EXHIBIT 3 – OPERATING REVENUE

2025 Cost of Service

Atikokan Hydro Inc.
EB-2024-0008

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1. INTRODUCTION

This Exhibit presents details of Atikokan Hydro Inc.'s ("Atikokan") historical operating revenue from its last Cost of Service ("COS") in 2017 (EB-2016-0056) up to the end of 2023, as well as presenting forecast operating revenues for the 2024 Bridge and 2025 Test Years. The Exhibit goes on to explain the approach to forecasting load and customer/connection growth for the 2024 and 2025 Test Years. Finally, the Exhibit provides an Accuracy of Load Forecast and Variance Analysis, which assesses year-over-year variances in revenues, customers/connections, and load from 2016 through the 2025 Test Year.

Atikokan is proposing a total Service Revenue Requirement of $1,932,988, which is inclusive of $173,258 in Other Revenue and a Base Revenue Requirement of $1,759,730. The following Table 3-1 summarizes Atikokan's total operating revenue by rate class as last approved by the OEB for 2017, from 2017 to 2023 based on actual billing determinants and approved rates, for the 2024 Bridge Year based on forecast billing determinants and approved rates, and for the 2025 Test Year. The 2025 Test Year is presented both at current approved rates for 2024, and at proposed rates for 2025.

Table 3-1: Summary of Operating Revenue

Table 3-1: Summary of Operating Revenue

Distribution Throughput Revenue	2017 Board Approved	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Bridge	2025 Test at Current Rates	2025 Test at Proposed Rates
Residential	835,939	754,760	778,621	787,730	806,169	811,843	817,903	853,864	888,946	897,788	985,347
General Service < 50 kW	286,975	244,269	236,801	238,814	240,389	245,963	246,695	259,662	268,458	273,470	296,561
General Service > 50 to 4999 kW	196,020	266,076	311,390	282,294	293,037	296,245	276,275	308,649	313,057	312,248	338,614
Street Lights	96,516	119,548	122,489	123,317	125,105	126,989	128,174	132,216	137,218	139,208	139,208
Total Distribution	**1,415,450**	**1,384,653**	**1,449,301**	**1,432,156**	**1,464,700**	**1,481,040**	**1,469,046**	**1,554,390**	**1,607,679**	**1,622,714**	**1,759,730**
Specific Service Charges	5,885	6,252	5,435	4,446	3,935	4,045	4,490	5,499	4,872	4,872	4,872
Late Payment Charges	7,543	9,253	7,948	7,073	10,782	8,076	7,213	7,429	7,213	7,213	7,213
Other Distribution/Operating Revenues	4,875	4,871	4,871	4,870	4,870	4,857	4,850	4,850	4,850	4,850	4,850
Other Income or Deductions	77,467	145,414	92,909	70,597	61,455	90,721	99,572	161,395	144,460	156,324	156,324
Total	**95,770**	**165,790**	**111,163**	**86,986**	**81,042**	**107,699**	**116,125**	**179,173**	**161,395**	**173,259**	**173,259**
Grand Total	**1,511,220**	**1,550,443**	**1,560,464**	**1,519,142**	**1,545,742**	**1,588,739**	**1,585,171**	**1,733,563**	**1,769,074**	**1,795,973**	**1,932,989**

2. SUMMARY OF LOAD AND CUSTOMER/CONNECTION FORECAST

2.1 Load and Revenue Forecasts

The purpose of this evidence is to present the process used by Atikokan to prepare the weather normalized load and customer/connection forecast used to design the proposed 2025 Test Year distribution rates.

In summary, Atikokan used a multivariate regression analysis consistent with numerous Cost of Service ("COS") applications approved by the Ontario Energy Board ("OEB" or "Board") over the past two decades. The regression analysis includes actual data to the end of 2023 and relies on statistically valid independent variables to forecast future results.

With regards to the overall process of load forecasting Atikokan is of the view that conducting a regression analysis on historical electricity purchases to produce an equation that will predict purchases is appropriate. Atikokan has data regarding the amount of electricity (in kWh) purchased from the IESO for use by its customers. Utilizing a regression analysis, these purchases can be related to other monthly explanatory variables, producing an equation that predicts the purchases based on the explanatory variables. This prediction model is then used as the basis to forecast the total level of weather normalized purchases for the Bridge and Test Years, which is converted to billed kWh by rate class. A detailed explanation of this process is provided in this evidence.

Based on the OEB's approval of this methodology in numerous COS applications, including Atikokan's 2017 COS, Atikokan submits the load forecasting methodology is reasonable for the purposes of this Application. The following materials support the weather normalized load forecast used by Atikokan in this Application.

Table 3-2, Table 3-3 and Table 3-4 below provide a summary of the weather normalized load and customer/connection forecast used in this Application.

Table 3-2: Summary of Load and Customer/Connection Forecast

Year	Billed Actual (GWh)	Growth (GWh)	Billed Weather Normal (GWh)	Growth (GWh)	Customer/ Connection Count	Growth
Billed Energy (GWh) and Customer Count / Connections						
2017 Board Approved	30.3				2,260	
2014	23.4		23.0		2,292	
2015	32.4	9.0	32.6	9.6	2,286	(6.2)
2016	35.5	3.1	36.3	3.7	2,270	(15.6)
2017	29.6	(5.9)	30.6	(5.7)	2,265	(4.7)
2018	30.1	0.5	29.5	(1.0)	2,261	(4.7)
2019	29.6	(0.6)	29.3	(0.3)	2,257	(3.4)
2020	30.5	0.9	30.0	0.8	2,254	(3.6)
2021	31.7	1.2	31.5	1.5	2,248	(5.6)
2022	30.0	(1.7)	29.6	(1.9)	2,245	(3.3)
2023	29.8	(0.2)	30.1	0.5	2,243	(1.5)
2024 Bridge	29.7	(0.1)	29.7	(0.4)	2,240	(3.7)
2025 Test	29.1	(0.6)	29.1	(0.6)	2,235	(4.3)

In the above Table 3-2, the billed GWh data from 2014 to 2023 reflects actual weather and weather normal conditions in each year. The weather normal values are the actual values adjusted by the weather normal conversion factor outlined in Table 3-6. The weather conversion factor is determined consistent with the approach outlined by the OEB in Appendix 2-IA. For 2024 and 2025, the forecasted billed GWh is presented on a weather normal basis.

