed to current year)	RTR (GW)	Forecast without NSPI Programs and without DSM	Hybrid Impact (included in Col N)	New home GWh	New home not captured by peak model (MW)	EV- Solar+Canso Res	Residential before DSM	Current Forecast	Previous Forecast
		3,760.30		AE	4.33			3,760.30	
		3,939.60		NAE	1.654			3,939.60	
		4,040.40		New Homes (i	3.9286			4,040.40	
		4,038.91		Existing home	3.2596			4,038.91	
		3,907.35						3,907.35	
		4,142.35						4,142.35	
		4,155.90						4,155.90	
		4,244.30						4,244.30	
		4,144.16						4,144.16	
		4,274.75						4,274.75	
		4,160.10						4,160.10	
		4,361.55						4,361.55	
		4,404.11						4,404.11	
		4,504.21						4,504.21	
		4,264.31						4,264.31	
		4,363.49						4,363.49	
	1.000	4,542.46						4,542.46	
	1.000	4,687.74		hybrid peak			4,687.74	4,687.74	
		4,674.60					4,674.60	4,674.60	
		4,619.40		0			4,619.40	4,619.40	
		4,850.88		0	0	0.0	4,850.88	4,850.88	
		4,978.25		0	0	0.0	4,978.25	4,934.04	
	0.00	5,132.69		0	0	0.0	5,132.69	5,063.73	
	0.00	5,296.33		0	0	0.0	0	5,296.33	5,227.38
1.000	-2.47	5,350.15	0.00	61	0	1.7	-16	5,334.00	5,314.88
1.000	-41.36	5,373.40	0.00	115	0	3.2	-31	5,342.07	5,310.48
1.000	-49.45	5,423.36	-6.65	165	-5	-0.1	-44	5,379.20	5,334.61
0.998	-49.45	5,431.07	-11.80	209	-9	-2.7	-52	5,378.68	5,321.14
0.996	-49.45	5,449.31	-15.26	248	-12	-4.7	-52	5,397.00	5,326.75
0.994	-49.45	5,482.40	-16.93	283	-14	-6.3	-43	5,439.46	5,356.83
0.991	-49.45	5,528.20	-16.83	314	-16	-7.2	-18	5,510.66	5,393.06
0.990	-49.45	5,533.89	-16.96	342	-16	-5.9	25	5,559.29	5,407.62
0.988	-49.45	5,562.45	-16.86	368	-16	-5.2	86	5,648.87	5,464.18
0.987	-49.45	5,592.97	-16.66	390	-16	-4.6	168	5,761.22	5,544.99
0.986	-49.45	5,633.56	-15.67	411	-16	-4.0	259	5,892.73	5,646.43

HYBRID CALCULATIONS

Sales			
	in ResFcst.NDM	modelled	to add
2026	0.00	0	0.00
2027	0.00	0	0.00
2028	-3.68	-10	-6.65
2029	-8.97	-21	-11.80
2030	-15.96	-31	-15.26
2031	-24.04	-41	-16.93
2032	-33.67	-51	-16.83
2033	-42.69	-60	-16.96
2034	-50.96	-68	-16.86
2035	-58.98	-76	-16.66
2036	-67.46	-83	-15.67

	with hybrid	no hybrid	d
2026	5,311.81	5,311.81	0.00
2027	5,278.42	5,278.42	0.00
2028	5,287.72	5,291.39	-3.68
2029	5,254.21	5,263.18	-8.97
2030	5,239.19	5,255.16	-15.96
2031	5,249.47	5,273.52	-24.04
2032	5,290.54	5,324.21	-33.67
2033	5,310.96	5,353.65	-42.69
2034	5,373.05	5,424.01	-50.96
2035	5,459.10	5,518.08	-58.98
2036	5,564.87	5,632.33	-67.46



Peak					
hybrid	no hybrid	difference	E3 hybrid pea not captured in our model		
2016	1,628	1,628	0.0	0	0.0
2017	1,825	1,825	0.0	0	0.0
2018	1,890	1,890	0.0	0	0.0
2019	1,736	1,736	0.0	0	0.0
2020	1,814	1,814	0.0	0	0.0
2021	1,654	1,654	0.0	0	0.0
2022	1,921	1,921	0.0	0	0.0
2023	1,767	1,767	0.0	0	0.0
2024	1,786	1,786	0.0	0	0.0
2025	2,082	2,082	0.0	0	0.0
2026	2,261	2,261	0.0	0	0.0
2027	2,262	2,262	0.0	0	0.0
2028	2,291	2,292	-1.7	-6	-4.7
2029	2,305	2,309	-4.2	-13	-8.6
2030	2,315	2,322	-7.5	-19	-11.7
2031	2,334	2,345	-11.4	-26	-14.2
2032	2,351	2,367	-15.9	-32	-16.1
2033	2,371	2,391	-20.4	-36	-15.6
2034	2,392	2,416	-24.4	-40	-15.6
2035	2,414	2,442	-28.3	-44	-15.7
2036	2,429	2,461	-32.3	-48	-15.7

ENERGY	Total EV load	Incremental EV Load	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2016															0
2017															0
2018															0
2019															0
2020			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2021			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2022		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2023		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2024		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2025		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2026	8.0	8.0	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.8	8
2027	19.3	11.3	2.1	1.9	2.0	1.6	1.4	1.3	1.3	1.3	1.3	1.5	1.7	1.9	19
2028	35.5	16.2	3.9	3.5	3.6	2.9	2.7	2.4	2.4	2.4	2.4	2.7	3.1	3.6	36
2029	59.3	23.8	6.5	5.8	6.0	4.8	4.5	4.0	4.0	4.0	4.0	4.6	5.1	5.9	59
2030	94.5	35.3	10.4	9.3	9.6	7.7	7.1	6.4	6.4	6.4	6.4	7.3	8.1	9.5	95
2031	146.4	51.9	16.1	14.4	14.8	11.9	11.0	10.0	9.8	9.9	9.9	11.3	12.6	14.7	146
2032	215.3	68.8	23.6	21.2	21.8	17.5	16.2	14.6	14.5	14.5	14.6	16.5	18.6	21.6	215
2033	301.6	86.4	33.1	29.7	30.5	24.5	22.7	20.5	20.3	20.4	20.4	23.2	26.0	30.3	302
2034	406.1	104.4	44.6	40.0	41.1	33.0	30.5	27.6	27.3	27.4	27.5	31.2	35.0	40.7	406
2035	529.1	123.1	58.1	52.1	53.6	43.1	39.8	36.0	35.6	35.7	35.8	40.7	45.6	53.1	529
2036	652.8	123.7	71.7	64.3	66.1	53.1	49.1	44.4	43.9	44.1	44.2	50.2	56.3	65.5	653
Energy by month			11%	10%	10%	8%	8%	7%	7%	7%	7%	8%	9%	10%	

PEAK	Cumulative Peak	Incremental Peak	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2016															
2017			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2018			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2019			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2020			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2021			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2022		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2023		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2024		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2025		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2026	1.3	1.3	1.3	1.3	1.2	1.0	0.9	0.9	0.8	0.8	0.8	0.9	1.1	1.2	
2027	3.0	1.7	3.0	3.0	2.9	2.5	2.2	2.0	1.9	1.9	2.0	2.2	2.5	2.8	
2028	5.5	2.4	5.5	5.4	5.2	4.4	3.9	3.7	3.4	3.4	3.6	4.0	4.5	5.1	
2029	8.9	3.5	8.9	8.8	8.4	7.3	6.4	6.0	5.6	5.6	5.9	6.5	7.4	8.3	
2030	13.9	5.0	13.9	13.7	13.1	11.3	10.0	9.3	8.7	8.8	9.3	10.2	11.5	12.9	
2031	21.2	7.3	21.2	20.8	20.0	17.2	15.2	14.2	13.2	13.3	14.1	15.6	17.5	19.7	
2032	30.7	9.6	30.7	30.3	29.1	25.0	22.1	20.7	19.2	19.4	20.5	22.6	25.4	28.6	
2033	42.7	11.9	42.7	42.0	40.3	34.7	30.6	28.7	26.6	26.9	28.4	31.3	35.2	39.6	
2034	56.9	14.3	56.9	56.0	53.8	46.4	40.8	38.3	35.5	35.9	37.9	41.8	47.0	52.9	
2035	73.6	16.7	73.6	72.4	69.6	59.9	52.8	49.5	45.9	46.4	49.0	54.1	60.8	68.4	
2036	90.1	16.5	90.1	88.7	85.2	73.4	64.6	60.6	56.2	56.8	60.0	66.2	74.4	83.7	
Peak by month			100.0%	98.4%	94.5%	81.4%	71.7%	67.2%	62.4%	63.0%	66.6%	73.5%	82.5%	92.9%	

ENERGY	Total EV load	Incremental EV Load	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2016															0
2017															0
2018															0
2019															0
2020		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2021		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2022		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2023		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2024		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2025		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0
2026	14.0	14.0	1.5	1.4	1.4	1.1	1.1	1.0	0.9	1.0	1.0	1.1	1.2	1.4	14
2027	28.2	14.1	3.1	2.8	2.9	2.3	2.1	1.9	1.9	1.9	1.9	2.2	2.4	2.8	28
2028	47.5	19.4	5.2	4.7	4.9	3.8	3.6	3.3	3.2	3.2	3.3	3.6	4.1	4.7	48
2029	70.1	22.5	7.6	6.9	7.2	5.7	5.3	4.8	4.7	4.8	4.8	5.4	6.1	6.9	70
2030	97.1	27.0	10.6	9.6	9.9	7.8	7.3	6.7	6.5	6.6	6.6	7.4	8.4	9.6	97
2031	129.9	32.8	14.2	12.8	13.3	10.5	9.8	8.9	8.7	8.8	8.9	10.0	11.2	12.9	130
2032	169.0	39.0	18.4	16.6	17.3	13.7	12.8	11.6	11.3	11.5	11.6	12.9	14.6	16.7	169
2033	214.6	45.7	23.4	21.1	21.9	17.3	16.2	14.8	14.4	14.6	14.7	16.4	18.5	21.2	215
2034	267.3	52.7	29.2	26.3	27.3	21.6	20.2	18.4	17.9	18.2	18.3	20.5	23.1	26.5	267
2035	327.0	59.7	35.7	32.2	33.4	26.4	24.7	22.5	21.9	22.2	22.4	25.0	28.2	32.4	327
2036	387.2	60.2	42.2	38.1	39.6	31.3	29.3	26.6	25.9	26.3	26.5	29.7	33.4	38.3	387

Energy by month10.9%9.8%10.2%8.1%7.6%6.9%6.7%6.8%6.8%7.7%8.6%9.9%

PEAK	Cumulative Peak	Incremental Peak	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2016															
2017			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2018			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2019			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2020			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2021			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2022		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2023		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2024		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2025		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2026	1.6	1.6	1.6	1.6	1.6	2.0	1.8	1.7	1.5	1.6	1.6	1.8	1.4	1.5	
2027	3.4	1.7	3.4	3.3	3.2	4.1	3.6	3.4	3.2	3.2	3.4	3.7	2.8	3.1	
2028	5.7	2.3	5.7	5.6	5.4	7.0	6.1	5.8	5.4	5.4	5.7	6.3	4.7	5.3	
2029	8.6	2.9	8.6	8.5	8.2	10.6	9.3	8.7	8.1	8.2	8.7	9.5	7.1	8.0	
2030	12.4	3.8	12.4	12.2	11.8	15.2	13.4	12.6	11.7	11.8	12.5	13.8	10.3	11.6	
2031	17.5	5.1	17.5	17.2	16.6	21.4	18.9	17.7	16.4	16.6	17.5	19.4	14.5	16.3	
2032	23.9	6.4	23.9	23.5	22.6	29.2	25.7	24.1	22.4	22.6	23.9	26.4	19.7	22.2	
2033	31.5	7.7	31.5	31.0	29.8	38.6	34.0	31.9	29.6	29.9	31.6	34.9	26.0	29.3	
2034	40.6	9.0	40.6	39.9	38.3	49.7	43.8	41.0	38.1	38.5	40.6	44.8	33.5	37.7	
2035	51.0	10.4	51.0	50.1	48.2	62.4	55.0	51.5	47.8	48.3	51.0	56.3	42.0	47.3	
2036	61.3	10.4	61.3	60.3	58.0	75.1	66.1	62.0	57.5	58.1	61.4	67.8	50.6	57.0	

Peak by month100.0%98.4%94.5%122.5%107.9%101.1%93.9%94.8%100.2%110.5%82.5%92.9%

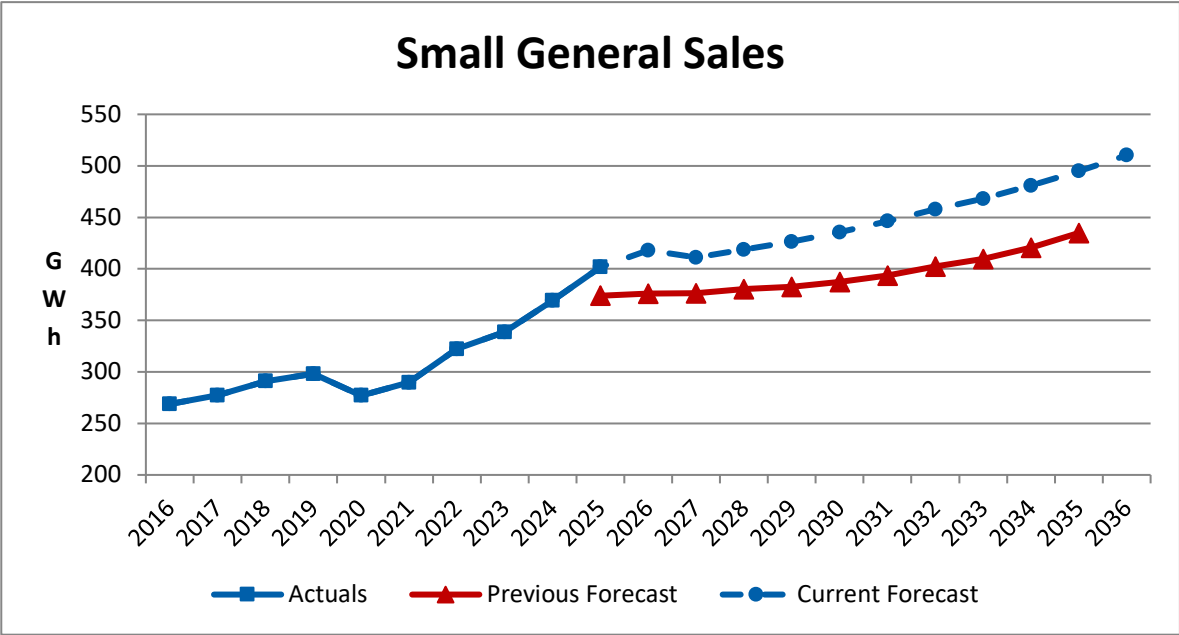
ENERGY	Total load	Incremental Load	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
2016																
2017															0	
2018															0	
2019															0	
2020															0	100.0
2021															0	
2022	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
2023	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
2024	18.4	18.4	2.3	2.1	2.0	1.6	1.3	1.1	1.2	1.1	1.0	1.2	1.5	2.1	18	
2025	26.8	8.3	3.3	3.1	2.9	2.3	1.9	1.5	1.7	1.6	1.5	1.7	2.1	3.1	27	
2026	29.7	2.9	3.7	3.4	3.2	2.6	2.1	1.7	1.9	1.8	1.6	1.9	2.4	3.4	30	2475.0
2027	27.4	-2.3	3.4	3.2	3.0	2.4	1.9	1.6	1.8	1.7	1.5	1.7	2.2	3.2	27	2287.4
2028	57.7	30.2	7.2	6.6	6.3	5.0	4.1	3.3	3.7	3.5	3.1	3.6	4.6	6.6	58	4804.6
2029	100.0	42.3	12.4	11.5	10.9	8.6	7.1	5.8	6.4	6.1	5.4	6.3	7.9	11.5	100	8333.4
2030	157.8	57.8	19.6	18.2	17.1	13.6	11.1	9.1	10.2	9.7	8.6	9.9	12.5	18.1	158	13146.8
2031	221.6	63.8	27.6	25.5	24.1	19.1	15.6	12.8	14.3	13.6	12.1	13.9	17.6	25.5	222	18463.1
2032	277.5	55.9	34.5	31.9	30.2	23.9	19.6	16.1	17.9	17.0	15.1	17.4	22.0	31.9	277	23124.7
2033	317.5	40.0	39.5	36.5	34.5	27.3	22.4	18.4	20.4	19.5	17.3	19.9	25.2	36.5	317	26454.3
2034	342.0	24.5	42.6	39.3	37.2	29.4	24.1	19.8	22.0	21.0	18.6	21.4	27.1	39.3	342	28499.9
2035	355.7	13.7	44.3	40.9	38.7	30.6	25.1	20.6	22.9	21.8	19.4	22.3	28.2	40.9	356	29642.6
2036	363.0	7.3	45.2	41.8	39.5	31.2	25.6	21.0	23.4	22.3	19.8	22.8	28.8	41.8	363	30247.1

PEAK	Cumulative Peak	Incremental Peak	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	
2016																
2017																
2018																
2019																
2020																
2021	Check 2022-2024															
2022	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2023	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
2024	1.3		1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.0	
2025	1.8		1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8	3.4	
2026	2.0		2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	3.5	
2027	1.9		1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	3.3	
2028	3.9		3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	6.2	
2029	6.8		6.8	6.8	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.8	10.5	
2030	10.6		10.6	10.6	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	10.6	16.1	
2031	14.5		14.5	14.5	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	14.5	22.1	
2032	17.9		17.9	17.9	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.9	17.9	27.0	
2033	20.0		20.0	20.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	30.3	
2034	21.1		21.1	21.1	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	21.1	32.0	
2035	21.5		21.5	21.5	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	21.5	32.6	
2036	21.5		21.5	21.5	21.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.5	21.5	32.6	

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Year	Actuals	Forecast no DSM	Launch	No DSM with Launch	Small General E	Current For	Previous Forecast
2001							
2002	104,447.37						
2003	109,056.34			109.06		109.06	
2004	164,678.82			164.68		164.68	
2005	232,201.41			232.20		232.20	
2006	232,600.73			232.60		232.60	
2007	246,163.90			246.16		246.16	
2008	239,148.78			239.15	239.15	239.15	
2009	237,081.10			237.08	237.08	237.08	
2010	234,967.41			234.97	234.97	234.97	
2011	240,543.22			240.54	240.54	240.54	
2012	236,148.32			236.15	236.15	236.15	
2013	248,285.31			248.29	248.29	248.29	
2014	256,873.49			256.87	256.87	256.87	
2015	271,933.97			271.93	271.93	271.93	
2016	268,808.66	265,705.58		268.81	268.81	268.81	
2017	277,311.77	278,301.04		277.31	277.31	277.31	
2018	290,946.23	292,358.58		290.95	290.95	290.95	
2019	298,087.92	304,422.41		298.09	298.09	298.09	
2020	277,108.82	281,587.85		277.11	277.11	277.11	
2021	289,744.65	300,535.82		289.74	289.74	289.74	
2022	322,291.88	319,150.13		322.29	322.29	322.29	
2023	338,692.87	335,873.48		338.69	338.69	338.69	
2024	369,249.60	385,343.63		369.25	369.25	369.25	
2025	401,683.01	388,844.47	12.84	401.68	401.68	401.68	373.93
2026		407,140.90		419.62	421.70	417.90	376.04
2027		407,194.43		414.08	418.15	411.05	376.35
2028		415,736.77		421.45	428.44	418.77	380.35
2029		421,638.31		427.36	437.74	426.37	382.54
2030		428,088.84		433.81	448.33	435.50	387.38
2031		435,182.28		440.90	460.40	446.24	393.57
2032		443,461.25		449.18	474.76	457.86	402.21
2033		449,088.44		454.81	487.55	468.09	409.67
2034		456,194.56		461.91	502.93	480.87	420.57
2035		463,364.56		469.08	519.43	494.87	434.87
2036		471,989.70		477.71	537.36	510.24	

2.0%
22.1%



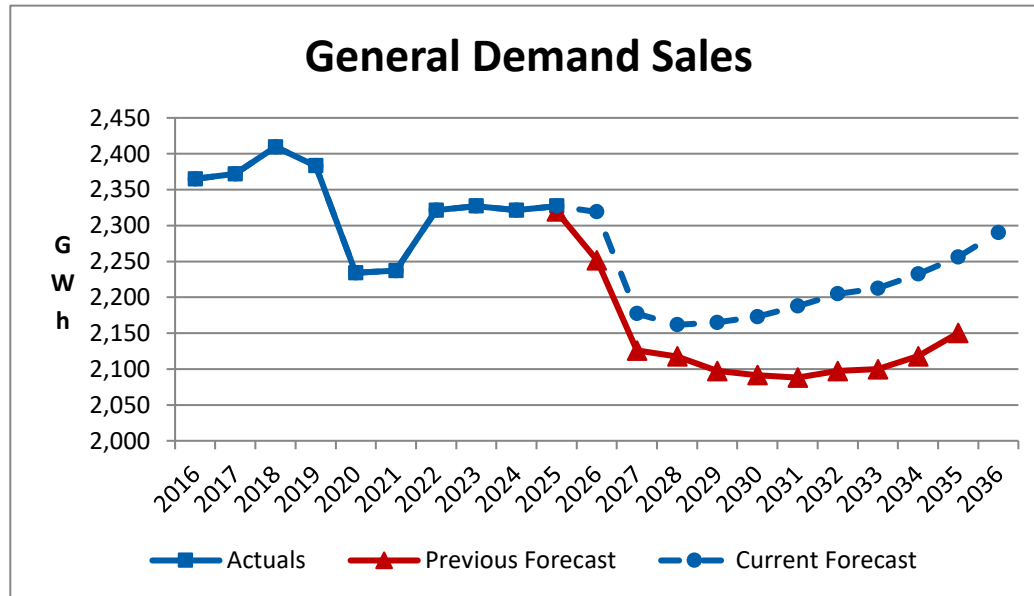
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GWh Sales 2017 - 2022																
	Rate 10		Rate 11		Rate 12		Rate 21		Rate 22		Rate 23		Rate 25		Total	
	SG		GD		LG		SI		MI		LI		LII			
		Cumulat		Cumulat		Cumulat		Cumulat		Cumulat		Cumulat		Cumulat		Cumulat
	Inc	iv	Inc	iv	Inc	iv	Inc	iv	Inc	iv	Inc	iv	Inc	iv	Inc	iv
2017.0																
2018.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2019.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026.0	0.0	0.0	0.0	0.0	0.6	0.6	0.0	0.0	2.4	2.4	0.0	0.0	0.8	0.8	3.8	3.8
2027.0	0.0	0.0	0.0	0.0	3.5	4.1	0.6	0.6	1.4	3.8	0.0	0.0	6.2	7.0	11.8	15.6
2028.0	0.0	0.0	0.0	0.0	2.8	7.0	0.6	1.2	0.4	4.2	0.0	0.0	0.5	7.6	4.5	20.0
2029.0	0.0	0.0	0.0	0.0	1.3	8.3	0.0	1.2	0.2	4.4	0.0	0.0	0.0	7.6	1.5	21.5
2030.0	0.0	0.0	0.0	0.0	1.8	10.1	0.0	1.2	2.1	6.5	0.0	0.0	0.0	7.6	3.9	25.5
2031.0	0.0	0.0	0.0	0.0	1.3	11.4	0.0	1.2	2.1	8.6	0.0	0.0	0.0	7.6	3.4	28.9
2032.0	0.0	0.0	0.0	0.0	1.3	12.7	0.0	1.2	2.1	10.7	0.0	0.0	0.0	7.7	3.4	32.3
2033.0	0.0	0.0	0.0	0.0	1.3	14.0	0.0	1.2	2.1	12.8	0.0	0.0	0.0	7.7	3.4	35.8
Total	0.0		0.0		14.0		1.2		12.8		0.0		7.7		35.8	

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Year	Actuals	Forecast no DSM	Launch	No DSM with Launch	General Demand Before DSM with Growth	Current Forecast	Previous Forecast
2001							
2002	2,349,606.41			2,349.6			
2003	2,417,229.17			2,417.2			
2004	2,426,350.54			2,426.4			
2005	2,381,272.38			2,381.3		2,381.27	
2006	2,362,755.48			2,362.8		2,362.76	
2007	2,470,926.88			2,470.9		2,470.93	
2008	2,462,564.85			2,462.6	2,462.56	2,462.56	
2009	2,458,453.73			2,458.5	2,458.45	2,458.45	
2010	2,447,070.79			2,447.1	2,447.07	2,447.07	
2011	2,447,770.65			2,447.8	2,447.77	2,447.77	
2012	2,438,889.23			2,438.9	2,438.89	2,438.89	
2013	2,482,025.00			2,482.0	2,482.03	2,482.03	
2014	2,464,757.59			2,464.8	2,464.76	2,464.76	
2015	2,456,644.60			2,456.6	2,456.64	2,456.64	
2016	2,365,044.42	2,352,156		2,365.0	2,365.04	2,365.04	
2017	2,371,941.73	2,342,280		2,371.9	2,371.94	2,371.94	
2018	2,409,589.30	2,422,355		2,409.6	2,409.59	2,409.59	
2019	2,383,153.85	2,409,807		2,383.2	2,383.15	2,383.15	
2020	2,234,045.21	2,239,864		2,234.0	2,234.05	2,234.05	
2021	2,237,191.86	2,238,247		2,237.2	2,237.19	2,237.19	
2022	2,321,232.24	2,300,475		2,321.2	2,321.23	2,321.23	
2023	2,327,050.95	2,348,523		2,327.1	2,327.05	2,327.05	
2024	2,321,186.14	2,329,691		2,321.2	2,321.19	2,321.19	
2025	2,327,017.76	2,340,253 -	13.2	2,327.0	2,327.02	2,327.02	2,319.55
2026		2,362,595		2,339.0	2,343.70	2,319.09	2,251.68
2027		2,401,117		2,214.7	2,223.17	2,177.30	2,125.95
2028		2,436,079		2,215.8	2,224.10	2,161.58	2,117.61
2029		2,449,414		2,229.1	2,238.52	2,164.99	2,097.25
2030		2,463,659		2,243.4	2,255.95	2,172.98	2,091.53
2031		2,482,057		2,261.8	2,279.30	2,187.79	2,088.08
2032		2,508,055		2,287.8	2,314.07	2,204.74	2,097.24
2033		2,523,610		2,303.3	2,338.42	2,212.55	2,099.76
2034		2,548,387		2,328.1	2,374.93	2,232.30	2,117.76
2035		2,574,246		2,354.0	2,415.08	2,256.26	2,150.21
2036		2,611,238		2,391.0	2,465.60	2,290.25	



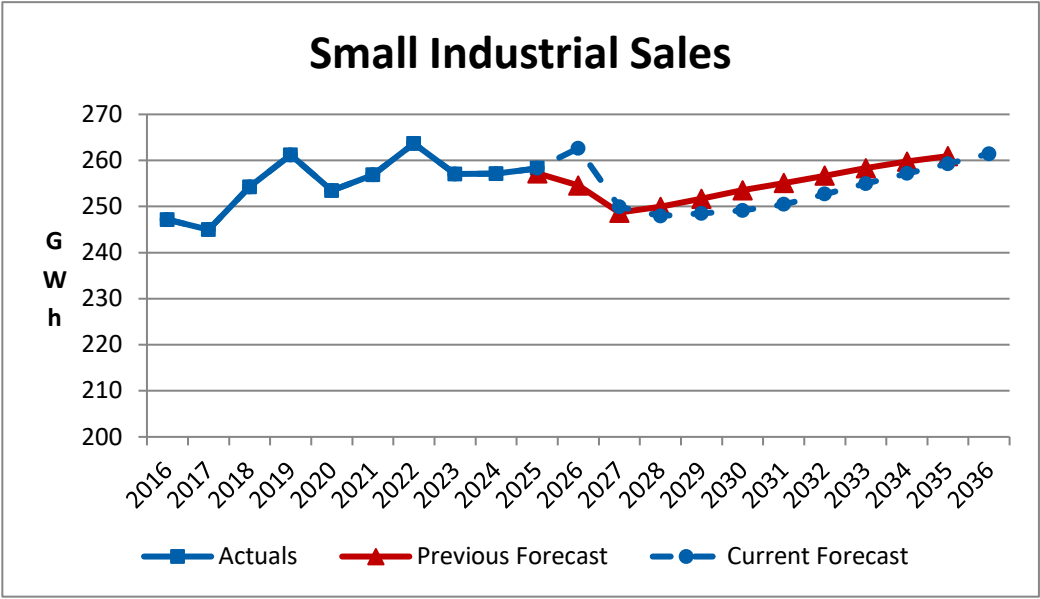
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REDACTED (CONFIDENTIAL INFORMATION REMOVED)

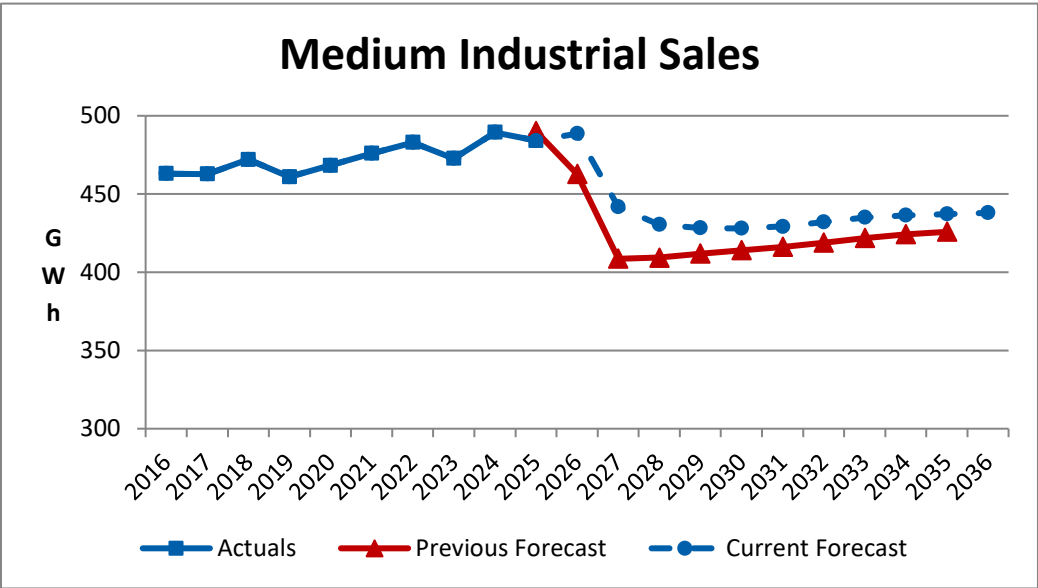
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Year	Actuals	Forecast	Launch	No DSM with Launch	Small Industrial Before DSM with Growth	Current Forecast	Previous Forecast
2001							
2002							
2003							
2004							
2005	241,108.65			241.11		241.11	
2006	239,922.38			239.92		239.92	
2007	248,104.98			248.10		248.10	
2008	254,451.36			254.45	254.45	254.45	
2009	252,610.18			252.61	252.61	252.61	
2010	254,381.20			254.38	254.38	254.38	
2011	253,279.37			253.28	253.28	253.28	
2012	250,865.17			250.87	250.87	250.87	
2013	248,995.67			249.00	249.00	249.00	
2014	252,570.24			252.57	252.57	252.57	
2015	256,926.90			256.93	256.93	256.93	
2016	247,128.09	247,917.63		247.13	247.13	247.13	
2017	244,968.34	248,726.85		244.97	244.97	244.97	
2018	254,276.31	251,201.72		254.28	254.28	254.28	
2019	261,220.23	254,782.75		261.22	261.22	261.22	
2020	253,454.03	253,184.94		253.45	253.45	253.45	
2021	256,856.78	258,516.46		256.86	256.86	256.86	
2022	263,679.22	263,061.88		263.68	263.68	263.68	
2023	257,079.20	257,685.48		257.08	257.08	257.08	
2024	257,149.64	261,270.33		257.15	257.15	257.15	
2025	258,287.72	257,766.94	0.52	258.29	258.29	258.29	257.24
2026		263,627.24		263.38	263.38	262.63	254.59
2027		265,204.24		252.85	253.22	249.93	248.70
2028		266,948.61		252.07	253.16	247.96	249.94
2029		268,779.15		253.90	255.09	248.52	251.71
2030		270,643.50		255.77	256.90	249.13	253.52
2031		273,021.64		258.14	259.30	250.46	255.11
2032		275,798.76		260.92	262.09	252.70	256.69
2033		278,538.96		263.66	264.83	254.95	258.35
2034		281,208.02		266.33	267.56	257.17	259.76
2035		283,841.69		268.96	270.20	259.31	260.95
2036		286,488.23		271.61	272.84	261.46	



Year	Actuals	Forecast	Launch	Medium Industrial		Current Forecast	Previous Forecast
				No DSM with Launch	Before DSM with Growth		
2001							
2002							
2003							
2004							
2005	557,069.84			557.07			
2006	567,300.33			567.30			
2007	567,981.14			567.98		567.98	
2008	539,433.16			539.43	539.43	539.43	
2009	492,035.62			492.04	492.04	492.04	
2010	494,875.06			494.88	494.88	494.88	
2011	491,752.10			491.75	491.75	491.75	
2012	496,284.63			496.28	496.28	496.28	
2013	491,454.00			491.45	491.45	491.45	
2014	470,660.49			470.66	470.66	470.66	
2015	475,747.56			475.75	475.75	475.75	
2016	463,012.70	453,247.46		463.01	463.01	463.01	
2017	462,709.06	456,531.58		462.71	462.71	462.71	
2018	472,025.60	461,539.87		472.03	472.03	472.03	
2019	460,954.97	469,092.52		460.95	460.95	460.95	
2020	468,214.35	471,004.72		468.21	468.21	468.21	
2021	475,958.08	479,677.52		475.96	475.96	475.96	
2022	482,875.03	480,536.50		482.88	482.88	482.88	
2023	472,749.38	479,535.56		472.75	472.75	472.75	
2024	489,266.92	481,961.05		489.27	489.27	489.27	
2025	484,116.29	476,410.97	7.7	484.12	484.12	484.12	490.1
2026		483,407.74		488.30	489.49	488.6	462.7
2027		482,919.83		443.42	445.77	441.8	408.6
2028		481,726.30		432.99	436.71	430.4	409.3
2029		480,732.26		432.00	436.24	428.3	411.9
2030		480,154.63		431.42	437.41	428.0	414.1
2031		480,619.16		431.88	439.96	429.2	416.3
2032		482,009.45		433.28	443.38	432.0	418.8
2033		483,564.89		434.83	446.99	435.0	421.7
2034		485,056.59		436.32	449.09	436.5	424.2
2035		486,380.25		437.65	450.41	437.2	425.7
2036		487,676.11		438.94	451.71	437.9	

-1.1%
-10.4%



Year	DLC	CPP	BNI Curtail	Grand Total with ELCC	Jan	Feb	Dec	Estimated ELCC
2021				0.0		0.0	0.0	0.0
2022	0.0	1.0	0.0	0.5		0.5	0.5	0.5
2023	0.2	1.0	2.8	1.9		1.9	1.9	1.9
2024	2.9	2.0	7.1	5.8		5.8	5.8	5.8
2025	7.1	3.2	10.7	10.1		10.1	10.1	10.1
2026	5	0	12	8		7.8	7.8	7.8
2027	4	3	17	11		11.5	11.5	11.5
2028	4	5	19	14		13.7	13.7	13.7
2029	4	9	21	17		16.6	16.6	16.6
2030	4	15	23	20		20.2	20.2	20.2
2031	4	21	26	24		24.0	24.0	24.0
2032	39	26	6	34		34.0	34.0	34.0
2033	38	30	6	36		35.7	35.7	35.7
2034	38	32	6	37		36.7	36.7	36.7
2035	38	33	6	37		37.1	37.1	37.1
2036	38.0	34	6	37		37.3	37.3	37.3

Year 2036
PHP 2050
DSMYear 2026

Forecast With Out DSM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	592.3	536.0	500.0	370.3	294.2	240.2	270.2	261.1	237.3	293.3	377.4	546.0	4,518
ETS	51.4	48.7	46.5	32.0	20.9	26.7	10.5	20.6	14.5	20.1	29.6	50.2	372
Res CPP	45.2	41.8	39.5	31.2	25.6	21.0	23.4	22.3	19.8	22.8	28.8	41.8	363
Res TOU	79.6	73.6	69.6	55.1	45.2	37.0	41.2	39.3	34.9	40.1	50.8	73.6	640
Residential Total	768.5	700.1	655.5	488.6	385.9	324.9	345.3	343.2	306.4	376.3	486.5	711.6	5,893
Small General	60.4	55.1	52.6	42.6	41.3	34.3	39.6	36.2	33.5	36.4	45.0	59.1	536
SG CPP	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	1
SG TOU	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	1
General Demand	262.0	234.1	232.2	187.5	173.8	165.5	193.9	184.8	163.1	183.9	219.9	241.4	2,442
GD CPP	2.0	1.9	1.9	1.6	1.5	1.5	1.7	1.6	1.4	1.5	1.8	1.9	20
GD TOU	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3	3
Large General	32.9	30.1	31.4	31.1	27.2	27.0	37.5	33.8	32.4	33.5	27.8	30.0	375
Commercial Total	357.9	321.6	318.4	263.2	244.1	228.7	273.0	256.7	230.7	255.6	294.8	332.7	3,377
Small Industrial	25.5	23.7	22.7	21.6	22.8	23.9	24.1	21.8	18.1	19.0	22.8	26.6	273
Medium Industrial	39.0	35.5	37.4	34.4	26.5	41.8	42.4	41.6	38.6	34.8	40.5	39.1	452
Large Industrial	9.8	9.2	9.4	9.2	8.2	7.5	8.9	8.2	7.8	8.7	7.9	8.6	103
L.I. Interruptible	58.1	53.7	57.7	57.2	54.8	52.6	57.5	61.1	56.4	61.5	54.0	50.9	676
GR & LF	0.7	0.9	0.9	-0.2	0.1	0.2	1.6	3.7	3.6	3.7	0.5	1.3	17
Industrial Total	133.5	123.6	128.3	122.8	113.2	127.9	136.2	138.4	126.0	129.6	127.0	127.2	1,534
Municipal	6.3	5.7	5.4	3.4	3.2	2.3	3.0	2.9	2.8	3.2	4.3	5.5	48
BUTU	5.4	5.2	3.0	5.7	6.6	7.5	8.9	11.3	9.0	5.8	4.2	6.0	79
EBS	9.3	8.9	5.1	9.8	11.4	12.9	15.2	19.4	15.6	9.9	7.2	10.4	135
Unmetered	5.4	5.9	5.2	5.5	6.5	5.0	5.6	4.9	5.6	4.9	6.2	5.3	66
Other Total	26.4	25.8	18.8	24.4	27.7	27.7	32.7	38.4	33.0	23.7	22.0	27.2	328
Total Sales	1339.5	1217.9	1186.4	964.7	839.6	771.8	856.5	845.1	768.0	860.3	1001.4	1255.0	11,906
Transmission Losses	43.3	41.8	39.1	26.8	22.4	19.8	20.7	18.1	17.4	20.7	30.9	35.3	336
Distribution Losses	59.2	52.8	54.8	43.8	38.0	34.4	36.6	36.4	34.5	38.0	44.7	55.1	528
Total Losses	102.4	94.6	93.8	70.5	60.4	54.2	57.3	54.5	51.9	58.7	75.6	90.4	864
Losses % NSR	7.1%	7.2%	7.3%	6.8%	6.7%	6.6%	6.3%	6.1%	6.3%	6.4%	7.0%	6.7%	6.8%
NSR	1441.9	1312.5	1280.2	1035.2	900.0	826.0	913.8	899.6	819.9	918.9	1077.0	1345.3	12,770