Customer/Connection values are presented on an average basis throughout this evidence for the purpose of rate design, and street lights are measured as connections.

Table 3-3 provides the historical billed amounts on an actual and weather normalized basis by rate class using the weather normal conversion factor from Table 3-6. The forecasted billed amounts for 2024 and 2025 are also provided by rate class.

Table 3-3: Billed Energy by Rate Class

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total
Billed Energy (GWh) - Actual					
2014	9.7	5.3	7.8	0.5	23.4
2015	9.2	5.1	17.6	0.5	32.4
2016	8.9	5.0	21.2	0.5	35.5
2017	8.7	4.8	15.7	0.5	29.6
2018	9.1	4.7	15.9	0.4	30.1
2019	9.1	4.6	15.4	0.4	29.6
2020	9.3	4.3	16.6	0.4	30.5
2021	9.4	4.4	17.5	0.4	31.7
2022	9.4	4.6	15.6	0.4	30.0
2023	8.8	4.5	16.1	0.4	29.8
Billed Energy (GWh) - Weather Normal					
2017 Board Approved	9.7	5.1	15.0	0.5	30.3
2014	9.6	5.2	7.7	0.5	23.0
2015	9.3	5.2	17.7	0.5	32.6
2016	9.1	5.1	21.7	0.5	36.3
2017	9.0	4.9	16.2	0.5	30.6
2018	9.0	4.6	15.5	0.4	29.5
2019	9.0	4.6	15.3	0.4	29.3
2020	9.1	4.2	16.3	0.4	30.0
2021	9.4	4.3	17.4	0.4	31.5
2022	9.3	4.6	15.4	0.4	29.6
2023	8.9	4.6	16.3	0.4	30.1
2024 Bridge	8.9	4.6	15.9	0.3	29.7
2025 Test	8.8	4.5	15.5	0.3	29.1

Table 3-4 shows the historical and forecasted number of customers/connections by rate class along with the historical usage per customer/connection on an actual and weather normalized basis. The 2024 and 2025 forecasted usage per customer/connection is also provided on a weather normalized basis.

1 **Table 3-4: Number of Customers/Connections and Annual Usage by Rate Class**

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total
Number of Customers/Connections					
2017 Board Approved	1,389	228	17	625	2,260
2014	1,409	234	19	630	2,292
2015	1,404	235	19	627	2,286
2016	1,396	231	17	625	2,270
2017	1,390	233	17	626	2,265
2018	1,385	233	17	626	2,261
2019	1,382	233	16	626	2,257
2020	1,382	231	16	624	2,254
2021	1,375	233	16	624	2,248
2022	1,374	232	16	622	2,245
2023	1,373	233	16	621	2,243
2024 Bridge	1,369	233	16	622	2,240
2025 Test	1,365	232	15	622	2,235
Actual Annual Energy Usage per Customer/Connection (kWh per customer/connection)					
2014	6,918	22,749	417,983	741	
2015	6,572	21,801	937,701	739	
2016	6,364	21,397	1,219,235	740	
2017	6,268	20,544	921,610	726	
2018	6,602	20,281	951,275	670	
2019	6,580	19,957	963,874	651	
2020	6,701	18,372	1,036,148	650	
2021	6,864	18,733	1,104,078	648	
2022	6,818	19,980	953,782	635	
2023	6,427	19,347	1,003,887	639	
Normalized Annual Energy Usage per Customer/Connection (kWh per customer/connection)					
2017 Board Approved	6,968	22,405	884,974	739	
2014	6,801	22,364	410,910	728	
2015	6,610	21,928	943,153	744	
2016	6,505	21,871	1,246,207	756	
2017	6,476	21,223	952,067	750	
2018	6,470	19,876	932,262	657	
2019	6,508	19,740	953,392	644	
2020	6,600	18,093	1,020,448	640	
2021	6,834	18,652	1,099,290	645	
2022	6,740	19,752	942,923	627	
2023	6,505	19,582	1,016,057	647	
2024 Bridge	6,504	19,578	1,013,559	549	
2025 Test	6,427	19,348	1,003,916	549	

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2.2 Forecast Methodology – Multivariate Regression Model

Atikokan's weather normalized load forecast is developed through a three-step process. First, a total system weather normalized purchased energy forecast is developed based on a multivariate regression model that incorporates historical load, weather, and other variables that impact electricity usage. Second, the weather normalized purchased energy forecast is adjusted by a historical loss factor to produce a weather normalized billed energy forecast. Finally, the forecast of billed energy by rate class is developed based on a forecast of customer/connections numbers and the 2023 usage patterns per customer/connection. For the rate classes that have weather sensitive load their forecasted billed energy is adjusted to ensure that the total billed energy forecast by rate class is equivalent to the total weather normalized billed energy forecast that has been determined from the regression analysis. The forecast of customers by rate class is determined using a geometric mean analysis. For those rate classes that use kW for the distribution volumetric billing determinant, an adjustment factor is applied to the class energy forecast based on the historical relationship between kW and kWh.

Notwithstanding the methodology described above, Atikokan has employed a different approach to establish connections, kWh and kW for the Street Lights rate class. With respect to connection count, the geometric mean analysis indicates a slight continued decline in connections below the 2023 actual figure of 621. Atikokan has held the number of connections constant at a value of 622, for each of the 2024 Bridge and 2025 Test Years. With respect to kWh and kW, Atikokan has already established 2024 kWh and kW values for billing purposes of 341,006 kWh and 1,058 kW. The slight decline in billing determinants in 2024 relative to 2023 reflects the Town of Atikokan engaging in the retrofit of Street Lights toward the use of LED bulbs over the course of 2023. Though similar retrofits are anticipated to continue in 2024, Atikokan has held the 2024 kWh and kW values constant at 2024 levels for the 2025 Test Year for the purpose of this load forecast.

In light of data availability, and consistent with past practice, Atikokan has prepared this forecast on the basis of 10 years of historical data and submits this to be sufficient for the purpose of its load forecast and this Application.

2.3 Purchased kWh Load Forecast

An equation to predict total system purchased energy is developed using a multivariate regression model with the independent variables outlined below. The dependent variable in the multivariate regression analysis is Power Purchases by month, and the regression model uses monthly values of independent variables from January 2014 to December 2023 to determine the monthly regression coefficients.

With regards to weather normalization, Atikokan has reviewed the impact of weather over the past ten years, January 2014 to December 2023. The average weather conditions over this period are applied in the prediction formula to determine a weather normalized forecast for 2025.

The multivariate regression model has determined the drivers of year-over-year changes in Atikokan's load growth are: weather (heating and cooling degree days), days in month, number of customers, and the proportion (%) of Atikokan's General Service >50kW rate class billed kWh relative to the total billed kWh, as a representation of changes to Atikokan's customer mix over time. These factors are captured within the regression model. Atikokan did not include a variable for Conservation and Demand Management (CDM), nor were any explicit CDM adjustments made to the forecast.

The following outlines the predication model used by Atikokan to predict weather normal purchases for the 2025 Test Year.

Atikokan Monthly Predicted kWh Purchases:

= Heating Degree Days * 1,350
+ Cooling Degree Days * 11,537
+ Number of Days in the Month * 93,354
+ Number of Customers[1] * 6,509
+ GS > 50kW % of Total Billed Consumption * 4,273,404

[1] In Residential, GS <50kW, and GS >50 kW rate classes. Street Light connections are not included

+ Constant of (13,729,515)

The monthly data used in the regression model and the resulting monthly prediction for the actual and forecasted years are provided in Appendix 3-1.

The sources of historical data from 2014 through 2023 for the various data points are:

a) Environment Canada website for monthly heating degree day and cooling degree information. Weather data was obtained from the Atikokan AUT Weather Station. 18^{o}C is the base temperature from which heating degree days and cooling degree days are calculated.
b) Calendar-based number of days in the month.
c) The number of customers is based on average annual historical actuals from 2014 to 2023.
d) The proportion (%) of Atikokan's General Service >50kW rate class billed kWh relative to the total billed kWh, represented as a number between the values of 0.0 and 1.0.

The prediction formula has the following statistical results which generally indicate the formula has a very good fit to the actual data set.

Table 3-5: Statistical Results

R Square	91.3%
Adjusted R Square	90.9%
F Test	239
MAPE (Monthly)	3.7%
Durbin-Watson	1.5725
T-stats by Coefficient	
Heating Degree Days	28.6
Cooling Degree Days	11.1
Days in Month	6.1
GS >50 % of Total Consumption	24.4
Number of Customers	6.6
Constant	(7.9)

The annual results of the above prediction formula compared to the actual annual purchases from 2014 to 2023 are shown below in Table 3-6, along with the predicted total system purchases for Atikokan for 2024 and 2025 on a weather normal basis. Information is also provided to show the Weather Normal Conversion Factor which is used to weather normalize actual 2014 to 2023 volume data. In Table 3-6, the Predicted Weather Normal values are similar to the Predicted

amounts, but the weather normalized heating degree days and cooling degree days used to determine the weather normal forecast for 2024 and 2025 are used in the prediction formula in place of actual heating degree days and cooling degree days. The ratio of Predicted Weather Normal to Predicted values results in a Weather Normal Conversion Factor. This factor is applied to the Actual amount which results in the Actual Weather Normal value.

Table 3-6: Total System Purchases

Year	Actual	Predicted	% Difference	Predicted Weather Normal	Weather Normal Conversion Factor	Actual Weather Normal
Purchased Energy (GWh)						
2014	25.7	25.6	(0.6%)	25.2	0.9831	25.3
2015	34.9	35.2	0.6%	35.4	1.0058	35.1
2016	38.1	36.5	(4.1%)	37.3	1.0221	38.9
2017	32.0	32.3	0.8%	33.3	1.0330	33.1
2018	32.6	33.4	2.4%	32.7	0.9800	32.0
2019	32.0	32.4	1.4%	32.0	0.9891	31.6
2020	32.8	33.8	3.1%	33.3	0.9848	32.3
2021	33.7	33.3	(1.4%)	33.1	0.9957	33.6
2022	32.1	31.5	(1.9%)	31.1	0.9886	31.7
2023	31.9	32.0	0.3%	32.4	1.0121	32.3
2024 Bridge		32.0		32.0	1.0000	
2025 Test		31.4		31.4	1.0000	

The weather normalized amount for 2025 is determined by using 2025 dependent variables in the prediction formula on a monthly basis along with the average monthly heating degree days and cooling degree days which have occurred from January 2014 to December 2023 (i.e., 10 years).

2.4 Billed kWh Load Forecast

To determine the total weather normalized energy billed forecast, the total system weather normalized purchases forecast is adjusted by a historical loss factor. The historical loss factor used is 7.77% which represents the average loss factor from 2014 to 2023. With this average loss factor the total weather normalized billed energy before adjustment discussed below will be 29.7 (GWh) for 2024 (i.e., 32.0/1.0777) and 29.1 (GWh) for 2025 (i.e., 31.4/1.0777).

2.5 Billed kWh Load Forecast and Customer/Connection Forecast by Rate Class

Once the total weather normalized billed energy amount is known, this amount needs to be distributed by rate class for rate design purposes taking into consideration the customer/connection forecast and expected usage per customer by rate class.

The next step in the forecasting process is to determine a customer/connection forecast. The customer/connection forecast is based on reviewing historical customer/connection data that is available as shown in the following Table 3-7.