Forecast With DSM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	563.7	510.2	475.9	352.5	280.0	228.7	257.2	248.5	225.9	279.2	359.2	519.8	4,301
ETS	49.6	46.9	44.8	30.9	20.2	25.7	10.1	19.8	14.0	19.4	28.5	48.4	358
Res CPP	44.2	40.9	38.6	30.6	25.1	20.6	22.9	21.8	19.4	22.3	28.2	40.9	355
Res TOU	78.7	72.7	68.7	54.4	44.6	36.6	40.7	38.8	34.4	39.6	50.2	72.7	632
Residential Total	736.2	670.7	628.1	468.3	369.9	311.5	330.9	328.9	293.7	360.5	466.1	681.7	5,646.4
Small General	57.4	52.4	49.9	40.5	39.2	32.6	37.6	34.4	31.8	34.6	42.7	56.1	509
SG CPP	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0
SG TOU	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1
General Demand	243.1	217.2	215.4	173.9	161.2	153.5	179.8	171.4	151.3	170.6	204.0	223.9	2,265
GD CPP	2.0	1.8	1.9	1.6	1.5	1.5	1.7	1.6	1.4	1.5	1.7	1.9	20
GD TOU	0.3	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	3
MURB	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2
Large General	30.5	27.8	29.1	28.8	25.2	25.0	34.7	31.3	30.0	31.0	25.8	27.7	347
Commercial Total	333.6	299.8	296.8	245.3	227.5	213.0	254.3	239.1	214.9	238.1	274.7	310.2	3,147
Small Industrial	24.5	22.7	21.8	20.7	21.9	22.9	23.1	20.9	17.3	18.2	21.9	25.5	261
Medium Industrial	37.9	34.5	36.3	33.4	25.6	40.5	41.1	40.4	37.4	33.8	39.2	37.9	438
Large Industrial	7.1	6.6	6.8	6.6	5.9	5.4	6.4	5.9	5.6	6.3	5.7	6.2	74
L.I. Interruptible	50.7	46.9	50.4	49.9	47.8	46.0	50.2	53.3	49.2	53.7	47.2	44.4	590
GR & LF	0.7	0.9	0.9	-0.2	0.1	0.2	1.6	3.7	3.6	3.7	0.5	1.3	17
Industrial Total	121.1	112.1	116.3	111.0	102.2	116.9	124.1	126.1	114.7	117.5	115.8	116.0	1,394
Municipal	5.9	5.4	5.1	3.2	3.0	2.2	2.8	2.7	2.6	3.0	4.1	5.1	45
BUTU	5.4	5.2	3.0	5.7	6.6	7.5	8.9	11.3	9.0	5.8	4.2	6.0	79
EBS	9.3	8.9	5.1	9.8	11.4	12.9	15.2	19.4	15.6	9.9	7.2	10.4	135
Unmetered	5.4	5.9	5.2	5.5	6.5	5.0	5.6	4.9	5.6	4.9	6.2	5.3	66
Other Total	26.0	25.4	18.4	24.1	27.5	27.6	32.5	38.2	32.8	23.5	21.7	26.8	325
Total Sales	1270.1	1154.9	1124.9	914.5	795.8	731.5	811.2	800.8	728.0	814.6	949.3	1191.1	11,287
Transmission Losses	40.6	39.2	36.6	25.1	21.0	18.6	19.4	17.0	16.3	19.4	29.0	33.1	315
Distribution Losses	55.5	49.5	51.4	41.0	35.6	32.2	34.3	34.2	32.3	35.6	41.9	51.6	495
Total Losses	96.0	88.7	88.0	66.1	56.6	50.8	53.7	51.1	48.6	55.0	70.9	84.7	810
Losses % NSR	7.0%	7.1%	7.3%	6.7%	6.6%	6.5%	6.2%	6.0%	6.3%	6.3%	6.9%	6.6%	6.7%
NSR	1366.1	1243.7	1212.9	980.6	852.5	782.3	864.9	852.0	776.6	869.6	1020.2	1275.8	12,097

Year	Month	Pred
2005		1
2005		2
2005		3
2005		4
2005		5
2005		6
2005		7
2005		8
2005		9
2005		10
2005		11
2005		12
2006		1
2006		2
2006		3
2006		4
2006		5
2006		6
2006		7
2006		8
2006		9
2006		10
2006		11
2006		12
2007		1
2007		2
2007		3
2007		4
2007		5
2007		6
2007		7
2007		8
2007		9
2007		10
2007		11
2007		12
2008		1
2008		2
2008		3
2008		4
2008		5
2008		6
2008		7
2008		8
2008		9
2008		10
2008		11
2008		12
2009		1
2009		2
2009		3
2009		4
2009		5
2009		6
2009		7
2009		8
2009		9
2009		10
2009		11
2009		12
2010		1
2010		2
2010		3
2010		4
2010		5
2010		6
2010		7
2010		8
2010		9
2010		10
2010		11
2010		12
2011		1
2011		2

Year	Month	Pred
2011	3	
2011	4	
2011	5	
2011	6	
2011	7	
2011	8	
2011	9	
2011	10	
2011	11	
2011	12	
2012	1	
2012	2	
2012	3	
2012	4	
2012	5	
2012	6	
2012	7	
2012	8	
2012	9	
2012	10	
2012	11	
2012	12	
2013	1	
2013	2	
2013	3	
2013	4	
2013	5	
2013	6	
2013	7	
2013	8	
2013	9	
2013	10	
2013	11	
2013	12	
2014	1	
2014	2	
2014	3	
2014	4	
2014	5	
2014	6	
2014	7	
2014	8	
2014	9	
2014	10	
2014	11	
2014	12	
2015	1	
2015	2	
2015	3	
2015	4	
2015	5	
2015	6	
2015	7	
2015	8	
2015	9	
2015	10	
2015	11	
2015	12	
2016	1	1628.1
2016	2	1506.2
2016	3	1513.8
2016	4	1461.5
2016	5	1094.5
2016	6	1063.8
2016	7	1033.5
2016	8	1038.4
2016	9	1007.9
2016	10	1126.6
2016	11	1332.8
2016	12	1908.1
2017	1	1825.5
2017	2	1632.6
2017	3	1668.7
2017	4	1372.6

Year	Month	Pred
2017	5	1147.9
2017	6	1057.0
2017	7	1092.7
2017	8	1063.1
2017	9	1050.2
2017	10	1079.8
2017	11	1421.0
2017	12	1877.0
2018	1	1890.1
2018	2	1732.2
2018	3	1537.5
2018	4	1327.2
2018	5	1051.6
2018	6	1109.4
2018	7	1089.6
2018	8	1073.8
2018	9	1068.0
2018	10	1140.9
2018	11	1616.6
2018	12	1735.2
2019	1	1736.5
2019	2	1898.6
2019	3	1732.9
2019	4	1402.5
2019	5	1192.4
2019	6	1062.8
2019	7	1124.1
2019	8	1117.6
2019	9	1023.7
2019	10	1101.0
2019	11	1509.9
2019	12	1668.2
2020	1	1814.5
2020	2	1781.0
2020	3	1595.3
2020	4	1350.7
2020	5	1061.0
2020	6	951.5
2020	7	1146.1
2020	8	1096.6
2020	9	1064.9
2020	10	1170.2
2020	11	1438.6
2020	12	1708.0
2021	1	1654.4
2021	2	1744.9
2021	3	1711.9
2021	4	1355.8
2021	5	1195.4
2021	6	1097.0
2021	7	1075.1
2021	8	1141.2
2021	9	1078.4
2021	10	1179.4
2021	11	1425.3
2021	12	1802.9
2022	1	1921.0
2022	2	1892.1
2022	3	1857.8
2022	4	1393.1
2022	5	1207.0
2022	6	1086.7
2022	7	1156.1
2022	8	1116.8
2022	9	983.0
2022	10	1268.7
2022	11	1493.0
2022	12	1725.8
2023	1	1766.8
2023	2	2283.0
2023	3	1661.6
2023	4	1429.4
2023	5	1198.4
2023	6	1167.1

Year	Month	Pred
2023	7	1204.3
2023	8	1159.3
2023	9	1083.0
2023	10	1179.2
2023	11	1560.4
2023	12	1803.5
2024	1	1786.2
2024	2	1904.9
2024	3	1786.4
2024	4	1458.4
2024	5	1172.8
2024	6	1167.4
2024	7	1252.1
2024	8	1277.1
2024	9	1141.0
2024	10	1268.1
2024	11	1543.4
2024	12	1881.2
2025	1	2081.8
2025	2	2069.1
2025	3	1889.2
2025	4	1383.2
2025	5	1269.1
2025	6	1046.1
2025	7	1264.4
2025	8	1253.1
2025	9	1126.5
2025	10	1190.7
2025	11	1528.4
2025	12	1811.1
2026	1	2261.3
2026	2	2168.2
2026	3	1854.8
2026	4	1454.7
2026	5	1207.4
2026	6	1135.3
2026	7	1205.4
2026	8	1251.2
2026	9	1133.3
2026	10	1215.0
2026	11	1631.5
2026	12	1950.9
2027	1	2274.0
2027	2	2194.1
2027	3	1882.4
2027	4	1479.8
2027	5	1224.4
2027	6	1150.7
2027	7	1223.4
2027	8	1267.8
2027	9	1144.3
2027	10	1228.6
2027	11	1646.9
2027	12	1976.3
2028	1	2299.0
2028	2	2211.2
2028	3	1904.5
2028	4	1494.8
2028	5	1235.8
2028	6	1161.1
2028	7	1238.9
2028	8	1284.9
2028	9	1155.7
2028	10	1238.8
2028	11	1661.2
2028	12	1994.8
2029	1	2316.0
2029	2	2233.3
2029	3	1921.2
2029	4	1506.1
2029	5	1244.4
2029	6	1169.3
2029	7	1252.4
2029	8	1300.2

Year	Month	Pred
2029	9	1165.8
2029	10	1247.8
2029	11	1674.1
2029	12	2011.9
2030	1	2328.5
2030	2	2245.5
2030	3	1933.7
2030	4	1512.6
2030	5	1248.3
2030	6	1172.5
2030	7	1261.9
2030	8	1312.5
2030	9	1172.2
2030	10	1253.3
2030	11	1684.6
2030	12	2028.6
2031	1	2350.9
2031	2	2266.6
2031	3	1952.6
2031	4	1523.1
2031	5	1254.8
2031	6	1177.4
2031	7	1272.7
2031	8	1325.6
2031	9	1179.1
2031	10	1259.3
2031	11	1695.5
2031	12	2045.5
2032	1	2369.4
2032	2	2277.9
2032	3	1968.6
2032	4	1531.9
2032	5	1260.1
2032	6	1181.5
2032	7	1282.8
2032	8	1337.9
2032	9	1185.4
2032	10	1264.4
2032	11	1704.9
2032	12	2060.4
2033	1	2389.6
2033	2	2303.4
2033	3	1985.8
2033	4	1541.2
2033	5	1265.7
2033	6	1185.7
2033	7	1293.2
2033	8	1350.7
2033	9	1191.7
2033	10	1269.8
2033	11	1715.3
2033	12	2077.0
2034	1	2411.2
2034	2	2324.1
2034	3	2004.0
2034	4	1551.1
2034	5	1271.5
2034	6	1189.9
2034	7	1303.5
2034	8	1363.4
2034	9	1197.9
2034	10	1275.3
2034	11	1726.1
2034	12	2094.2

Year	Month	Pred
2035	1	2432.9
2035	2	2344.9
2035	3	2022.3
2035	4	1561.2
2035	5	1277.8
2035	6	1194.6
2035	7	1314.4
2035	8	1376.5
2035	9	1204.6
2035	10	1281.2
2035	11	1737.3
2035	12	2111.5
2036	1	2447.8
2036	2	2352.8
2036	3	2035.9
2036	4	1569.9
2036	5	1283.9
2036	6	1200.5
2036	7	1326.5
2036	8	1390.8
2036	9	1212.3
2036	10	1287.2
2036	11	1746.9
2036	12	2125.0

Jan-18	2018	Jan	31	1,583,712	1,415,237	802,422	2,406,720	787,344	2,093,952	1,148,568	4,738,872	1,306,224	2,057,292	3,828,000	1,721,328	1,132,800	1,941,216	2,905,560	1,747,800	-	606,840	924,516	1,033,088	-	34,181,491
Feb-18	2018	Feb	28	1,465,776	1,286,421	702,468	2,208,816	730,188	1,943,856	1,050,576	4,286,372	995,796	1,871,568	3,427,040	1,594,128	960,048	1,751,472	2,522,760	1,602,468	-	530,616	813,564	962,331	-	30,706,264
Mar-18	2018	Mar	31	1,595,160	1,434,968	777,672	2,434,800	800,544	2,101,248	1,153,560	4,769,179	1,013,274	2,025,756	3,426,000	1,680,960	1,063,776	1,916,592	2,947,000	1,706,184	-	580,224	887,976	1,072,465	-	33,387,338
Apr-18	2018	Apr	30	1,547,352	1,299,584	755,568	2,360,544	775,320	2,017,296	1,103,208	4,491,478	839,772	1,856,700	4,049,220	1,612,320	948,000	1,847,520	2,769,120	1,627,992	-	535,872	850,644	924,073	223,320	32,434,903
May-18	2018	May	31	1,588,680	1,175,530	765,450	2,516,112	817,272	2,293,056	1,153,824	4,454,668	849,744	1,745,424	3,401,600	1,633,008	811,200	1,951,488	2,460,720	1,541,448	-	532,896	839,196	903,825	1,001,380	30,433,761
Jun-18	2018	Jun	30	1,549,776	1,070,573	714,078	2,788,608	834,288	2,506,944	1,224,120	4,415,145	901,116	1,545,156	3,464,640	1,471,968	785,664	2,076,000	2,440,080	1,603,512	-	523,608	813,384	872,913	-	31,601,573
Jul-18	2018	Jul	31	1,675,296	1,237,654	785,430	3,742,800	1,027,236	3,258,432	1,663,944	5,254,324	1,053,090	1,970,748	3,392,640	1,632,240	860,784	2,751,936	2,924,640	1,951,128	-	592,200	867,492	879,324	2	37,521,336
Aug-18	2018	Aug	31	1,680,024	1,331,867	814,104	3,940,080	1,046,664	3,383,760	1,833,696	5,463,643	914,022	2,003,508	3,808,320	1,671,552	852,432	2,939,088	3,057,840	2,000,988	-	620,088	910,908	1,017,337	229,760	39,519,681
Sep-18	2018	Sep	30	1,582,080	1,325,347	716,058	3,162,960	921,132	2,781,984	1,384,272	5,032,846	1,003,860	1,679,040	3,747,200	1,564,752	736,464	2,396,448	2,400,360	1,648,620	-	551,184	871,416	717,114	-	271,505
Oct-18	2018	Oct	31	1,600,512	1,420,365	712,422	2,583,408	791,952	2,345,712	1,106,640	4,799,779	766,836	1,729,800	3,472,480	1,645,968	791,904	2,040,000	2,449,320	1,589,688	-	535,128	882,180	1,127,534	-	18,373
Nov-18	2018	Nov	30	1,520,232	1,344,297	741,618	2,328,192	767,820	2,013,696	1,051,248	4,503,645	754,218	1,880,604	3,280,640	1,671,072	902,784	1,890,096	2,518,800	1,622,304	-	560,088	863,676	636,426	-	727,246
Dec-18	2018	Dec	31	1,596,528	1,266,543	775,512	2,411,328	809,100	2,059,152	1,082,184	4,423,972	1,051,308	2,062,260	3,575,200	1,669,248	961,056	1,919,712	2,675,040	1,927,224	-	590,376	886,644	935,998	184,100	32,862,485
Jan-19	2019	Jan	31	1,613,664	1,369,620	790,002	2,446,416	838,044	2,104,512	1,118,496	4,725,528	1,051,308	2,122,092	3,828,000	1,722,672	1,053,648	1,964,208	2,779,880	1,910,268	-	625,224	949,356	1,033,088	-	34,045,826
Feb-19	2019	Feb	28	1,437,960	1,257,557	678,782	2,212,512	730,188	1,909,920	1,005,240	4,270,547	1,293,084	1,896,264	3,427,040	1,502,544	925,920	1,756,992	2,569,080	1,721,016	-	564,000	864,000	962,331	-	42,279
Mar-19	2019	Mar	31	1,569,816	1,400,340	725,904	2,429,856	759,900	2,103,360	1,102,032	4,795,125	938,772	1,984,068	3,593,280	1,608,960	989,664	1,920,624	2,737,320	1,747,980	-	583,856	917,928	1,031,969	-	186,433
Apr-19	2019	Apr	30	1,497,720	1,250,768	662,688	2,327,856	775,320	2,010,288	1,041,528	4,525,884	839,772	1,885,356	2,047,840	1,506,912	921,984	1,823,904	2,403,600	1,594,260	-	532,584	871,452	917,541	-	238,150
May-19	2019	May	31	1,526,232	1,173,381	660,852	2,383,824	748,416	2,111,088	1,091,376	4,427,908	814,698	1,747,836	3,394,240	1,477,728	820,560	1,899,936	2,451,360	1,637,100	-	538,632	858,564	895,013	1,405,684	32,064,428
Jun-19	2019	Jun	30	1,520,136	1,070,573	678,168	2,728,512	834,288	2,507,040	1,159,200	4,465,011	901,116	1,639,836	3,464,640	1,420,128	721,920	2,088,960	2,353,200	1,617,948	-	494,640	772,560	863,064	22,460	31,323,400
Jul-19	2019	Jul	31	1,617,864	1,237,654	765,144	3,603,168	1,027,236	3,115,152	1,479,096	4,857,837	767,808	1,953,288	3,622,400	1,585,872	828,816	2,761,152	2,700,240	1,902,708	-	579,840	812,988	968,864	-	301,253
Aug-19	2019	Aug	31	1,610,352	1,331,867	765,450	3,801,648	1,046,664	3,111,888	1,578,120	4,602,122	1,003,860	1,909,512	3,747,200	1,598,544	827,760	2,714,160	2,674,680	1,861,920	-	569,832	812,196	957,956	536,131	37,061,862
Sep-19	2019	Sep	30	1,350,216	1,325,347	625,986	3,025,344	921,132	2,643,456	1,215,528	4,467,022	766,836	1,537,848	3,472,480	1,435,392	746,736	2,137,632	2,349,240	1,579,140	-	474,216	797,436	979,262	-	709,904
Oct-19	2019	Oct	31	1,545,312	1,186,812	665,892	2,538,864	932,796	2,274,528	1,089,504	4,644,528	846,522	1,715,400	3,099,520	1,515,984	787,248	1,907,616	2,446,440	1,662,084	-	504,048	845,928	1,017,480	-	238,620
Nov-19	2019	Nov	30	1,468,104	1,074,480	673,218	2,292,336	767,820	1,982,448	1,032,672	4,406,447	806,796	1,870,020	3,162,560	1,532,112	858,000	1,821,120	2,474,760	1,573,704	-	524,664	856,548	983,516	-	750,475
Dec-19	2019	Dec	31	1,523,832	1,266,543	733,626	2,371,584	809,100	2,048,016	1,100,928	4,298,587	1,051,308	1,975,140	3,575,200	1,540,896	937,008	1,864,656	2,616,240	1,758,348	-	581,256	880,488	897,923	-	496,888
Jan-20	2020	Jan	31	1,539,096	1,369,620	745,020	2,376,432	951,480	2,101,344	1,102,296	4,627,353	1,293,084	2,038,572	3,713,440	1,594,944	985,776	1,878,480	2,784,960	1,786,536	-	601,536	917,172	968,294	-	606,197
Feb-20	2020	Feb	29	1,419,672	1,257,557	700,632	2,224,272	869,040	1,961,760	1,020,144	4,298,021	1,175,940	1,930,572	3,170,240	1,484,352	921,024	1,771,344	2,562,720	1,627,704	-	564,024	842,184	931,257	-	635,258
Mar-20	2020	Mar	31	1,530,360	1,228,326	617,598	2,294,304	895,560	2,073,696	1,086,336	4,315,308	938,772	1,895,256	3,593,280	1,508,208	886,272	1,892,352	2,556,480	1,588,752	-	536,304	834,336	911,863	-	378,747
Apr-20	2020	Apr	30	1,492,752	855,042	385,740	2,170,272	837,864	1,934,400	1,031,736	3,330,884	938,772	1,589,076	3,593,280	1,339,440	730,080	1,756,464	2,065,440	1,084,068	-	436,752	673,344	693,752	-	240,847
May-20	2020	May	31	1,559,592	813,894	398,034	2,424,864	905,640	2,138,832	1,136,736	3,330,884	751,536	1,547,424	3,472,960	1,333,824	651,984	1,917,504	2,008,200	1,069,920	-	441,672	644,508	696,723	-	338,100
Jun-20	2020	Jun	30	1,549,152	760,805	577,710	2,849,760	996,000	2,609,808	1,240,032	3,363,815	767,808	1,567,764	3,236,480	1,308,336	577,968	2,153,088	1,952,280	1,139,472	-	417,288	639,576	612,026	-	25,412
Jul-20	2020	Jul	31	1,632,264	810,671	650,880	3,393,936	996,000	3,107,424	1,510,536	4,010,524	862,938	1,723,644	3,813,760	1,370,544	656,304	2,706,384	2,256,720	1,318,896	-	476,472	680,760	676,251	-	32,905,454
Aug-20	2020	Aug	31	1,620,552	886,397	660,618	3,380,496	1,194,720	3,082,560	1,563,984	4,250,748	955,782	1,771,848	3,498,560	1,444,560	647,136	2,719,248	2,283,480	1,331,928	-	498,384	680,940	729,486	-	466,110
Sep-20	2020	Sep	30	1,551,096	1,122,880	586,854	3,004,128	1,066,416	2,711,664	1,375,152	4,057,974	846,522	1,537,848	3,099,520	1,378,416	585,072	2,330,544	2,116,440	1,170,972	-	491,928	691,416	726,047	-	210,350
Oct-20	2020	Oct	31	1,563,120	1,225,713	569,502	2,627,856	948,360	2,340,000	1,166,280	3,923,859	754,218	1,667,340	3,825,600	1,437,360	596,592	2,029,488	2,116,800	1,187,136	-	465,264	703,944	735,653	-	30,505,279
Nov-20	2020	Nov	30	1,438,200	1,207,056	587,880	2,275,008	897,960	2,035,296	1,045,824	3,671,808	963,468	1,710,576	3,361,440	1,470,192	676,512	1,872,384	2,150,760	1,230,336	-	464,736	713,628	741,025	-	251,318
Dec-20	2020	Dec	31	1,513,536	1,171,696	635,202	2,329,008	966,576	2,082,480	1,077,720	3,688,391	1,080,018	1,779,012	3,683,040	1,472,640	739,584	1,822,512	2,219,280	1,327,752	-	491,256	766,008	704,212	253,206	29,803,129

Jan-21	2021	Jan	31	1,518,504	1,195,896	624,942	2,372,880	996,672	2,097,168	1,074,096	3,940,562	964,647	1,901,484	3,442,880	1,525,728	799,728	1,865,040	2,341,440	1,350,612	-	525,504	802,512	764,061	173,640	30,277,996
Feb-21	2021	Feb	28	1,383,768	1,116,116	565,452	2,134,272	905,856	1,893,024	995,376	3,621,005	791,064	1,755,000	3,205,600	1,446,048	781,392	1,675,056	2,157,600	1,131,120	-	492,664	702,828	720,471	559,589	28,033,301
Mar-21	2021	Mar	31	1,538,592	1,251,012	639,072	2,369,520	998,736	2,054,400	1,093,992	3,976,699	935,082	1,894,320	3,519,200	1,568,256	839,952	1,831,488	2,313,360	1,247,724	-	539,256	790,272	798,575	447,228	30,646,736
Apr-21	2021	Apr	30	1,436,520	1,135,432	552,222	2,262,288	943,944	1,957,776	1,036,224	3,725,361	854,748	1,642,824	3,638,880	1,432,464	685,968	1,768,224	2,083,200	1,145,880	-	474,384	711,504	713,573	390,214	28,591,630
May-21	2021	May	31	1,482,744	843,638	431,136	2,423,616	981,744	2,151,072	1,116,312	3,577,691	1,045,638	1,529,712	3,633,440	1,316,880	538,128	1,950,960	1,954,080	1,140,012	-	419,832	673,236	697,761	-	27,907,632
Jun-21	2021	Jun	30	1,469,328	833,601	612,036	2,979,936	1,144,128	2,702,832	1,358,592	3,970,679	799,794	1,599,732	3,455,040	1,323,360	568,032	2,407,104	2,050,200	1,236,024	-	497,376	709,056	704,904	-	30,421,754
Jul-21	2021	Jul	31	1,527,456	975,139	643,932	3,270,240	1,276,344	2,990,736	1,489,968	4,290,190	896,868	1,747,296	4,055,680	1,395,408	675,120	2,743,920	2,212,920	1,371,780	-	554,784	691,128	773,178	581,770	34,163,857
Aug-21	2021	Aug	31	1,547,880	1,106,959	694,728	3,407,712	1,355,448	3,168,000	1,705,824	4,605,356	816,372	1,747,296	3,848,320	1,483,440	694,176	2,963,520	2,308,560	1,515,888	-	583,560	716,472	833,882	-	35,008,353
Sep-21	2021	Sep	30	1,489,248	1,249,962	629,262	3,004,128	1,229,184	2,849,856	1,441,488	4,563,653	840,240	1,564,956	3,672,960	1,355,760	585,072	2,525,232	2,070,000	1,283,508	-	524,448	672,984	931,114	37,502	32,520,557
Oct-21	2021	Oct	31	1,492,800	1,314,553	609,642	2,533,776	1,092,768	2,345,088	1,193,496	4,428,067	776,340	1,544,832	3,552,160	1,378,944	624,768	2,149,104	1,984,800	1,265,256	-	501,024	710,856	916,116	-	29,957,662
Nov-21	2021	Nov	30	1,390,176	1,207,056	602,208	2,275,008	996,408	1,972,512	1,045,824	4,117,116	653,634	1,681,128	3,924,480	1,397,472	725,952	1,882,416	2,026,800	1,284,480	-	533,328	727,848	903,520	90,110	29,437,476
Dec-21	2021	Dec	31	1,426,104	1,200,585	663,066	2,333,712	1,019,256	2,000,112	1,081,248	4,017,451	1,096,218	1,741,104	3,840,480	1,413,504	794,112	1,857,072	2,219,280	1,420,956	-	589,080	745,992	842,734	-	30,146,549
Jan-22	2022	Jan	31	1,518,504	1,254,382	655,164	2,323,536	1,013,616	1,996,848	1,078,848	3,940,562	1,203,876	1,747,440	3,504,640	1,430,880	799,728	1,823,808	2,267,160	1,335,132	-	642,024	752,508	876,291	-	29,808,323
Feb-22	2022	Feb	28	1,263,504	1,148,961	581,076	2,134,272	925,920	1,813,008	961,320	3,890,147	889,812	1,648,476	3,092,000	1,351,440	781,392	1,650,576	2,021,400	1,162,620	-	573,216	686,988	852,380	101,842	27,530,350
Mar-22	2022	Mar	31	1,382,520	1,308,179	659,502	2,369,520	1,032,216	2,006,016	1,093,992	3,976,699	1,081,296	1,764,000	3,309,120	1,610,448	907,056	1,843,152	2,250,840	1,365,660	-	613,968	790,272	956,877	474,384	30,795,717
Apr-22	2022	Apr	30	1,354,416	1,120,829	606,942	2,262,288	976,104	1,904,544	1,016,136	4,010,753	1,020,042	1,601,784	3,053,280	1,376,688	737,712	1,710,336	2,083,200	1,241,316	-	554,112	671,724	853,520	572,085	28,727,811
May-22	2022	May	31	1,426,008	1,001,049	642,312	2,485,728	1,335,120	2,101,008	1,124,352	4,137,347	943,200	1,610,856	3,147,840	1,391,952	667,200	1,954,800	1,954,080	1,304,892	-	515,088	657,432	811,192	-	28,946,970
Jun-22	2022	Jun	30	1,436,424	984,688	650,286	2,979,936	917,016	2,338,752	1,283,352	4,148,500	740,682	1,493,892	3,017,920	1,411,440	646,704	2,170,032	2,050,200	1,316,556	-	476,808	615,816	816,137	-	29,376,299
Jul-22	2022	Jul	31	1,537,680	975,139	704,556	3,270,240	1,356,696	2,683,248	1,529,976	4,647,808	896,868	1,649,844	3,863,200	1,465,920	710,976	2,636,544	2,212,920	1,580,112	-	518,784	607,896	854,598	61,814	33,764,819
Aug-22	2022	Aug	31	1,547,328	1,151,330	731,628	3,407,712	1,456,704	2,825,136	1,705,824	4,605,356	766,674	1,797,948	4,242,400	1,599,120	690,144	2,906,160	2,308,560	1,636,776	-	567,816	663,588	886,527	-	35,258,559
Sep-22	2022	Sep	30	1,410,840	1,237,801	619,128	3,005,520	1,143,192	2,426,016	1,441,488	4,563,653	654,840	1,527,912	3,637,920	1,486,320	616,704	2,287,392	2,257,056	1,278,432	-	473,592	665,244	863,613	545,225	32,141,888
Oct-22	2022	Oct	31	1,528,056	1,351,671	651,114	2,533,776	1,143,696	2,244,000	1,193,496	4,428,067	775,890	1,590,120	3,919,040	1,409,088	627,936	2,124,720	1,984,800	1,305,468	-	480,600	630,216	941,696	-	29,844,759
Nov-22	2022	Nov	30	1,484,064	1,329,840	626,094	2,279,136	1,040,400	2,041,632	1,046,352	4,117,116	887,220	1,675,080	3,461,120	1,417,872	691,248	1,932,240	2,026,800	1,317,636	-	506,088	652,896	926,861	-	29,352,591
Dec-22	2022	Dec	31	1,485,936	1,250,133	661,698	2,333,712	1,008,384	1,995,984	1,081,248	4,017,451	1,050,714	1,712,124	3,644,000	1,515,600	755,616	1,886,016	2,209,440	1,419,408	-	562,704	676,224	872,242	161,935	30,300,569
Jan-23	2023	Jan	31	1,476,072	1,289,425	645,984	2,323,536	1,022,472	2,017,392	1,078,848	4,304,133	1,410,336	1,798,992	3,569,600	1,453,536	786,816	1,896,720	2,267,160	1,476,720	-	588,432	700,920	923,707	-	30,785,755
Feb-23	2023	Feb	28	1,327,296	1,245,713	604,026	1,951,488	950,016	1,826,592	986,328	3,990,006	1,488,420	1,733,544	3,639,040	1,357,632	907,056	1,685,136	2,021,400	1,419,876	-	562,128	686,988	876,495	-	27,763,047
Mar-23	2023	Mar	31	1,456,776	1,368,839	683,388	2,299,200	1,038,120	1,995,744	1,068,792	4,374,979	1,245,870	1,824,660	3,495,680	1,463,520	1,028,976	1,878,048	2,250,840	1,518,264	-	590,040	689,400	962,046	1,343,697	32,576,879
Apr-23	2023	Apr	30	1,362,528	1,229,376	596,934	2,200,512	983,064	1,870,128	999,552	4,076,245	991,566	1,626,768	3,202,080	1,299,552	702,432	1,812,192	1,880,490	1,323,216	-	517,128	603,900	844,729	31,914	28,154,306
May-23	2023	May	31	1,449,096	1,133,186	624,672	2,485,728	1,049,976	2,104,320	1,089,192	4,023,183	943,200	1,594,764	3,437,600	1,319,664	700,752	1,917,552	1,835,238	1,384,848	-	570,288	620,604	824,399	212,910	29,321,172
Jun-23	2023	June	30	1,442,400	1,005,225	640,386	2,713,392	1,136,976	2,436,144	1,246,056	4,236,073	740,682	1,454,148	3,063,200	1,195,632	642,768	2,115,696	2,015,856	1,416,060	-	526,704	589,644	805,595	-	29,340,732
Jul-23	2023	July	31	1,560,264	1,224,556	716,184	3,230,112	1,507,624	3,256,032	1,718,640	4,647,808	841,212	1,746,180	3,472,640	1,465,920	698,400	2,930,160	2,221,056	1,647,108	-	616,944	603,792	854,598	43,539	35,002,769
Aug-23	2023	August	31	1,548,504	1,215,990	690,282	3,508,944	1,379,256	3,023,520	1,595,424	4,688,497	816,624	1,644,372	3,524,160	1,323,648	655,968	2,662,848	1,999,680	1,499,760	-	546,168	566,712	925,651	488,103	34,304,111
Sep-23	2023	September	30	1,385,736	1,318,797	612,594	3,000,000	1,256,976	2,731,872	1,657,656	4,657,957	700,000	1,526,328	3,279,520	1,309,920	630,000	2,425,680	1,905,627	1,360,440	-	520,416	630,216	900,000	-	31,625,574
Oct-23	2023	October	31	1,442,688	1,365,990	611,568	2,600,000	1,125,336	2,318,016	1,236,720	4,579,718	660,000	1,473,660	3,624,960	1,294,272	668,544	2,097,456	1,905,627	1,348,704	-	491,760	593,856	941,000	162,364	30,542,239
Nov-23	2023	November	30	1,389,432	1,357,304	622,890	2,275,152	1,007,184	1,901,664	1,079,832	4,303,225	800,000	1,662,228	3,408,320	1,296,240	734,640	1,708,320	1,905,627	1,355,904	-	535,464	618,552	941,000	274,360	29,177,338
Dec-23	2023	Dec	31	1,443,648	1,304,554	664,848	2,305,824	1,018,608	1,922,832	1,118,136	4,001,264	900,000	1,682,064	3,041,760	1,300,000	733,824	1,694,928	1,905,627	1,411,128	-	582,528	655,020	900,000	41,853	28,544,740

Jan-24	2024	Jan	31	1,459,440	1,408,404	692,550	2,300,000	1,060,440	1,979,136	1,103,544	4,309,444	1,100,000	1,846,476	3,449,120	1,337,328	750,000	1,723,200	2,000,000	1,548,144	-	613,176	715,248	910,000	542,555	30,848,205
Feb-24	2024	Feb	29	1,341,672	1,317,511	640,278	2,146,000	955,224	1,823,472	1,028,424	4,138,779	1,200,000	1,795,100	3,350,000	1,283,760	722,784	1,652,736	2,000,000	1,405,584	-	538,752	647,100	896,100	598,679	29,481,955
Mar-24	2024	Mar	31	1,365,840	1,419,614	672,606	2,300,000	1,020,288	1,919,664	1,090,896	4,297,979	1,200,000	1,795,536	3,314,784	1,352,976	698,496	1,746,096	2,000,000	1,428,084	-	539,496	669,888	992,580	115,265	29,709,558
Apr-24	2024	Apr	30	1,330,488	1,266,969	651,744	2,250,000	992,208	1,856,784	1,075,464	4,013,010	1,000,000	1,600,000	3,187,248	1,250,064	657,744	1,716,912	2,000,000	1,332,468	-	487,104	642,312	895,746	11,293	28,217,558
May-24	2024	May	31	1,361,448	1,170,665	669,672	2,250,000	1,066,920	2,192,448	1,211,928	3,929,670	800,000	1,600,000	3,178,176	1,222,704	616,560	1,941,744	1,800,000	1,361,196	-	526,728	612,108	845,054	87,185	28,269,836
Jun-24	2024	Jun	30	1,336,728	1,021,975	664,038	2,500,000	1,173,048	2,533,680	1,392,888	4,000,000	850,000	1,600,000	3,250,992	1,152,480	608,064	2,246,928	1,800,000	1,388,808	-	512,928	574,956	854,073	539,781	30,001,367
Jul-24	2024	Jul	31	1,452,144	1,193,716	723,276	2,700,000	1,399,944	3,035,856	1,754,808	4,000,000	820,000	1,746,180	3,557,856	1,285,536	687,600	2,790,576	2,251,399	1,634,148	-	567,672	610,704	961,967	-	2,382,968
Aug-24	2024	Aug	31	1,459,176	1,273,909	728,172	3,293,952	1,427,352	2,958,432	1,749,816	4,688,497	779,634	1,674,756	3,600,336	1,381,824	682,992	2,739,648	2,035,008	1,590,444	-	557,256	635,796	918,675	-	707,549
Sep-24	2024	Sep	30	1,369,536	1,300,429	682,220	2,956,944	1,234,416	2,544,960	1,657,656	6,157,957	770,886	1,491,948	3,203,040	1,237,008	636,336	2,253,168	1,871,640	1,361,320	-	498,936	610,776	981,095	-	1,623,325
Oct-24	2024	Oct	31	1,370,160	1,379,821	649,188	2,591,136	1,095,384	2,245,776	1,236,720	4,579,718	805,140	1,535,220	2,987,664	1,298,112	624,672	1,999,632	1,694,280	1,349,818	-	479,280	636,084	987,140	-	66,428
Nov-24	2024	Nov	30	1,311,576	1,367,131	652,896	2,275,152	1,006,368	1,905,648	1,072,536	4,044,511	1,099,296	1,611,900	3,547,968	1,298,064	616,848	1,758,000	1,916,400	1,365,396	-	524,688	598,716	946,781	-	276,052
Dec-24	2024	Dec	31	1,328,256	1,306,616	664,848	2,305,824	1,053,792	1,930,032	1,122,216	4,181,077	1,217,448	1,763,064	3,555,984	1,343,616	705,072	1,735,824	2,039,400	1,492,200	-	559,872	649,512	899,062	-	200,436
Jan-25	2025	Jan	31	1,296,456	1,406,293	710,298	2,323,680	1,031,088	1,964,496	1,128,768	4,518,088	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,724,928	2,135,280	1,620,605	-	575,232	690,840	960,794	-	323,154
Feb-25	2025	Feb	28	1,135,128	1,298,027	651,924	2,176,320	932,304	1,770,048	1,009,488	4,230,893	1,398,762	1,779,876	3,102,624	1,271,376	722,784	1,547,424	1,998,960	1,324,196	-	529,920	621,936	873,686	-	234,995
Mar-25	2025	Mar	31	1,221,336	1,415,319	672,606	2,285,424	980,880	1,921,536	1,114,848	4,297,979	1,081,710	1,792,332	3,438,864	1,382,112	687,840	1,700,592	2,031,360	1,480,262	-	545,520	661,392	954,485	-	345,893
Apr-25	2025	Apr	30	1,245,648	1,316,540	673,218	2,376,960	1,008,960	1,966,032	1,218,912	4,473,001	809,406	1,763,532	3,453,600	1,293,456	666,336	1,730,160	1,831,800	1,449,762	-	550,560	673,020	905,431	-	29,406,334
May-25	2025	May	31	1,126,008	1,060,507	644,562	2,112,000	871,200	1,895,088	962,400	3,841,107	800,000	1,590,120	2,932,800	1,080,000	547,200	1,690,368	1,488,000	1,222,906	-	439,200	554,400	739,263	106,597	25,703,726
Jun-25	2025	Jun	30	1,101,600	929,311	525,600	2,457,600	1,032,000	2,308,800	1,336,800	3,230,135	625,698	1,234,800	2,784,000	1,104,000	528,000	1,809,600	1,428,000	1,233,824	-	458,400	536,400	760,272	174,302	25,250,538
Jul-25	2025	Jul	31	1,345,200	1,196,215	761,400	3,494,400	1,447,200	3,052,800	1,874,400	4,942,117	820,000	1,846,800	4,252,800	1,291,200	715,200	2,568,000	1,908,000	1,685,135	-	602,400	734,400	978,648	-	35,516,315
Aug-25	2025	Aug	31	1,338,000	1,256,875	626,400	2,736,000	1,159,200	2,990,400	1,490,400	4,771,859	779,634	1,738,800	3,691,200	1,324,800	580,800	2,524,800	1,512,000	1,419,444	-	463,200	676,800	946,296	7,684	32,034,592
Sep-25	2025	Sep	30	1,237,128	1,339,373	608,400	2,976,000	1,248,000	2,664,000	1,615,200	4,317,784	541,566	1,458,540	3,278,400	1,199,520	638,400	2,179,200	1,692,000	1,332,094	-	520,800	763,200	977,556	-	29,984,645
Oct-25	2025	Oct	31	1,310,760	1,344,226	720,000	2,726,400	1,272,000	2,467,200	1,452,000	4,400,694	678,888	1,556,784	4,080,000	1,378,080	648,000	2,064,000	1,800,000	1,543,190	-	520,800	745,200	977,556	-	573,966
Nov-25	2025	Nov	30	1,089,960	1,171,660	610,200	2,059,200	976,800	1,711,248	943,200	3,896,806	1,099,296	1,557,792	3,057,600	1,163,040	580,800	1,526,256	1,596,000	1,299,337	-	453,600	590,400	841,051	-	25,588,439
Dec-25	2025	Dec	31	1,238,928	1,337,310	631,800	1,905,600	902,400	2,008,752	940,800	4,614,674	854,820	2,000,160	3,148,800	1,368,336	633,600	1,685,040	1,788,000	1,292,058	-	463,200	604,800	893,825	661,320	28,974,223
Jan-26	2026	Jan	31	1,296,456	1,434,419	710,298	2,439,864	1,031,088	1,964,496	1,185,206	4,608,450	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,724,928	2,242,044	1,620,605	0	575,232	690,840	960,794	-	129,888
Feb-26	2026	Feb	28	1,135,128	1,323,988	651,924	2,285,136	932,304	1,770,048	1,059,962	4,315,511	1,398,762	1,779,876	3,102,624	1,271,376	722,784	1,547,424	2,098,908	1,324,196	0	529,920	621,936	873,686	-	129,888
Mar-26	2026	Mar	31	1,221,336	1,443,625	672,606	2,399,695	980,880	1,921,536	1,170,590	4,383,939	1,081,710	1,792,332	3,438,864	1,382,112	687,840	1,700,592	2,132,928	1,480,262	0	545,520	661,392	954,485	-	129,888
Apr-26	2026	Apr	30	1,245,648	1,342,871	673,218	2,495,808	1,008,960	1,966,032	1,279,858	4,562,461	809,406	1,763,532	3,453,600	1,293,456	666,336	1,730,160	1,923,390	1,449,762	0	550,560	673,020	905,431	-	129,888
May-26	2026	May	31	1,126,008	1,081,717	644,562	2,217,600	871,200	1,895,088	1,010,520	3,917,929	800,000	1,590,120	2,932,800	1,080,000	547,200	1,690,368	1,562,400	1,222,906	0	439,200	554,400	739,263	-	129,888
Jun-26	2026	Jun	30	1,101,600	947,897	525,600	2,580,480	1,032,000	2,308,800	1,403,640	3,294,738	625,698	1,234,800	2,784,000	1,104,000	528,000	1,809,600	1,499,400	1,233,824	0	458,400	536,400	760,272	-	129,888
Jul-26	2026	Jul	31	1,345,200	1,220,139	761,400	3,669,120	1,447,200	3,052,800	1,968,120	5,040,959	820,000	1,846,800	4,252,800	1,291,200	715,200	2,568,000	2,003,400	1,685,135	0	602,400	734,400	978,648	-	129,888
Aug-26	2026	Aug	31	1,338,000	1,282,013	626,400	2,872,800	1,159,200	2,990,400	1,564,920	4,867,296	779,634	1,738,800	3,691,200	1,324,800	580,800	2,524,800	1,587,600	1,419,444	0	463,200	676,800	946,296	-	129,888
Sep-26	2026	Sep	30	1,237,128	1,366,160	608,400	3,124,800	1,248,000	2,664,000	1,695,960	4,404,140	541,566	1,458,540	3,278,400	1,199,520	638,400	2,179,200	1,776,600	1,332,094	0	520,800	763,200	977,556	-	129,888
Oct-26	2026	Oct	31	1,310,760	1,371,111	720,000	2,862,720	1,272,000	2,467,200	1,524,600	4,488,708	678,888	1,556,784	4,080,000	1,378,080	648,000	2,064,000	1,890,000	1,543,190	0	520,800	745,200	977,556	-	129,888
Nov-26	2026	Nov	30	1,089,960	1,195,093	610,200	2,162,160	976,800	1,711,248	990,360	3,974,742	1,099,296	1,557,792	3,057,600	1,163,040	580,800	1,526,256	1,675,800	1,299,337	0	453,600	590,400	841,051	-	129,888
Dec-26	2026	Dec	31	1,238,928	1,364,056	631,800	2,000,880	902,400	2,008,752	987,840	4,706,967	854,820	2,000,160	3,148,800	1,368,336	633,600	1,685,040	1,877,							