Table 3-7: Historical Customers/Connections (Average)

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total
Number of Customers/Connections					
2014	1,409	234	19	630	2,292
2015	1,404	235	19	627	2,286
2016	1,396	231	17	625	2,270
2017	1,390	233	17	626	2,265
2018	1,385	233	17	626	2,261
2019	1,382	233	16	626	2,257
2020	1,382	231	16	624	2,254
2021	1,375	233	16	624	2,248
2022	1,374	232	16	622	2,245
2023	1,373	233	16	621	2,243

From the historical customer/connection data the growth rate in customers/connections can be evaluated, which is provided in Table 3-8.

Table 3-8: Growth Rate in Customer/Connections

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights
Growth Rate in Customers/Connections				
2014				
2015	(0.3%)	0.5%	0.0%	(0.5%)
2016	(0.6%)	(1.7%)	(7.1%)	(0.3%)
2017	(0.5%)	0.5%	(2.4%)	0.2%
2018	(0.4%)	0.3%	(2.0%)	0.0%
2019	(0.2%)	(0.1%)	(4.0%)	0.0%
2020	0.0%	(0.7%)	0.0%	(0.3%)
2021	(0.5%)	0.6%	(1.0%)	0.0%
2022	(0.1%)	(0.3%)	3.2%	(0.3%)
2023	(0.1%)	0.2%	(2.0%)	(0.1%)
Geometric Mean	**(0.3%)**	**(0.1%)**	**(1.7%)**	**(0.2%)**

The growth factor resulting from the geometric mean analysis from 2014 to 2023 is applied to the 2023 customer numbers to determine the forecast of customer/connections for 2024, with the exception of Street Lights (as noted above), which are held constant. The factor is then applied again to the 2024 forecast to determine the 2025 forecast. Table 3-9 outlines the forecast of customers/connections by rate class for the 2024 Bridge Year and 2025 Test Year.

Table 3-9: Customer/Connection Forecast

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total
Forecast Number of Customers/Connections					
2024 Bridge	1,369	233	16	622	2,240
2025 Test	1,365	232	15	622	2,235

The next step in the process is to review the historical customer/connection usage and to reflect this usage per customer in the forecast. Table 3-10 below provides the average annual usage per customer by rate class for 2023.

Table 3-10: 2023 Actual Annual Usage per Customer

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights
Annual kWh Usage Per Customer/Connection				
2023	6,427	19,347	1,003,887	639

The 2024 and 2025 forecast of usage per customer/connection have been held constant at the 2023 level since the usage per customer/connection has generally been declining in most rate classes since 2016, though Atikokan has no information indicating this decline will continue into 2024 and 2025. The exception to this approach is Street Lights, for which actual known 2024 kWh are divided by forecast 2024 connections. The resulting usage forecast is as follows in Table 3-11.

Table 3-11: Forecast Annual kWh Usage per Customer/Connection

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights
Forecast Annual kWh Usage per Customers/Connection				
2024 Bridge	6,427	19,347	1,003,887	548
2025 Test	6,427	19,347	1,003,887	548

The preceding information is used to determine the non-normalized weather billed energy forecast by applying the forecast number of customers/connections from Table 3-9 by the forecast of annual usage per customer/connection from Table 3-11. The resulting non-normalized weather billed energy forecast is shown in the following Table 3-12.

Table 3-12: Non-Normalized Weather Billed Energy Forecast

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total
NON-normalized Weather Billed Energy Forecast (GWh)					
2024 Bridge	8.8	4.5	15.8	0.3	29.4
2025 Test	8.8	4.5	15.5	0.3	29.1

The non-normalized weather billed energy forecast has been determined, but this needs to be adjusted in order to be aligned with the total weather normalized billed energy forecast mentioned above of 29.7 (GWh) for 2024 and 29.1 (GWh) for 2025.

The difference between the non-normalized and normalized forecast is assumed to be the adjustment to move the forecast to a weather normal basis, and this amount will be assigned to those rate classes that are weather sensitive. Based on the weather normalization work completed by Hydro One for 2004 informing the original cost allocation informational studies it was determined that the weather sensitivity by rate classes is as presented in Table 3-13.

Table 3-13: Weather Sensitivity by Rate Class

Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights
Weather Sensitivity			
84%	84%	68%	0%

The difference between the non-normalized and normalized forecast has been assigned on a pro rata basis to each rate class based on the above level of weather sensitivity. The following Table 3-14 outlines how the classes have been adjusted to align the non-normalized forecast with the normalized forecast.

Table 3-14: Alignment of Non-normal to Weather Normal Forecast

Year	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights
Non-normalized Weather Billed Energy Forecast (GWh)				
2024 Bridge	8.8	4.5	15.8	0.3
2025 Test	8.8	4.5	15.5	0.3
Weather Adjustment (GWh)				
2024 Bridge	0.1	0.1	0.2	0.0
2025 Test	0.0	0.0	0.0	0.0
Weather Normalized Billed Energy Forecast (GWh)				
2024 Bridge	8.9	4.6	15.9	0.3
2025 Test	8.8	4.5	15.5	0.3

2.6 Billed kW Load Forecast

There are two Atikokan rate classes that are charged volumetric distribution on a per kW basis. For the GS >50kW and Street Lights rate classes, the energy forecast needs to be converted to a kW basis for rate setting purposes. To accomplish this conversion for the GS >50kW rate class, the 10-year average ratio of kW to kWh from 2014 through 2023 is applied to the forecasted kWh to produce the required kW for 2024 and 2025. For the Street Lights rate class, the actual known 2024 kW billing determinants are used for both 2024 and 2025, at a value of 1,058kW.

The following Table 3-15 outlines the average ratio of kW to kWh for the GS >50kW rate class from 2014 through 2023.

Table 3-15: 10-Year Average kW/KWh Ratio per Applicable Rate Class

Year	**General Service > 50 to 4999 kW**
Ratio of kW to kWh	
2014	0.3144%
2015	0.2876%
2016	0.2532%
2017	0.3201%
2018	0.3518%
2019	0.3133%
2020	0.2845%
2021	0.2827%
2022	0.2991%
2023	0.3009%
Average	**0.3008%**

The following Table 3-16 outlines the forecast of kW for the GS >50kW rate class which reflects the ratio in Table 3-15 being applied to the results in Table 3-14, alongside the forecast kW billing determinants for the Street Lights rate class.

Table 3-16: kW Forecast by Applicable Rate Class

Year	General Service > 50 to 4999 kW	Street Lights
Predicted Billed kW		
2024 Bridge	47,922	1,058
2025 Test	46,637	1,058

Table 3-17 below provides a summary of the load forecast on a billing determinant basis by rate class.

Table 3-17: Summary of Total Load Forecast

	2014 Actual	2015 Actual	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Actual	2022 Actual	2023 Actual	2024 Bridge Weather Normal	2025 Test Weather Normal
Actual kWh Purchases	25,737,257	34,929,593	38,074,821	32,032,893	32,615,191	31,966,205	32,780,486	33,741,759	32,081,389	31,929,641		
Predicted kWh Purchases	25,583,473	35,155,680	36,515,500	32,281,918	33,385,565	32,397,870	33,796,935	33,255,692	31,485,178	32,031,426	32,041,510	31,380,340
% Difference	-0.6%	0.6%	-4.1%	0.8%	2.4%	1.4%	3.1%	-1.4%	-1.9%	0.3%		
Total Billed	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
By Class												
Residential												
Customers	1,409	1,404	1,396	1,390	1,385	1,382	1,382	1,375	1,374	1,373	1,369	1,365
kWh	9,746,017	9,228,522	8,885,317	8,711,446	9,142,615	9,094,155	9,262,309	9,440,223	9,369,383	8,825,873	8,905,818	8,776,264
General Service < 50 kW												
Customers	234	235	231	233	233	233	231	233	232	233	233	232
kWh	5,326,984	5,132,275	4,951,711	4,776,480	4,728,872	4,649,965	4,251,506	4,361,719	4,638,599	4,501,424	4,551,846	4,495,158
General Service > 50 to 4999 kW												
Customers	19	19	17	17	17	16	16	16	16	16	16	15
kWh	7,837,176	17,581,900	21,235,005	15,667,365	15,854,586	15,421,989	16,578,364	17,481,241	15,578,432	16,062,198	15,933,653	15,506,375
kW	24,636	50,558	53,769	50,148	55,783	48,321	47,170	49,426	46,589	48,332	47,922	46,637
Street Lights												
Connections	630	627	625	626	626	626	624	624	622	621	622	622
kWh	466,563	463,596	462,429	454,607	419,431	407,470	405,749	404,183	394,776	397,289	341,006	341,006
kW	1,447	1,436	1,433	1,410	1,301	1,263	1,253	1,253	1,154	1,113	1,058	1,058
Total												
Customer/Connections	2,292	2,286	2,270	2,265	2,261	2,257	2,254	2,248	2,245	2,243	2,240	2,235
kWh	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
kW from applicable classes	26,083	51,994	55,202	51,557	57,083	49,585	48,423	50,680	47,742	49,445	48,980	47,695
Customer/Connections	2,292	2,286	2,270	2,265	2,261	2,257	2,254	2,248	2,245	2,243	2,240	2,235
kWh	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
kW from applicable classes	26,083	51,994	55,202	51,557	57,083	49,585	48,423	50,680	47,742	49,445	48,980	47,695
Check												
Customer/Connections	0	0	0	0	0	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0	0	0	0	0	0

3. ACCURACY OF LOAD FORECAST AND VARIANCE ANALYSIS

The following discussion provides a year over year variance analysis of Atikokan's distribution revenue and billing determinants. The variance analysis compares 2017 Board Approved to 2017 Actual; 2017 Actual to 2018 Actual; 2018 Actual to 2019 Actual; 2019 Actual to 2020 Actual; 2020 Actual to 2021; 2021 Actual to 2022 Actual; 2022 Actual to 2023 Actual; 2023 Actual to 2024 Bridge Year and 2024 Bridge Year to 2025 Test Year. The overall variance analysis has been provided based on a materiality threshold of $50,000 as per the OEB's response to the Very Small Utilities Working Group Report, issued March 28, 2025.

2017 Board Approved to 2017 Actual

Table 3-18 compares distribution revenues for 2017 Board Approved to 2017 Actuals. Table 3-19 compares the billing determinants (customers/connections and volumes).

The actual 2017 distribution revenue was $1,384,653 or $17,603 less than the 2017 Board approved amount.

Both individual rate class variances and the total variance in distribution revenue between 2017 Board Approved and 2017 Actual were less than $50,000, and not material.

Table 3-18: Distribution Revenue – 2017 Board Approved vs 2017 Actual

Distribution Throughput Revenue	2017 Board Approved	2017 Actual	Difference ($)	Difference (%)
Residential	778,100	754,760	(23,340)	-3.0%
General Service < 50 kW	232,745	244,269	11,524	5.0%
General Service > 50 to 4999 kW	268,511	266,076	(2,435)	-0.9%
Street Lights	122,900	119,548	(3,352)	-2.7%
Total	**1,402,256**	**1,384,653**	**(17,603)**	**-1.3%**

Table 3-19: Billing Determinants – 2017 Board Approved vs 2017 Actual

Weather Normal Conversion Factor												1.0330
Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2017 Board Approved	2017 Actual		2017 Board Approved	2017 Actual	2017 Board Approved	2017 Actual	2017 Board Approved	2017 Actual	2017 Board Approved	2017 Actual
Residential	1,389	1,390	kWh	9,682,147	8,711,446	10,002,125	8,999,344	6,968	6,268	7,199	6,476
General Service < 50 kW	228	233	kWh	5,119,281	4,776,480	5,288,464	4,934,335	22,405	20,544	23,146	21,223
General Service > 50 to 4999 kW	17	17	kW	42,599	50,148	44,007	51,805	2,506	2,950	2,589	3,047
Street Lights	625	626	kW	1,430	1,410	1,477	1,456	2	2	2	2
Total	2,260	2,265									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	0	0.0%	kWh	(970,701)	-10.0%	(1,002,780)	-10.0%	(700)	-10.0%	(723)	-10.0%
General Service < 50 kW	4	1.8%	kWh	(342,801)	-6.7%	(354,130)	-6.7%	(1,861)	-8.3%	(1,923)	-8.3%
General Service > 50 to 4999 kW	-	0.0%	kW	7,549	17.7%	7,798	17.7%	444	17.7%	459	17.7%
Street Lights	1	0.2%	kW	(20)	-1.4%	(21)	-1.4%	(0)	-1.6%	(0)	-1.6%
Total	5	0.2%									

2017 Actual to 2018 Actual

Table 3-20 compares distribution revenues for 2017 Actuals against 2018 Actuals. Table 3-21 compares the billing determinants (customers/connections and volumes).