Jan-27	2027	Jan	31	1,296,456	1,506,140	710,298	2,561,857	1,031,088	1,964,496	1,244,467	4,700,619	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,759,427	2,466,248	1,620,605	0	575,232	690,840	960,794	-	2,177,176	30,012,328
Feb-27	2027	Feb	28	1,135,128	1,390,187	651,924	2,399,393	932,304	1,770,048	1,112,961	4,401,821	1,398,762	1,779,876	3,102,624	1,271,376	722,784	1,578,372	2,308,799	1,324,196	0	529,920	621,936	873,686	-	2,177,176	27,128,920
Mar-27	2027	Mar	31	1,221,336	1,515,807	672,606	2,519,680	980,880	1,921,536	1,229,120	4,471,617	1,081,710	1,792,332	3,438,864	1,382,112	687,840	1,734,604	2,346,221	1,480,262	0	545,520	661,392	954,485	-	2,177,176	28,460,747
Apr-27	2027	Apr	30	1,245,648	1,410,014	673,218	2,620,598	1,008,960	1,966,032	1,343,850	4,653,710	809,406	1,763,532	3,453,600	1,293,456	666,336	1,764,763	2,115,729	1,449,762	0	550,560	673,020	905,431	-	2,177,176	28,190,450
May-27	2027	May	31	1,126,008	1,135,803	644,562	2,328,480	871,200	1,895,088	1,061,046	3,996,288	800,000	1,590,120	2,932,800	3,270,000	547,200	1,724,175	1,718,640	1,222,906	0	439,200	554,400	739,263	-	2,177,176	26,420,003
Jun-27	2027	Jun	30	1,101,600	995,292	525,600	2,709,504	1,032,000	2,308,800	1,473,822	3,360,632	625,698	1,234,800	2,784,000	3,294,000	528,000	1,845,792	1,649,340	1,233,824	0	458,400	536,400	760,272	-	2,177,176	26,280,600
Jul-27	2027	Jul	31	1,345,200	1,281,146	761,400	3,852,576	1,447,200	3,052,800	2,066,526	5,141,779	820,000	1,846,800	4,252,800	3,481,200	715,200	2,619,360	2,203,740	1,685,135	0	602,400	734,400	978,648	-	2,177,176	36,711,133
Aug-27	2027	Aug	31	1,338,000	1,346,113	626,400	3,016,440	1,159,200	2,990,400	1,643,166	4,964,642	779,634	1,738,800	3,691,200	3,514,800	580,800	2,575,296	1,746,360	1,419,444	0	463,200	676,800	946,296	-	2,177,176	33,039,815
Sep-27	2027	Sep	30	1,237,128	1,434,468	608,400	3,281,040	1,248,000	2,664,000	1,780,758	4,492,222	541,566	1,458,540	3,278,400	3,389,520	638,400	2,222,784	1,954,260	1,332,094	0	520,800	763,200	977,556	-	2,177,176	31,645,961
Oct-27	2027	Oct	31	1,310,760	1,439,666	720,000	3,005,856	1,272,000	2,467,200	1,600,830	4,578,482	678,888	1,556,784	4,080,000	3,568,080	648,000	2,105,280	2,079,000	1,543,190	0	520,800	745,200	977,556	-	2,177,176	32,720,396
Nov-27	2027	Nov	30	1,089,960	1,254,848	610,200	2,270,268	976,800	1,711,248	1,039,878	4,054,237	1,099,296	1,557,792	3,057,600	3,353,040	580,800	1,556,781	1,843,380	1,299,337	0	453,600	590,400	841,051	-	2,177,176	27,063,340
Dec-27	2027	Dec	31	1,238,928	1,432,259	631,800	2,100,924	902,400	2,008,752	1,037,232	4,801,107	854,820	2,000,160	3,148,800	3,558,336	633,600	1,718,741	2,065,140	1,292,058	0	463,200	604,800	893,825	-	2,177,176	29,209,705
Jan-28	2028	Jan	31	1,296,456	1,506,140	710,298	2,561,857	1,031,088	1,964,496	1,244,467	4,700,619	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,759,427	2,466,248	1,620,605	0	575,232	690,840	960,794	-	2,603,095	31,776,409
Feb-28	2028	Feb	29	1,135,128	1,390,187	651,924	2,399,393	932,304	1,770,048	1,112,961	4,401,821	1,398,762	1,779,876	3,102,624	1,271,376	722,784	1,578,372	2,308,799	1,324,196	0	529,920	621,936	873,686	-	2,603,095	28,893,002
Mar-28	2028	Mar	31	1,221,336	1,515,807	672,606	2,519,680	980,880	1,921,536	1,229,120	4,471,617	1,081,710	1,792,332	3,438,864	1,382,112	687,840	1,734,604	2,346,221	1,480,262	0	545,520	661,392	954,485	-	2,603,095	30,224,828
Apr-28	2028	Apr	30	1,245,648	1,410,014	673,218	2,620,598	1,008,960	1,966,032	1,343,850	4,653,710	809,406	1,763,532	3,453,600	1,293,456	666,336	1,764,763	2,115,729	1,449,762	0	550,560	673,020	905,431	-	2,603,095	29,954,532
May-28	2028	May	31	1,126,008	1,135,803	644,562	2,328,480	871,200	1,895,088	1,061,046	3,996,288	800,000	1,590,120	2,932,800	3,270,000	547,200	1,724,175	1,718,640	1,222,906	0	439,200	554,400	739,263	-	2,603,095	25,994,084
Jun-28	2028	Jun	30	1,101,600	995,292	525,600	2,709,504	1,032,000	2,308,800	1,473,822	3,360,632	625,698	1,234,800	2,784,000	3,294,000	528,000	1,845,792	1,649,340	1,233,824	0	458,400	536,400	760,272	-	2,603,095	25,854,682
Jul-28	2028	Jul	31	1,345,200	1,281,146	761,400	3,852,576	1,447,200	3,052,800	2,066,526	5,141,779	820,000	1,846,800	4,252,800	3,481,200	715,200	2,619,360	2,203,740	1,685,135	0	602,400	734,400	978,648	-	2,603,095	36,285,215
Aug-28	2028	Aug	31	1,338,000	1,346,113	626,400	3,016,440	1,159,200	2,990,400	1,643,166	4,964,642	779,634	1,738,800	3,691,200	3,514,800	580,800	2,575,296	1,746,360	1,419,444	0	463,200	676,800	946,296	-	2,603,095	32,613,896
Sep-28	2028	Sep	30	1,237,128	1,434,468	608,400	3,281,040	1,248,000	2,664,000	1,780,758	4,492,222	541,566	1,458,540	3,278,400	3,389,520	638,400	2,222,784	1,954,260	1,332,094	0	520,800	763,200	977,556	-	2,603,095	31,220,042
Oct-28	2028	Oct	31	1,310,760	1,439,666	720,000	3,005,856	1,272,000	2,467,200	1,600,830	4,578,482	678,888	1,556,784	4,080,000	3,568,080	648,000	2,105,280	2,079,000	1,543,190	0	520,800	745,200	977,556	-	2,603,095	32,294,477
Nov-28	2028	Nov	30	1,089,960	1,254,848	610,200	2,270,268	976,800	1,711,248	1,039,878	4,054,237	1,099,296	1,557,792	3,057,600	3,353,040	580,800	1,556,781	1,843,380	1,299,337	0	453,600	590,400	841,051	-	2,603,095	26,637,421
Dec-28	2028	Dec	31	1,238,928	1,432,259	631,800	2,100,924	902,400	2,008,752	1,037,232	4,801,107	854,820	2,000,160	3,148,800	3,558,336	633,600	1,718,741	2,065,140	1,292,058	0	463,200	604,800	893,825	-	2,603,095	28,783,787
Jan-29	2029	Jan	31	1,296,456	1,506,140	710,298	2,561,857	1,031,088	1,964,496	1,244,467	4,700,619	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,759,427	2,466,248	1,620,605	0	575,232	690,840	960,794	-	2,603,095	31,776,409
Feb-29	2029	Feb	28	1,135,128	1,390,187	651,924	2,399,393	932,304	1,770,048	1,112,961	4,401,821	1,398,762	1,779,876	3,102,624	1,271,376	722,784	1,578,372	2,308,799	1,324,196	0	529,920	621,936	873,686	-	2,603,095	28,893,002
Mar-29	2029	Mar	31	1,221,336	1,515,807	672,606	2,519,680	980,880	1,921,536	1,229,120	4,471,617	1,081,710	1,792,332	3,438,864	1,382,112	687,840	1,734,604	2,346,221	1,480,262	0	545,520	661,392	954,485	-	2,603,095	30,224,828
Apr-29	2029	Apr	30	1,245,648	1,410,014	673,218	2,620,598	1,008,960	1,966,032	1,343,850	4,653,710	809,406	1,763,532	3,453,600	1,293,456	666,336	1,764,763	2,115,729	1,449,762	0	550,560	673,020	905,431	-	2,603,095	29,954,532
May-29	2029	May	31	1,126,008	1,135,803	644,562	2,328,480	871,200	1,895,088	1,061,046	3,996,288	800,000	1,590,120	2,932,800	3,270,000	547,200	1,724,175	1,718,640	1,222,906	0	439,200	554,400	739,263	-	2,603,095	25,994,084
Jun-29	2029	Jun	30	1,101,600	995,292	525,600	2,709,504	1,032,000	2,308,800	1,473,822	3,360,632	625,698	1,234,800	2,784,000	3,294,000	528,000	1,845,792	1,649,340	1,233,824	0	458,400	536,400	760,272	-	2,603,095	25,854,682
Jul-29	2029	Jul	31	1,345,200	1,281,146	761,400	3,852,576	1,447,200	3,052,800	2,066,526	5,141,779	820,000	1,846,800	4,252,800	3,481,200	715,200	2,619,360	2,203,740	1,685,135	0	602,400	734,400	978,648	-	2,603,095	36,285,215
Aug-29	2029	Aug	31	1,338,000	1,346,113	626,400	3,016,440	1,159,200	2,990,400	1,643,166	4,964,642	779,634	1,738,800	3,691,200	3,514,800	580,800	2,575,296	1,746,360	1,419,444	0	463,200	676,800	946,296	-	2,603,095	32,613,896
Sep-29	2029	Sep	30	1,237,128	1,434,468	608,400	3,281,040	1,248,000	2,664,000	1,780,758	4,492,222	541,566	1,458,540	3,278,400	3,389,520	638,400	2,222,784	1,954,260	1,332,094	0	520,800	763,200	977,556	-	2,603,095	31,220,042
Oct-29	2029	Oct	31	1,310,760	1,439,666	720,000	3,005,856	1,272,000	2,467,200	1,600,830	4,578,482	678,888	1,556,784	4,080,000	3,568,080	648,000	2,105,280	2,079,000	1,543,190	0	520,800	745,200	977,556	-	2,603,095	32,294,477
Nov-29	2029	Nov	30	1,089,960	1,254,848	610,200	2,270,268	976,800	1,711,248	1,039,878	4,054,237	1,099,296	1,557,792	3,057,600	3,353,040	580,800	1,556,781	1,843,380	1,299,337	0	453,600	590,400	841,051	-	2,603,095	26,637,421
Dec-29	2029	Dec	31	1,238,928	1,432,259	631,800	2,100,924	902,400	2,008,752	1,037,232	4,801,107	854,820	2,000,160	3,148,800	3,558,336	633,600	1,718,741	2,065,140	1,292,058	0	463,200	604,800	893,825	-	2,603,095	28,783,787
Jan-30	2030	Jan	31	1,296,456	1,506,140	710,298	2,561,857	1,031,088	1,964,496	1,244,467	4,700,619	1,400,130	1,920,888	3,637,536	1,390,320	752,064	1,759,427	2,466,248	1,620,605	0	575,232	690,840	960,794	-	2,603,095	31,776,409
Feb-30	2030	Feb	28	1,135,128	1,390,187	651,924	2,399,393	932,30																		

Jan-18	2018	117,925	-	2,205,360	1,864,656	-	-	748,496	344,579	68,634	1,305,983	-	1,379,664	215,642	-	-	-	8,250,939
Feb-18	2018	112,033	-	1,769,232	1,524,888	-	-	653,832	311,852	68,306	1,175,529	-	1,329,600	200,252	-	-	0	7,145,524
Mar-18	2018	124,155	-	2,580,576	1,736,928	-	-	687,311	346,735	67,537	1,301,262	-	1,483,008	222,375	-	-	-	8,549,887
Apr-18	2018	130,015	-	2,586,560	1,495,008	-	-	601,801	335,193	66,431	1,256,299	-	1,468,128	211,667	-	-	-	8,151,102
May-18	2018	129,700	-	1,733,664	1,317,024	-	187,200	513,125	342,864	63,921	1,293,831	1,113,786	1,612,848	219,382	-	-	500,048	8,027,297
Jun-18	2018	117,436	-	1,855,536	1,431,864	-	717,600	450,755	335,932	63,044	1,244,706	1,077,411	1,546,128	199,516	-	-	-	9,039,928
Jul-18	2018	124,806	-	2,017,718	1,625,748	-	655,248	429,731	348,138	60,662	1,293,739	1,114,028	1,698,816	202,169	-	-	-	9,570,803
Aug-18	2018	120,168	-	2,436,384	1,825,600	-	762,816	450,107	345,621	61,684	1,282,335	1,115,213	1,669,152	207,813	-	-	313,114	10,590,008
Sep-18	2018	101,069	-	1,616,736	1,550,500	-	686,736	429,164	335,486	56,292	1,251,556	1,064,379	1,661,392	207,813	-	-	-	819,648
Oct-18	2018	135,316	-	1,713,168	1,947,260	-	875,472	526,630	366,027	73,261	1,461,476	1,100,195	1,550,640	165,953	-	-	146,028	10,061,426
Nov-18	2018	134,720	-	1,202,448	2,194,780	-	374,400	628,677	353,057	71,667	1,401,177	1,060,550	1,484,400	191,694	-	-	361,032	9,458,602
Dec-18	2018	86,948	-	2,526,816	2,178,260	-	168,430	707,544	363,981	68,634	1,463,590	1,113,327	1,462,608	175,127	-	-	561,052	10,876,316
Jan-19	2019	113,872	-	2,205,360	1,404,760	-	151,991	726,682	367,593	85,278	1,461,992	1,108,350	1,511,952	220,697	-	-	969,053	10,327,580
Feb-19	2019	131,849	-	1,769,232	1,864,940	-	-	670,894	330,469	72,588	1,320,419	1,003,834	1,444,982	200,459	-	-	456,142	8,353,534
Mar-19	2019	178,010	-	2,748,144	2,078,720	-	-	671,482	343,904	73,385	1,299,756	1,088,132	1,617,264	222,749	-	-	965,641	11,287,186
Apr-19	2019	141,216	-	2,086,512	2,230,340	-	-	564,079	353,978	65,212	1,414,422	1,058,251	1,531,248	214,523	-	-	462,304	10,122,085
May-19	2019	110,604	-	1,858,368	2,698,920	-	-	502,482	365,063	61,085	1,461,865	1,114,203	1,649,280	222,930	-	-	77,955	9,966,844
Jun-19	2019	92,496	-	1,855,536	2,480,100	-	-	419,492	353,034	57,325	1,414,744	1,067,307	1,661,808	215,135	-	-	243,663	9,860,641
Jul-19	2019	102,639	-	2,330,832	1,871,800	-	-	383,132	365,089	59,934	1,462,132	1,110,944	1,737,648	223,734	-	-	114,161	9,762,045
Aug-19	2019	72,650	-	1,616,736	2,108,260	-	-	399,249	364,627	61,537	1,461,739	1,093,211	1,801,968	220,643	-	-	410,107	8,790,513
Sep-19	2019	56,763	-	1,389,984	2,668,260	-	-	394,253	355,879	50,724	1,411,394	947,675	1,678,656	186,045	-	-	1,059,548	8,080,085
Oct-19	2019	97,616	-	2,035,008	2,906,960	-	-	476,644	363,862	60,207	1,461,476	1,110,728	1,722,480	194,283	-	-	330,154	10,759,417
Nov-19	2019	134,720	-	1,981,632	3,015,600	-	-	509,339	354,929	63,933	1,416,798	1,060,962	1,614,528	253,244	-	-	184,784	10,590,468
Dec-19	2019	38,229	-	2,230,176	2,981,580	-	-	601,239	365,223	44,316	1,461,851	1,098,762	1,563,936	177,250	-	-	286,757	10,849,319
Jan-20	2020	99,912	-	2,623,440	3,519,600	-	-	631,234	367,172	53,112	1,462,274	1,115,953	1,601,136	217,389	-	-	267,131	11,958,354
Feb-20	2020	136,017	-	2,293,392	2,301,180	-	-	565,712	340,498	67,199	1,367,864	1,035,942	1,497,312	209,441	-	-	317,229	10,131,787
Mar-20	2020	172,638	-	2,226,336	2,482,900	-	-	584,890	366,277	72,550	1,459,729	1,106,789	1,572,144	222,512	-	-	371,745	10,638,511
Apr-20	2020	104,185	-	1,701,648	1,682,940	-	-	511,928	351,459	49,728	1,414,777	1,080,084	1,487,472	187,568	-	-	357,797	8,929,566
May-20	2020	123,834	-	1,692,720	1,507,380	-	-	453,166	367,988	38,661	1,462,174	1,115,205	1,511,616	189,896	-	-	330,845	8,793,485
Jun-20	2020	113,595	-	1,697,424	1,281,840	-	-	370,328	353,701	44,665	1,414,826	1,079,265	1,446,672	207,703	-	-	393,235	8,403,254
Jul-20	2020	105,848	-	1,377,264	1,230,880	-	-	342,443	365,524	47,693	1,462,364	1,108,166	1,519,152	223,125	-	-	389,630	8,172,089
Aug-20	2020	72,650	-	1,422,432	1,201,900	-	-	331,773	365,406	45,546	1,461,744	1,113,482	1,603,344	223,187	-	-	-	7,841,464
Sep-20	2020	93,312	-	1,372,272	1,165,500	-	-	357,952	353,830	44,742	1,414,410	1,061,990	1,494,240	214,219	-	-	783,257	8,355,724
Oct-20	2020	132,635	-	1,135,632	1,272,600	-	-	422,791	365,404	49,720	1,461,959	1,100,948	1,419,024	214,727	-	-	0	7,575,440
Nov-20	2020	82,772	-	1,749,984	1,238,723	-	-	527,720	354,298	54,474	1,417,492	1,070,249	1,314,048	212,207	-	-	321,331	7,700,636
Dec-20	2020	90,177	-	1,971,792	1,394,540	-	-	597,168	365,464	56,058	1,461,948	1,088,734	1,204,080	192,049	-	-	661,547	9,083,556

Jan-21	2021	99,912	-	1,942,032	1,409,520	-	-	631,234	365,451	53,112	1,461,289	1,115,953	1,249,776	211,962	-	-	719,477	9,259,718
Feb-21	2021	180,772	-	1,845,456	1,286,320	-	-	564,212	330,184	57,358	1,320,952	1,008,359	1,167,552	201,619	-	-	981,676	8,944,459
Mar-21	2021	217,362	-	1,959,072	1,421,980	-	-	604,224	364,863	52,248	1,459,186	1,114,101	1,332,096	222,512	-	-	498,089	9,245,733
Apr-21	2021	226,357	-	1,818,912	1,353,100	-	-	498,577	353,733	53,074	1,415,333	1,065,422	1,281,216	187,568	-	-	964,558	9,217,850
May-21	2021	228,720	-	1,360,560	1,344,560	-	-	422,342	365,574	49,119	1,461,744	1,115,296	1,338,912	593,891	-	-	1,323,728	9,604,446
Jun-21	2021	199,326	-	1,157,808	1,230,740	-	-	341,562	353,551	45,578	1,414,678	1,064,978	1,406,016	215,997	-	-	466,993	7,897,228
Jul-21	2021	192,289	-	1,707,072	1,121,540	-	-	327,691	365,673	46,054	1,462,034	1,100,722	1,456,416	223,247	-	-	479,653	8,482,392
Aug-21	2021	177,346	-	1,898,160	1,230,040	-	-	328,376	365,352	39,555	1,462,917	1,110,749	1,495,680	223,080	-	-	857,224	9,188,479
Sep-21	2021	173,639	-	1,107,600	1,205,120	-	-	312,182	353,749	43,362	1,414,510	1,080,229	1,410,864	216,025	-	-	363,727	7,681,007
Oct-21	2021	132,635	-	2,082,672	1,268,400	-	-	364,348	365,425	45,610	1,462,018	1,101,920	1,337,472	214,727	-	-	400,231	8,775,458
Nov-21	2021	155,520	-	1,836,864	1,270,780	-	-	444,567	354,273	54,474	1,416,763	1,066,582	1,292,688	212,207	-	-	1,588,451	9,693,169
Dec-21	2021	180,772	-	2,138,832	1,387,400	-	-	597,168	365,462	55,117	1,461,357	1,098,261	1,279,440	192,049	-	-	2,034,904	10,790,762
Jan-22	2022	175,688	-	2,329,440	1,403,920	-	-	615,647	346,110	54,945	1,462,569	1,087,940	1,312,848	211,962	-	-	1,043,639	10,044,708
Feb-22	2022	180,772	-	2,153,952	1,220,380	-	-	546,136	330,083	54,502	1,320,264	961,648	1,179,648	201,619	-	-	1,882,034	10,031,037
Mar-22	2022	217,362	-	2,041,872	1,332,940	-	-	552,233	364,968	62,244	1,460,277	1,111,295	1,334,304	222,512	-	-	3,791,661	12,491,668
Apr-22	2022	226,357	-	1,530,288	1,260,560	-	-	448,070	353,660	53,705	1,351,060	1,052,606	1,264,128	320,842	-	-	1,856,462	9,717,739
May-22	2022	228,720	-	1,631,424	1,162,420	-	-	381,618	365,609	52,435	1,461,891	1,106,642	1,429,296	222,756	-	-	804,880	8,847,690
Jun-22	2022	199,326	-	1,387,344	1,079,960	-	-	307,133	318,378	51,607	1,415,077	1,079,135	1,428,768	215,991	-	-	673,463	8,156,182
Jul-22	2022	192,289	-	1,515,456	1,258,880	-	-	289,660	365,673	47,192	1,461,105	1,086,704	1,534,992	223,228	-	-	551,968	8,527,147
Aug-22	2022	177,346	-	1,375,776	1,370,600	-	-	284,982	365,352	51,468	1,462,725	1,115,155	1,570,656	223,144	-	-	3,913,464	11,910,668
Sep-22	2022	173,639	-	1,461,264	1,611,820	-	-	292,058	353,749	49,743	1,414,284	1,080,229	1,372,176	196,763	-	-	3,431,255	11,436,980
Oct-22	2022	132,635	-	1,006,128	2,187,640	-	-	327,162	365,425	51,123	1,461,959	1,101,920	1,435,920	220,332	-	-	2,917,855	11,208,098
Nov-22	2022	172,800	-	1,894,800	2,539,880	-	-	446,193	360,000	42,768	1,283,272	1,078,847	1,369,824	182,827	-	-	299,320	9,670,531
Dec-22	2022	172,800	-	2,458,896	2,439,920	-	-	510,055	360,000	54,596	1,354,549	1,089,400	1,253,040	181,859	-	-	354,906	10,230,021
Jan-23	2023	172,800	-	1,892,016	2,916,060	-	-	543,485	350,537	63,271	1,330,572	1,101,311	1,294,848	210,645	-	-	363,250	9,512,294
Feb-23	2023	161,280	-	1,153,296	2,626,540	-	-	501,860	314,527	55,596	1,204,378	993,765	1,211,904	198,237	-	-	517,427	8,938,811
Mar-23	2023	172,800	-	2,006,064	2,921,940	-	-	507,929	346,247	71,947	1,325,670	1,113,294	1,332,720	222,915	-	-	448,747	10,470,273
Apr-23	2023	172,800	-	1,305,072	2,605,960	-	-	386,639	336,659	52,794	1,301,217	1,080,381	1,330,416	215,971	-	-	631,560	9,419,469
May-23	2023	172,800	-	1,025,280	2,334,080	-	-	353,802	346,479	92,810	1,343,375	1,106,154	1,394,016	223,200	-	-	429,385	8,821,382
Jun-23	2023	172,800	-	1,602,336	2,401,000	-	-	302,420	337,510	49,148	1,275,629	1,065,023	1,386,864	215,522	-	-	1,245,486	10,053,738
Jul-23	2023	172,800	-	1,380,528	1,732,220	-	-	255,626	360,000	43,934	1,303,038	1,072,466	1,483,728	223,216	-	-	267,375	8,294,931
Aug-23	2023	172,800	-	1,799,808	1,554,980	-	-	250,699	313,849	46,640	1,379,820	1,116,185	1,514,112	215,918	-	-	413,858	8,778,669
Sep-23	2023	172,800	-	1,257,504	1,621,480	-	-	264,446	369,776	46,535	1,315,239	976,603	1,435,536	220,491	-	-	548,588	8,228,998
Oct-23	2023	132,635	-	1,814,448	1,644,160	-	-	302,550	348,643	42,478	1,385,002	763,488	1,394,784	220,332	-	-	441,801	8,490,320
Nov-23	2023	132,635	-	1,369,584	1,593,200	-	-	386,326	335,649	56,605	1,344,367	720,648	1,290,240	209,816	-	-	596,783	8,035,852
Dec-23	2023	132,635	-	2,393,568	1,105,860	-	-	460,383	347,824	60,053	1,406,717	-	1,268,592	206,288	-	-	492,915	7,874,835

Jan-24	2024	132,635	-	2,190,288	1,384,320	-	-	498,384	346,148	66,050	1,394,376	-	1,335,648	218,802	-	576,000	-	241,334	7,901,317
Feb-24	2024	139,343	-	2,120,016	1,190,840	-	-	451,271	323,703	80,902	1,309,444	-	1,260,768	207,370	-	576,000	-	240,875	7,900,532
Mar-24	2024	158,403	-	2,475,168	1,365,280	-	-	450,318	346,071	93,206	1,396,262	-	1,347,264	222,874	-	576,000	-	65,603	8,365,243
Apr-24	2024	135,958	-	2,298,672	1,306,200	-	-	371,150	346,000	98,674	1,346,527	-	1,316,544	215,232	-	576,000	-	12,051	7,998,906
May-24	2024	141,654	-	1,641,600	1,315,160	-	-	319,879	346,000	84,498	1,386,970	-	1,452,144	223,187	-	576,000	-	69,679	7,417,413
Jun-24	2024	127,813	-	858,240	1,232,140	-	-	254,352	334,956	57,639	1,337,887	-	1,496,208	215,261	-	576,000	-	251,411	6,741,907
Jul-24	2024	129,415	-	1,224,480	1,243,060	-	-	250,594	335,000	51,419	1,384,276	-	1,605,408	223,140	-	576,000	-	20,103	7,002,690
Aug-24	2024	138,245	-	1,566,864	1,188,880	-	-	245,162	335,000	58,665	1,538,312	-	1,666,672	223,194	-	576,000	-	7,841	7,444,836
Sep-24	2024	139,015	-	1,561,008	1,144,780	-	-	250,602	335,000	72,699	1,486,225	-	1,419,840	215,910	-	576,000	-	29,865	7,230,943
Oct-24	2024	149,647	-	1,897,920	1,214,080	-	-	299,107	335,000	91,790	1,530,394	-	1,379,568	223,292	-	576,000	-	27,269	7,724,067
Nov-24	2024	137,055	-	1,426,560	1,235,220	-	-	384,560	335,000	100,080	1,350,694	-	1,318,464	216,266	-	576,000	-	12,086	7,091,985
Dec-24	2024	145,262	-	1,955,520	1,271,900	-	-	464,315	347,824	121,728	1,402,561	-	1,298,304	195,479	-	576,000	-	44,512	7,823,406
Jan-25	2025	145,798	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	-	1,324,752	200,385	-	576,000	-	93,708	8,442,527
Feb-25	2025	139,038	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	-	1,198,032	201,326	-	533,866	-	28,360	7,863,098
Mar-25	2025	154,354	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	-	1,362,624	222,828	-	533,866	-	15,532	7,949,593
Apr-25	2025	178,689	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	-	1,383,264	228,402	-	604,859	-	-	7,862,303
May-25	2025	127,170	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	-	1,291,200	203,392	-	576,000	-	45	6,707,313
Jun-25	2025	121,256	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	-	1,310,400	187,300	-	576,000	-	-	6,046,139
Jul-25	2025	145,447	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	-	1,627,200	232,848	-	576,000	-	-	7,441,694
Aug-25	2025	136,208	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	-	1,387,200	204,624	-	576,000	-	-	6,677,822
Sep-25	2025	118,648	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	-	1,382,400	197,568	-	576,000	-	1,579,172	7,930,484
Oct-25	2025	165,888	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	-	1,536,000	239,904	-	576,000	-	272,467	7,007,056
Nov-25	2025	126,755	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	-	1,252,800	204,624	-	576,000	-	752,634	7,173,796
Dec-25	2025	109,696	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	-	1,161,600	190,512	-	576,000	-	306,497	7,402,687
Jan-26	2026	107,136	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	-	1,351,247	223,200	-	576,000	-	0	8,359,467
Feb-26	2026	96,768	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	-	1,221,993	201,600	-	533,866	-	0	7,873,423
Mar-26	2026	107,136	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	-	1,389,876	223,200	-	533,866	-	0	7,945,531
Apr-26	2026	103,680	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	-	1,410,929	216,000	-	604,859	-	0	7,802,557
May-26	2026	107,136	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	-	1,317,024	223,200	-	576,000	-	0	6,732,956
Jun-26	2026	103,680	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	-	1,336,608	216,000	-	576,000	-	0	6,083,471
Jul-26	2026	107,136	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	-	1,659,744	223,200	-	576,000	-	0	7,426,279
Aug-26	2026	107,136	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	-	1,414,944	223,200	-	576,000	-	0	6,695,070
Sep-26	2026	103,680	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	-	1,410,048	216,000	-	576,000	-	0	6,382,424
Oct-26	2026	107,136	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	-	1,566,720	223,200	-	576,000	-	0	7,234,787
Nov-26	2026	103,680	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	-	1,277,866	216,000	-	576,000	-	0	6,434,519
Dec-26	2026	107,136	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	-	1,184,832	223,200	-	576,000	-	0	7,149,550

Jan-27	2027	107,136	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	1,087,940	1,378,272	223,200	-	576,000	-	1	9,474,430
Feb-27	2027	96,768	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	961,648	1,246,432	201,600	-	533,866	-	1	8,859,510
Mar-27	2027	107,136	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	1,111,295	1,417,674	223,200	-	533,866	-	1	9,084,622
Apr-27	2027	103,680	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	1,052,606	1,439,148	216,000	-	604,859	-	1	8,883,381
May-27	2027	107,136	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	1,106,642	1,343,364	223,200	-	576,000	-	1	7,865,937
Jun-27	2027	103,680	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	1,079,135	1,363,340	216,000	-	576,000	-	1	7,189,337
Jul-27	2027	107,136	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	1,086,704	1,692,939	223,200	-	576,000	-	1	8,546,176
Aug-27	2027	107,136	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	1,115,155	1,443,243	223,200	-	576,000	-	1	7,838,522
Sep-27	2027	103,680	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	1,080,229	1,438,249	216,000	-	576,000	-	1	7,490,853
Oct-27	2027	107,136	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	1,101,920	1,598,054	223,200	-	576,000	-	1	8,368,040
Nov-27	2027	103,680	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	1,078,847	1,303,413	216,000	-	576,000	-	1	7,538,922
Dec-27	2027	107,136	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	1,089,400	1,208,529	223,200	-	576,000	-	1	8,262,645
Jan-28	2028	107,136	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	1,087,940	1,378,272	223,200	-	576,000	-	2	9,474,431
Feb-28	2028	100,224	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	961,648	1,246,432	208,800	-	533,866	-	2	8,870,167
Mar-28	2028	107,136	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	1,111,295	1,417,674	223,200	-	533,866	-	2	9,084,625
Apr-28	2028	103,680	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	1,052,606	1,439,148	216,000	-	604,859	-	2	8,883,385
May-28	2028	107,136	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	1,106,642	1,343,364	223,200	-	576,000	-	2	7,865,942
Jun-28	2028	103,680	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	1,079,135	1,363,340	216,000	-	576,000	-	2	7,189,343
Jul-28	2028	107,136	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	1,086,704	1,692,939	223,200	-	576,000	-	2	8,546,183
Aug-28	2028	107,136	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	1,115,155	1,443,243	223,200	-	576,000	-	2	7,838,530
Sep-28	2028	103,680	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	1,080,229	1,438,249	216,000	-	576,000	-	2	7,490,861
Oct-28	2028	107,136	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	1,101,920	1,598,054	223,200	-	576,000	-	2	8,368,050
Nov-28	2028	103,680	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	1,078,847	1,303,413	216,000	-	576,000	-	2	7,538,932
Dec-28	2028	107,136	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	1,089,400	1,208,529	223,200	-	576,000	-	2	8,262,657
Jan-29	2029	107,136	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	1,087,940	1,378,272	223,200	-	576,000	-	2	9,474,431
Feb-29	2029	96,768	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	961,648	1,246,432	201,600	-	533,866	-	2	8,859,511
Mar-29	2029	107,136	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	1,111,295	1,417,674	223,200	-	533,866	-	2	9,084,625
Apr-29	2029	103,680	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	1,052,606	1,439,148	216,000	-	604,859	-	2	8,883,385
May-29	2029	107,136	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	1,106,642	1,343,364	223,200	-	576,000	-	2	7,865,942
Jun-29	2029	103,680	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	1,079,135	1,363,340	216,000	-	576,000	-	2	7,189,343
Jul-29	2029	107,136	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	1,086,704	1,692,939	223,200	-	576,000	-	2	8,546,183
Aug-29	2029	107,136	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	1,115,155	1,443,243	223,200	-	576,000	-	2	7,838,530
Sep-29	2029	103,680	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	1,080,229	1,438,249	216,000	-	576,000	-	2	7,490,861
Oct-29	2029	107,136	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	1,101,920	1,598,054	223,200	-	576,000	-	2	8,368,050
Nov-29	2029	103,680	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	1,078,847	1,303,413	216,000	-	576,000	-	2	7,538,932
Dec-29	2029	107,136	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	1,089,400	1,208,529	223,200	-	576,000	-	2	8,262,657
Jan-30	2030	107,136	-	2,437,920	1,282,120	-	-	501,481	355,413	128,971	1,395,979	1,087,940	1,378,272	223,200	-	576,000	-	2	9,474,442
Feb-30	2030	96,768	-	2,377,440	1,188,320	-	-	471,188	320,757	117,492	1,343,999	961,648	1,246,432	201,600	-	533,866	-	2	8,859,521
Mar-30	2030	107,136	-	2,055,024	1,318,240	-	-	448,838	347,824	130,598	1,390,928	1,111,295	1,417,674	223,200	-	533,866	-	2	9,084,634
Apr-30	2030	103,680	-	1,869,552	1,306,200	-	-	447,542	365,823	123,061	1,354,912	1,052,606	1,439,148	216,000	-	604,859	-	2	8,883,393
May-30	2030	107,136	-	1,286,400	994,000	-	-	262,518	371,829	75,894	1,518,955	1,106,642	1,343,364	223,200	-	576,000	-	2	7,865,949
Jun-30	2030	103,680	-	1,243,200	1,036,000	-	-	230,013	263,001	76,399	1,002,570	1,079,135	1,363,340	216,000	-	576,000	-	2	7,189,349
Jul-30	2030	107,136	-	1,459,200	1,274,000	-	-	265,563	342,077	98,556	1,420,803	1,086,704	1,692,939	223,200	-	576,000	-	2	8,546,188
Aug-30	2030	107,136	-	1,300,800	1,022,000	-	-	212,444	340,810	78,265	1,419,471	1,115,155	1,443,243	223,200	-	576,000	-	2	7,838,534
Sep-30	2030	103,680	-	969,600	1,190,000	-	-	248,044	330,740	89,860	1,248,452	1,080,229	1,438,249	216,000	-	576,000	-	2	7,490,864
Oct-30	2030	107,136	-	1,267,200	1,372,000	-	-	336,698	357,120	95,658	1,333,055	1,101,920	1,598,054	223,200	-	576,000	-	2	8,368,052
Nov-30	2030	103,680	-	1,099,200	1,235,220	-	-	354,777	287,735	81,164	1,202,887	1,078,847	1,303,413	216,000	-	576,000	-	2	7,538,933
Dec-30	2030	107,136	-	1,656,000	1,106,000	-	-	390,434	344,014	78,265	1,483,669	1,089,400	1,208,529	223,200	-	576,000	-	2	8,262,657