2018 Actual distribution revenue was $1,449,301 or $64,648 higher than 2017 Actuals. The main driver for the variance is in the General Service > 50 class, specifically in the variable distribution volumetric charge due to the actual billed demands in 2018 being greater than the 2017 actuals.

Table 3-20: Distribution Revenue - 2017 Actual vs 2018 Actual

Distribution Throughput Revenue	2017 Actual	2018 Actual	Difference ($)	Difference (%)
Residential	754,760	778,621	23,860	3.2%
General Service < 50 kW	244,269	236,801	(7,468)	-3.1%
General Service > 50 to 4999 kW	266,076	311,390	45,315	17.0%
Street Lights	119,548	122,489	2,941	2.5%
Total	1,384,653	1,449,301	64,648	4.7%

Table 3-21: Billing Determinants - 2017 Actual vs 2018 Actual

Weather Normal Conversion Factor 2017												1.0330
Weather Normal Conversion Factor 2018												0.9800
Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2017 Actual	2018 Actual		2017 Actual	2018 Actual	2017 Actual	2018 Actual	2017 Actual	2018 Actual	2017 Actual	2018 Actual
Residential	1,390	1,385	kWh	8,711,446	9,142,615	8,999,344	8,959,881	6,268	6,602	6,476	6,470
General Service < 50 kW	233	233	kWh	4,776,480	4,728,872	4,934,335	4,634,355	20,544	20,281	21,223	19,876
General Service > 50 to 4999 kW	17	17	kW	50,148	55,783	51,805	54,668	2,950	3,347	3,047	3,280
Street Lights	626	626	kW	1,410	1,301	1,456	1,275	2	2	2	2
Total	2,265	2,261									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	(5)	-0.4%	kWh	431,169	4.9%	(39,464)	-0.4%	334	5.3%	(5)	-0.1%
General Service < 50 kW	1	0.3%	kWh	(47,609)	-1.0%	(299,980)	-6.1%	(263)	-1.3%	(1,347)	-6.3%
General Service > 50 to 4999 kW	(0)	-2.0%	kW	5,635	11.2%	2,863	5.5%	397	13.5%	233	7.6%
Street Lights	-	0.0%	kW	(109)	-7.7%	(182)	-12.5%	(0)	-7.7%	(0)	-12.5%
Total	(5)	-0.2%									

2018 Actual to 2019 Actual

Table 3-22 compares distribution revenues for 2018 Actuals against 2019 Actuals. Table 3-23 compares the billing determinants (customers/connections and volumes).

2019 Actual distribution revenue was $17,146 less than 2018 Actuals. The change in year over year distribution revenue in all classes is immaterial; per filing guidelines, no further explanation is required.

Table 3-22: Distribution Revenue - 2018 Actual vs 2019 Actual

Distribution Throughput Revenue	2018 Actual	2019 Actual	Difference ($)	Difference (%)
Residential	778,621	787,730	9,109	1.2%
General Service < 50 kW	236,801	238,814	2,013	0.9%
General Service > 50 to 4999 kW	311,390	282,294	(29,096)	-9.3%
Street Lights	122,489	123,317	828	0.7%
Total	1,449,301	1,432,156	(17,146)	-1.2%

Table 3-23: Billing Determinants - 2018 Actual vs 2019 Actual

Weather Normal Conversion Factor 2018	0.9800
Weather Normal Conversion Factor 2019	0.9891

Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2018 Actual	2019 Actual		2018 Actual	2019 Actual	2018 Actual	2019 Actual	2018 Actual	2019 Actual	2018 Actual	2019 Actual
Residential	1,385	1,382	kWh	9,142,615	9,094,155	8,959,881	8,995,250	6,602	6,580	6,470	6,508
General Service < 50 kW	233	233	kWh	4,728,872	4,649,965	4,634,355	4,599,393	20,281	19,957	19,876	19,740
General Service > 50 to 4999 kW	17	16	kW	55,783	48,321	54,668	47,796	3,347	3,020	3,280	2,987
Street Lights	626	626	kW	1,301	1,263	1,275	1,250	2	2	2	2
Total	2,261	2,257									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	(3)	-0.2%	kWh	(48,460)	-0.5%	35,370	0.4%	(23)	-0.3%	38	0.6%
General Service < 50 kW	(0)	-0.1%	kWh	(78,907)	-1.7%	(34,962)	-0.8%	(324)	-1.6%	(136)	-0.7%
General Service > 50 to 4999 kW	(1)	-4.0%	kW	(7,461)	-13.4%	(6,872)	-12.6%	(327)	-9.8%	(293)	-8.9%
Street Lights	-	0.0%	kW	(37)	-2.9%	(25)	-1.9%	(0)	-2.9%	(0)	-1.9%
Total	(3)	-0.2%									

2019 Actual to 2020 Actual

Table 3-24 compares distribution revenues for 2019 Actuals against 2020 Actuals. Table 3-25 compares the billing determinants (customers/connections and volumes).

2020 Actual distribution revenue was $1,464,700 or $32,544 higher than 2019 Actuals. The change in year over year distribution revenue in all classes is immaterial.

Table 3-24: Distribution Revenue - 2019 Actual vs 2020 Actual

Distribution Throughput Revenue	2019 Actual	2020 Actual	Difference ($)	Difference (%)
Residential	787,730	806,169	18,439	2.3%
General Service < 50 kW	238,814	240,389	1,575	0.7%
General Service > 50 to 4999 kW	282,294	293,037	10,742	3.8%
Street Lights	123,317	125,105	1,788	1.4%
Total	1,432,156	1,464,700	32,544	2.3%

Table 3-25: Billing Determinants - 2019 Actual vs 2020 Actual

Weather Normal Conversion Factor 2019	0.9891
Weather Normal Conversion Factor 2020	0.9848

Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2019 Actual	2020 Actual		2019 Actual	2020 Actual	2019 Actual	2020 Actual	2019 Actual	2020 Actual	2019 Actual	2020 Actual
Residential	1,382	1,382	kWh	9,094,155	9,262,309	8,995,250	9,121,963	6,580	6,701	6,508	6,600
General Service < 50 kW	233	231	kWh	4,649,965	4,251,506	4,599,393	4,187,086	19,957	18,372	19,740	18,093
General Service > 50 to 4999 kW	16	16	kW	48,321	47,170	47,796	46,455	3,020	2,948	2,987	2,903
Street Lights	626	624	kW	1,263	1,253	1,250	1,234	2	2	2	2
Total	2,257	2,254									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	-	0.0%	kWh	168,153	1.8%	126,712	1.4%	122	1.8%	92	1.4%
General Service < 50 kW	(2)	-0.7%	kWh	(398,458)	-8.6%	(412,307)	-9.0%	(1,585)	-7.9%	(1,647)	-8.3%
General Service > 50 to 4999 kW	-	0.0%	kW	(1,151)	-2.4%	(1,341)	-2.8%	(72)	-2.4%	(84)	-2.8%
Street Lights	(2)	-0.3%	kW	(10)	-0.8%	(15)	-1.2%	(0)	-0.5%	(0)	-0.9%
Total	(4)	-0.2%									

2020 Actual to 2021 Actual

Table 3-26 compares distribution revenues for 2020 Actuals against 2021 Actuals. Table 3-27 compares the billing determinants (customers/connections and volumes).

2021 Actual distribution revenue was $1,481,040 or $16,340 higher than 2020 Actuals. The change in year over year distribution revenue in all classes is immaterial.

Table 3-26: Distribution Revenue - 2020 Actual vs 2021 Actual

Distribution Throughput Revenue	2020 Actual	2021 Actual	Difference ($)	Difference (%)
Residential	806,169	811,843	5,674	0.7%
General Service < 50 kW	240,389	245,963	5,575	2.3%
General Service > 50 to 4999 kW	293,037	296,245	3,208	1.1%
Street Lights	125,105	126,989	1,883	1.5%
Total	1,464,700	1,481,040	16,340	1.1%

Table 3-27: Billing Determinants - 2020 Actual vs 2021 Actual

Weather Normal Conversion Factor 2020	0.9848
Weather Normal Conversion Factor 2021	0.9957

Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2020 Actual	2021 Actual		2020 Actual	2021 Actual	2020 Actual	2021 Actual	2020 Actual	2021 Actual	2020 Actual	2021 Actual
Residential	1,382	1,375	kWh	9,262,309	9,440,223	9,121,963	9,399,278	6,701	6,864	6,600	6,834
General Service < 50 kW	231	233	kWh	4,251,506	4,361,719	4,187,086	4,342,801	18,372	18,733	18,093	18,652
General Service > 50 to 4999 kW	16	16	kW	47,170	49,426	46,455	49,212	2,948	3,122	2,903	3,108
Street Lights	624	624	kW	1,253	1,253	1,234	1,248	2	2	2	2
Total	2,254	2,248									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	(7)	-0.5%	kWh	177,914	1.9%	277,315	3.0%	163	2.4%	234	3.6%
General Service < 50 kW	1	0.6%	kWh	110,212	2.6%	155,715	3.7%	362	2.0%	559	3.1%
General Service > 50 to 4999 kW	(0)	-1.0%	kW	2,256	4.8%	2,757	5.9%	174	5.9%	205	7.0%
Street Lights	-	0.0%	kW	-	0.0%	14	1.1%	-	0.0%	0	1.1%
Total	(6)	-0.2%									

2021 Actual to 2022 Actual

Table 3-28 compares distribution revenues for 2021 Actuals against 2022 Actuals. Table 3-29 compares the billing determinants (customers/connections and volumes).

2022 Actual distribution revenue was $1,469,046 or $11,994 lower than 2021 Actuals. The change in year over year distribution revenue in all classes is immaterial.

Table 3-28: Distribution Revenue - 2021 Actual vs 2022 Actual

Distribution Throughput Revenue	2021 Actual	2022 Actual	Difference ($)	Difference (%)
Residential	811,843	817,903	6,060	0.7%
General Service < 50 kW	245,963	246,695	731	0.3%
General Service > 50 to 4999 kW	296,245	276,275	(19,970)	-6.7%
Street Lights	126,989	128,174	1,185	0.9%
Total	1,481,040	1,469,046	(11,994)	-0.8%

Table 3-29: Billing Determinants - 2021 Actual vs 2022 Actual

Weather Normal Conversion Factor 2021	0.9957
Weather Normal Conversion Factor 2022	0.9886

Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2021 Actual	2022 Actual		2021 Actual	2022 Actual	2021 Actual	2022 Actual	2021 Actual	2022 Actual	2021 Actual	2022 Actual
Residential	1,375	1,374	kWh	9,440,223	9,369,383	9,399,278	9,262,714	6,864	6,818	6,834	6,740
General Service < 50 kW	233	232	kWh	4,361,719	4,638,599	4,342,801	4,585,789	18,733	19,980	18,652	19,752
General Service > 50 to 4999 kW	16	16	kW	49,426	46,589	49,212	46,058	3,122	2,852	3,108	2,820
Street Lights	624	622	kW	1,253	1,154	1,248	1,141	2	2	2	2
Total	2,248	2,245									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	(1)	-0.1%	kWh	(70,840)	-0.8%	(136,564)	-1.5%	(46)	-0.7%	(94)	-1.4%
General Service < 50 kW	(1)	-0.3%	kWh	276,880	6.3%	242,989	5.6%	1,246	6.7%	1,100	5.9%
General Service > 50 to 4999 kW	0	3.2%	kW	(2,838)	-5.7%	(3,154)	-6.4%	(269)	-8.6%	(288)	-9.3%
Street Lights	(2)	-0.3%	kW	(99)	-7.9%	(107)	-8.6%	(0)	-7.6%	(0)	-8.3%
Total	(3)	-0.1%									

2022 Actual to 2023 Actual

Table 3-30 compares distribution revenues for 2022 Actuals against the 2023 Actuals. Table 3-31 compares the billing determinants (customers/connections and volumes).