Jan-18	2018	241,010	-	-	1,476,944	265,464	327,024		415,392	-	-	-	358,236	1,243,345	1,324,371	213,797		2,465,136	104,082	1,144,321	2,607,948	2,472,199	
Feb-18	2018	333,594	-	-	1,201,592	240,768	404,856		366,144	-	-	-	388,872	1,140,329	1,136,438	190,427		2,425,104	165,718	1,099,057	2,404,453	1,474,037	
Mar-18	2018	356,311	-	-	1,495,000	259,038	338,400		397,920	-	-	-	388,008	1,266,755	1,263,770	217,802		2,636,424	111,971	1,104,461	2,055,822	1,324,658	
Apr-18	2018	426,461	-	-	1,482,012	265,860	388,764		385,440	-	-	-	267,372	1,131,802	1,255,399	216,874		2,457,648	180,073	1,093,543	2,409,051	1,813,995	
May-18	2018	490,831	-	-	1,322,776	344,754	410,544		440,160	2,380,734	-	-	244,800	1,089,396	1,290,062	222,198		2,583,936	166,527	1,159,830	2,267,924	2,464,613	
Jun-18	2018	413,291	-	-	870,072	435,852	401,652		477,696	2,229,333	-	-	246,600	977,023	1,330,030	214,652		2,503,008	163,096	1,100,762	2,033,068	2,506,375	
Jul-18	2018	424,667	-	-	1,229,872	473,760	447,552		542,496	2,345,356	-	-	188,892	922,582	1,260,941	237,118		2,083,968	157,294	1,016,684	2,460,691	2,674,564	
Aug-18	2018	417,860	-	-	1,241,436	542,664	512,496		545,472	2,348,635	-	-	224,712	955,443	1,450,406	243,590		2,477,880	137,852	1,165,279	2,311,194	2,697,840	
Sep-18	2018	269,679	-	-	1,247,204	594,180	417,096		522,144	2,251,005	-	-	207,468	916,658	1,277,329	222,808		2,462,616	161,844	1,037,153	1,314,703	2,638,618	
Oct-18	2018	341,861	-	-	1,204,840	528,930	427,968		369,216	2,303,245	-	-	259,164	1,071,022	1,352,785	217,411		2,543,832	198,923	1,129,912	1,583,397	2,688,151	
Nov-18	2018	347,833	-	-	1,427,580	278,388	414,000		352,032	2,092,546	-	530,112	274,428	1,141,319	1,236,771	197,021		2,337,120	160,269	1,099,660	2,058,652	2,274,406	
Dec-18	2018	336,289	-	-	1,415,736	250,488	355,176		383,136	2,535,417	-	713,474	301,464	969,987	1,113,683	218,364		2,290,032	108,558	1,042,825	937,305	2,449,358	
Jan-19	2019	408,331	-	-	1,582,112	282,834	425,952		391,584	2,356,218	-	826,585	309,528	1,349,898	1,306,450	219,560		2,561,824	151,074	1,214,153	2,485,804	2,355,472	
Feb-19	2019	387,842	-	-	1,390,984	268,236	374,616		358,176	2,229,398	-	1,114,416	237,672	1,203,523	1,180,179	168,718		2,401,920	104,964	1,123,521	2,334,656	1,497,184	
Mar-19	2019	453,026	-	-	1,522,080	298,872	417,780		399,360	2,605,972	-	436,656	306,000	1,323,310	1,249,033	26,862		2,549,880	110,479	1,185,000	2,553,832	927,010	
Apr-19	2019	435,952	-	-	1,338,428	323,982	370,296		390,816	2,519,789	-	1,176,048	255,744	1,195,978	1,281,337	24,444		2,421,360	102,812	1,138,247	2,316,028	1,220,703	
May-19	2019	385,496	-	-	1,407,756	314,172	360,396		371,808	2,515,461	-	1,243,776	220,320	1,159,438	1,374,832	20,806		2,524,032	145,519	1,126,242	2,542,396	1,924,703	
Jun-19	2019	378,208	-	-	1,227,996	399,222	330,948		433,248	2,376,885	-	1,317,072	186,732	1,034,511	1,337,929	17,705		2,327,760	153,215	1,023,354	2,309,897	2,589,798	
Jul-19	2019	375,104	-	-	1,224,328	591,444	234,216		532,608	2,550,832	-	1,432,128	165,420	1,034,624	1,244,788	20,098		2,300,688	152,862	923,652	2,088,127	2,661,742	
Aug-19	2019	293,359	-	-	1,187,144	441,792	153,288		535,200	2,314,981	-	1,403,760	215,784	1,024,136	1,552,861	21,978		2,093,328	156,035	1,093,607	1,733,012	2,722,009	
Sep-19	2019	247,136	-	-	1,213,716	389,934	138,708		518,784	1,974,373	-	1,073,136	155,052	928,288	1,277,329	17,094		2,480,832	116,989	1,019,766	1,341,348	2,558,476	
Oct-19	2019	399,439	-	-	1,326,948	410,400	-		520,704	2,724,352	-	1,402,368	223,128	962,064	1,038,935	21,954		2,502,072	105,309	1,106,575	1,901,491	2,622,169	
Nov-19	2019	347,833	-	-	1,349,096	271,404	-		404,256	2,313,894	-	1,173,744	228,708	1,101,516	1,283,459	33,089		2,375,712	98,151	1,076,567	2,087,773	2,586,612	
Dec-19	2019	324,985	-	-	1,463,140	262,818	-		428,640	2,602,686	-	1,156,368	366,084	970,911	1,144,809	31,746		2,275,560	-	1,041,300	1,769,325	1,983,429	
Jan-20	2020	367,043	-	-	1,596,560	279,900	-		345,504	2,715,527	-	1,378,992	278,136	1,338,938	1,399,001	33,626		2,498,472	-	1,046,850	2,595,333	2,568,733	
Feb-20	2020	453,247	-	-	1,399,048	261,738	-		216,576	2,584,506	-	773,376	215,208	1,252,636	1,248,561	25,177		2,424,240	154,525	1,018,842	2,455,739	1,803,041	
Mar-20	2020	544,383	-	-	1,520,092	288,558	-		227,808	2,795,755	-	1,425,456	279,828	1,320,603	1,358,562	27,473		2,574,504	147,026	1,059,169	1,961,502	1,161,698	
Apr-20	2020	461,983	-	-	1,307,040	271,818	-		189,792	2,638,880	-	1,440,240	230,436	1,272,377	1,213,898	24,737		2,354,040	91,908	863,394	672,620	1,141,178	
May-20	2020	454,678	-	-	1,234,632	298,782	-		26,976	2,469,603	-	1,508,976	214,452	1,139,603	1,286,996	22,198		2,445,408	63,987	1,127,632	587,378	940,072	
Jun-20	2020	506,830	-	-	1,176,672	468,252	-		18,528	2,560,551	-	1,479,216	203,688	1,100,677	1,546,848	18,755		2,322,792	126,275	1,058,588	1,301,616	2,198,710	
Jul-20	2020	495,477	-	-	1,266,104	551,106	-		24,384	2,502,058	-	1,263,216	164,880	1,124,455	1,336,397	21,197		2,330,424	156,547	1,131,122	1,777,343	2,464,820	
Aug-20	2020	293,359	-	-	1,215,032	466,578	-		19,392	2,603,158	-	1,401,648	207,108	1,059,685	1,610,160	22,247		2,324,016	139,806	1,114,510	1,803,516	2,558,373	
Sep-20	2020	415,485	-	-	990,388	427,554	-		19,776	2,526,274	-	1,362,000	228,528	1,128,350	1,553,804	20,220		2,265,840	132,462	1,028,465	1,496,741	2,486,339	
Oct-20	2020	511,240	-	-	1,308,132	410,868	-		19,584	2,692,588	-	1,536,192	234,072	1,181,688	1,498,627	22,662		2,314,512	145,772	1,155,789	1,996,401	2,644,753	
Nov-20	2020	321,332	-	-	1,271,928	288,090	-		14,496	2,601,319	-	1,239,264	311,364	1,088,858	1,398,058	24,762		2,232,792	124,722	1,124,380	2,155,448	2,527,900	
Dec-20	2020	351,488	-	-	1,321,432	262,476	-		16,128	2,864,426	-	1,250,784	305,316	1,108,949	1,276,268	26,032		2,157,120	118,191	1,084,706	1,814,953	2,629,492	

Jan-21	2021	367,043	-	-	1,596,560	262,944	-	-	17,184	2,715,527		1,408,560	294,732	1,363,330	1,363,631	25,055	-	2,087,712	-	1,067,600	2,283,251	2,523,769	-
Feb-21	2021	635,674	-	-	1,083,012	207,018	-	-	19,392	2,604,169		1,202,256	262,692	1,317,264	1,227,221	23,712	-	2,173,752	112,874	1,006,696	2,375,096	2,231,720	-
Mar-21	2021	715,451	-	-	1,180,564	268,452	-	-	18,816	3,132,315		1,432,464	279,324	1,501,027	1,476,815	27,790	-	2,328,840	-	1,203,301	2,695,666	1,285,028	-
Apr-21	2021	679,363	-	-	1,065,092	283,464	-	-	17,664	2,892,202		1,124,448	274,140	1,239,233	1,389,687	22,882	-	2,281,104	169,298	1,100,717	2,662,889	1,262,406	-
May-21	2021	705,543	-	-	1,141,140	301,428	-	-	16,416	2,994,464		1,513,824	228,096	1,139,603	1,448,873	19,829	-	2,343,816	144,921	1,124,953	2,483,210	2,270,419	-
Jun-21	2021	666,319	-	-	1,053,836	356,004	-	-	12,288	2,905,030		1,265,712	168,624	1,100,677	1,559,817	15,531	-	2,231,712	150,454	1,065,989	2,169,714	2,231,405	-
Jul-21	2021	671,942	-	-	574,952	395,352	-	-	12,384	2,718,950		1,321,008	164,880	1,069,061	1,457,008	16,313	-	2,051,352	163,118	1,036,818	2,328,761	2,350,280	-
Aug-21	2021	643,592	-	-	539,476	390,978	-	-	12,480	2,987,203		827,136	207,108	1,055,799	1,369,055	16,752	-	2,210,616	119,961	1,078,911	2,292,330	2,116,342	-
Sep-21	2021	621,726	-	-	1,065,008	363,726	-	-	12,288	2,929,163		1,416,336	243,000	1,068,146	1,456,772	16,459	-	2,169,072	133,818	1,079,196	2,506,790	2,146,701	-
Oct-21	2021	511,240	-	-	1,094,828	400,230	-	-	19,584	3,031,744		1,536,192	254,196	1,181,688	1,346,654	16,972	-	2,197,872	109,934	1,159,163	3,083,439	2,347,010	-
Nov-21	2021	505,899	-	-	540,288	288,090	-	-	15,168	2,990,762		1,433,808	307,620	1,088,858	1,305,507	24,762	-	2,154,744	124,722	1,168,688	2,889,375	2,296,912	-
Dec-21	2021	628,883	-	-	1,094,240	346,662	-	-	20,928	2,865,627		1,122,528	306,252	1,108,949	1,155,538	28,498	-	1,939,176	131,951	1,050,682	1,814,953	2,190,932	-
Jan-22	2022	622,896	-	-	1,224,916	262,944	-	-	23,328	2,627,764		1,129,056	262,296	1,363,330	1,363,631	25,299	-	1,897,848	119,043	1,107,738	2,283,251	1,973,591	-
Feb-22	2022	635,674	-	-	1,165,584	317,808	-	-	26,112	1,906,112		1,202,256	262,692	1,317,264	1,227,221	24,982	-	1,984,824	117,722	1,080,826	2,375,096	2,056,544	-
Mar-22	2022	715,451	-	-	1,180,564	318,222	-	-	26,592	2,686,633		1,211,424	279,324	3,295,285	1,333,685	27,619	-	2,138,184	171,612	1,203,798	2,695,666	892,449	-
Apr-22	2022	679,363	-	-	1,091,944	276,012	-	-	23,904	2,940,946		1,124,448	245,304	1,239,233	1,194,681	22,295	-	2,094,408	141,343	1,111,224	2,771,122	1,538,071	-
May-22	2022	705,543	-	-	1,040,956	301,428	-	-	18,720	2,984,470		1,331,568	240,876	1,175,755	1,246,203	21,587	-	2,169,792	147,137	1,152,648	2,817,928	2,394,103	-
Jun-22	2022	666,319	-	-	961,380	369,486	-	-	12,768	2,851,417		1,223,760	189,720	1,153,760	1,401,124	18,168	-	2,064,600	137,009	947,974	2,754,498	2,460,536	-
Jul-22	2022	671,942	-	-	858,760	408,528	-	-	15,072	2,475,352		1,321,008	210,924	1,069,061	1,313,288	19,292	-	2,027,088	116,944	1,036,818	2,328,761	2,702,273	-
Aug-22	2022	643,592	-	-	500,304	416,754	-	-	12,480	2,795,381		827,136	178,596	1,055,799	1,603,204	18,022	-	1,977,192	173,964	1,078,911	2,292,330	2,695,164	-
Sep-22	2022	621,726	-	-	891,800	374,004	-	-	-	2,929,163		1,416,336	185,364	1,068,146	1,441,092	-	-	1,902,960	173,181	1,079,196	2,506,790	2,361,924	-
Oct-22	2022	561,183	-	-	1,013,628	364,770	-	-	-	3,031,744		1,600,944	243,936	1,084,728	1,353,492	-	-	1,975,392	158,937	1,159,163	3,083,439	2,417,594	-
Nov-22	2022	626,314	-	-	975,408	287,676	-	-	-	2,991,385		1,433,808	307,620	1,231,017	1,311,520	-	-	1,994,616	155,340	1,162,961	2,889,375	2,545,979	-
Dec-22	2022	610,964	-	-	1,259,468	333,000	-	-	-	3,076,952		1,122,528	306,252	1,503,225	1,176,120	-	-	1,799,928	113,968	1,081,368	2,328,289	2,175,811	-
Jan-23	2023	610,964	-	-	1,302,308	344,700	-	-	-	3,052,441		1,129,056	262,296	798,938	1,189,375	-	-	1,982,880	167,633	859,365	2,479,555	1,917,040	-
Feb-23	2023	429,081	-	-	1,272,208	319,536	-	-	-	2,632,299		1,103,184	254,340	1,464,625	1,493,528	-	-	1,538,424	128,904	884,870	2,506,865	2,152,646	-
Mar-23	2023	720,823	-	-	1,319,192	375,606	-	-	-	3,027,426		1,223,424	416,664	1,510,440	1,333,685	-	-	1,984,824	132,785	1,073,045	2,733,747	1,135,903	-
Apr-23	2023	632,080	-	-	1,188,488	298,026	-	-	-	3,081,939		1,187,232	225,108	1,285,751	1,194,681	-	-	1,339,200	152,454	979,140	2,587,080	2,136,819	-
May-23	2023	729,383	-	-	1,150,240	313,344	-	-	-	3,013,038		1,460,352	254,520	1,196,673	1,306,480	-	-	2,169,792	146,950	1,078,932	2,420,251	2,731,164	-
Jun-23	2023	478,494	-	-	964,404	369,756	-	-	-	2,717,281		1,407,072	250,920	1,155,043	1,224,562	-	-	1,650,816	153,398	927,215	2,181,857	2,604,833	-
Jul-23	2023	527,200	-	-	1,040,844	364,068	-	-	-	1,349,830		1,392,288	171,252	1,223,353	1,283,710	-	-	1,609,632	138,166	1,152,775	1,274,623	2,730,966	-
Aug-23	2023	527,200	-	-	1,014,944	367,380	-	-	-	2,977,375		1,267,344	183,924	1,202,917	1,296,648	-	-	1,649,808	164,128	934,960	1,248,158	2,611,870	-
Sep-23	2023	327,200	-	-	1,018,136	428,004	-	-	-	1,649,957		1,340,208	181,944	1,284,165	1,338,797	-	-	1,580,040	154,045	1,098,327	1,084,023	2,609,762	-
Oct-23	2023	380,000	-	-	1,162,980	369,612	-	-	-	-		1,440,960	213,408	1,342,734	1,343,687	-	-	1,600,000	110,138	963,053	1,330,403	2,280,629	-
Nov-23	2023	380,000	-	-	1,247,148	284,976	-	-	-	-		1,311,888	305,136	1,665,876	1,297,517	-	-	1,647,216	180,995	1,059,556	1,582,123	2,401,087	-
Dec-23	2023	380,000	-	-	1,197,224	241,452	-	-	-	-		1,162,416	232,848	1,399,522	1,143,933	-	-	1,650,000	176,611	1,008,262	1,255,160	2,647,666	-

Jan-24	2024	346,858	-	-	1,248,436	278,658	-	-	-	-	1,240,272	376,920	1,740,537	1,260,895	-	1,500,000	176,338	1,107,347	2,235,931	2,639,584	-
Feb-24	2024	330,937	-	-	1,194,340	311,976	-	-	-	-	1,166,976	232,128	1,588,152	1,191,685	-	1,400,000	138,422	1,048,405	2,214,450	2,173,330	-
Mar-24	2024	513,094	-	-	790,636	325,512	-	-	-	-	1,202,592	235,008	1,730,532	1,229,648	-	1,400,000	220,798	1,080,154	1,949,794	1,041,483	-
Apr-24	2024	533,351	-	-	677,320	324,756	-	-	-	-	1,225,440	227,268	1,806,832	1,052,242	-	1,500,000	211,670	1,100,000	2,108,944	2,054,693	-
May-24	2024	643,491	-	-	1,111,348	334,980	-	-	-	-	1,162,944	177,732	1,610,155	1,218,621	-	1,500,000	185,334	1,100,000	2,270,942	2,552,033	-
Jun-24	2024	465,449	-	-	996,772	412,542	-	-	-	-	1,310,112	160,416	1,360,963	1,355,216	-	1,500,000	216,669	1,069,127	1,991,925	2,533,410	-
Jul-24	2024	519,599	-	-	941,864	360,000	-	-	-	-	892,176	182,232	1,364,310	1,180,004	-	1,500,000	177,313	1,070,000	1,893,302	2,747,697	-
Aug-24	2024	483,599	-	-	945,504	367,380	-	-	-	-	800,000	196,524	1,332,124	1,458,060	-	1,649,808	206,007	913,809	1,622,593	2,705,751	-
Sep-24	2024	482,785	-	-	906,136	428,004	-	-	-	-	1,315,920	171,720	1,349,107	1,341,487	-	1,580,040	246,910	1,133,103	1,984,686	2,535,570	-
Oct-24	2024	542,875	-	-	999,684	369,612	-	-	-	-	1,226,928	287,316	1,549,344	1,380,543	-	1,642,896	254,314	1,000,060	2,201,395	2,115,453	-
Nov-24	2024	498,726	-	-	1,014,132	284,976	-	-	-	-	1,242,144	332,604	1,554,791	1,269,866	-	1,647,216	241,680	1,060,205	2,100,280	2,411,123	-
Dec-24	2024	489,462	-	-	1,186,052	243,000	-	-	-	-	1,266,960	294,120	1,511,461	1,183,576	-	1,450,008	220,020	1,032,416	1,840,489	2,527,587	-
Jan-25	2025	546,439	-	-	1,248,940	278,658	-	-	-	-	1,162,512	304,344	1,775,180	1,330,045	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-25	2025	584,685	-	-	1,185,688	311,976	-	-	-	-	1,082,880	336,420	1,642,163	1,193,752	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-25	2025	659,672	-	-	1,240,876	288,000	-	-	-	-	1,202,592	261,936	1,733,559	1,282,480	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-25	2025	737,663	-	-	1,299,368	372,600	-	-	-	-	1,225,440	274,824	1,838,341	1,224,126	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-25	2025	513,702	-	-	991,200	298,800	-	-	-	-	1,162,944	205,200	1,317,348	1,208,441	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-25	2025	611,000	-	-	901,600	324,000	-	-	-	-	1,310,112	162,000	1,256,821	1,128,696	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-25	2025	484,744	-	-	1,027,600	401,400	-	-	-	-	892,176	234,000	1,395,677	1,469,934	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-25	2025	460,752	-	-	971,600	307,800	-	-	-	-	800,000	194,400	1,271,063	1,137,683	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-25	2025	399,984	-	-	1,010,800	354,600	-	-	-	-	1,412,496	284,400	1,331,590	1,260,948	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-25	2025	558,912	-	-	1,556,800	428,400	-	-	-	-	1,412,496	262,800	1,648,465	1,310,179	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-25	2025	491,568	-	-	1,212,400	270,000	-	-	-	-	1,134,528	223,200	1,363,633	1,133,033	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-25	2025	385,200	-	-	1,274,000	279,000	-	-	-	-	1,154,592	295,200	1,862,089	1,196,740	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-
Jan-26	2026	546,439	-	-	1,248,940	278,658	-	-	-	-	1,336,889	304,344	1,863,939	1,330,045	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-26	2026	584,685	-	-	1,185,688	311,976	-	-	-	-	1,245,312	336,420	1,724,271	1,193,752	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-26	2026	659,672	-	-	1,240,876	288,000	-	-	-	-	1,382,981	261,936	1,820,237	1,282,480	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-26	2026	737,663	-	-	1,299,368	372,600	-	-	-	-	1,409,256	274,824	1,930,258	1,224,126	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-26	2026	513,702	-	-	991,200	298,800	-	-	-	-	1,337,386	205,200	1,383,215	1,208,441	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-26	2026	611,000	-	-	901,600	324,000	-	-	-	-	1,506,629	162,000	1,319,662	1,128,696	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-26	2026	484,744	-	-	1,027,600	401,400	-	-	-	766,500	1,026,002	234,000	1,465,461	1,469,934	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-26	2026	460,752	-	-	971,600	307,800	-	-	-	766,500	920,000	194,400	1,334,616	1,137,683	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-26	2026	399,984	-	-	1,010,800	354,600	-	-	-	766,500	1,624,370	284,400	1,398,170	1,260,948	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-26	2026	558,912	-	-	1,556,800	428,400	-	-	-	766,500	1,624,370	262,800	1,730,888	1,310,179	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-26	2026	491,568	-	-	1,212,400	270,000	-	-	-	766,500	1,304,707	223,200	1,431,815	1,133,033	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-26	2026	385,200	-	-	1,274,000	279,000	-	-	-	766,500	1,327,781	295,200	-	1,196,740	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-

Jan-27	2027	546,439	-	-	1,248,940	278,658	-	-		766,500		1,804,800	304,344	-	1,330,045	-	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-27	2027	584,685	-	-	1,185,688	311,976	-	-		766,500		1,681,171	336,420	-	1,193,752	-	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-27	2027	659,672	-	-	1,240,876	288,000	-	-		766,500		1,867,024	261,936	-	1,282,480	-	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-27	2027	737,663	-	-	1,299,368	372,600	-	-		766,500		1,902,496	274,824	-	1,224,126	-	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-27	2027	513,702	-	-	991,200	298,800	-	-		766,500		1,805,471	205,200	-	1,208,441	-	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-27	2027	611,000	-	-	901,600	324,000	-	-		766,500		2,033,949	162,000	-	1,128,696	-	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-27	2027	484,744	-	-	1,027,600	401,400	-	-		766,500		1,385,103	234,000	-	1,469,934	-	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-27	2027	460,752	-	-	971,600	307,800	-	-		766,500		1,242,000	194,400	-	1,137,683	-	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-27	2027	399,984	-	-	1,010,800	354,600	-	-				2,192,900	284,400	-	1,260,948	-	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-27	2027	558,912	-	-	1,556,800	428,400	-	-				2,192,900	262,800	-	1,310,179	-	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-27	2027	491,568	-	-	1,212,400	270,000	-	-				1,761,355	223,200	-	1,133,033	-	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-27	2027	385,200	-	-	1,274,000	279,000	-	-				1,792,504	295,200	-	1,196,740	-	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-
Jan-28	2028	546,439	-	-	1,248,940	278,658	-	-				1,804,800	304,344	-	1,330,045	-	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-28	2028	584,685	-	-	1,185,688	311,976	-	-				1,681,171	336,420	-	1,193,752	-	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-28	2028	659,672	-	-	1,240,876	288,000	-	-				1,867,024	261,936	-	1,282,480	-	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-28	2028	737,663	-	-	1,299,368	372,600	-	-				1,902,496	274,824	-	1,224,126	-	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-28	2028	513,702	-	-	991,200	298,800	-	-				1,805,471	205,200	-	1,208,441	-	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-28	2028	611,000	-	-	901,600	324,000	-	-				2,033,949	162,000	-	1,128,696	-	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-28	2028	484,744	-	-	1,027,600	401,400	-	-		1,237,676		1,385,103	234,000	-	1,469,934	-	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-28	2028	460,752	-	-	971,600	307,800	-	-		2,096,536		1,242,000	194,400	-	1,137,683	-	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-28	2028	399,984	-	-	1,010,800	354,600	-	-		2,929,163		2,192,900	284,400	-	1,260,948	-	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-28	2028	558,912	-	-	1,556,800	428,400	-	-		4,380,000		2,192,900	262,800	-	1,310,179	-	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-28	2028	491,568	-	-	1,212,400	270,000	-	-		5,840,000		1,761,355	223,200	-	1,133,033	-	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-28	2028	385,200	-	-	1,274,000	279,000	-	-		5,840,000		1,792,504	295,200	-	1,196,740	-	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-
Jan-29	2029	546,439	-	-	1,248,940	278,658	-	-		5,840,000		1,804,800	304,344	-	1,330,045	-	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-29	2029	584,685	-	-	1,185,688	311,976	-	-		5,840,000		1,681,171	336,420	-	1,193,752	-	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-29	2029	659,672	-	-	1,240,876	288,000	-	-		5,840,000		1,867,024	261,936	-	1,282,480	-	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-29	2029	737,663	-	-	1,299,368	372,600	-	-		5,840,000		1,902,496	274,824	-	1,224,126	-	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-29	2029	513,702	-	-	991,200	298,800	-	-		5,840,000		1,805,471	205,200	-	1,208,441	-	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-29	2029	611,000	-	-	901,600	324,000	-	-		5,840,000		2,033,949	162,000	-	1,128,696	-	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-29	2029	484,744	-	-	1,027,600	401,400	-	-		5,840,000		1,385,103	234,000	-	1,469,934	-	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-29	2029	460,752	-	-	971,600	307,800	-	-		5,840,000		1,242,000	194,400	-	1,137,683	-	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-29	2029	399,984	-	-	1,010,800	354,600	-	-		5,840,000		2,192,900	284,400	-	1,260,948	-	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-29	2029	558,912	-	-	1,556,800	428,400	-	-		5,840,000		2,192,900	262,800	-	1,310,179	-	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-29	2029	491,568	-	-	1,212,400	270,000	-	-		5,840,000		1,761,355	223,200	-	1,133,033	-	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-29	2029	385,200	-	-	1,274,000	279,000	-	-		5,840,000		1,792,504	295,200	-	1,196,740	-	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-
Jan-30	2030	546,439	-	-	1,248,940	278,658	-	-		5,840,000		1,804,800	304,344	-	1,330,045	-	-	1,450,008	207,257	1,132,371	2,237,355	2,328,424	-
Feb-30	2030	584,685	-	-	1,185,688	311,976	-	-		5,840,000		1,681,171	336,420	-	1,193,752	-	-	1,642,416	213,768	1,052,917	2,073,696	2,285,661	-
Mar-30	2030	659,672	-	-	1,240,876	288,000	-	-		5,840,000		1,867,024	261,936	-	1,282,480	-	-	1,800,096	290,650	1,103,804	2,186,916	1,107,189	-
Apr-30	2030	737,663	-	-	1,299,368	372,600	-	-		5,840,000		1,902,496	274,824	-	1,224,126	-	-	1,767,504	273,875	1,158,438	2,215,518	1,755,785	-
May-30	2030	513,702	-	-	991,200	298,800	-	-		5,840,000		1,805,471	205,200	-	1,208,441	-	-	1,657,824	168,906	1,177,479	1,645,973	1,376,132	-
Jun-30	2030	611,000	-	-	901,600	324,000	-	-		5,840,000		2,033,949	162,000	-	1,128,696	-	-	1,320,000	178,001	878,000	1,732,728	2,752,264	-
Jul-30	2030	484,744	-	-	1,027,600	401,400	-	-		5,840,000		1,385,103	234,000	-	1,469,934	-	-	1,732,800	169,044	1,013,332	1,803,936	2,656,406	-
Aug-30	2030	460,752	-	-	971,600	307,800	-	-		5,840,000		1,242,000	194,400	-	1,137,683	-	-	1,660,800	164,135	1,124,722	1,507,236	2,684,831	-
Sep-30	2030	399,984	-	-	1,010,800	354,600	-	-		5,840,000		2,192,900	284,400	-	1,260,948	-	-	1,601,712	206,540	1,036,916	1,621,762	2,532,502	-
Oct-30	2030	558,912	-	-	1,556,800	428,400	-	-		5,840,000		2,192,900	262,800	-	1,310,179	-	-	1,715,088	212,742	986,287	2,211,602	2,613,162	-
Nov-30	2030	491,568	-	-	1,212,400	270,000	-	-		5,840,000		1,761,355	223,200	-	1,133,033	-	-	1,580,976	155,236	934,622	1,008,780	2,610,132	-
Dec-30	2030	385,200	-	-	1,274,000	279,000	-	-		5,840,000		1,792,504	295,200	-	1,196,740	-	-	1,601,424	219,335	832,663	1,827,672	2,298,576	-

Jan-18	2018	8,911,919	10,220,000	6,637,298	2,726,835	318,931	614,160			391,200	728,109	166,368	2,354,616	719,302		1,066,632	224,712	2,008,524	-	-	1,219,923	50,527,952	58,778,891	
Feb-18	2018	8,302,904	9,810,400	6,047,681	3,124,321	282,500	526,800			460,800	698,469	141,672	2,293,416	610,972		901,728	192,024	1,759,926	-	-	125,269	47,999,734	55,145,258	
Mar-18	2018	9,039,472	9,692,640	6,651,093	3,390,547	282,500	596,640			500,976	752,072	151,056	2,562,768	616,377		968,784	223,128	2,266,000	-	-	50,527	50,960,920	59,510,807	
Apr-18	2018	9,061,877	10,258,080	6,496,762	3,285,127	244,371	579,240			432,600	765,371	153,768	2,401,776	610,117		917,472	244,824	2,117,934	-	-	444,379	50,899,234	59,050,336	
May-18	2018	9,611,546	10,370,240	6,905,167	3,232,160	314,121	484,920			497,616	850,489	106,008	2,737,368	692,762		857,064	379,224	1,801,086	-	-	4,391	55,723,247	63,750,544	
Jun-18	2018	9,244,995	9,159,040	6,762,272	3,328,775	431,337	344,028			493,560	890,617	106,008	2,693,664	614,732		691,080	340,224	1,706,964	-	-	4,249	52,714,055	61,753,983	
Jul-18	2018	9,616,865	9,759,520	7,366,982	3,328,775	773,365	401,172			494,040	1,089,148	25,320	2,638,008	687,463		757,656	338,976	1,942,710	-	-	78,913	55,607,524	65,178,327	
Aug-18	2018	10,261,686	10,376,480	7,531,924	3,008,022	841,523	337,296			544,824	1,121,176	17,688	5,309,136	726,747		787,008	365,448	2,006,508	-	-	311,252	60,819,496	71,409,504	
Sep-18	2018	9,363,590	9,528,480	6,853,881	3,042,520	761,728	264,972			522,192	810,450	18,312	4,285,008	726,747		724,416	239,376	2,006,508	-	-	61,340	54,750,025	62,791,500	
Oct-18	2018	9,472,098	10,088,640	6,964,943	3,111,351	1,004,048	406,728			574,056	706,799	19,224	4,980,816	601,075		865,872	316,776	2,085,678	-	-	253,829	57,164,932	67,226,358	
Nov-18	2018	9,065,003	10,256,000	6,371,080	2,950,511	962,135	551,208			487,224	827,304	30,960	3,782,952	552,858		871,248	364,608	1,612,800	-	-	397,950	54,510,078	63,968,680	
Dec-18	2018	7,977,567	9,289,760	5,610,154	2,760,143	482,270	619,656			399,360	692,828	37,368	2,166,336	464,497		947,760	203,448	1,801,716	-	-	2,447,947	46,426,208	57,302,524	
Jan-19	2019	8,845,317	10,675,840	6,633,526	3,263,417	301,494	568,140			555,120	852,010	37,200	2,410,704	690,199		1,024,368	223,920	2,021,124	-	-	964,660	55,355,099	65,682,679	
Feb-19	2019	7,906,848	9,689,920	6,084,937	3,063,167	289,468	600,000			493,080	760,119	33,600	2,211,984	656,029		901,728	206,400	1,864,338	-	-	1,118,187	52,255,810	60,609,343	
Mar-19	2019	9,189,532	10,819,360	6,719,121	3,448,398	285,224	559,140			483,864	786,045	40,800	2,509,560	694,531		929,160	220,824	2,255,148	-	-	195,789	55,110,071	66,397,257	
Apr-19	2019	7,829,763	9,955,200	6,413,288	3,712,050	239,596	566,460			490,992	754,760	33,624	2,459,376	665,917		887,352	201,600	2,151,072	-	-	270,931	52,602,083	62,724,168	
May-19	2019	9,290,281	10,667,840	6,884,653	3,675,346	587,814	606,768			400,008	815,561	23,088	2,489,400	749,598		863,280	183,576	1,872,570	-	-	270,501	56,476,436	66,443,279	
Jun-19	2019	9,430,248	10,182,880	6,876,753	3,454,973	807,780	502,488			413,472	763,178	17,352	2,439,432	773,857		765,168	319,152	1,975,092	-	-	290,128	55,876,176	65,736,817	
Jul-19	2019	9,425,638	9,945,920	7,245,662	3,644,498	955,289	498,744			473,784	934,422	17,352	2,296,800	773,946		799,176	361,248	1,942,710	-	-	268,074	56,559,776	66,321,821	
Aug-19	2019	9,760,415	10,783,040	7,604,432	3,646,370	866,034	359,880			490,728	927,278	19,656	6,353,784	758,221		814,632	316,752	2,196,600	-	-	526,314	62,366,410	71,156,923	
Sep-19	2019	8,828,103	9,608,320	6,841,265	3,159,229	554,708	379,320			466,056	768,272	222,808	4,997,088	600,411		765,816	307,248	1,791,972	-	-	186,123	54,555,453	62,635,538	
Oct-19	2019	9,472,098	10,100,480	6,755,670	3,621,709	1,078,361	438,000			536,064	801,520	392,016	5,340,240	564,813		862,392	314,448	1,798,566	-	-	243,800	59,588,086	70,347,503	
Nov-19	2019	6,977,328	9,658,080	6,387,940	3,706,529	994,321	551,208			444,192	745,865	30,960	4,955,760	251,452		880,080	179,616	1,969,212	-	-	393,657	54,070,700	64,661,168	
Dec-19	2019	4,285,951	6,542,400	5,132,305	3,295,411	447,324	619,656			412,704	711,609	37,368	2,119,896	347,006		925,632	196,752	1,845,606	-	-	277,828	42,463,593	53,312,912	
Jan-20	2020	7,760,591	9,728,000	6,675,734	4,157,865	350,375	568,140			458,688	738,950	37,200	2,187,864	683,715		997,248	230,184	2,147,040	-	-	17,864	55,146,345	67,104,698	
Feb-20	2020	7,591,730	9,025,280	6,170,061	4,231,511	349,279	681,516			510,888	685,895	131,508	2,079,864	612,775		941,496	203,928	2,023,392	-	-	90,156	51,435,426	61,567,213	
Mar-20	2020	7,860,659	8,739,520	6,103,565	4,422,357	337,890	742,416			541,512	728,923	46,512	2,356,416	570,424		960,888	219,096	2,080,680	-	-	367,354	52,035,919	62,674,430	
Apr-20	2020	4,890,105	6,065,600	5,235,703	3,190,395	300,857	676,896			518,136	685,789	39,618	2,139,192	540,904		661,944	199,176	2,146,284	-	-	353,549	40,911,392	49,840,958	
May-20	2020	5,882,171	6,358,400	5,179,347	4,422,357	438,447	558,084			556,368	778,246	24,336	2,264,472	520,336		661,944	184,464	1,802,262	-	-	326,454	43,126,153	51,919,638	
Jun-20	2020	7,815,467	7,713,920	5,997,337	2,439,070	517,251	502,488			569,448	949,366	15,426	2,200,320	654,089		756,168	181,512	2,117,682	-	-	2,682,367	45,835,175	54,238,429	
Jul-20	2020	9,207,390	9,272,800	7,050,656	2,822,445	979,466	498,744			641,832	1,049,976	16,596	2,421,144	726,987		799,176	361,248	2,072,952	-	-	559,060	53,971,883	62,143,971	
Aug-20	2020	9,612,682	9,253,120	7,385,492	3,001,065	906,427	262,608			561,432	1,126,004	81,198	5,703,480	704,413		814,632	316,752	2,196,600	-	-	456,217	58,308,277	66,149,741	
Sep-20	2020	8,727,014	9,209,440	6,955,157	3,316,337	901,864	357,660			466,056	1,045,378	24,696	4,461,480	600,533		765,816	307,248	2,027,046	-	-	970,999	54,276,951	62,632,675	
Oct-20	2020	8,234,628	9,429,280	6,776,067	3,869,618	878,732	469,428			536,064	928,728	30,492	5,169,456	542,737		862,392	203,640	1,825,656	-	-	268,987	57,698,785	65,274,225	
Nov-20	2020	7,822,979	9,234,400	6,574,811	4,013,392	956,405	574,860			587,304	669,006	129,096	4,872,240	512,929		880,080	394,920	2,081,730	-	-	254,323	56,283,189	63,983,825	
Dec-20	2020	6,656,803	8,708,640	6,328,283	3,287,955	540,701	650,388			481,560	802,846	118,998	2,305,080	438,335		925,632	196,752	1,965,180	-	-	532,385	49,462,530	58,546,086	

Jan-21	2021	7,485,926	8,725,760	6,652,154	3,989,422	365,301	697,092	-	-	569,280	783,746	103,068	2,246,688	656,982		1,000,032	229,392	2,198,028	-	-	112,572	52,967,198	62,226,916	
Feb-21	2021	6,742,229	8,174,720	5,964,325	3,612,728	346,555	617,760	-	-	491,736	680,059	102,672	1,999,584	604,949		949,848	196,512	1,955,436	-	-	583,538	48,338,124	57,282,583	
Mar-21	2021	8,171,240	10,204,320	6,103,565	1,961,245	413,617	777,432	-	-	526,872	758,598	115,182	2,306,808	570,424		1,065,096	237,792	2,062,284	-	-	478,458	52,341,870	61,587,603	
Apr-21	2021	7,925,688	9,227,680	5,235,703	2,476,229	398,337	683,520	-	-	524,136	793,544	114,534	2,289,384	540,904		949,272	215,328	2,135,910	-	-	71,000	49,903,758	59,121,608	
May-21	2021	8,352,724	9,945,600	6,894,203	3,538,167	836,713	422,916	-	-	615,504	866,194	119,232	2,288,952	290,221		871,248	383,136	1,937,838	-	-	158,904	55,398,087	65,002,533	
Jun-21	2021	8,775,164	9,380,320	7,041,813	4,000,501	826,314	250,056	-	-	569,448	854,911	74,412	2,334,816	721,275		816,360	348,336	2,117,682	-	-	430,361	54,634,158	62,531,386	
Jul-21	2021	8,758,206	9,903,360	7,199,328	4,003,821	715,288	356,136	-	-	641,832	1,049,976	18,090	2,229,048	749,977		829,200	355,320	2,197,356	-	-	488,275	54,850,841	63,333,233	
Aug-21	2021	9,047,003	10,187,840	7,641,689	3,840,100	652,718	325,572	-	-	561,432	1,302,571	891,198	6,978,600	725,688		885,096	391,008	2,196,600	-	-	988,934	60,505,920	69,694,399	
Sep-21	2021	7,981,531	9,903,040	7,111,374	3,848,952	902,864	312,252	-	-	572,472	1,045,378	658,656	5,200,560	668,591		827,136	343,752	1,993,614	-	-	1,267,956	57,330,417	65,011,424	
Oct-21	2021	8,077,075	10,141,280	6,815,917	4,151,473	794,198	332,388	-	-	590,208	906,710	120,528	5,553,000	542,737		816,240	341,760	1,825,656	-	-	577,555	58,722,360	67,497,818	
Nov-21	2021	7,684,370	9,809,600	6,336,653	4,042,412	962,294	574,860	-	-	458,880	807,073	136,296	5,309,352	512,929		942,384	412,608	2,081,730	-	-	1,079,214	56,127,431	65,820,600	
Dec-21	2021	6,692,882	9,201,280	6,175,956	3,054,427	540,701	693,300	-	-	481,560	477,354	146,034	3,326,184	438,335		974,760	365,928	2,113,020	-	-	1,047,479	49,440,041	60,230,803	
Jan-22	2022	7,225,227	9,540,960	6,062,536	3,530,184	365,301	673,908	-	-	569,280	430,577	114,768	2,289,744	656,982		1,093,896	229,392	2,198,028	-	-	258,823	51,526,538	61,571,246	
Feb-22	2022	6,698,626	9,026,720	5,571,718	3,874,083	390,839	621,696	-	-	491,736	579,166	113,850	2,163,888	604,949		949,848	196,512	1,955,436	-	-	2,524,720	46,415,065	56,446,102	
Mar-22	2022	7,648,834	10,458,880	6,380,512	3,891,090	353,700	698,460	-	-	526,872	807,957	136,512	2,536,488	570,424		1,106,688	234,984	2,062,284	-	-	4,436,320	51,153,873	63,645,541	
Apr-22	2022	6,963,287	9,555,680	5,900,306	4,099,588	256,362	656,160	-	-	511,152	756,423	102,240	2,532,456	606,446		917,232	215,880	2,043,552	-	-	1,240,729	50,370,334	60,088,072	
May-22	2022	8,498,792	9,712,800	6,688,467	4,223,941	476,275	549,084	-	-	594,144	866,194	21,114	2,621,520	736,764		886,248	292,320	1,937,838	-	-	835,604	55,018,612	63,866,302	
Jun-22	2022	8,318,099	9,856,800	7,018,823	4,113,361	475,585	337,152	-	-	606,720	854,911	16,758	2,576,376	757,473		873,648	354,336	2,372,874	-	-	1,706,996	54,038,439	62,194,621	
Jul-22	2022	8,220,764	10,025,440	7,383,488	4,043,591	550,746	377,040	-	-	673,848	901,192	17,064	2,625,624	783,644		806,424	351,096	2,197,356	-	-	633,218	54,899,209	63,426,356	
Aug-22	2022	8,637,159	10,634,880	7,695,333	3,907,967	815,791	395,232	-	-	400,248	1,302,571	837,144	7,359,768	852,008		880,872	391,320	1,525,650	-	-	3,670,024	58,234,748	70,145,415	
Sep-22	2022	7,612,160	9,338,880	7,111,256	3,333,148	782,597	329,436	-	-	594,552	993,207	769,662	5,036,976	736,717		647,088	305,688	1,464,308	-	-	2,803,951	53,203,405	64,640,386	
Oct-22	2022	7,527,896	10,069,600	6,835,253	4,203,992	884,993	496,320	-	-	590,208	836,200	130,392	5,756,544	694,548		822,744	355,824	1,601,705	-	-	4,111,806	54,743,363	65,951,461	
Nov-22	2022	7,656,790	10,134,560	6,619,613	3,711,331	934,688	537,024	-	-	568,608	737,358	120,078	5,253,624	505,253		957,480	288,600	1,437,074	-	-	2,247,803	55,127,297	64,797,828	
Dec-22	2022	5,958,022	7,143,520	5,134,663	3,286,171	869,112	561,156	-	-	392,736	674,594	121,662	3,067,056	431,485		921,696	218,184	1,106,705	-	-	304,608	46,470,028	56,700,049	
Jan-23	2023	7,554,058	9,798,080	6,233,019	4,408,836	775,187	602,292	-	-	468,912	666,654	130,590	2,289,744	645,387	-	1,107,000	239,832	969,540	-	-	388,724	51,596,958	61,109,252	
Feb-23	2023	6,615,890	8,745,120	5,591,643	3,922,689	374,604	702,936	-	-	514,656	633,777	113,922	2,163,888	670,467	-	1,041,096	204,908	1,851,779	-	-	637,861	48,690,024	57,628,835	
Mar-23	2023	7,669,962	10,119,200	6,400,673	4,394,033	357,821	851,940	-	-	502,416	722,149	140,346	2,536,488	880,989	-	1,173,576	234,984	1,612,536	-	-	1,524,663	56,109,339	66,579,612	
Apr-23	2023	6,509,697	8,326,240	5,653,895	3,938,068	429,268	712,416	-	-	511,152	642,001	115,506	2,177,568	783,725	-	827,520	215,880	1,467,552	-	-	389,691	48,968,176	58,387,646	
May-23	2023	6,768,499	8,941,280	6,586,012	4,276,834	877,406	529,476	-	-	547,920	687,133	30,240	2,299,392	861,312	-	753,528	292,320	1,204,254	-	-	440,323	52,186,401	61,007,783	
Jun-23	2023	7,956,314	9,250,240	7,153,111	4,243,505	844,282	393,396	-	-	576,798	783,711	16,794	2,252,520	804,670	-	813,648	333,660	1,796,874	-	-	605,747	52,699,428	62,753,166	
Jul-23	2023	8,190,113	9,846,080	7,552,914	3,769,137	729,188	482,148	-	-	477,960	903,594	16,866	2,625,624	873,848	-	768,840	351,096	1,518,456	-	-	306,482	52,671,052	60,965,963	
Aug-23	2023	8,387,287	9,457,600	7,738,885	3,582,111	804,900	489,204	-	-	655,464	853,784	736,074	6,975,216	846,778	-	840,264	318,552	1,484,478	-	-	499,479	58,117,774	66,896,443	
Sep-23	2023	7,611,693	9,625,280	7,167,560	3,531,900	764,364	484,704	-	-	600,000	725,734	585,036	4,908,744	799,413	-	753,600	315,744	1,424,000	-	-	761,288	54,153,668	62,382,666	
Oct-23	2023	7,932,248	9,500,480	7,085,433	3,234,612	942,224	522,912	-	-	600,000	692,071	122,292	5,500,000	694,548	-	832,320	318,168	1,464,308	-	-	37,144	51,942,076	60,432,396	
Nov-23	2023	7,412,259	10,046,560	6,513,277	3,701,829	987,815	623,184	-	-	622,440	633,360	127,602	4,951,152	700,552	-	1,003,800	368,232	1,420,000	-	-	802,143	53,277,723	61,313,576	
Dec-23	2023	5,857,587	8,328,160	5,420,472	2,387,659	738,641	634,344	-	-	471,744	583,870	133,488	1,942,272	496,240	-	960,552	220,968	1,420,000	-	-	101,660	42,192,750	50,067,586	

Jan-24	2024	7,031,746	10,074,080	6,324,695	3,121,563	403,144	774,288	-	-	428,712	615,237	133,236	2,224,800	670,902	-	1,070,280	267,744	1,420,000	-	-	638,722	48,073,482	55,974,799	
Feb-24	2024	6,147,181	8,892,000	5,715,035	2,770,281	408,342	714,396	-	-	475,344	604,698	128,988	2,031,696	673,142	-	970,272	230,352	1,500,000	-	-	1,075,469	45,327,997	53,228,529	
Mar-24	2024	6,694,648	9,382,560	6,098,372	2,676,809	400,000	687,336	-	-	496,248	632,754	28,818	2,235,312	754,838	-	1,016,544	228,648	1,400,000	-	-	146,139	44,305,999	52,671,242	
Apr-24	2024	7,035,426	9,788,160	4,983,611	1,831,652	993,939	707,292	-	-	607,416	664,851	20,358	2,222,424	739,152	-	1,000,000	232,464	1,600,000	-	-	721,544	45,970,806	53,969,711	
May-24	2024	7,734,083	10,006,560	6,888,781	2,760,637	988,314	811,860	-	-	779,808	746,064	19,656	2,382,840	774,757	-	1,000,000	265,560	1,600,000	-	-	72,669	50,553,830	57,971,243	
Jun-24	2024	7,767,243	9,402,400	7,219,542	2,378,827	832,475	248,184	-	-	741,240	787,009	22,104	2,267,784	804,307	-	807,768	334,224	1,600,000	-	-	1,476,509	50,062,217	56,804,124	
Jul-24	2024	7,930,897	10,319,360	7,607,625	2,243,126	923,710	437,952	-	-	554,424	904,306	18,684	2,947,392	886,284	-	735,456	359,304	1,600,000	-	-	119,808	50,416,823	57,419,514	
Aug-24	2024	8,173,688	10,452,000	7,830,388	2,297,410	832,849	307,704	-	-	732,576	891,328	670,284	7,147,440	880,878	-	703,608	340,656	2,085,708	-	-	219,064	55,808,611	63,253,447	
Sep-24	2024	7,489,306	9,214,560	7,190,465	2,748,256	857,433	304,320	-	-	713,979	700,135	229,896	4,851,432	804,330	-	683,765	323,760	1,310,682	-	-	316,009	50,581,777	57,812,720	
Oct-24	2024	7,327,861	9,460,800	6,613,562	3,129,183	1,050,781	352,764	-	-	783,834	653,921	122,292	5,675,760	761,884	-	844,515	226,104	1,884,066	-	-	219,866	52,237,880	59,961,948	
Nov-24	2024	6,891,414	9,392,960	5,959,754	2,082,052	1,020,464	428,604	-	-	847,636	566,958	127,602	5,142,384	632,470	-	844,784	204,384	1,439,118	-	-	109,772	49,348,099	56,440,083	
Dec-24	2024	5,550,900	8,293,760	5,135,046	1,251,384	472,002	482,376	-	-	726,630	572,690	133,488	1,854,504	358,009	-	956,914	239,880	2,758,506	-	-	22,013	42,053,252	49,876,658	
Jan-25	2025	6,938,205	9,776,480	6,395,040	2,278,825	418,899	723,468	-	-	729,289	625,687	133,236	1,944,864	465,279	-	1,044,271	287,928	1,495,398	-	-	1,550,190	45,708,012	54,150,539	
Feb-25	2025	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	653,405	633,110	128,988	1,841,112	614,674	-	970,272	255,480	1,635,044	-	-	683,469	42,085,900	49,948,999	
Mar-25	2025	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	782,077	665,581	28,818	2,114,208	766,836	-	970,610	243,864	1,931,198	-	-	109,787	46,887,802	54,837,395	
Apr-25	2025	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	813,575	702,342	170,766	1,837,296	781,590	-	999,541	257,640	1,721,521	-	-	-	46,570,365	54,432,667	
May-25	2025	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	610,015	639,466	9,000	1,490,400	696,008	-	731,993	181,512	1,750,380	-	-	733,785	42,855,949	49,563,262	
Jun-25	2025	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	788,035	681,817	14,400	1,375,200	729,500	-	643,193	307,200	1,600,000	-	-	1,376,132	42,699,965	48,746,104	
Jul-25	2025	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	878,232	881,199	16,200	1,735,200	827,952	-	777,701	348,000	1,600,000	-	-	69,866	46,716,119	54,157,813	
Aug-25	2025	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	816,518	870,518	18,000	4,953,600	695,376	-	797,266	268,800	2,085,708	-	-	50,797	50,513,361	57,191,183	
Sep-25	2025	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	790,409	732,659	14,400	2,851,200	652,032	-	673,787	336,168	1,310,682	-	-	5,355,929	50,684,861	58,615,344	
Oct-25	2025	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	894,847	673,699	16,200	4,687,200	842,496	-	866,941	371,832	1,310,682	-	-	1,306,291	49,754,216	56,761,272	
Nov-25	2025	6,650,980	7,879,520	4,577,606	2,082,052	863,397	382,800	-	-	761,926	551,773	19,800	4,449,600	604,176	-	799,075	215,448	1,439,118	-	-	4,570,327	38,825,052	45,998,848	
Dec-25	2025	5,983,340	7,808,800	4,871,458	1,251,384	715,640	483,600	-	-	631,378	589,335	27,000	1,857,600	438,288	-	812,282	275,880	1,376,748	-	-	5,053,686	45,402,911	52,805,598	
Jan-26	2026	6,938,205	9,776,480	6,395,040	2,278,825	418,899	723,468	-	-	729,289	625,687	133,236	1,847,621	474,584	-	1,044,271	287,928	1,525,306	-	-	-	47,463,308	55,822,775	
Feb-26	2026	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	653,405	633,110	128,988	1,749,056	626,968	-	970,272	255,480	1,667,745	-	-	-	42,966,848	50,840,271	
Mar-26	2026	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	782,077	665,581	28,818	1,797,077	782,173	-	970,610	243,864	1,969,822	-	-	-	47,001,486	54,947,017	
Apr-26	2026	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	813,575	702,342	170,766	1,561,702	797,222	-	999,541	257,640	1,755,952	-	-	-	46,620,565	54,423,123	
May-26	2026	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	610,015	639,466	9,000	1,266,840	709,928	-	731,993	181,512	1,785,388	-	-	-	43,655,511	50,388,367	
Jun-26	2026	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	788,035	681,817	14,400	1,168,920	744,090	-	643,193	307,200	1,632,000	-	-	-	41,423,601	47,506,972	
Jul-26	2026	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	878,232	881,199	16,200	1,474,920	844,511	-	777,701	348,000	1,632,000	-	-	-	47,404,642	54,830,921	
Aug-26	2026	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	816,518	870,518	18,000	4,210,560	709,284	-	797,266	268,800	2,127,422	-	-	-	50,826,793	57,521,863	
Sep-26	2026	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	790,409	732,659	14,400	2,423,520	665,073	-	673,787	336,168	1,336,896	-	-	-	45,985,459	52,367,883	
Oct-26	2026	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	894,847	673,699	16,200	3,984,120	859,346	-	866,941	371,832	1,336,896	-	-	-	51,461,289	58,696,075	
Nov-26	2026	6,650,980	7,879,520	4,577,606	2,082,052	863,397	382,800	-	-	761,926	551,773	19,800	3,782,160	616,260	-	799,075	215,448	1,467,900	-	-	-	43,773,666	50,208,184	
Dec-26	2026	5,983,340	7,808,800	4,871,458	1,251,384	715,640	483,600	-	-	631,378	589,335	27,000	1,578,960	447,054	-	812,282	275,880	1,404,283	-	-	-	39,184,485	46,334,035	

Jan-27	2027	6,938,205	9,776,480	6,395,040	2,278,625	418,899	723,468	-	-	692,825	625,687	133,236	1,847,621	484,076	-	1,044,271	287,928	1,555,812	-		46,837,314	56,311,744	
Feb-27	2027	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	620,735	633,110	128,988	1,749,056	639,507	-	970,272	255,480	1,701,100	-		42,458,160	51,317,670	
Mar-27	2027	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	742,973	665,581	28,818	1,797,077	797,816	-	970,610	243,864	2,009,218	-		46,447,728	55,532,351	
Apr-27	2027	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	772,896	702,342	170,766	1,561,702	813,167	-	999,541	257,640	1,791,071	-		45,960,432	54,843,813	
May-27	2027	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	579,514	639,466	9,000	1,266,840	724,127	-	731,993	181,512	1,821,095	-		43,526,186	51,392,123	
Jun-27	2027	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	748,633	681,817	14,400	1,168,920	758,972	-	643,193	307,200	1,664,640	-		41,405,779	48,595,116	
Jul-27	2027	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	834,320	881,199	16,200	1,474,920	861,401	-	777,701	348,000	1,664,640	-		46,303,901	54,850,077	
Aug-27	2027	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	775,692	870,518	18,000	4,210,560	723,469	-	797,266	268,800	2,169,971	-		49,830,085	57,668,608	
Sep-27	2027	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	750,889	732,659	14,400	2,423,520	678,374	-	673,787	336,168	1,363,634	-		44,389,838	51,880,691	
Oct-27	2027	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	850,105	673,699	16,200	3,984,120	876,533	-	866,941	371,832	1,363,634	-		49,531,612	57,899,652	
Nov-27	2027	6,650,980	7,879,520	4,577,606	2,082,052	863,397	382,800	-	-	723,830	551,773	19,800	3,782,160	628,585	-	799,075	215,448	1,497,258	-		42,035,585	49,574,507	
Dec-27	2027	5,983,340	7,808,800	4,871,458	1,251,384	715,640	483,600	-	-	599,809	589,335	27,000	1,578,960	455,995	-	812,282	275,880	1,432,369	-		38,888,166	47,150,811	
Jan-28	2028	6,938,205	9,776,480	6,395,040	2,278,625	418,899	723,468	-	-	692,825	625,687	133,236	1,847,621	484,076	5,840,000	1,044,271	287,928	1,555,812	-		51,910,814	61,385,245	
Feb-28	2028	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	620,735	633,110	128,988	1,749,056	639,507	5,840,000	970,272	255,480	1,701,100	-		47,531,660	56,401,827	
Mar-28	2028	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	742,973	665,581	28,818	1,797,077	797,816	5,840,000	970,610	243,864	2,009,218	-		51,521,228	60,605,853	
Apr-28	2028	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	772,896	702,342	170,766	1,561,702	813,167	5,840,000	999,541	257,640	1,791,071	-		51,033,932	59,917,316	
May-28	2028	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	579,514	639,466	9,000	1,266,840	724,127	5,840,000	731,993	181,512	1,821,095	-		48,599,686	56,465,628	
Jun-28	2028	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	748,633	681,817	14,400	1,168,920	758,972	5,840,000	643,193	307,200	1,664,640	-		46,479,279	53,668,621	
Jul-28	2028	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	834,320	881,199	16,200	1,474,920	861,401	5,840,000	777,701	348,000	1,664,640	-		52,615,077	61,161,260	
Aug-28	2028	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	775,692	870,518	18,000	4,210,560	723,469	5,840,000	797,266	268,800	2,169,971	-		57,000,121	64,838,651	
Sep-28	2028	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	750,889	732,659	14,400	2,423,520	678,374	5,840,000	673,787	336,168	1,363,634	-		53,159,001	60,649,863	
Oct-28	2028	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	850,105	673,699	16,200	3,984,120	876,533	5,840,000	866,941	371,832	1,363,634	-		59,751,612	68,119,662	
Nov-28	2028	6,650,980	7,879,520	4,577,606	2,082,052	863,397	382,800	-	-	723,830	551,773	19,800	3,782,160	628,585	5,840,000	799,075	215,448	1,497,258	-		53,715,585	61,254,518	
Dec-28	2028	5,983,340	7,808,800	4,871,458	1,251,384	715,640	483,600	-	-	599,809	589,335	27,000	1,578,960	455,995	5,840,000	812,282	275,880	1,432,369	-		50,568,166	58,830,823	
Jan-29	2029	6,938,205	9,776,480	6,395,040	2,278,625	418,899	723,468	-	-	692,825	625,687	133,236	1,847,621	484,076	5,840,000	1,044,271	287,928	1,555,812	-		57,750,814	67,225,245	
Feb-29	2029	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	620,735	633,110	128,988	1,749,056	639,507	5,840,000	970,272	255,480	1,701,100	-		53,371,660	62,231,171	
Mar-29	2029	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	742,973	665,581	28,818	1,797,077	797,816	5,840,000	970,610	243,864	2,009,218	-		57,361,228	66,445,853	
Apr-29	2029	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	772,896	702,342	170,766	1,561,702	813,167	5,840,000	999,541	257,640	1,791,071	-		56,873,932	65,757,316	
May-29	2029	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	579,514	639,466	9,000	1,266,840	724,127	5,840,000	731,993	181,512	1,821,095	-		54,439,686	62,305,628	
Jun-29	2029	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	748,633	681,817	14,400	1,168,920	758,972	5,840,000	643,193	307,200	1,664,640	-		52,319,279	59,508,621	
Jul-29	2029	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	834,320	881,199	16,200	1,474,920	861,401	5,840,000	777,701	348,000	1,664,640	-		57,217,401	65,763,584	
Aug-29	2029	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	775,692	870,518	18,000	4,210,560	723,469	5,840,000	797,266	268,800	2,169,971	-		60,743,585	68,582,116	
Sep-29	2029	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	750,889	732,659	14,400	2,423,520	678,374	5,840,000	673,787	336,168	1,363,634	-		56,069,838	63,560,700	
Oct-29	2029	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	850,105	673,699	16,200	3,984,120	876,533	5,840,000	866,941	371,832	1,363,634	-		61,211,612	69,579,662	
Nov-29	2029	6,650,980	7,879,520	4,577,606	2,082,052	863,397	382,800	-	-	723,830	551,773	19,800	3,782,160	628,585	5,840,000	799,075	215,448	1,497,258	-		53,715,585	61,254,518	
Dec-29	2029	5,983,340	7,808,800	4,871,458	1,251,384	715,640	483,600	-	-	599,809	589,335	27,000	1,578,960	455,995	5,840,000	812,282	275,880	1,432,369	-		50,568,166	58,830,823	
Jan-30	2030	6,938,205	9,776,480	6,395,040	2,278,625	418,899	723,468	-	-	692,825	625,687	133,236	1,847,621	484,076	5,840,000	1,044,271	287,928	1,555,812	-		57,750,814	67,225,256	
Feb-30	2030	5,940,734	8,442,240	4,916,438	2,164,683	422,103	545,064	-	-	620,735	633,110	128,988	1,749,056	639,507	5,840,000	970,272	255,480	1,701,100	-		53,371,660	62,231,181	
Mar-30	2030	7,168,531	9,595,680	5,915,961	2,509,053	435,348	712,056	-	-	742,973	665,581	28,818	1,797,077	797,816	5,840,000	970,610	243,864	2,009,218	-		57,361,228	66,445,862	
Apr-30	2030	7,079,240	9,106,240	5,803,215	1,831,652	401,168	921,096	-	-	772,896	702,342	170,766	1,561,702	813,167	5,840,000	999,541	257,640	1,791,071	-		56,873,932	65,757,324	
May-30	2030	7,936,340	8,927,040	6,091,607	1,961,345	532,280	308,400	-	-	579,514	639,466	9,000	1,266,840	724,127	5,840,000	731,993	181,512	1,821,095	-		54,439,686	62,305,635	
Jun-30	2030	5,716,340	6,864,000	5,103,240	3,922,689	863,397	159,600	-	-	748,633	681,817	14,400	1,168,920	758,972	5,840,000	643,193	307,200	1,664,640	-		52,319,279	59,508,627	
Jul-30	2030	7,555,420	8,608,000	6,717,288	2,243,126	945,286	231,600	-	-	834,320	881,199	16,200	1,474,920	861,401	5,840,000	777,701	348,000	1,664,640	-		57,217,401	65,763,589	
Aug-30	2030	7,676,520	9,840,000	7,085,196	2,297,410	753,025	121,200	-	-	775,692	870,518	18,000	4,210,560	723,469	5,840,000	797,266	268,800	2,169,971	-		60,743,585	68,582,120	
Sep-30	2030	6,651,660	8,143,200	6,280,071	2,748,256	866,957	223,200	-	-	750,889	732,659	14,400	2,423,520	678,374	5,840,000	673,787	336,168	1,363,634	-		56,069,838	63,560,703	
Oct-30	2030	7,246,480	8,752,800	5,847,720	3,129,183	1,196,294	307,200	-	-	850,105	673,699	16,200	3,984,120	876,533	5,840,000	866,941	371,832	1,363,634	-		61,211,612	69,579,664	
Nov-30	2																						

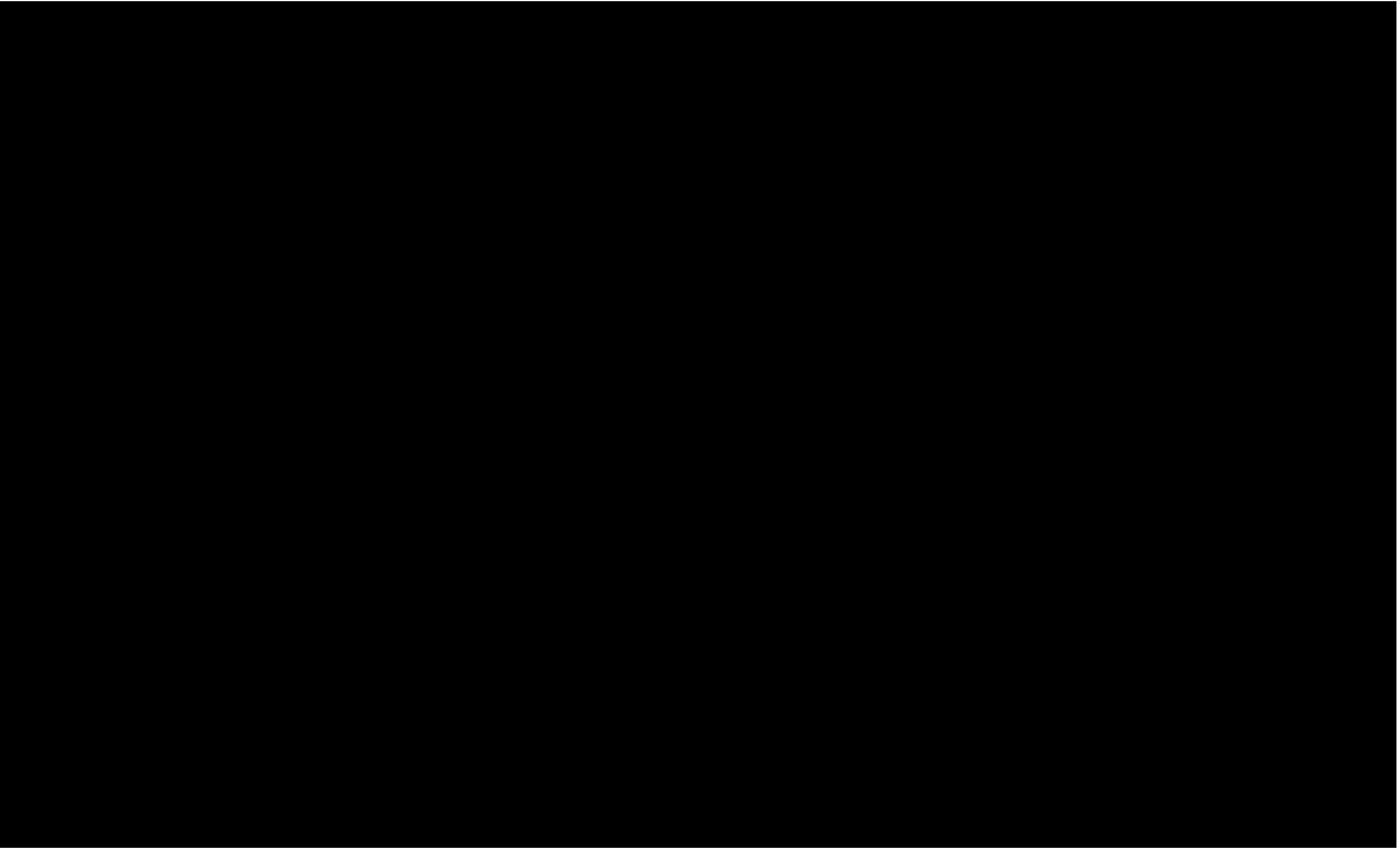
1000000		Mun	Mun	Mun	Mun	Mun	Mun	Mun	Mun	Mun	Mun			
1000														
	Year											Unallocated	Municipal	BUTU
2015-01-01	2015	441,800	343,392	9,876,689	3,553,742	713,784	-	4,751,596	1,567,864	1,045,422	-	22,294,089		
2015-02-01	2015	395,760	309,994	9,026,777	3,476,046	671,664	-	4,552,699	1,486,185	1,034,622	-	20,953,747		
2015-03-01	2015	433,910	336,230	9,154,154	3,514,953	673,152	-	4,449,467	1,435,533	949,572	-	20,946,971		
2015-04-01	2015	419,702	324,374	7,272,276	2,773,244	561,912	-	3,738,747	1,162,168	714,924	-	16,967,347		
2015-05-01	2015	456,720	362,803	5,575,526	2,291,269	454,032	-	3,021,905	857,391	504,972	-	13,524,618		
2015-06-01	2015	465,850	368,266	5,018,647	2,178,556	423,360	-	2,998,590	794,156	473,778	-	12,721,203		
2015-07-01	2015	542,246	399,878	5,297,746	2,495,471	407,424	-	3,110,143	792,282	492,228	-	13,537,418		
2015-08-01	2015	612,269	425,222	5,679,502	2,645,087	405,360	-	3,209,317	832,182	504,900	-	14,313,839		
2015-09-01	2015	539,050	372,442	5,573,004	2,404,335	357,744	-	3,046,733	777,218	433,872	-	13,504,398		
2015-10-01	2015	465,629	357,830	6,256,498	2,616,791	427,008	-	3,266,056	905,531	527,364	-	14,822,707		
2015-11-01	2015	427,690	339,226	6,648,927	2,665,296	503,328	-	3,497,759	952,395	583,965	-	15,618,585		
2015-12-01	2015	439,411	370,866	6,437,390	2,777,915	620,280	-	3,887,644	1,027,211	700,487	83,105	16,344,328		
2016-01-01	2016	435,848	348,125	7,538,329	2,853,768	654,168	-	4,346,374	1,215,146	870,751	2,587,928	20,850,235		
2016-02-01	2016	404,102	331,200	6,778,946	2,442,393	671,664	-	4,050,504	1,064,046	701,947	1	16,442,803		
2016-03-01	2016	431,040	332,112	7,014,090	2,495,006	608,568	-	4,126,706	1,040,289	666,946	67,297	16,647,459		
2016-04-01	2016	409,277	328,090	5,555,727	2,048,086	530,544	-	3,513,165	821,646	524,607	672,740	14,403,883		
2016-05-01	2016	445,526	354,490	4,035,730	1,904,657	463,344	-	3,072,592	661,648	381,608	184,527	11,504,121		
2016-06-01	2016	492,749	362,026	3,578,402	1,885,660	425,184	-	2,801,068	558,940	329,045	261,884	10,694,958		
2016-07-01	2016	573,619	409,920	3,965,141	1,994,486	413,712	-	2,990,062	574,681	364,067	0	11,285,688		
2016-08-01	2016	568,723	409,814	3,866,948	2,076,080	399,864	-	3,148,451	594,877	377,644	0	11,442,401		
2016-09-01	2016	515,491	374,506	4,117,093	1,951,589	367,080	-	2,967,779	576,537	320,043	197,602	11,387,719		
2016-10-01	2016	471,638	359,088	4,522,762	2,101,674	429,312	-	3,144,668	681,346	370,397	0	12,080,885		
2016-11-01	2016	419,453	338,842	4,962,072	2,420,173	498,648	-	3,525,269	839,200	499,251	1	13,502,909		
2016-12-01	2016	423,974	356,122	6,476,505	2,554,625	668,256	-	4,347,268	1,150,433	810,564	265,078	17,052,370		
2017-01-01	2017	424,781	333,158	6,475,647	2,407,809	658,776	-	4,371,545	1,111,312	789,490	0	16,572,519		
2017-02-01	2017	381,130	307,171	5,668,258	2,251,596	595,272	-	3,868,800	1,002,739	642,302	1	14,717,267		
2017-03-01	2017	426,902	343,670	6,135,111	2,575,650	644,736	-	4,526,633	1,087,730	748,240	1	16,488,673		
2017-04-01	2017	401,597	328,090	3,965,894	1,684,437	498,240	-	3,390,057	682,690	482,545	0	11,413,550		
2017-05-01	2017	453,072	366,240	2,862,525	1,491,939	489,840	-	3,129,606	555,709	317,696	99,028	9,765,556		
2017-06-01	2017	500,246	376,934	2,751,829	1,457,958	414,984	-	2,847,491	447,011	250,822	216,887	9,264,162		
2017-07-01	2017	561,235	408,682	2,865,827	1,553,584	393,864	-	3,025,894	464,647	282,202	1	9,555,934		
2017-08-01	2017	257,172	164,482	3,083,067	1,668,499	396,144	-	3,122,247	688,680	296,829	72,755	9,384,367		
2017-09-01	2017	224,191	142,212	3,301,112	1,578,484	355,296	-	2,885,180	441,869	228,519	156	9,157,019		
2017-10-01	2017	187,466	121,951	3,580,924	1,689,857	424,440	-	2,981,671	504,953	258,416	1	9,749,678		
2017-11-01	2017	118,879	84,879	4,720,614	2,057,674	498,768	-	3,470,593	735,930	449,138	16,343	12,152,819		
2017-12-01	2017	127,044	95,183	5,254,802	2,145,299	640,680	-	4,346,442	939,265	741,796	0	14,290,871		

Jan-18	2018	127,151	97,435	6,324,425	2,458,987	658,776		4,698,502	1,100,708	795,368	39,119	16,300,472	1,713,383
Feb-18	2018	132,009	132,009	5,316,025	1,945,295	659,544		3,931,385	853,070	571,692	-	77,201	13,463,828
Mar-18	2018	118,170	89,494	4,963,909	1,719,248	612,456		4,151,465	850,908	526,003	-	267,537	12,764,117
Apr-18	2018	118,809	76,922	3,753,316	1,095,587	516,096		3,608,212	644,157	419,727		88,983	10,321,809
May-18	2018	159,544	101,775	2,196,625	823,660	454,104		3,022,386	372,059	207,874		91,058	7,429,086
Jun-18	2018	185,630	109,824	1,854,230	818,137	416,208		2,881,397	356,955	207,082	-	57,504	6,771,958
Jul-18	2018	328,552	175,357	2,363,885	1,460,315	394,992		3,127,749	399,618	216,045		179,273	8,645,786
Aug-18	2018	322,403	192,948	2,447,517	1,597,089	402,720		3,326,303	418,971	245,052		-	8,953,004
Sep-18	2018	215,825	142,487	2,212,311	1,322,361	346,080		2,881,191	325,458	192,179	-	22,183	7,615,708
Oct-18	2018	142,150	115,067	3,009,223	1,632,725	453,240		3,297,624	506,034	297,951	-	259,172	9,194,842
Nov-18	2018	117,954	119,649	4,318,858	1,793,773	540,000		3,794,179	773,104	505,650		1,221	11,964,388
Dec-18	2018	121,969	128,933	5,518,855	2,368,969	649,632		4,597,884	1,113,335	775,510	-	81,800	15,191,287
Jan-19	2019	107,079	109,949	5,717,389	2,268,406	657,432		4,850,838	1,111,019	798,466	-	175,756	15,444,822
Feb-19	2019	96,217	101,547	5,524,595	2,068,789	628,560		4,551,873	1,066,407	754,142		3,229	14,795,359
Mar-19	2019	75,331	70,848	3,948,961	1,588,865	584,208		4,438,051	913,455	661,218		0	12,280,938
Apr-19	2019	34,729	26,842	1,767,392	1,032,546	501,600		3,658,486	655,475	439,753	-	0	8,116,822
May-19	2019	35,499	28,657	1,473,298	807,728	470,016		3,443,427	545,907	327,676		606	7,132,814
Jun-19	2019	148,441	74,272	1,403,077	842,469	304,512		2,992,194	382,323	216,269		-	6,363,556
Jul-19	2019	263,171	136,687	2,188,639	1,228,239	394,992		3,214,956	433,192	232,072	-	26,604	8,065,344
Aug-19	2019	262,317	132,472	2,172,553	1,299,770	396,168		3,193,498	414,098	243,368		91,464	8,205,708
Sep-19	2019	192,655	103,262	2,222,394	1,133,886	352,080		2,836,625	346,482	204,881		32,032	7,424,296
Oct-19	2019	152,380	72,989	2,839,571	1,482,776	451,032		3,287,060	493,839	282,717	-	52,695	9,009,668
Nov-19	2019	113,425	66,279	3,988,661	1,531,667	504,600		3,794,179	746,803	460,300	-	57,524	11,148,391
Dec-19	2019	111,205	64,347	5,079,875	2,012,282	615,576		4,445,891	1,010,850	712,471		195,667	14,248,165
Jan-20	2020	107,079	109,949	5,717,389	2,268,406	657,432	-	4,850,838	1,111,019	798,466		605,203	5,456,041
Feb-20	2020	96,217	101,547	5,524,595	2,068,789	628,560	-	4,339,634	1,066,407	754,142	-	139,117	4,200,517
Mar-20	2020	75,331	70,848	3,948,961	1,588,865	584,208	-	4,267,145	913,455	661,218		-	4,267,145
Apr-20	2020	34,729	26,842	1,767,392	1,032,546	501,600	-	3,599,065	655,475	439,753		-	3,599,065
May-20	2020	35,499	28,657	1,473,298	807,728	470,016	-	3,097,901	545,907	327,676		-	3,097,901
Jun-20	2020	148,441	74,272	1,403,077	842,469	304,512	-	2,747,424	382,323	216,269		-	2,747,424
Jul-20	2020	263,171	136,687	2,188,639	1,228,239	394,992	-	2,904,850	433,192	232,072		-	2,904,850
Aug-20	2020	262,317	132,472	2,172,553	1,299,770	396,168	-	2,999,484	414,098	243,368		-	2,999,484
Sep-20	2020	192,655	103,262	2,222,394	1,133,886	352,080	-	2,753,338	346,482	204,881		-	2,753,338
Oct-20	2020	152,380	72,989	2,839,571	1,482,776	451,032	-	3,117,502	493,839	282,717		-	3,117,502
Nov-20	2020	113,425	66,279	3,988,661	1,531,667	504,600	-	3,469,149	746,803	460,300		-	3,469,149
Dec-20	2020	111,205	64,347	5,079,875	2,012,282	615,576	-	4,101,741	1,010,850	712,471		-	4,101,741

Jan-21	2021		107,079	109,949	5,717,389	2,268,406		-	4,614,665	1,111,019	798,466		4,614,665	3,999,787					
Feb-21	2021		96,217	101,547	5,524,595	2,068,789		-	4,288,671	1,066,407	754,142		4,288,671	3,504,015					
Mar-21	2021		75,331	70,848	3,948,961	1,588,865		-	4,362,673	913,455	661,218		4,362,673	139,158					
Apr-21	2021		34,729	26,842	1,767,392	1,032,546		-	3,355,395	655,475	439,753		3,355,395	1,651,773					
May-21	2021		35,499	28,657	1,473,298	807,728		-	2,965,991	545,907	327,676		2,965,991	2,463,605					
Jun-21	2021		148,441	74,272	1,403,077	842,469		-	2,771,082	382,323	216,269		2,771,082	1,945,060					
Jul-21	2021		263,171	136,687	2,188,639	1,228,239		-	2,952,304	433,192	232,072		2,952,304	2,886,500					
Aug-21	2021		262,317	132,472	2,172,553	1,299,770		-	3,078,094	414,098	243,368		3,078,094	3,494,778					
Sep-21	2021		192,655	103,262	2,222,394	1,133,886		-	2,883,736	346,482	204,881		2,883,736	2,182,660					
Oct-21	2021		152,380	72,989	2,839,571	1,482,776		-	3,058,493	493,839	282,717		3,058,493	3,284,140					
Nov-21	2021		113,425	66,279	3,988,661	1,531,667		-	3,623,617	746,803	460,300		3,623,617	2,273,078					
Dec-21	2021		111,205	64,347	5,079,875	2,012,282		-	4,289,290	1,010,850	712,471		4,289,290	1,902,424					
Jan-22	2022		107,079	109,949	5,717,389	2,268,406		-	4,870,852	1,111,019	798,466		4,870,852	1,999,058					
Feb-22	2022		96,217	101,547	5,524,595	2,068,789		-	4,259,305	1,066,407	754,142		4,259,305	1,814,661					
Mar-22	2022		75,331	70,848	3,948,961	1,588,865		-	4,191,080	913,455	661,218		4,191,080	1,661,283					
Apr-22	2022		34,729	26,842	1,767,392	1,032,546		-	3,319,425	655,475	439,753		3,319,425	1,935,576					
May-22	2022		35,499	28,657	1,473,298	807,728		-	2,875,689	545,907	327,676		2,875,689	2,328,511					
Jun-22	2022		148,441	74,272	1,403,077	842,469		-	2,633,945	382,323	216,269		2,633,945	3,434,768					
Jul-22	2022		263,171	136,687	2,188,639	1,228,239		-	2,918,949	433,192	232,072		2,918,949	2,533,158					
Aug-22	2022		262,317	132,472	2,172,553	1,299,770		-	2,985,316	414,098	243,368		2,985,316	3,419,283					
Sep-22	2022		192,655	103,262	2,222,394	1,133,886		-	2,684,219	346,482	204,881		2,684,219	3,140,888					
Oct-22	2022		152,380	72,989	2,839,571	1,482,776		-	2,871,631	493,839	282,717		2,871,631	2,803,850					
Nov-22	2022		113,425	66,279	3,988,661	1,531,667		-	3,352,162	746,803	460,300		3,352,162	1,332,056					
Dec-22	2022		111,205	64,347	5,079,875	2,012,282		-	4,128,357	1,010,850	712,471		4,128,357	1,689,054					
Jan-23	2023		102,690	54,475	5,197,146	2,514,272		-	4,241,836	1,015,911	771,607		-	13,897,936	2,830,482				
Feb-23	2023		118,998	67,662	6,243,575	2,633,055		-	4,304,697	1,151,856	891,593	-	0	15,411,436	1,905,718				
Mar-23	2023		113,168	57,488	5,364,930	2,492,221		-	4,225,674	1,032,282	744,969		104,472	14,135,204	1,697,936				
Apr-23	2023		101,496	57,401	3,450,584	1,647,550		-	3,195,424	638,953	433,451	-	1,538,388	7,986,471	2,212,742				
May-23	2023		101,496	57,401	3,450,584	1,658,450		-	2,958,907	651,774	433,451		23,720	9,335,782	1,743,813				
Jun-23	2023		200,685	97,645	1,972,345	1,422,276		-	2,781,192	432,966	265,437	-	1,335,337	5,837,208	2,980,977				
Jul-23	2023		294,373	135,836	2,383,180	1,518,795		-	3,135,315	519,198	291,707		29,033	8,307,437	3,977,531				
Aug-23	2023		247,049	117,940	2,120,575	1,315,101		-	2,985,316	460,021	278,374		359,716	7,884,092	2,932,945				
Sep-23	2023		243,081	94,255	2,360,786	1,350,490		-	2,909,664	415,453	247,978	-	193,961	7,427,746	3,042,842				
Oct-23	2023		184,170	74,782	2,610,621	1,424,188		-	2,855,744	479,246	269,476		136,067	8,034,294	2,846,706				
Nov-23	2023		121,662	34,436	4,168,097	1,893,738		-	3,738,265	966,797	605,592		36,114	11,564,701	2,182,336				
Dec-23	2023		110,801	36,203	4,980,545	2,422,371		-	4,259,236	1,183,504	796,749		21,057	13,810,465	1,977,450				

Jan-24	2024		108,268	32,132	6,146,303	2,607,048		-	4,857,785	1,356,642	976,615	-	204,996	15,879,796	2,061,369					
Feb-24	2024		100,164	27,803	5,736,305	2,447,258		-	4,423,952	1,169,793	858,739	-	1,028,052	13,735,962	1,160,952					
Mar-24	2024		113,437	35,394	5,569,251	2,169,928		-	4,100,228	911,803	723,525	-	1,626,151	11,997,416	1,256,060					
Apr-24	2024		127,765	45,812	3,713,630	1,746,558		-	3,282,081	581,834	454,091	-	987,452	8,964,319	1,905,638					
May-24	2024		157,397	51,728	2,393,880	1,527,706		-	2,873,351	320,152	294,467	-	655,999	6,962,682	3,622,920					
Jun-24	2024		211,641	51,728	1,943,012	1,425,124		-	2,613,312	259,516	220,910	-	822,454	5,902,789	2,476,276					
Jul-24	2024		341,930	143,513	2,809,033	1,521,739		-	2,878,715	341,044	259,202	-	654,630	7,640,545	2,800,009					
Aug-24	2024		268,467	132,454	2,268,206	967,390		-	2,891,232	358,508	269,205	-	244,326	6,911,136	3,463,922					
Sep-24	2024		243,798	110,226	2,481,404	887,082		-	2,599,725	299,673	210,147	-	45,202	6,786,852	2,691,775					
Oct-24	2024		168,731	70,637	2,771,380	1,427,127		-	2,892,706	462,538	291,877	-	140,422	7,944,573	2,173,273					
Nov-24	2024		130,668	63,957	4,103,496	1,832,936		-	3,357,586	766,042	502,299		29,791	10,786,776	1,169,301					
Dec-24	2024		99,429	51,539	5,170,977	2,193,627		-	4,418,120	1,294,819	872,131	-	213,516	13,887,126	2,191,963					
Jan-25	2025		108,404	50,888	6,406,321	2,632,314		-	5,081,274	1,532,751	1,119,679		640126.27	17,571,758	1,973,268					
Feb-25	2025		92,664	42,576	6,486,631	2,714,392		-	4,737,824	1,448,106	1,007,189		487602.51	17,016,984	1,341,586					
Mar-25	2025		109,970	48,997	4,799,830	1,782,550		-	4,239,438	945,240	713,052		-156105.1	12,482,972	1,975,289					
Apr-25	2025		127,765	45,812	3,713,630	1,746,558		-	4,024,409	581,834	454,091		0	10,694,099	1,905,638					
May-25	2025		157,397	51,728	2,393,880	1,527,706		-	2,305,359	320,152	294,467		0	7,050,689	1,239,583					
Jun-25	2025		211,641	51,728	1,943,012	1,425,124		-	2,436,896	259,516	220,910		0	6,548,827	1,633,171					
Jul-25	2025		341,930	143,513	2,809,033	1,521,739		-	3,059,966	341,044	259,202		0	8,476,426	2,800,009					
Aug-25	2025		268,467	132,454	2,268,206	967,390		-	3,032,274	358,508	269,205		0	7,296,504	3,463,922					
Sep-25	2025		341,930	143,513	2,809,033	1,521,739		-	2,824,584	341,044	259,202		-1184131.496	7,066,913	2,691,775					
Oct-25	2025		168,731	70,637	2,771,380	1,427,127		-	2,873,045	462,538	291,877		0.2	8,065,335	2,173,273					
Nov-25	2025		130,668	63,957	4,103,496	1,832,936		-	3,298,879	766,042	502,299		-1161921.045	9,536,357	1,222,875					
Dec-25	2025		99,429	51,539	5,170,977	2,193,627		-	4,926,961	1,294,819	872,131		0	14,609,483	1,169,301					
Jan-26	2026		108,404	50,888	6,406,321	2,632,314		-	5,081,274	1,532,751	1,119,679			17,571,758	9,080,501					
Feb-26	2026		92,664	42,576	6,486,631	2,714,392		-	4,737,824	1,448,106	1,007,189			17,016,984	7,541,610					
Mar-26	2026		109,970	48,997	4,799,830	1,782,550		-	4,239,438	945,240	713,052			12,482,972	6,038,053					
Apr-26	2026		127,765	45,812	3,713,630	1,746,558		-	4,024,409	581,834	454,091			10,694,099	5,413,011					
May-26	2026		157,397	51,728	2,393,880	1,527,706		-	2,305,359	320,152	294,467			7,050,689	4,959,240					
Jun-26	2026		211,641	51,728	1,943,012	1,425,124		-	2,436,896	259,516	220,910			6,548,827	4,777,866					
Jul-26	2026		341,930	143,513	2,809,033	1,521,739		-	3,059,966	341,044	259,202			8,476,426	6,676,369					
Aug-26	2026		268,467	132,454	2,268,206	967,390		-	3,032,274	358,508	269,205			7,296,504	7,314,328					
Sep-26	2026		341,930	143,513	2,809,033	1,521,739		-	2,824,584	341,044	259,202			7,066,913	6,375,685					
Oct-26	2026		168,731	70,637	2,771,380	1,427,127		-	2,873,045	462,538	291,877			8,065,335	5,370,636					
Nov-26	2026		130,668	63,957	4,103,496	1,832,936		-	3,298,879	766,042	502,299			9,536,357	5,497,111					
Dec-26	2026		99,429	51,539	5,170,977	2,193,627		-	4,926,961	1,294,819	872,131			14,609,483	9,525,692					

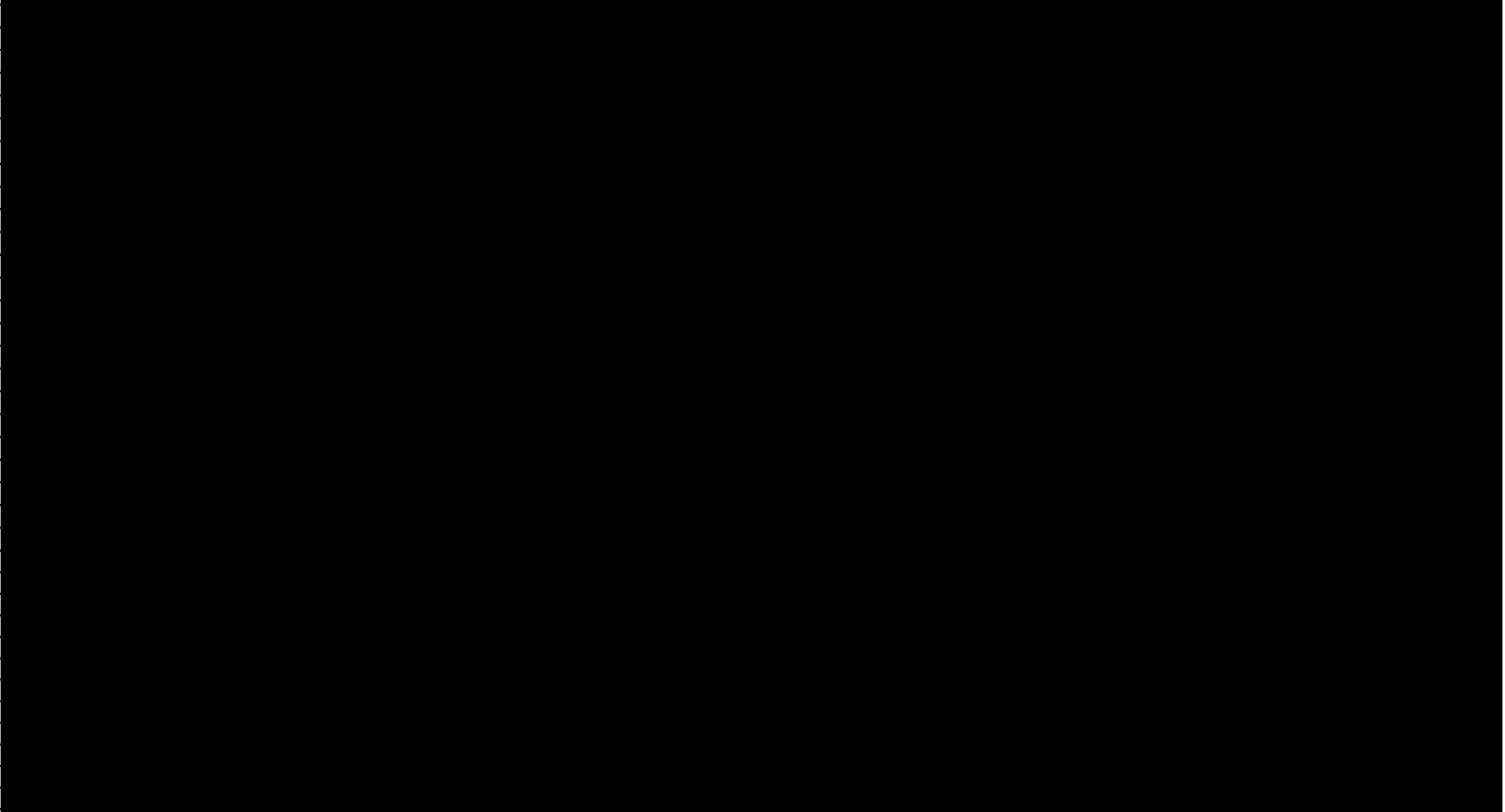
1000000	GR	GRN	GR	GRN	GR	GR	GR	LF	LF	LF	LF	LF	LF			
1000																
	Year	GR						LF						GR & LF		
							Unallocated	GR				Unallocated	LF			
2015-01-01	2015	5,225	-	48,743	32,297	-	158,683	13,000	-	-	1,558,356	-	1,715,260	-	2,134,508	419,248
2015-02-01	2015	66,152	-	67,392	451,866	-	158,683	-	-	-	6,452	-	285,492	-	2,535,965	2,821,457
2015-03-01	2015	15,640	-	28,907	303,167	-	158,683	-	-	-	28,153	-	159,369	-	2,240,678	2,416,480
2015-04-01	2015	6	-	183,227	386,743	-	7,036	-	-	-	131,786	-	328,272	-	1,477,375	1,806,390
2015-05-01	2015	425,004	-	273,212	1,460,922	-	8,489	2,908	-	-	136,487	-	1,743,620	-	440,075	2,280,293
2015-06-01	2015	362,226	-	18,450	3,092,253	-	9,557	6,744	-	-	23,754	-	3,409,462	-	18,438	3,497,976
2015-07-01	2015	395,252	-	74,525	110,556	-	9,557	6,744	-	-	270,899	-	699,369	-	1,260,626	2,030,071
2015-08-01	2015	275,798	-	18,446	-	-	-	-	-	-	154,725	-	412,077	-	1,921,625	2,558,053
2015-09-01	2015	328,110	-	18,478	19,032	-	7,494	184,050	-	-	60,941	-	566,162	-	1,175,656	2,007,987
2015-10-01	2015	485,251	-	55,334	38,856	-	-	-	-	-	-	-	468,773	-	573,790	1,492,782
2015-11-01	2015	75,952	-	75,894	22,894	-	-	-	-	-	49,409	-	26,456	-	1,375,777	1,781,177
2015-12-01	2015	-	-	153,211	219,420	-	-	-	-	-	35,598	-	101,807	-	990,572	1,435,482
2016-01-01	2016	73,114	-	60,104	35,987	-	593,857	-	-	-	616,159	-	1,161,019	-	2,907,190	3,329,798
2016-02-01	2016	-	-	83,929	762,976	-	116,541	1,978	-	-	310,263	-	874,747	-	1,799,645	2,927,969
2016-03-01	2016	-	-	110,338	68,346	-	-	-	-	-	25,598	-	16,394	-	583,836	753,788
2016-04-01	2016	74,992	-	146,268	213,809	-	13,099	446	-	-	48,371	-	81,509	-	103,089	318,832
2016-05-01	2016	496,040	-	141,996	22,773	-	79,654	5,954	-	-	55,281	-	247,836	-	992,003	1,380,559
2016-06-01	2016	382,055	-	105,807	-	-	29,341	267,771	-	-	324,105	-	838,783	-	405,029	1,624,762
2016-07-01	2016	363,291	-	73,569	507,754	-	-	-	-	-	-	-	797,476	-	1,053,315	2,499,512
2016-08-01	2016	416,542	-	45,954	643,832	-	9,308	148,481	-	-	16,354	-	1,169,947	-	1,222,429	3,580,433
2016-09-01	2016	398,116	-	70,816	5,434,321	-	-	2,243,953	-	-	-	-	8,005,574	-	200,037	9,069,507
2016-10-01	2016	418,549	-	275,501	2,484,022	-	-	2,546,252	-	-	0	-	5,173,322	-	459,030	6,319,894
2016-11-01	2016	5,082	-	229,578	3,337,458	-	-	20,000	-	-	51	-	3,132,911	-	980,908	6,158,256
2016-12-01	2016	-	-	299,768	374,315	-	274,527	30,000	-	-	-	-	169,980	-	1,320,980	2,317,163
2017-01-01	2017	22,117	-	273,372	96,168	-	59,756	-	-	-	-	-	214,843	-	425,082	1,225,436
2017-02-01	2017	-	-	159,879	1,815,869	-	32,089	56,942	-	-	-	-	1,680,843	-	945,969	3,322,683
2017-03-01	2017	-	-	229,965	146,456	-	21,560	-	-	-	-	-	105,069	-	353,415	601,770
2017-04-01	2017	79,680	-	187,355	-	-	2,643	-	-	-	-	-	110,318	-	274,848	536,523
2017-05-01	2017	482,528	-	182,316	-	-	-	824,000	-	-	0	-	1,124,212	-	295,633	1,672,396
2017-06-01	2017	433,388	-	206,428	545,478	-	645	314,000	-	-	0	-	1,085,793	-	376,026	1,649,687
2017-07-01	2017	315,811	-	34,757	22,992	-	912	50,000	-	-	0	-	353,134	-	631,640	1,207,132
2017-08-01	2017	199,821	-	62,168	-	-	82,422	21,000	-	-	45	-	76,276	-	1,132,094	1,487,386
2017-09-01	2017	151,234	-	52,258	-	-	2,519	24,000	-	-	0	-	120,458	-	1,129,205	1,572,344
2017-10-01	2017	40,098	-	106,236	1,680,871	-	-	333,052	-	-	0	-	1,947,785	-	94,809	2,376,944
2017-11-01	2017	204,854	-	109,200	5,821,060	-	8,212	73,258	-	-	-	-	5,981,760	-	1,992,245	8,366,537
2017-12-01	2017	19,055	-	150,804	-	-	331,045	146,000	-	-	-	-	316,794	-	1,693,009	1,703,632



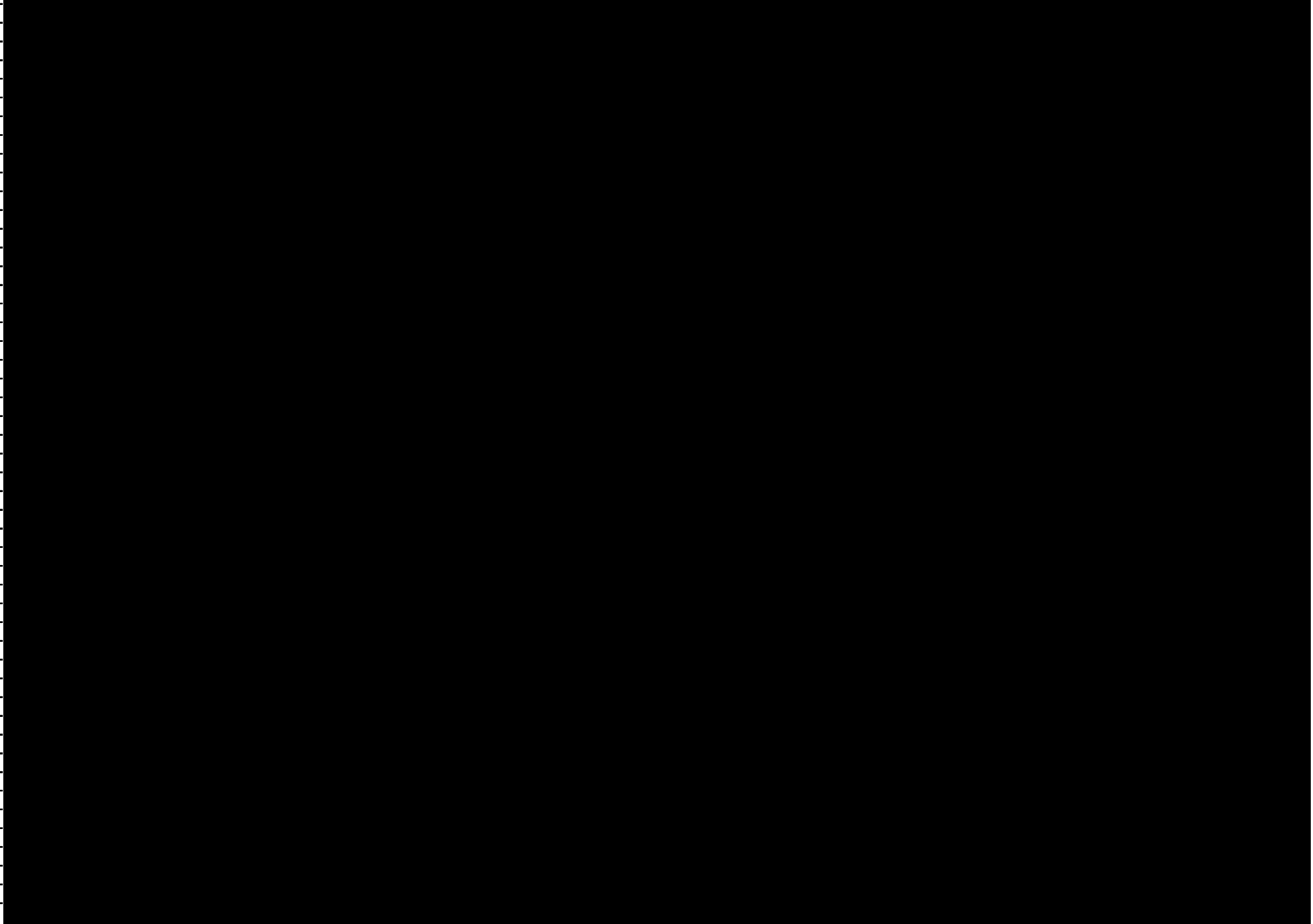
Jan-18	2018	-	-	58,562	-	-	147,817	7,589	-	-	341,176	-	539,966	-	845,469	345,973	-	1,191,442	651,476
Feb-18	2018	-	-	164,281	-	-	-	-	-	-	-	-	164,281	-	628,751	266,233	-	894,984	730,703
Mar-18	2018	-	-	263,422	-	-	-	-	-	-	-	-	263,422	-	441,202	286,762	-	727,964	464,542
Apr-18	2018	-	-	274,445	265,282	-	-	-	-	43,531	-	34,368	-	-	768,165	179,808	-	947,973	982,341
May-18	2018	252,116	-	453,499	39,400	-	-	159,200	-	-	-	-	2,783	-	217,948	64,584	-	282,532	279,749
Jun-18	2018	357,761	-	470,197	-	-	909	134,115	-	-	-	-	20,770	-	140,355	190,502	-	330,857	351,627
Jul-18	2018	49,230	-	263,354	-	-	909	134,115	-	-	-	-	80,918	-	1,681,804	190,502	-	1,872,306	1,791,388
Aug-18	2018	9,636	-	152,382	101,613	-	373	8,584	-	-	76,346	-	109,268	-	1,835,579	361,748	-	2,197,327	2,088,059
Sep-18	2018	9,636	-	501,895	290,693	-	-	363,000	-	-	507	-	161,941	-	114,377	456,226	-	570,603	732,544
Oct-18	2018	98,293	-	250,846	1,238,384	-	41,164	-	-	298,619	-	1,343,286	-	-	406,782	646,815	-	1,053,597	2,396,883
Nov-18	2018	285,911	-	167,170	762,856	-	19,934	70,089	-	-	-	-	931,752	-	2,009,616	397,688	-	2,407,304	3,339,056
Dec-18	2018	4,498	-	59,649	8,210,066	-	431,996	1,808	-	-	1,848,000	-	5,876,727	-	457,777	248,494	-	706,271	6,582,998
Jan-19	2019	19,266	-	281,139	85,176	-	95,287	-	-	-	-	-	271,984	-	756,466	207,040	-	963,506	691,522
Feb-19	2019	10	-	90,494	-	-	1,415	-	-	-	-	-	91,899	-	752,216	122,605	-	874,821	782,922
Mar-19	2019	381,760	-	239,277	-	-	4,946	5,000	-	-	10	-	142,527	-	338,311	239,924	-	578,235	720,762
Apr-19	2019	527,233	-	290,651	1,333,062	-	-	9,000	-	-	-	-	1,578,644	-	1,026,797	87,251	-	1,114,048	2,692,692
May-19	2019	470,444	-	311,295	1,035,240	-	2,651	102,298	-	-	-	-	1,294,036	-	616,394	89,968	-	706,362	2,000,398
Jun-19	2019	420,776	-	149,784	2,956,729	-	12,244	6,000	-	-	216	-	3,221,261	-	724,930	130,058	-	854,988	4,076,249
Jul-19	2019	354,585	-	206,293	443,107	-	1,752	11,857	-	-	-	-	601,504	-	832,675	169,623	-	1,002,298	1,603,802
Aug-19	2019	228,392	-	160,826	-	-	-	-	-	-	10,000	-	57,566	-	896,030	267,477	-	1,163,507	1,221,073
Sep-19	2019	402,259	-	393,501	-	-	65,903	1,851,410	-	-	321,652	-	2,115,917	-	76,220	147,234	-	223,454	2,339,371
Oct-19	2019	357,332	-	395,447	-	-	589	-	-	-	-	-	38,704	-	1,580,720	365,321	-	1,946,041	1,907,337
Nov-19	2019	64,786	-	512,066	-	-	40,861	134,000	-	-	-	-	354,141	-	172,293	333,010	-	505,303	151,162
Dec-19	2019	163,412	-	139,515	-	-	562,735	-	-	-	-	-	538,838	-	727,674	132,704	-	860,378	321,540
Jan-20	2020	-	-	186,781	101,193	-	137,023	-	-	-	-	-	222,611	-	967,067	50,806	-	1,017,873	795,262
Feb-20	2020	24,775	-	200,093	-	-	13,781	47,000	-	-	-	-	142,099	-	-	140,358	-	140,358	1,741
Mar-20	2020	194,610	-	1,116,174	-	-	5,002	-	-	-	-	-	926,566	-	-	214,911	-	214,911	711,655
Apr-20	2020	433,623	-	686,605	757,155	-	-	-	-	-	-	-	504,173	-	1,931	166,568	-	168,499	672,672
May-20	2020	194,610	-	-	-	-	5,002	-	-	717,957	-	528,349	-	-	-	214,911	-	214,911	313,438
Jun-20	2020	268,329	-	-	-	-	169	-	-	395,798	-	663,958	-	-	265,759	-	-	265,759	929,717
Jul-20	2020	172,547	-	-	-	-	334	-	-	0	-	172,213	-	-	599,047	-	-	599,047	771,260
Aug-20	2020	-	-	-	-	-	11,905	13,666	-	0	-	1,761	-	-	858,679	-	-	858,679	860,440
Sep-20	2020	156,922	-	-	-	-	8,889	368,000	-	-	-	516,033	-	-	-	894,581	-	894,581	1,410,614
Oct-20	2020	372,352	-	-	-	-	66	-	-	8,889	-	381,174	-	-	1,105,993	-	-	1,105,993	1,487,167
Nov-20	2020	359,018	-	-	-	-	572	-	-	-	-	358,446	-	-	1,089,540	-	-	1,089,540	1,447,986
Dec-20	2020	307,774	-	-	-	-	214,908	10,000	-	-	-	102,866	-	-	-	799,026	-	799,026	901,892

Jan-21	2021	-	-	-	-	5,719	-	-	-	-	-	5,719	-	-	752,477			752,477			746,758	
Feb-21	2021	62,124	-	-	-	7,904	-	-	-	-	-	-	-	-	54,220	-	-	528,038			582,258	
Mar-21	2021	100,244	-	-	-	-	55,104	-	-	-	-	-	-	-	155,348	-	-	302,001			457,349	
Apr-21	2021	27,124	-	-	-	-	-	-	-	-	-	-	-	-	81,823	-	-	376,962			458,785	
May-21	2021	12,260	-	-	-	4,409	-	-	-	-	-	-	-	-	7,851	-	-	379,939			387,790	
Jun-21	2021	230,756	-	-	-	3,540	12,904	-	-	-	-	-	-	-	240,120	-	-	603,057			843,177	
Jul-21	2021	34,896	-	-	-	-	1,358,393	-	-	-	-	-	-	-	1,446,408	-	-	642,383			2,088,791	
Aug-21	2021	0	-	-	-	-	2,315,000	-	-	-	-	-	-	-	2,313,453	-	-	752,954			3,066,407	
Sep-21	2021	0	-	-	-	6,490	24,558	-	-	-	-	-	-	-	18,068	-	-	597,554			615,622	
Oct-21	2021	238,600	-	-	-	-	-	-	-	-	-	-	-	-	231,309	-	-	494,289			725,598	
Nov-21	2021	470,328	-	-	-	-	15,000	-	-	-	-	-	-	-	485,328	-	-	779,587			1,264,915	
Dec-21	2021	219,441	-	-	-	275,315	538,021	-	-	-	-	-	-	-	482,147	-	-	442,116			924,263	
Jan-22	2022	-	-	-	-	40,497	-	-	-	-	-	-	-	-	573,715	-	-	339,452		-	234,263	
Feb-22	2022	282,064	-	-	-	116	4,000	-	-	-	-	-	-	-	285,948	-	-	151,533			437,481	
Mar-22	2022	557,349	-	-	-	173,299	-	-	-	-	-	-	-	-	384,050	-	-	74,356			458,406	
Apr-22	2022	487,171	-	-	-	619	28,998	-	-	-	-	-	-	-	515,550	-	-	70,874			586,424	
May-22	2022	419,090	-	-	-	-	27,956	-	-	-	-	-	-	-	447,046	-	-	74,896			521,942	
Jun-22	2022	304,053	-	-	-	-	522,982	-	-	-	-	-	-	-	827,035	-	-	231,203			1,058,238	
Jul-22	2022	225,622	-	-	-	-	-	-	-	-	-	-	-	-	225,622	-	-	354,924			580,546	
Aug-22	2022	-	-	-	-	-	127,418	-	-	-	-	-	-	-	127,418	-	-	773,177			900,595	
Sep-22	2022	194,684	-	-	-	922	293,116	-	-	-	-	-	-	-	359,460	-	-	879,607			1,239,067	
Oct-22	2022	313,764	-	-	-	-	16,000	-	-	-	-	-	-	-	665,325	-	-	1,512,263			2,177,588	
Nov-22	2022	46,814	-	-	-	35,153	84,265	-	-	-	-	-	-	-	95,926	-	-	1,393,035			1,488,961	
Dec-22	2022	263,501	-	-	-	222,987	1,715,860	-	-	-	-	-	-	-	1,756,374	-	-	445,103			2,201,477	
Jan-23	2023	623,773	-	-	-	1,943	58,000	-	-	-	-	-	-	-	679,830	-	-	475,947			1,155,777	
Feb-23	2023	286,943	-	-	-	36,455	12,160	-	-	-	-	-	-	-	262,648	-	-	164,206			426,854	
Mar-23	2023	212,507	-	-	-	-	35,000	-	-	-	-	-	-	-	247,507	-	-	546,949			794,456	
Apr-23	2023	-	-	-	-	6,351	162,539	-	-	-	-	-	-	-	156,188	-	-	630,993			787,181	
May-23	2023	-	-	-	-	4,105	10,000	-	-	-	-	-	-	-	5,895	-	-	1,030,590			1,036,485	
Jun-23	2023	237,322	-	-	-	336	27,314	-	-	-	-	-	-	-	237,322	-	-	1,223,693			1,250,671	
Jul-23	2023	-	-	-	-	-	757,317	-	-	-	-	-	-	-	197,625	-	-	954,942			1,505,940	
Aug-23	2023	4,634	-	-	-	-	2,225,169	-	-	-	-	-	-	-	237,738	-	-	1,992,065			2,584,085	
Sep-23	2023	-	-	-	-	15,213	2,102,067	-	-	-	-	-	-	-	321,108	-	-	1,765,746			1,996,023	
Oct-23	2023	-	-	-	-	6,794	2,401,739	-	-	-	-	-	-	-	76,768	-	-	2,471,713			2,660,347	
Nov-23	2023	1	-	-	-	-	2,214,308	-	-	-	-	-	-	-	121,057	-	-	2,335,366			2,769,847	
Dec-23	2023	3,456	-	-	-	589,768	1,426,000	-	-	-	-	-	-	-	402,245	-	-	235,976			1,477,909	

Jan-24	2024	297,358	-	-	-	100,213	16,664	-	-	213,809	-	-	25,530			25,530		239,339	
Feb-24	2024	3,183	-	-	-	2,969	-	-	1,332	-	1,118	-	-	77,013		77,013		75,895	
Mar-24	2024	3,447	-	-	-	6,980	153,000	-	-	3	149,464	-	-	30,553		30,553		180,017	
Apr-24	2024	204,535	-	-	-	254,146	8,100	-	1,910	-	39,601	-	-	4,416		4,416	-	35,185	
May-24	2024	198,503	-	-	-	5,500	7,244	-	9,498	-	190,749	-	-	140,295		140,295		331,044	
Jun-24	2024	193,264	-	-	-	-	2,000	-	1	-	195,263	-	-	583,902		583,902		779,165	
Jul-24	2024	63,574	-	-	-	1,343	285,000	-	-	-	347,231	-	-	775,341		775,341		1,122,572	
Aug-24	2024	3,121	-	-	-	-	3,683,260	-	136,865	-	3,823,246	-	-	-		-		3,823,246	
Sep-24	2024	-	-	-	-	-	3,577,129	-	-	-	3,577,129	-	-	-		-		3,577,129	
Oct-24	2024	466,260	-	-	-	-	3,717,096	-	3,219	-	4,186,575	-	-	-	1	-	1	4,186,574	
Nov-24	2024	175,027	-	-	-	18,626	72,000	-	6,645	-	221,756	-	-	1,709,539		1,709,539		1,931,295	
Dec-24	2024	3,444	-	-	-	190,066	-	-	1,087	-	185,535	-	-	1,123,571		1,123,571		938,036	
Jan-25	2025	3,396	-	-	-	69,590	17,000	-	12	-	49,206	-	-	738,002		738,002		688,796	
Feb-25	2025	3,096	-	-	-	169	-	-	237,304	-	240,231	-	-	932,750		932,750		1,172,981	
Mar-25	2025	3,420	-	-	-	16,783	-	-	463,003	-	449,640	-	-	925,260		925,260		1,374,900	
Apr-25	2025	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	4,416		4,416	-	238,371	
May-25	2025	3,259	-	-	-	18,228	6,080	-	16,811	-	25,699	-	-	85,143		85,143		59,444	
Jun-25	2025	81,540	-	-	-	36,455	12,160	-	37,511	-	94,755	-	-	164,206		164,206		258,961	
Jul-25	2025	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	775,341		775,341		1,568,254	
Aug-25	2025	3,510	-	-	-	-	3,683,260	-	461,309	-	4,148,079	-	-	-		-		4,148,079	
Sep-25	2025	3,137	-	-	-	-	3,577,129	-	373	-	3,579,893	-	-	-		-		3,579,893	
Oct-25	2025	3,137	-	-	-	-	3,717,096	-	52	-	3,720,181	-	-	-		-		3,720,181	
Nov-25	2025	397,112	-	-	-	18,626	72,000	-	4,747,467	-	5,197,952	-	-	-		-		5,197,952	
Dec-25	2025	397,112	-	-	-	190,066	-	-	5,170,146	-	4,963,100	-	-	1,123,571		1,123,571	-	3,839,529	
Jan-26	2026	3,396	-	-	-	69,590	17,000	-	-	-	49,194	-	-	738,002		738,002		688,808	
Feb-26	2026	3,096	-	-	-	169	-	-	-	-	2,927	-	-	932,750		932,750		935,677	
Mar-26	2026	3,420	-	-	-	16,783	-	-	-	-	13,363	-	-	925,260		925,260		911,897	
Apr-26	2026	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	4,416		4,416	-	238,371	
May-26	2026	3,259	-	-	-	18,228	6,080	-	-	-	8,888	-	-	85,143		85,143		76,255	
Jun-26	2026	81,540	-	-	-	36,455	12,160	-	-	-	57,245	-	-	164,206		164,206		221,451	
Jul-26	2026	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	775,341		775,341		1,568,254	
Aug-26	2026	3,510	-	-	-	-	3,683,260	-	-	-	3,686,770	-	-	-		-		3,686,770	
Sep-26	2026	3,137	-	-	-	-	3,577,129	-	-	-	3,580,266	-	-	-		-		3,580,266	
Oct-26	2026	3,137	-	-	-	-	3,717,096	-	-	-	3,720,233	-	-	-		-		3,720,233	
Nov-26	2026	397,112	-	-	-	18,626	72,000	-	-	-	450,486	-	-	-		-		450,486	
Dec-26	2026	397,112	-	-	-	190,066	-	-	-	-	207,046	-	-	1,123,571		1,123,571		1,330,617	



Jan-27	2027	3,396	-	-	-	69,590	17,000	-	-	-	49,194	-	-	-	738,002			738,002			688,808	
Feb-27	2027	3,096	-	-	-	169	-	-	-	-	2,927	-	-	-	932,750			932,750			935,677	
Mar-27	2027	3,420	-	-	-	16,783	-	-	-	-	13,363	-	-	-	925,260			925,260			911,897	
Apr-27	2027	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	-	4,416			4,416		-	238,371	
May-27	2027	3,259	-	-	-	18,228	6,080	-	-	-	8,888	-	-	-	85,143			85,143			76,255	
Jun-27	2027	81,540	-	-	-	36,455	12,160	-	-	-	57,245	-	-	-	164,206			164,206			221,451	
Jul-27	2027	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	-	775,341			775,341			1,568,254	
Aug-27	2027	3,510	-	-	-	-	3,683,260	-	-	-	3,686,770	-	-	-	-			-			3,686,770	
Sep-27	2027	3,137	-	-	-	-	3,577,129	-	-	-	3,580,266	-	-	-	-			-			3,580,266	
Oct-27	2027	3,137	-	-	-	-	3,717,096	-	-	-	3,720,233	-	-	-	-			-			3,720,233	
Nov-27	2027	397,112	-	-	-	18,626	72,000	-	-	-	450,486	-	-	-	-			-			450,486	
Dec-27	2027	397,112	-	-	-	190,066	-	-	-	-	207,046	-	-	-	1,123,571			1,123,571			1,330,617	
Jan-28	2028	3,396	-	-	-	69,590	17,000	-	-	-	49,194	-	-	-	738,002			738,002			688,808	
Feb-28	2028	3,096	-	-	-	169	-	-	-	-	2,927	-	-	-	932,750			932,750			935,677	
Mar-28	2028	3,420	-	-	-	16,783	-	-	-	-	13,363	-	-	-	925,260			925,260			911,897	
Apr-28	2028	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	-	4,416			4,416		-	238,371	
May-28	2028	3,259	-	-	-	18,228	6,080	-	-	-	8,888	-	-	-	85,143			85,143			76,255	
Jun-28	2028	81,540	-	-	-	36,455	12,160	-	-	-	57,245	-	-	-	164,206			164,206			221,451	
Jul-28	2028	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	-	775,341			775,341			1,568,254	
Aug-28	2028	3,510	-	-	-	-	3,683,260	-	-	-	3,686,770	-	-	-	-			-			3,686,770	
Sep-28	2028	3,137	-	-	-	-	3,577,129	-	-	-	3,580,266	-	-	-	-			-			3,580,266	
Oct-28	2028	3,137	-	-	-	-	3,717,096	-	-	-	3,720,233	-	-	-	-			-			3,720,233	
Nov-28	2028	397,112	-	-	-	18,626	72,000	-	-	-	450,486	-	-	-	-			-			450,486	
Dec-28	2028	397,112	-	-	-	190,066	-	-	-	-	207,046	-	-	-	1,123,571			1,123,571			1,330,617	
Jan-29	2029	3,396	-	-	-	69,590	17,000	-	-	-	49,194	-	-	-	738,002			738,002			688,808	
Feb-29	2029	3,096	-	-	-	169	-	-	-	-	2,927	-	-	-	932,750			932,750			935,677	
Mar-29	2029	3,420	-	-	-	16,783	-	-	-	-	13,363	-	-	-	925,260			925,260			911,897	
Apr-29	2029	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	-	4,416			4,416		-	238,371	
May-29	2029	3,259	-	-	-	18,228	6,080	-	-	-	8,888	-	-	-	85,143			85,143			76,255	
Jun-29	2029	81,540	-	-	-	36,455	12,160	-	-	-	57,245	-	-	-	164,206			164,206			221,451	
Jul-29	2029	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	-	775,341			775,341			1,568,254	
Aug-29	2029	3,510	-	-	-	-	3,683,260	-	-	-	3,686,770	-	-	-	-			-			3,686,770	
Sep-29	2029	3,137	-	-	-	-	3,577,129	-	-	-	3,580,266	-	-	-	-			-			3,580,266	
Oct-29	2029	3,137	-	-	-	-	3,717,096	-	-	-	3,720,233	-	-	-	-			-			3,720,233	
Nov-29	2029	397,112	-	-	-	18,626	72,000	-	-	-	450,486	-	-	-	-			-			450,486	
Dec-29	2029	397,112	-	-	-	190,066	-	-	-	-	207,046	-	-	-	1,123,571			1,123,571			1,330,617	
Jan-30	2030	3,396	-	-	-	69,590	17,000	-	-	-	49,194	-	-	-	738,002			738,002			688,808	
Feb-30	2030	3,096	-	-	-	169	-	-	-	-	2,927	-	-	-	932,750			932,750			935,677	
Mar-30	2030	3,420	-	-	-	16,783	-	-	-	-	13,363	-	-	-	925,260			925,260			911,897	
Apr-30	2030	3,259	-	-	-	254,146	8,100	-	-	-	242,787	-	-	-	4,416			4,416		-	238,371	
May-30	2030	3,259	-	-	-	18,228	6,080	-	-	-	8,888	-	-	-	85,143			85,143			76,255	
Jun-30	2030	81,540	-	-	-	36,455	12,160	-	-	-	57,245	-	-	-	164,206			164,206			221,451	
Jul-30	2030	509,256	-	-	-	1,343	285,000	-	-	-	792,913	-	-	-	775,341			775,341			1,568,254	
Aug-30	2030	3,510	-	-	-	-	3,683,260	-	-	-	3,686,770	-	-	-	-			-			3,686,770	
Sep-30	2030	3,137	-	-	-	-	3,577,129	-	-	-	3,580,266	-	-	-	-			-			3,580,266	
Oct-30	2030	3,137	-	-	-	-	3,717,096	-	-	-	3,720,233	-	-	-	-			-			3,720,233	
Nov-30	2030	397,112	-	-	-	18,626	72,000	-	-	-	450,486	-	-	-	-			-			450,486	
Dec-30	2030	397,112	-	-	-	190,066	-	-	-	-	207,046	-	-	-	1,123,571			1,123,571			1,330,617	



Year 2036
PHP 2050
DSM DemandYear 2026

Forecast With DSM	31 Jan	28 Feb	31 Mar	30 Apr	31 May	30 Jun	31 Jul	31 Aug	30 Sep	31 Oct	30 Nov	31 Dec	Peak
Residential	1036.2	1143.6	1081.6	789.5	549.5	554.7	509.8	558.5	485.1	643.8	753.6	1106.0	1,144
ETS	190.1	239.8	239.8	156.4	160.9	147.1	119.1	153.1	108.9	148.4	141.9	318.0	240
Residential Total	1226.3	1383.4	1321.4	945.9	710.3	701.8	629.0	711.6	594.0	792.1	895.4	1424.0	1,383
Small General	85.8	104.4	100.4	74.3	64.4	70.5	66.4	55.4	61.0	74.3	73.2	96.8	104
General Demand	382.5	445.5	429.8	319.9	276.7	328.3	325.8	295.7	306.9	347.3	354.8	378.6	446
Large General	52.0	52.2	51.1	52.4	43.1	53.5	59.1	52.5	56.8	54.7	43.4	43.9	52
Commercial Total	520.3	602.2	581.3	446.5	384.3	452.3	451.3	403.6	424.8	476.4	471.3	519.3	602
Small Industrial	32.0	42.0	38.2	31.1	35.3	36.3	35.6	30.4	27.5	36.9	31.3	37.4	42
Medium Industrial	53.7	55.8	58.8	51.1	39.2	66.0	64.4	53.7	61.0	59.4	55.3	47.1	56
Large Industrial	15.4	17.5	14.9	15.2	12.5	12.3	14.1	12.4	13.8	14.5	12.7	14.4	18
L.I. Interruptible	79.7	88.1	80.9	84.9	83.6	79.9	87.3	79.4	93.9	79.4	85.7	71.1	88
GR & LF	0.2	1.7	0.4	-0.3	0.2	1.0	1.0	5.0	5.0	5.1	0.6	2.6	2
Industrial Total	181.0	205.1	193.2	181.9	170.8	195.6	202.4	180.8	201.2	195.3	185.6	172.5	205
													-
Municiple without PTP	43.0	51.5	47.5	29.0	25.0	20.1	22.5	21.4	22.6	29.0	32.8	40.5	51
Unmetered	7.3	3.6	1.4	1.7	2.2	1.9	2.0	1.5	1.6	1.2	13.7	10.7	4
Other Total	50.4	55.1	49.0	30.8	27.2	22.0	24.5	23.0	24.3	30.2	46.5	51.2	55
Firm Peak	1898.1	2155.9	2063.5	1520.6	1208.9	1290.8	1218.8	1234.6	1145.3	1409.5	1512.5	2093.4	2,156
System Peak	2043.0	2310.8	2279.9	1740.1	1427.7	1506.8	1442.1	1454.0	1379.2	1629.0	1733.8	2232.0	2,311
Transmission Losses													
Distribution Losses													
Firm Peak Losses	256.8	273.7	223.4	146.9	107.9	98.9	100.8	105.4	96.1	132.0	175.8	290.1	274
Total Losses	259.4	276.6	226.0	149.5	110.6	101.4	103.5	108.2	99.0	134.7	178.6	292.4	277
Losses % NSR													
Firm Peak	2155.0	2429.6	2287.0	1667.5	1316.9	1389.7	1319.6	1340.0	1241.4	1541.6	1688.3	2383.5	2,430
System Peak	2302.4	2587.3	2505.8	1889.6	1538.3	1608.2	1545.5	1562.2	1478.2	1763.7	1912.4	2524.5	2,587

Forecast With DSM	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Peak
Residential	994.6	1096.9	1036.4	755.4	521.7	525.7	481.9	530.3	458.4	611.9	719.0	1060.3	1,097
ETS	187.6	236.9	237.0	154.3	159.2	145.3	117.4	151.3	107.2	146.4	139.7	315.2	237
Residential Total	1182.1	1333.7	1273.4	909.7	680.8	671.0	599.3	681.6	565.6	758.3	858.7	1375.6	1,334
Small General	82.3	100.5	96.6	71.4	62.1	68.1	64.0	53.0	58.8	71.7	70.3	93.0	101
General Demand	354.8	414.4	399.7	297.2	258.2	309.0	307.2	277.0	289.1	326.1	331.8	348.2	414
Large General	49.8	49.7	48.6	50.5	41.6	52.0	57.6	51.0	55.4	53.0	41.5	41.4	50
Commercial Total	486.9	564.6	544.9	419.1	362.0	429.0	428.8	380.9	403.3	450.8	443.6	482.7	565
Small Industrial	31.1	40.9	37.2	30.4	34.7	35.6	35.0	29.7	26.9	36.2	30.6	36.4	41
Medium Industrial	52.0	53.8	56.9	49.6	38.1	64.8	63.2	52.6	59.9	58.1	53.8	45.2	54
Large Industrial	12.2	13.9	11.3	12.5	10.4	10.1	11.9	10.2	11.7	12.0	10.0	10.8	14
L.I. Interruptible	70.1	77.3	70.5	77.0	77.2	73.2	80.9	72.9	87.8	72.0	77.7	60.6	77
GR & LF	0.2	1.7	0.4	-0.3	0.2	1.0	1.0	5.0	5.0	5.1	0.6	2.6	2
Industrial Total	165.5	187.7	176.3	169.2	160.5	184.8	192.0	170.3	191.3	183.4	172.7	155.5	188
Municipe without PTP	42.5	50.9	47.0	28.6	24.7	19.8	22.2	21.1	22.3	28.6	32.4	40.0	51
Unmetered	7.3	3.6	1.4	1.7	2.2	1.9	2.0	1.5	1.6	1.2	13.7	10.7	4
Other Total	49.9	54.6	48.4	30.4	26.9	21.7	24.2	22.6	24.0	29.9	46.1	50.7	55
Firm Peak	1814.2	2061.6	1972.2	1451.7	1152.9	1232.2	1162.4	1177.6	1091.4	1345.2	1442.8	2001.3	2,062
System Peak	1949.5	2205.6	2178.1	1663.3	1365.2	1441.5	1379.3	1390.5	1319.2	1557.4	1656.1	2129.5	2,206
Transmission Losses													
Distribution Losses													
Firm Peak Losses	231.7	245.3	196.0	126.7	91.9	82.1	84.8	89.2	80.9	113.4	155.4	262.4	245
Total Losses	234.0	247.9	198.2	129.0	94.2	84.1	87.0	91.5	83.3	115.7	157.9	264.5	248
Losses % NSR													
Coincident Interruptible	137.6	146.6	208.1	213.9	214.6	211.3	219.1	215.2	230.2	214.4	215.8	130.3	147
Firm Peak	2045.9	2306.9	2168.2	1578.4	1244.8	1314.3	1247.2	1266.8	1172.3	1458.6	1598.2	2263.7	2,307
System Peak	2183.4	2453.5	2376.3	1792.3	1459.4	1525.6	1466.3	1482.0	1402.4	1673.1	1814.0	2394.0	2,454
Peak End Use before DSM													
Accrued	2447.8	2352.8	2035.9	1569.9	1283.9	1200.5	1326.5	1390.8	1212.3	1287.2	1746.9	2125.0	2,448
Solar	0.0	0.0	-9.6	-10.2	-98.1	-158.2	-157.4	-175.4	-137.4	-31.6	0.0	0.0	-
Res	-4.6	-4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.6	5
EV	170.9	167.1	158.2	161.7	142.0	131.5	123.0	124.6	131.4	146.1	139.1	158.8	171
C&I Growth	17.0	14.8	14.8	15.7	16.1	14.3	15.7	15.9	14.7	14.9	16.1	16.0	17
Large General	52.0	52.2	51.1	52.4	43.1	53.5	59.1	52.5	56.8	54.7	43.4	43.9	52
Large Industrial	15.4	17.5	14.9	15.2	12.5	12.3	14.1	12.4	13.8	14.5	12.7	14.4	15
L.I. Interruptible	79.7	88.1	80.9	84.9	83.6	79.9	87.3	79.4	93.9	79.4	85.7	71.1	80
GR & LF	0.2	1.7	0.4	-0.3	0.2	1.0	1.0	5.0	5.0	5.1	0.6	2.6	0
Municipal	43.0	51.5	47.5	29.0	25.0	20.1	22.5	21.4	22.6	29.0	32.8	40.5	43
System Peak	2886.4	2806.3	2529.1	2053.3	1643.4	1490.0	1626.7	1661.6	1548.3	1734.3	2212.2	2532.7	2,886
Coincident Interruptible	147.4	157.7	218.9	222.1	221.4	218.4	225.9	222.1	236.8	222.2	224.1	141.0	147
Firm Peak	2739.0	2648.6	2310.2	1831.2	1422.0	1271.6	1400.8	1439.4	1311.5	1512.1	1988.1	2391.6	2,739
Peak End Use after DSM													
System Peak	2765.2	2688.5	2423.0	1967.1	1574.4	1427.5	1558.4	1591.8	1483.3	1661.5	2119.3	2426.3	2,765
Coincident Interruptible	137.6	146.6	208.1	213.9	214.6	211.3	219.1	215.2	230.2	214.4	215.8	130.3	230
Firm Peak	2627.7	2541.9	2214.8	1753.2	1359.8	1216.2	1339.3	1376.6	1253.1	1447.0	1903.5	2296.1	2,628
DR Reduction	37.3	37.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	37
Adjusted Firm Peak	2590.3	2504.5	2214.8	1753.2	1359.8	1216.2	1339.3	1376.6	1253.1	1447.0	1903.5	2258.7	2,590

Engineering model profile based 2023 - 2025

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Residential	0.124	0.115	0.109	0.086	0.071	0.058	0.064	0.061	0.054	0.063	0.079	0.115	1.000
ETS	0.138	0.131	0.125	0.086	0.056	0.072	0.028	0.055	0.039	0.054	0.080	0.135	1.000
Small General	0.110	0.101	0.097	0.081	0.080	0.066	0.077	0.069	0.063	0.066	0.082	0.109	1.000
General Demand	0.101	0.092	0.092	0.080	0.076	0.072	0.084	0.079	0.069	0.074	0.087	0.093	1.000
Large General													
Small Industrial	0.094	0.087	0.083	0.079	0.084	0.088	0.089	0.080	0.066	0.070	0.084	0.098	1.000
Medium Industrial	0.087	0.079	0.083	0.076	0.058	0.093	0.094	0.092	0.086	0.077	0.090	0.087	1.000
Large Industrial													
L.I. Interruptible													
GR & LF													
Shore Power	0.000	0.000	0.000	0.000	0.045	0.045	0.180	0.131	0.295	0.304	0.000	0.000	1.000
PHP - LRT													
Municipal	0.130	0.120	0.113	0.071	0.067	0.048	0.063	0.061	0.058	0.066	0.090	0.114	1.000
Unmetered	0.082	0.090	0.079	0.083	0.098	0.076	0.085	0.074	0.085	0.074	0.094	0.080	1.000
TopUp	0.069	0.066	0.038	0.072	0.084	0.096	0.113	0.143	0.115	0.073	0.053	0.077	1.000
Loss Profile													
Transmission Loss pattern	12.9%	12.4%	11.6%	8.0%	6.7%	5.9%	6.2%	5.4%	5.2%	6.2%	9.2%	10.5%	100.0%
Distribution Loss pattern	11.2%	10.0%	10.4%	8.3%	7.2%	6.5%	6.9%	6.9%	6.5%	7.2%	8.5%	10.4%	100.0%

DSM Allocations amongst classes

	Energy	Demand
Residential	88.0%	88.0%
ETS	5.4%	5.4%
ResCPP	3.1%	3.1%
ResTOU	3.1%	3.1%
Small General	11.5%	10.3%
SGCPP	0.1%	0.1%
SGTOU	0.1%	0.1%
General Demand	75.5%	82.1%
GDCPP	0.1%	0.1%
GDTOU	0.1%	0.1%
Large General	11.9%	6.6%
Small Industrial	13.0%	9.6%
Medium Industrial	15.8%	18.0%
Large Industrial	17.8%	18.1%
L.I. Interruptible	52.8%	53.5%
RTP	0.0%	0.0%
GR & LF	0.0%	0.0%
Shore Power	0.0%	0.0%
PHP - LRT	0.0%	0.0%
Municipal - Res	0.4%	0.4%
Municipal - Com	0.6%	0.6%
Municipal - Ind	0.6%	0.8%
Unmetered	100.0%	100.0%

DSM Adjustment to account for DSM already captured in forecast

	Energy	Demand
Residential	53%	53.3%
ETS	53%	53.3%
Small General	54%	53.9%
General Demand	54%	53.9%
Large General	54%	53.9%
Small Industrial	54%	53.9%
Medium Industrial	54%	53.9%
Large Industrial	100%	100.0%
L.I. Interruptible	100%	100.0%
RTP	100%	100.0%
GR & LF	100%	100.0%
Shore Power	100%	100.0%
PHP - LRT	100%	100.0%
Municipal - Res	53%	53.3%
Municipal - Com	54%	53.9%
Municipal - Ind	54%	53.9%
Unmetered	100%	100.0%
Blended avg	58%	57.9%

Load Factors		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	from 2024 LS	76.83%	69.75%	62.13%	65.15%	71.96%	60.14%	71.24%	62.83%	67.95%	61.23%	69.55%	66.36%
ETS	from 2024 LS	124.59%	101.81%	87.14%	105.08%	76.60%	79.98%	84.69%	72.10%	88.18%	75.18%	106.87%	69.96%
Small General	from 2024 LS	94.92%	78.77%	70.59%	79.90%	86.31%	67.81%	80.34%	88.05%	76.43%	66.01%	85.53%	82.19%
General Demand	from 2024 LS	92.89%	78.92%	73.28%	82.23%	85.26%	70.74%	80.80%	84.83%	74.57%	71.85%	86.89%	86.47%
Large General	from 2024 LS	90.74%	91.85%	88.37%	88.34%	91.42%	75.74%	90.15%	92.05%	84.45%	87.53%	96.05%	98.43%
Small Industrial	from 2024 LS	107.26%	83.91%	79.90%	96.45%	86.80%	91.51%	91.08%	96.63%	91.44%	69.42%	101.15%	95.69%
Medium Industrial	from 2024 LS	97.67%	94.84%	85.54%	93.68%	90.66%	87.84%	88.61%	104.14%	87.89%	78.80%	101.65%	111.41%
Large Industrial	from 2024 LS	97.80%	89.85%	97.88%	97.01%	102.84%	100.51%	98.12%	104.10%	92.88%	93.43%	101.34%	93.58%
L.I. Interruptible	from 2024 LS	100.87%	93.58%	98.68%	96.40%	90.81%	94.43%	91.21%	106.30%	85.90%	107.12%	90.38%	99.44%
GR & LF	from 2024 LS	477.71%	79.99%	274.21%	100.00%	62.32%	29.60%	213.68%	99.01%	99.36%	97.52%	103.98%	69.13%
Shore Power	from 2024 LS	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PHP - LRT		65.00	65.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	135.00	65.00
Municipal	from 2024 LS	83.07%	70.66%	65.30%	69.76%	73.30%	67.56%	76.45%	77.81%	72.40%	62.64%	78.05%	77.38%
Unmetered	from 2024 LS	99.30%	242.53%	491.07%	441.88%	395.91%	369.16%	384.73%	426.58%	479.85%	532.12%	63.15%	66.04%

Loss Factors OG (2015-2016)

Residential	16.3%	15.3%	12.6%	11.1%	9.4%	7.6%	8.7%	8.9%	8.9%	10.3%	13.7%	16.3%
ETS	16.2%	14.7%	12.2%	11.3%	11.3%	9.9%	10.6%	9.9%	11.5%	11.3%	14.5%	16.2%
Small General	15.1%	14.0%	12.2%	10.7%	10.4%	9.3%	9.9%	9.5%	9.8%	11.1%	13.7%	15.1%
General Demand	7.9%	7.5%	7.5%	6.9%	7.7%	7.0%	7.5%	7.9%	7.5%	7.8%	7.8%	7.9%
Large General	7.1%	7.3%	7.2%	7.0%	6.8%	6.9%	7.1%	7.4%	7.1%	7.2%	7.0%	7.1%
Small Industrial	7.6%	7.5%	7.8%	7.6%	6.9%	6.9%	6.7%	7.4%	6.7%	7.9%	8.3%	7.6%
Medium Industrial	7.5%	7.3%	7.2%	7.1%	6.8%	6.9%	6.9%	7.4%	6.4%	7.6%	7.7%	7.5%
Large Industrial	3.1%	3.0%	2.9%	3.1%	3.0%	3.0%	3.0%	3.1%	3.4%	3.2%	3.1%	3.1%
L.I. Interruptible	3.2%	3.2%	3.1%	3.0%	3.2%	3.0%	3.0%	3.3%	2.9%	3.2%	3.3%	3.2%
GRLF	2.0%	2.0%	2.0%	2.4%	2.0%	2.4%	2.7%	2.4%	2.2%	2.2%	2.1%	2.0%
Shore Power												
PHP - LRT	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Municipal	5.3%	5.5%	5.3%	5.2%	5.2%	5.2%	5.2%	5.4%	4.9%	5.3%	5.3%	5.3%
Unmetered	18.7%	17.0%	14.3%	12.3%	12.2%	9.8%	11.6%	10.1%	11.8%	12.2%	15.7%	18.7%

Loss factors 2018

Residential	16.3%	15.3%	12.6%	11.1%	9.4%	7.6%	8.7%	8.9%	8.9%	10.3%	13.7%	16.3%
ETS	16.3%	15.3%	12.6%	11.1%	9.4%	7.6%	8.7%	8.9%	8.9%	10.3%	13.7%	16.3%
Small General	15.1%	14.0%	12.2%	10.7%	10.4%	9.3%	9.9%	9.5%	9.8%	11.1%	13.7%	17.3%
General Demand	7.9%	7.5%	7.5%	6.9%	7.7%	7.0%	7.5%	7.9%	7.5%	7.8%	7.8%	8.6%
Large General	7.1%	7.3%	7.2%	7.0%	6.8%	6.9%	7.1%	7.4%	7.1%	7.2%	7.0%	7.2%
Small Industrial	7.6%	7.5%	7.8%	7.6%	6.9%	6.9%	6.7%	7.4%	6.7%	7.9%	8.3%	8.0%
Medium Industrial	7.5%	7.3%	7.2%	7.1%	6.8%	6.9%	6.9%	7.4%	6.4%	7.6%	7.7%	7.9%
Large Industrial	3.1%	3.0%	2.9%	3.1%	3.0%	3.0%	3.0%	3.1%	3.4%	3.2%	3.1%	3.1%
L.I. Interruptible	3.2%	3.2%	3.1%	3.0%	3.2%	3.0%	3.0%	3.3%	2.9%	3.2%	3.3%	3.0%
GRLF	2.0%	2.0%	2.0%	2.4%	2.0%	2.4%	2.7%	2.4%	2.2%	2.2%	2.1%	2.4%
Shore Power												
PHP - LRT	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Municipal	5.3%	5.5%	5.3%	5.2%	5.2%	5.2%	5.2%	5.4%	4.9%	5.3%	5.3%	5.4%
Unmetered	16.3%	15.3%	12.6%	11.1%	9.4%	7.6%	8.7%	8.9%	8.9%	10.3%	13.7%	16.3%

Solar Allocation

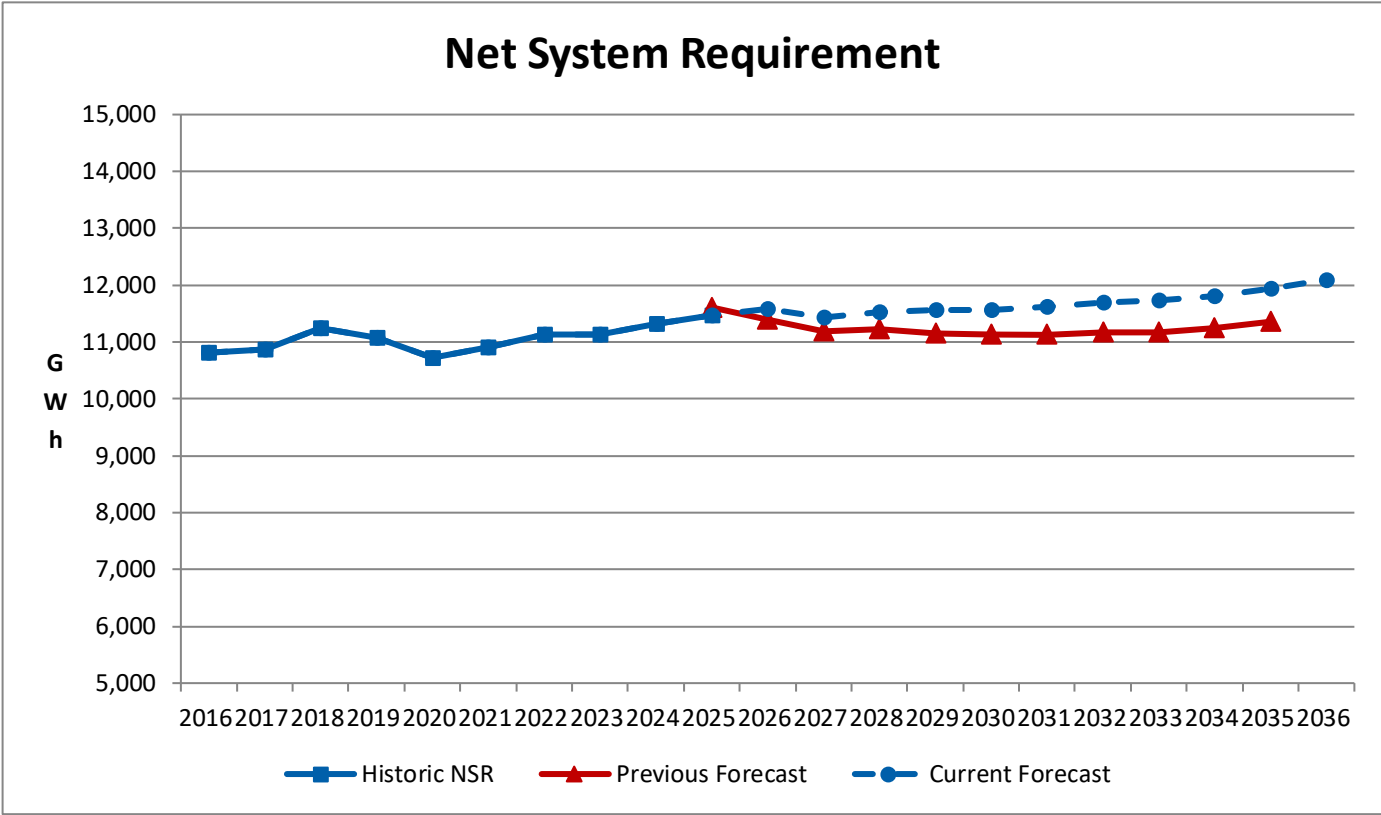
EV Allocation

SG	10%	20%
GD	90%	80%

RTR	2025	2026	2027	2028
		21	352	421
Res	11.7%	2.5	41.4	49.4
Sm Gen	1.7%	0.4	6.0	7.1
Gen Dem	49.2%	10.3	173.2	207.0
LG	7.4%	1.6	26.1	31.2
SI	3.7%	0.8	12.9	15.4
MI	13.4%	2.8	47.2	56.4
LI	4.8%	1.0	16.9	20.2
LII	5.8%	1.2	20.5	24.5
Unm	2.2%	0.5	7.9	9.5

NSR

Year	Historic NSR	Forecast	Current Forecast	Previous Forecast	For	IRP Mid
2004	12387.5					12387.5
2005	12338.1					12338.1
2006	10946.2					10946.2
2007	12638.1					12638.1
2008	12538.9					12538.9
2009	12073.4					12073.4
2010	12157.7					12157.7
2011	11907.0					11907.0
2012	10475.5					10475.5
2013	11193.6					11193.6
2014	11037.4					11037.4
2015	11099.1					11099.1
2016	10809.0					10809.0
2017	10872.7					10872.7
2018	11248.9			3.5%		11248.9
2019	11077.1			-1.5%		11077.1
2020	10722.5			-3.2%		10722.5
2021	10902.2			1.7%		10902.2
2022	11133.9			2.1%		11133.9
2023	11130.9			0.0%		11130.9
2024	11326.3			1.8%		11326.3
2025	11469.1			1.3%		11469.1
2026		11575		0.9%	11574.6	11403
2027	11424			-1.3%	11424.5	11193
2028	11525			0.9%	11525.2	11226
2029	11556			0.3%	11556.3	11159
2030	11568			0.1%	11568.4	11130
2031	11621			0.5%	11620.7	11125
2032	11689			0.6%	11688.5	11169
2033	11722			0.3%	11722.4	11168
2034	11815			0.8%	11815.4	11236
2035	11939			1.0%	11939.0	11365
2036	12097			1.3%	12097.1	
		4.5%				0.4%



Commercial

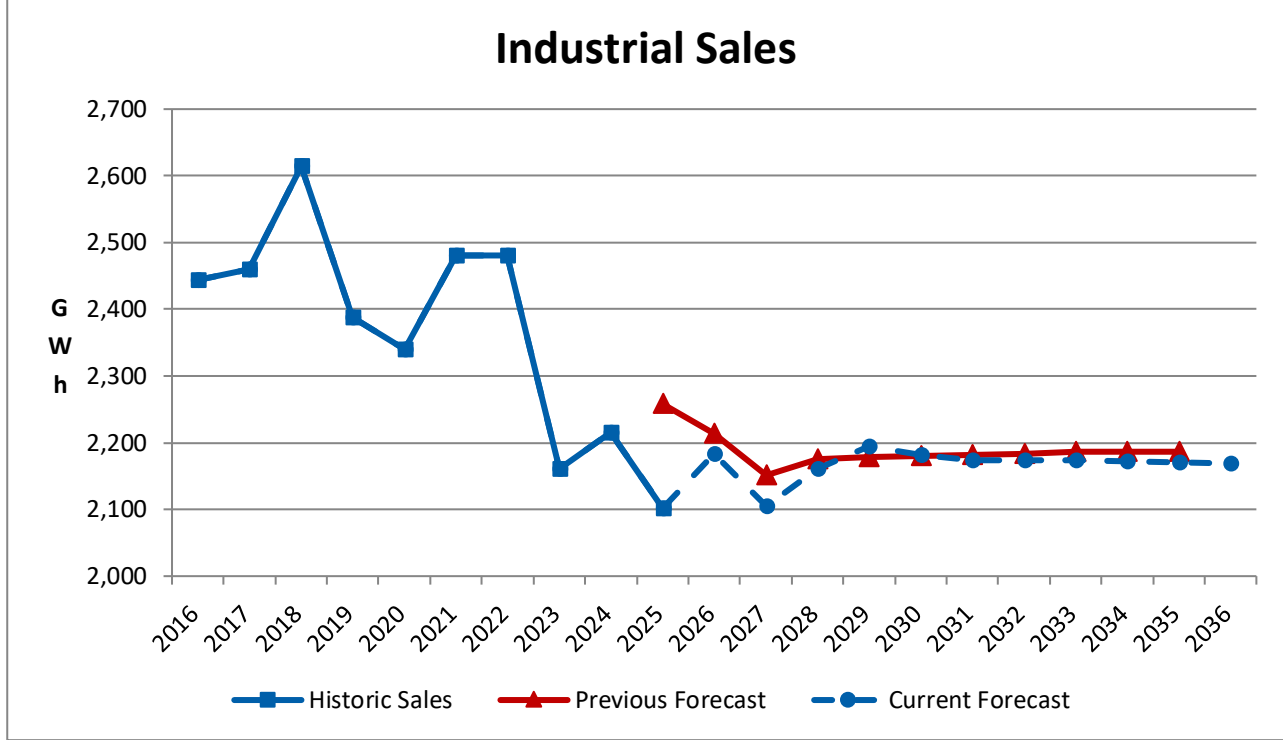
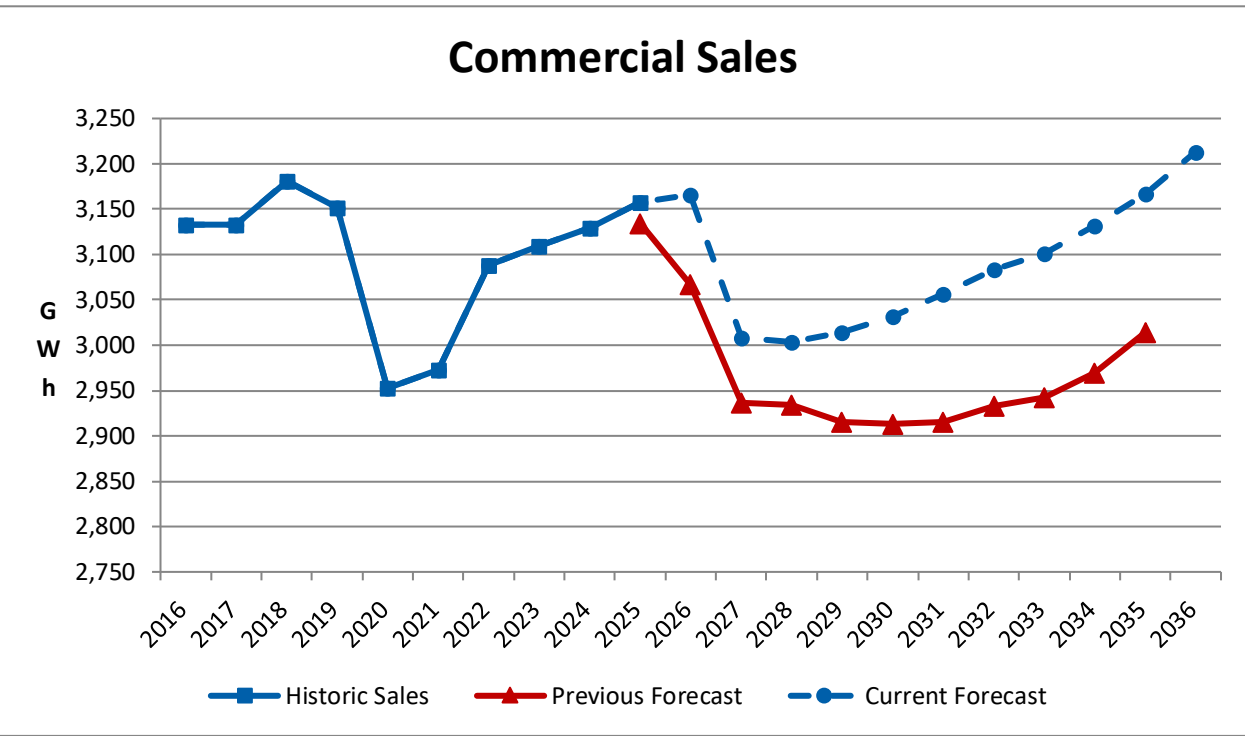
Current Forecast
Historic Sales

3216.7
3196.4
3243.6
3221.9
3251.2
3132.5
3133.0
3180.7
3151.5
2952.5
2973.5
3088.3
3109.8
3129.0
3157.2
3165.5
3008.1
3003.2
3014.3
3031.2
3056.9
3083.9
3100.7
3131.2
3166.7
3213.4

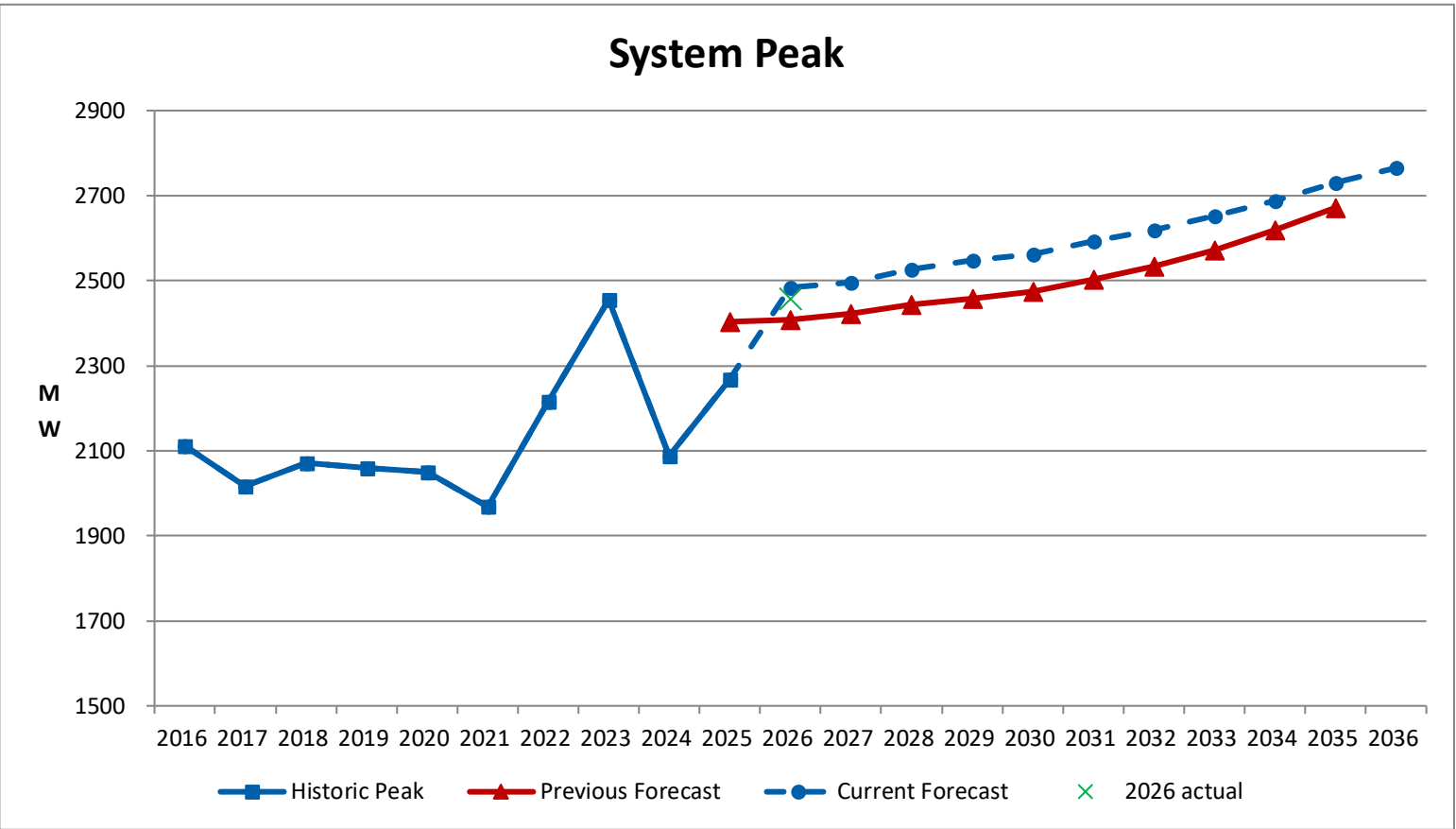
Industrial

Current Forecast
Historic Sales

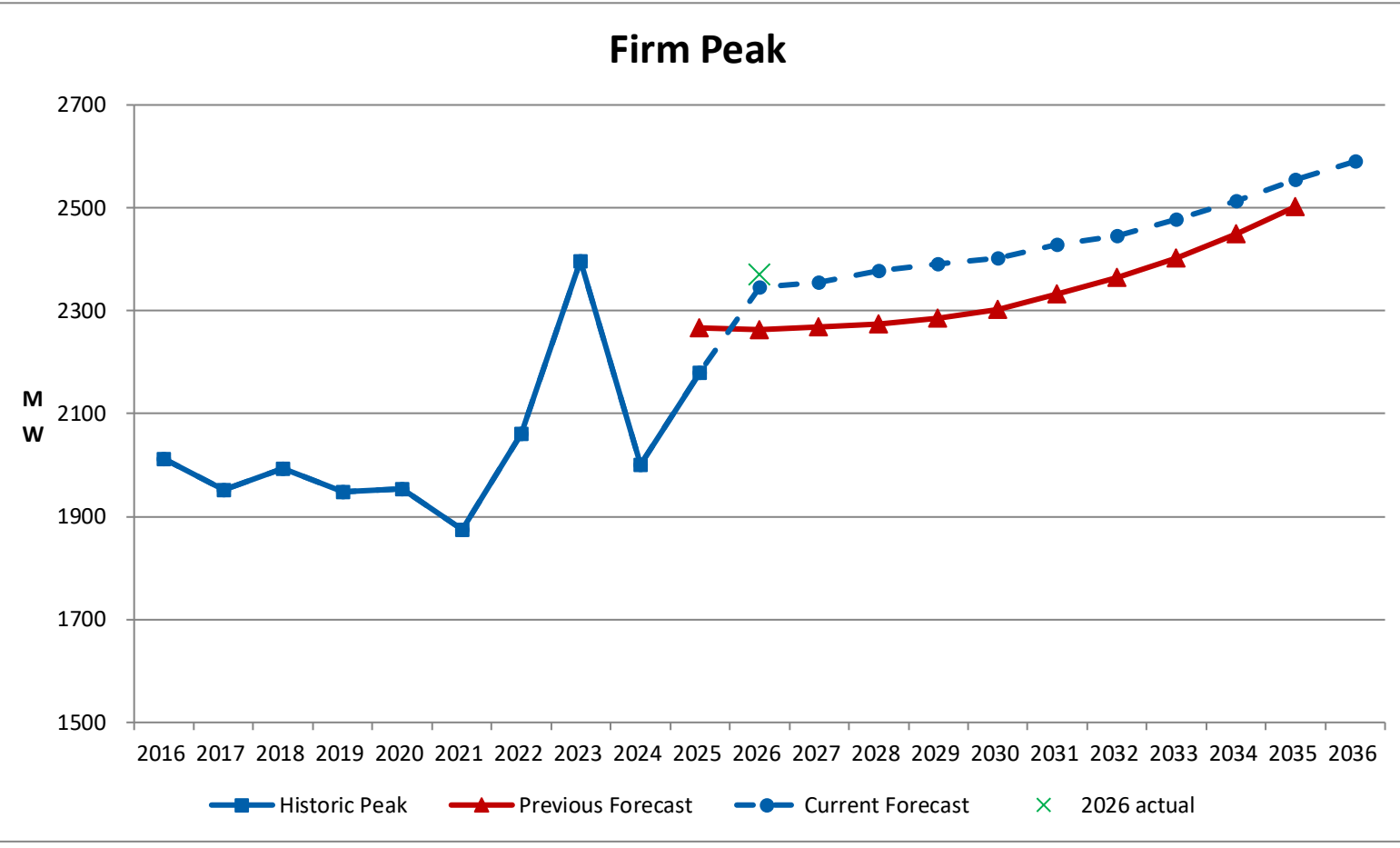
3514.9
2164.4
2604.1
2522.3
2455.9
2444.3
2460.6
2614.2
2388.0
2339.8
2480.3
2480.2
2161.5
2215.7
2102.0
2182.7
2104.7
2160.9
2193.7
2181.7
2173.6
2173.2
2173.5
2172.5
2170.4
2168.2



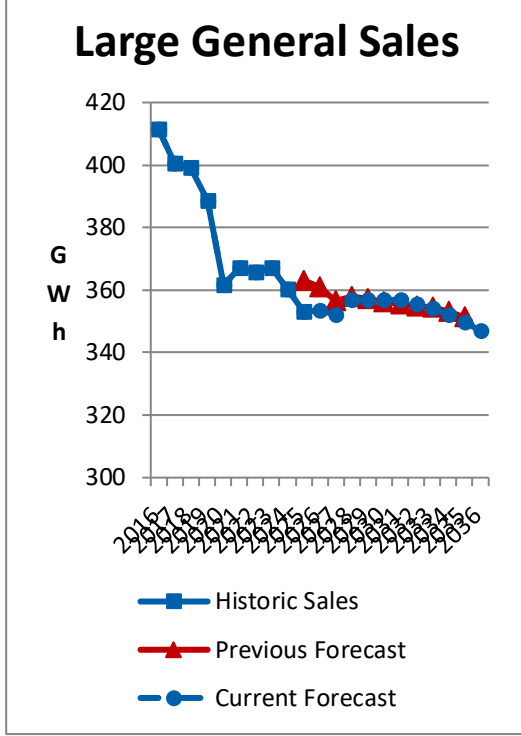
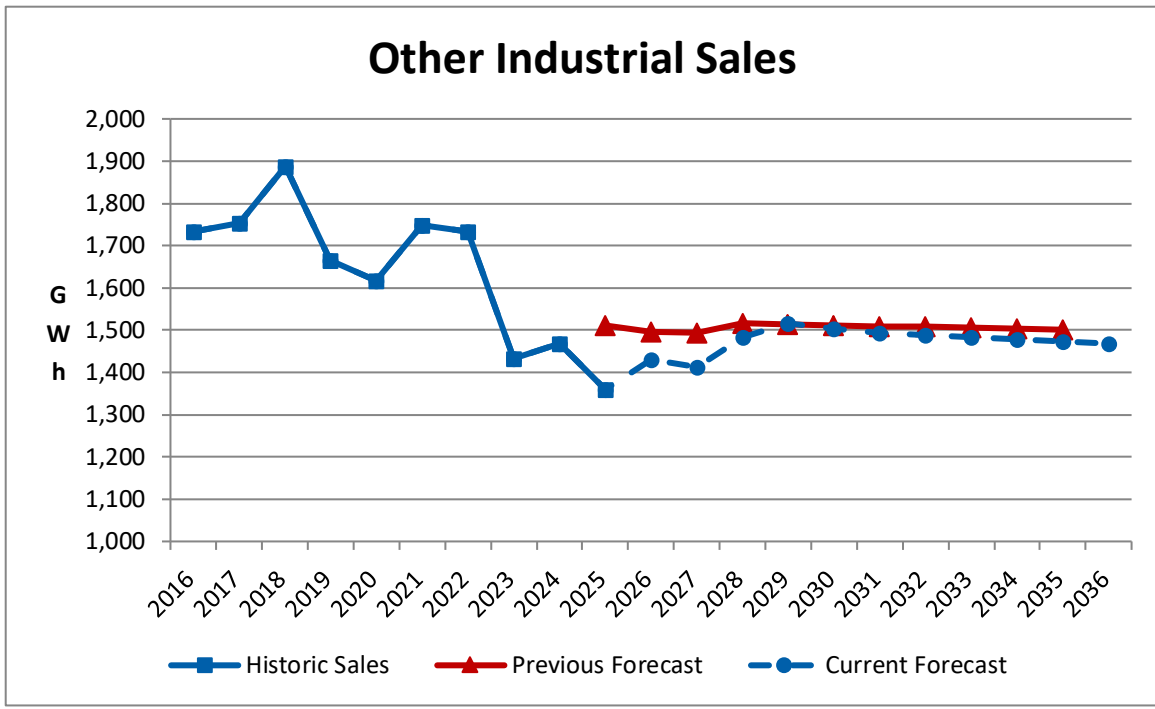
Peak Year	Peak	Forecast	Forecast	Current Fore	Historic Pe	Previous Fc	Firm Peak	Previous Fon	Historic WN	Firm Peak
2004	2237.9			2238	2022 Jan Pe	2238				1848
2005	2143.0			2143		2143				1745
2006	2085.0			2085		2085				1684
2007	2154.4			2154		2154				1774
2008	2191.8			2192		2192				1840
2009	2092.3			2092		2092				1824
2010	2114.2			2114		2114				1820
2011	2168.1			2168		2168				1903
2012	1881.7			1882		1882				1740
2013	2032.7			2033		2033				1897
2014	2118.2			2118		2118				2036
2015	2015.0		-4.9	2015		2015			1908	1874
2016	2111.0		4.8	2111		2111			1914	2013
2017	2017.6		-4.4	2018		2018			1907	1975
2018	2072.5		2.7	2073		2073			1958	2040
2019	2060.3		-0.6	2060		2060			1975	2087
2020	2050.3		-0.5	2050		2050			2041	2087
2021	1968.4		-4.0	1968		1968			2041	1967
2022	2215.7		12.6	2216		2216			2067	2067
2023	2455.0		10.8	2455		2,455			2,302	2,302
2024	2088.0		-14.9	2088		2,088			2,254	2,254
2025	2267.0		8.6	2267		2,267	2,403		2,180	2,354
2026	2459.0	2,484	9.6		2,484	2,408	2,346	2,267	2,263	2,346
2027		2,497	0.5		2,497	2,423	2,356	2,268	2,268	2,356
2028		2,526	1.2		2,526	2,443	2,377	2,274	2,274	2,377
2029		2,549	0.9		2,549	2,458	2,390	2,285	2,285	2,390
2030		2,563	0.6		2,563	2,474	2,402	2,303	2,303	2,402
2031		2,593	1.2		2,593	2,503	2,429	2,332	2,332	2,429
2032		2,620	1.0		2,620	2,535	2,446	2,364	2,364	2,446
2033		2,652	1.2		2,652	2,573	2,477	2,402	2,402	2,477
2034		2,689	1.4		2,689	2,618	2,514	2,449	2,449	2,514
2035		2,730	1.5		2,730	2,672	2,555	2,503	2,503	2,555
2036		2,765	1.3		2,765		2,590		2,590	2,590
						1.1%	2.2%		1.0%	



8%
14%



	LG	LI	LG	LI
	Current Forecast	Current Forecast	Previous Forecast	Previous Forecast
2010	416.1	3162.7		
2011	414.9	2769.8		
2012	410.8	1417.3		
2013	404.1	1863.6		
2014	393.5	1799.0		
2015	414.5	1723.2		
2016	411.4	1734.1		
2017	400.6	1753.0		
2018	399.1	1887.9		
2019	388.6	1665.8		
2020	361.7	1618.2		
2021	367.1	1747.4		
2022	365.8	1733.7		
2023	367.1	1431.6		
2024	360.4	1469.3		
2025	353.0	1359.6	363.1	1510.8
2026	353.5	1431.5	361.0	1496.2
2027	352.2	1413.0	356.5	1493.9
2028	356.9	1482.5	357.8	1516.5
2029	356.9	1516.9	357.2	1514.1
2030	356.8	1504.6	356.3	1511.8
2031	356.9	1493.9	355.6	1509.6
2032	355.4	1488.6	354.9	1507.5
2033	354.1	1483.6	354.4	1505.6
2034	352.1	1478.8	353.1	1503.2
2035	349.6	1473.9	351.3	1500.6
2036	347.0	1468.8		
	-6.5			

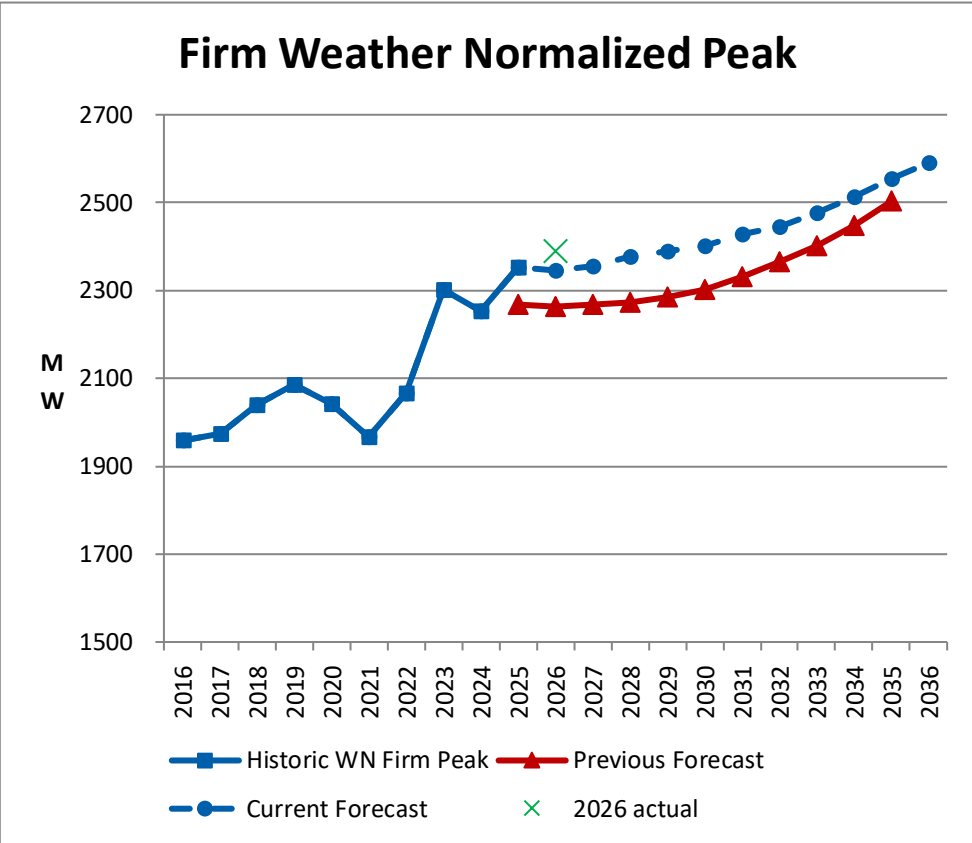


Peak Calcs														
	Modeled Peak (MW)	Res Peak (MW)	EV (MW)	DR (MW)	Hybrid Mode	C&I Growth	Large Cust.	DSM (MW)	Firm Peak (V Inter.)	Cust.	System Peak (MW)	Check		
2026	2,261	2	3	-	8	-	0	99	-	12	2346	130	2,484	2484
2027	2,274	4	7	-	11	-	1	104	-	25	2354	132	2,497	2497
2028	2,299	5	12	-	14	-	2	107	-	36	2374	138	2,526	2526
2029	2,316	7	20	-	17	-	4	107	-	45	2387	146	2,549	2549
2030	2,328	8	30	-	20	-	5	108	-	56	2396	146	2,563	2563
2031	2,351	9	44	-	24	-	5	108	-	63	2423	146	2,593	2593
2032	2,369	10	62	-	34	-	4	109	-	75	2441	145	2,620	2620
2033	2,390	11	84	-	36	-	4	109	-	87	2471	145	2,652	2652
2034	2,411	12	110	-	37	-	4	110	-	99	2507	145	2,689	2689
2035	2,433	13	141	-	37	-	5	110	-	111	2548	145	2,730	2730
2036	2,448	14	171	-	37	-	6	110	-	121	2583	145	2,765	2765
2036 (no EV mitigation)	2,448	14	247	-	37	-	6	110	-	121	2659	145	2,841	1.0%
			76.1											1.1%
Variance Calcs													11.3%	1.4%

Variance Calcs							11.3%	1.4%
	Res	Comm	Ind	Other	Losses	NSR		
2025 Forecast	5,289	3,135		2,258	148	777	11,607	
Weather	44	9			1	5	59	
Large Customer New Projects	-	3	-	2		-	5	
Large Customer Actuals	-	3	-	153		-	156	
Other Variance	41	23	-	5	1	14	36	
2025 Actuals	5,292	3,161		2,098	150	768	11,469	
	-1%	1%		0%	1%	-2%		

	Res	Comm	Ind	Other	Losses	NSR	
2026 Forecast	5315	3165		2183	131	781	11575
2036 Forecast	5646	3213		2168	259	810	12097
Model	-2	275		27	2	78	381
New Customers	350	39					389
Solar	-370	-171					-540
EV	645	373					1018
C&I Growth		14		20			34
Large Customer Projects		33		186			219
Hybrid model adjustm	-16	-75					-91
RTR	-49	-242		-117	128		-280
DSM	-227	-198		-131	-3	-49	-607
Total DSM	-406	-387		-147	-5	-74	-1018
DSM in models	-179	-189		-17	-2	-25	-411

DSM	Res	Comm	Ind	Captured by Re	Captured by Adjustment	Adjustment	Com/Ind
2026	40.0	64.6	11.4	18.7	35.0	21.3	41.0
2027	26.1	55.8	38.8	12.2	43.6	13.9	51.0
2028	27.2	43.7	29.1	12.7	33.6	14.5	39.2
2029	27.1	28.9	21.1	12.7	23.1	14.4	27.0
2030	26.6	24.8	18.3	12.4	19.9	14.2	23.2
2031	25.9	22.4	16.4	12.1	17.9	13.8	20.9
2032	73.2	46.8	8.3	34.2	25.4	39.0	29.7
2033	71.3	43.4	7.7	33.3	23.5	38.0	27.5
2034	69.1	44.0	7.8	32.3	23.9	36.8	27.9
2035	66.0	42.5	7.5	30.8	23.0	35.2	26.9
2036	62.9	43.4	7.7	29.4	23.5	33.5	27.5



	As Stated by ENSC							Loss Adjustment										Residential Cumulative
	Residential Incremental	Commercial Incremental	Industrial Incremental	LED Incremental	Codes and Standards Incremental	Total Incremental	Total Cumulative	Residential Loss Percentage	Commercial & Industrial Loss Percentage	Residential Incremental	Commercial Incremental	Industrial Incremental	Industrial Cumulative	Total Incremental	Total Cumulative	Commercial Cumulative		
2008																		
2009																		
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016								10.0%	6.6%	0.0	0.0	0.0		0.0		0		
2017						0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2018						0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2019	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2020	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2021	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2022	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2023	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2024	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2025	0.0	0.0	0.0	0.0		0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0		0	0.0	
2026	40.0	64.6	11.4	0.0		116.0	116.0	10.0%	6.6%	36.0	60.3	10.6	10.6	107.0	107	60.3	36	
2027	26.1	55.8	38.8	0.0		120.7	236.7	10.0%	6.6%	23.5	52.1	36.2	46.9	111.9	219	112.5	60	
2028	27.2	43.7	29.1	0.0		100.0	336.7	10.0%	6.6%	24.5	40.8	27.2	74.1	92.5	311	153.3	84	
2029	27.1	28.9	21.1	0.0		77.1	413.8	10.0%	6.6%	24.4	27.0	19.7	93.8	71.1	382	180.3	108	
2030	26.6	24.8	18.3	0.0		69.7	483.5	10.0%	6.6%	23.9	23.2	17.1	110.9	64.2	447	203.5	132	
2031	25.9	22.4	16.4	0.0		64.7	548.2	10.0%	6.6%	23.3	20.9	15.3	126.2	59.6	506	224.4	156	
2032	73.2	46.8	8.3	0.0		128.2	676.4	10.0%	6.6%	65.9	43.7	7.7	133.9	117.3	624	268.1	222	
2033	71.3	43.4	7.7	0.0		122.3	798.7	10.0%	6.6%	64.2	40.5	7.2	141.1	111.9	735	308.6	286	
2034	69.1	44.0	7.8	0.0		120.9	919.6	10.0%	6.6%	62.2	41.1	7.3	148.3	110.6	846	349.7	348	
2035	66.0	42.5	7.5	0.0		116.0	1035.6	10.0%	6.6%	59.4	39.7	7.0	155.3	106.1	952	389.4	407	
2036	62.9	43.4	7.7	0.0		114.0	1149.5	10.0%	6.6%	56.6	40.5	7.2	162.5	104.3	1056	430.0	464	

	Residential Incremental	Residential Cummulative	Commercial Incremental	Commercial Cumulative	Industrial Incremental	Industrial Cumulative	LED Incremental	Codes and Standards Incremental	Total Incremental	Total Cumulative	Residential Loss Percentage	Commercial Loss Percentage	Residential Incremental	Residential Cummulative	Commercial Incremental	Commercial Cumulative	Industrial Incremental	Industrial Cumulative	Total Incremental	Total Cumulative
2008.0	10.2		9.6		1.2															
2009.0																				
2010.0																				
2011.0																				
2012.0																				
2013.0																				
2014.0																				
2015.0																				
2016.0									0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017.0									0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018.0									0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0	0.0	10.0%	6.6%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026.0	4.9	4.9	11.9	11.9	2.1	2.1			18.9	18.9	10.0%	6.6%	4.4	4.4	11.1	11.1	2.0	2.0	17.5	17.5
2027.0	4.8	9.7	10.1	22.0	4.5	6.6			25.2	44.1	10.0%	6.6%	4.3	8.7	9.4	20.6	4.2	6.2	18.0	35.5
2028.0	7.3	17.0	7.8	29.8	3.3	9.9			26.6	70.7	10.0%	6.6%	6.6	15.3	7.3	27.8	3.1	9.2	16.9	52.4
2029.0	8.9	25.9	5.2	35.0	2.3	12.2			24.5	95.3	10.0%	6.6%	8.0	23.3	4.9	32.7	2.1	11.4	15.0	67.4
2030.0	9.1	35.0	4.5	39.5	2.0	14.2			24.2	119.4	10.0%	6.6%	8.2	31.5	4.2	36.9	1.9	13.3	14.3	81.7
2031.0	8.2	43.2	4.2	43.7	1.8	16.0			23.4	142.8	10.0%	6.6%	7.4	38.9	3.9	40.8	1.7	14.9	13.0	94.7
2032.0	15.0	58.2	6.6	50.3	1.2	17.2			22.8	165.6	10.0%	6.6%	13.5	52.4	6.2	47.0	1.1	16.0	20.8	115.4
2033.0	14.4	72.5	6.2	56.5	1.1	18.3			21.6	187.2	10.0%	6.6%	12.9	65.3	5.8	52.8	1.0	17.1	19.7	135.2
2034.0	13.6	86.1	6.3	62.8	1.1	19.4			21.1	208.3	10.0%	6.6%	12.3	77.6	5.9	58.7	1.0	18.1	19.2	154.4
2035.0	12.7	98.9	6.1	69.0	1.1	20.5			19.9	228.2	10.0%	6.6%	11.4	89.0	5.7	64.4	1.0	19.1	18.2	172.6
2036.0	11.8	110.7	6.3	75.3	1.1	21.6			19.3	247.5	10.0%	6.6%	10.7	99.7	5.9	70.3	1.0	20.2	17.6	190.2

Sector Forecast Without DSM																					
Year	Residential		Commercial		Industrial		Other		Losses	Total											
2003	3,940		3,003		4,031		184		851	12,009											
2004	4,040	2.6%	3,098	3.1%	4,197	4.1%	190	3.2%	863	12,387											
2005	4,039	0.0%	3,134	1.2%	4,200	0.1%	191	0.5%	774	12,338											
2006	3,907	-3.3%	3,122	-0.4%	2,873	-31.6%	187	-1.9%	857	10,946											
2007	4,142	6.0%	3,249	4.1%	4,190	45.8%	197	5.3%	860	12,638											
2008	4,156	0.3%	3,233	-0.5%	4,146	-1.0%	197	0.2%	807	12,539											
2009	4,244	2.1%	3,224	-0.3%	3,638	-12.3%	198	0.3%	769	12,073											
2010	4,144	-2.4%	3,211	-0.4%	3,912	7.5%	193	-2.5%	697	12,158											
2011	4,275	3.2%	3,217	0.2%	3,515	-10.2%	191	-1.0%	709	11,907											
2012	4,160	-2.7%	3,196	-0.6%	2,164	-38.4%	191	0.0%	763	10,475											
2013	4,362	4.8%	3,244	1.5%	2,604	20.3%	201	4.8%	784	11,194											
2014	4,404	1.0%	3,222	-0.7%	2,522	-3.1%	198	-1.4%	691	11,037											
2015	4,504	2.3%	3,251	0.9%	2,456	-2.6%	197	-0.2%	691	11,099											
2016	4,264	-5.3%	3,133	-3.7%	2,444	-0.5%	179	-9.2%	789	10,809											
2017	4,363	2.3%	3,133	0.0%	2,461	0.7%	163	-9.0%	753	10,873											
2018	4,542	4.1%	3,181	1.5%	2,614	6.2%	154	-5.7%	758	11,250											
2019	4,688	3.2%	3,151	-0.9%	2,388	-8.7%	146	-4.7%	704	11,077											
2020	4,675	-0.3%	2,952	-6.3%	2,340	-2.0%	68	-53.6%	688	10,723											
2021	4,619	-1.2%	2,973	0.7%	2,480	6.0%	72	5.6%	757	10,902											
2022	4,851	5.0%	3,088	3.9%	2,480	0.0%	69	-3.5%	645	11,134											
2023	4,934	1.7%	3,110	0.7%	2,161	-12.9%	154	122.5%	772	11,131											
2024	5,064	2.6%	3,129	0.6%	2,216	2.5%	144	-6.2%	773	11,326											
2025	5,227	3.2%	3,157	0.9%	2,102	-5.1%	150	3.9%	833	11,469											
2026	5,334	2.0%	3,198	1.3%	2,192	4.3%	131	-12.5%	786	11,641											
2027	5,342	0.2%	3,068	-4.0%	2,145	-2.1%	237	80.7%	775	11,568											
2028	5,379	0.7%	3,085	0.6%	2,225	3.7%	259	9.4%	783	11,731											
2029	5,379	0.0%	3,111	0.8%	2,274	2.2%	259	0.1%	787	11,810											
2030	5,397	0.3%	3,140	0.9%	2,277	0.1%	260	0.1%	792	11,866											
2031	5,439	0.8%	3,177	1.2%	2,282	0.2%	260	0.1%	799	11,958											
2032	5,511	1.3%	3,227	1.6%	2,289	0.3%	260	0.2%	810	12,097											
2033	5,559	0.9%	3,266	1.2%	2,295	0.3%	261	0.1%	819	12,199											
2034	5,649	1.6%	3,318	1.6%	2,300	0.2%	261	0.1%	832	12,360											
2035	5,761	2.0%	3,375	1.7%	2,304	0.2%	261	0.1%	847	12,548											
2036	5,893	2.3%	3,443	2.0%	2,308	0.2%	262	0.2%	864	12,770											

Sector Forecast With DSM										
Year	Residential		Commercial		Industrial		Other		Losses	Total
2003	3,940		3,003		4,031		184		851	12,009
2004	4,040	2.6%	3,098	3.1%	4,197	4.1%	190	3.2%	863	12,387
2005	4,039	0.0%	3,134	1.2%	4,200	0.1%	191	0.5%	774	12,338
2006	3,907	-3.3%	3,122	-0.4%	2,873	-31.6%	187	-1.9%	857	10,946
2007	4,142	6.0%	3,249	4.1%	4,190	45.8%	197	5.3%	860	12,638
2008	4,156	0.3%	3,233	-0.5%	4,146	-1.0%	197	0.2%	807	12,539
2009	4,244	2.1%	3,224	-0.3%	3,638	-12.3%	198	0.3%	769	12,073
2010	4,144	-2.4%	3,211	-0.4%	3,912	7.5%	193	-2.5%	697	12,158
2011	4,275	3.2%	3,217	0.2%	3,515	-10.2%	191	-1.0%	709	11,907
2012	4,160	-2.7%	3,196	-0.6%	2,164	-38.4%	191	0.0%	763	10,475
2013	4,362	4.8%	3,244	1.5%	2,604	20.3%	201	4.8%	784	11,194
2014	4,404	1.0%	3,222	-0.7%	2,522	-3.1%	198	-1.4%	691	11,037
2015	4,504	2.3%	3,251	0.9%	2,456	-2.6%	197	-0.2%	691	11,099
2016	4,264	-5.3%	3,133	-3.7%	2,444	-0.5%	179	-9.2%	789	10,809
2017	4,363	2.3%	3,133	0.0%	2,461	0.7%	163	-9.0%	753	10,873
2018	4,542	4.1%	3,181	1.5%	2,614	6.2%	154	-5.7%	758	11,250
2019	4,688	3.2%	3,151	-0.9%	2,388	-8.7%	146	-4.7%	704	11,077
2020	4,675	-0.3%	2,952	-6.3%	2,340	-2.0%	68	-53.6%	688	10,723
2021	4,619	-1.2%	2,973	0.7%	2,480	6.0%	72	5.6%	757	10,902
2022	4,851	5.0%	3,088	3.9%	2,480	0.0%	69	-3.5%	645	11,134
2023	4,934	1.7%	3,110	0.7%	2,161	-12.9%	154	122.5%	772	11,131
2024	5,064	2.6%	3,129	0.6%	2,216	2.5%	144	-6.2%	773	11,326
2025	5,227	3.2%	3,157	0.9%	2,102	-5.1%	150	3.9%	833	11,469
2026	5,315	1.7%	3,165	0.3%	2,183	3.8%	131	-12.8%	781	11,575
2027	5,310	-0.1%	3,008	-5.0%	2,105	-3.6%	236	80.6%	765	11,424
2028	5,335	0.5%	3,003	-0.2%	2,161	2.7%	258	9.3%	768	11,525
2029	5,321	-0.3%	3,014	0.4%	2,194	1.5%	258	0.0%	769	11,556
2030	5,327	0.1%	3,031	0.6%	2,182	-0.5%	258	0.0%	770	11,568
2031	5,357	0.6%	3,057	0.8%	2,174	-0.4%	258	0.1%	775	11,621
2032	5,393	0.7%	3,084	0.9%	2,173	0.0%	259	0.0%	780	11,689
2033	5,408	0.3%	3,101	0.5%	2,173	0.0%	258	-0.1%	782	11,722
2034	5,464	1.0%	3,131	1.0%	2,172	0.0%	258	0.0%	789	11,815
2035	5,545	1.5%	3,167	1.1%	2,170	-0.1%	259	0.0%	798	11,939
2036	5,646	1.8%	3,213	1.5%	2,168	-0.1%	259	0.1%	810	12,097

	Energy												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2026	1265.4	1164.3	1149.6	960.9	844.4	774.3	858.8	835.1	755.3	825.9	958.6	1182.0	11574.6
2027	1250.1	1149.7	1130.7	945.8	834.1	765.0	847.0	828.2	747.2	813.7	942.6	1170.3	11424.5
2028	1262.2	1160.5	1139.6	952.0	837.2	767.9	851.2	834.4	754.9	823.9	955.2	1186.2	11525.2
2029	1270.2	1167.2	1145.2	954.4	838.8	769.8	851.8	834.8	755.1	824.6	956.0	1188.5	11556.3
2030	1276.1	1171.3	1148.1	953.3	836.5	767.7	849.6	833.1	753.9	825.9	959.1	1193.8	11568.4
2031	1287.3	1180.1	1155.4	955.1	836.5	767.6	849.7	833.7	755.1	830.1	966.0	1204.1	11620.7
2032	1300.0	1190.1	1164.1	958.1	837.7	768.7	851.0	835.5	757.5	835.8	974.4	1215.7	11688.5
2033	1308.7	1196.3	1169.2	958.1	836.4	767.7	849.8	835.1	758.0	839.4	980.1	1223.5	11722.4
2034	1324.4	1208.9	1180.5	962.9	839.3	770.4	852.5	838.5	762.1	847.2	990.8	1237.8	11815.4
2035	1343.6	1224.7	1195.0	970.2	844.4	775.0	857.3	843.9	768.2	857.3	1004.2	1255.3	11939.0
2036	1366.1	1243.7	1212.9	980.6	852.5	782.3	864.9	852.0	776.6	869.6	1020.2	1275.8	12097.1

	Peak Demand												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Peak
2026	2483.8	2407.0	2149.7	1737.9	1469.5	1395.4	1484.4	1518.5	1419.1	1502.1	1907.6	2155.5	2,484
2027	2496.6	2434.4	2176.5	1764.5	1487.2	1409.5	1498.1	1529.1	1427.7	1518.7	1925.0	2185.5	2,497
2028	2525.9	2457.6	2207.2	1790.8	1501.3	1418.4	1513.3	1544.5	1445.7	1541.4	1956.8	2215.0	2,526
2029	2548.7	2486.8	2232.6	1813.2	1515.0	1427.0	1524.6	1554.2	1453.7	1553.6	1971.7	2230.8	2,549
2030	2563.1	2500.8	2248.7	1825.2	1517.0	1422.8	1526.1	1556.8	1454.4	1562.7	1986.4	2249.7	2,563
2031	2593.1	2529.3	2275.9	1845.7	1524.8	1422.8	1531.0	1562.4	1458.2	1576.3	2005.9	2274.2	2,593
2032	2619.7	2548.7	2300.1	1865.0	1531.3	1421.2	1534.0	1565.8	1460.6	1589.4	2024.0	2297.3	2,620
2033	2651.6	2585.2	2326.1	1885.4	1537.7	1418.7	1536.3	1568.7	1462.3	1602.7	2043.2	2325.2	2,652
2034	2688.7	2621.0	2357.1	1910.3	1547.5	1419.0	1541.0	1573.8	1466.6	1619.7	2066.4	2357.5	2,689
2035	2730.3	2661.0	2392.3	1939.5	1560.9	1422.6	1549.0	1582.1	1474.3	1640.5	2093.6	2393.9	2,730
2036	2765.2	2688.5	2423.0	1967.1	1574.4	1427.5	1558.4	1591.8	1483.3	1661.5	2119.3	2426.3	2,765

	Firm Peak												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Peak
2026	2354.1	2270.6	1949.1	1534.6	1268.1	1197.0	1276.9	1312.5	1203.0	1295.8	1703.1	2034.0	2,354
2027	2367.3	2298.1	1976.4	1561.4	1284.8	1210.1	1291.0	1323.5	1212.6	1314.1	1722.1	2064.1	2,367
2028	2391.0	2314.6	2001.5	1581.3	1292.1	1212.3	1297.7	1330.5	1216.9	1324.6	1736.6	2078.8	2,391
2029	2406.9	2335.4	2019.8	1596.0	1297.6	1212.7	1302.7	1336.1	1220.7	1335.8	1752.3	2095.7	2,407
2030	2422.2	2350.4	2037.0	1608.7	1300.3	1209.3	1304.9	1339.4	1222.1	1345.7	1767.8	2115.7	2,422
2031	2453.1	2379.9	2065.1	1629.9	1308.7	1209.9	1310.5	1345.7	1226.5	1359.9	1788.1	2141.1	2,453
2032	2480.2	2399.9	2089.9	1649.7	1315.5	1208.7	1313.7	1349.4	1229.2	1373.5	1806.6	2164.8	2,480
2033	2512.6	2436.9	2116.4	1670.4	1322.2	1206.5	1316.4	1352.5	1231.2	1387.2	1826.2	2193.3	2,513
2034	2550.2	2473.2	2147.9	1695.7	1332.3	1207.1	1321.4	1358.0	1235.9	1404.5	1849.8	2226.2	2,550
2035	2592.2	2513.8	2183.6	1725.2	1346.0	1211.0	1329.7	1366.6	1243.9	1425.7	1877.4	2263.0	2,592
2036	2627.7	2541.9	2214.8	1753.2	1359.8	1216.2	1339.3	1376.6	1253.1	1447.0	1903.5	2296.1	2,628

	Firm Peak End Use with DSM and DR												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Peak
2026	2346.2	2262.8	1949.1	1534.6	1268.1	1197.0	1276.9	1312.5	1203.0	1295.8	1703.1	2026.2	2,346
2027	2355.9	2286.7	1976.4	1561.4	1284.8	1210.1	1291.0	1323.5	1212.6	1314.1	1722.1	2052.6	2,356
2028	2377.3	2300.9	2001.5	1581.3	1292.1	1212.3	1297.7	1330.5	1216.9	1324.6	1736.6	2065.1	2,377
2029	2390.3	2318.8	2019.8	1596.0	1297.6	1212.7	1302.7	1336.1	1220.7	1335.8	1752.3	2079.1	2,390
2030	2402.1	2330.3	2037.0	1608.7	1300.3	1209.3	1304.9	1339.4	1222.1	1345.7	1767.8	2095.5	2,402
2031	2429.0	2355.9	2065.1	1629.9	1308.7	1209.9	1310.5	1345.7	1226.5	1359.9	1788.1	2117.0	2,429
2032	2446.2	2365.9	2089.9	1649.7	1315.5	1208.7	1313.7	1349.4	1229.2	1373.5	1806.6	2130.8	2,446
2033	2476.9	2401.3	2116.4	1670.4	1322.2	1206.5	1316.4	1352.5	1231.2	1387.2	1826.2	2157.6	2,477
2034	2513.5	2436.6	2147.9	1695.7	1332.3	1207.1	1321.4	1358.0	1235.9	1404.5	1849.8	2189.5	2,514
2035	2555.1	2476.6	2183.6	1725.2	1346.0	1211.0	1329.7	1366.6	1243.9	1425.7	1877.4	2225.9	2,555
2036	2590.3	2504.5	2214.8	1753.2	1359.8	1216.2	1339.3	1376.6	1253.1	1447.0	1903.5	2258.7	2,590

Yes No	2000	<u>Residential</u>
	2001	<u>ETS</u>
	2002	<u>Small General</u>
	2003	<u>General Demand</u>
	2004	<u>Large General</u>
	2005	<u>Small Industrial</u>
	2006	<u>Medium Industrial</u>
	2007	<u>Large Industrial</u>
	2008	<u>L.I. Interruptible</u>
	2009	<u>GR & LF</u>
	2010	<u>Shore Power</u>
	2011	<u>PHP - LRT</u>
	2012	<u>Municipal</u>
	2013	<u>Unmetered</u>
	2014	<u>Losses</u>
	2015	
	2016	
	2017	
	2018	
	2019	
	2020	
	2021	
	2022	
	2023	
	2024	
	2025	

[illegible]

**2026 Load Forecast Report Attachments 5-10 have been
filed electronically.**