2023 Actual distribution revenue was $1,554,390, or $85,344 higher than 2022 Actuals. The variance is attributable to all rate classes; however, no rate class variance exceeded the materiality threshold of $50,000. Both residential and General Service < 50 were the main contributors to the difference. The residential rate class distribution revenue was $35,962 greater in 2023 than 2022; the main driver is inflationary rate increases. While Table 3-31 shows variances in the residential billing determinants, Atikokan has been fully fixed since May 1, 2019. The Geneal Service > 50 rate class 2023 distribution revenue was $32,374 more than 2022 which was attributable to an increase in the volumetric distribution revenue because of increase in demand from the prior year; see table 3-31 for differences.

Table 3-30: Distribution Revenue - 2022 Actual vs 2023 Actual

Distribution Throughput Revenue	2022 Actual	2023 Actual	Difference ($)	Difference (%)
Residential	817,903	853,864	35,962	4.4%
General Service < 50 kW	246,695	259,662	12,967	5.3%
General Service > 50 to 4999 kW	276,275	308,649	32,374	11.7%
Street Lights	128,174	132,216	4,042	3.2%
Total	1,469,046	1,554,390	85,344	5.8%

Table 3-31: Billing Determinants - 2022 Actual vs 2023 Actual

Weather Normal Conversion Factor 2022	0.9886
Weather Normal Conversion Factor 2023	1.0121

Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per Customer / Connection		Annual Usage per Customer / Connection (Wthr Nrml)	
	2022 Actual	2023 Actual		2022 Actual	2023 Actual	2022 Actual	2023 Actual	2022 Actual	2023 Actual	2022 Actual	2023 Actual
Residential	1,374	1,373	kWh	9,369,383	8,825,873	9,262,714	8,932,864	6,818	6,427	6,740	6,505
General Service < 50 kW	232	233	kWh	4,638,599	4,501,424	4,585,789	4,555,992	19,980	19,347	19,752	19,582
General Service > 50 to 4999 kW	16	16	kW	46,589	48,332	46,058	48,918	2,852	3,021	2,820	3,057
Street Lights	622	621	kW	1,154	1,113	1,141	1,126	2	2	2	2
Total	2,245	2,243									
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**
Residential	(1)	-0.1%	kWh	(543,510)	-5.8%	(329,850)	-3.6%	(391)	-5.7%	(235)	-3.5%
General Service < 50 kW	1	0.2%	kWh	(137,175)	-3.0%	(29,797)	-0.6%	(633)	-3.2%	(171)	-0.9%
General Service > 50 to 4999 kW	(0)	-2.0%	kW	1,744	3.7%	2,860	6.2%	168	5.9%	238	8.4%
Street Lights	(1)	-0.1%	kW	(41)	-3.6%	(15)	-1.3%	(0)	-3.5%	(0)	-1.2%
Total	(1)	-0.1%									

2023 Actual to 2024 Bridge

Table 3-32 compares distribution revenues for 2023 Actuals against forecast distribution revenue for the 2024 Bridge Year. Table 3-33 compares the billing determinants (customers/connections and volumes).

2024 Bridge distribution revenue is forecasted to be $1,607,679 or $53,289 higher than 2023 Actuals. The variance is attributable to all rate classes; however, no rate class variance exceeded the materiality threshold of $50,000. The residential rate class, does however, have the greatest variance, $35,081. The residential rate class is fully fixed, thereby, this variance is a result of the increase in proposed rates; there is no forecasted growth in customer count, historically the trend is to decline.

Table 3-32: Distribution Revenue - 2023 Actual vs 2024 Bridge

Distribution Throughput Revenue	2023 Actual	2024 Bridge	Difference ($)	Difference (%)
Residential	853,864	888,946	35,081	4.1%
General Service < 50 kW	259,662	268,458	8,796	3.4%
General Service > 50 to 4999 kW	308,649	313,057	4,408	1.4%
Street Lights	132,216	137,218	5,003	3.8%
Total	1,554,390	1,607,679	53,289	3.4%

Table 3-33: Billing Determinants - 2023 Actual vs 2024 Bridge

										Weather Normal Conversion Factor 2023		1.0121	
Rate Class	Customers / Connections		Units	Volume		Volume (Wthr Nrml)		Annual Usage per		Annual Usage per		
	2023 Actual	2024 Bridge		2023 Actual	2024 Bridge	2023 Actual	2024 Bridge	2023 Actual	2024 Bridge	2023 Actual	2024 Bridge	
Residential	1,373	1,369	kWh	8,825,873	8,905,818	8,932,864	8,905,818	6,427	6,504	6,505	6,504	
General Service < 50 kW	233	233	kWh	4,501,424	4,551,846	4,555,992	4,551,846	19,347	19,578	19,582	19,578	
General Service > 50 to 4999 kW	16	16	kW	48,332	47,922	48,918	47,922	3,021	3,048	3,057	3,048	
Street Lights	621	622	kW	1,113	1,058	1,126	1,058	2	2	2	2	
Total	2,243	2,240										
Variance	**Count**	**%**		**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	**Volume**	**%**	
Residential	(4)	-0.3%	kWh	79,945	0.9%	(27,046)	-0.3%	77	1.2%	(1)	0.0%	
General Service < 50 kW	(0)	-0.1%	kWh	50,422	1.1%	(4,146)	-0.1%	231	1.2%	(4)	0.0%	
General Service > 50 to 4999 kW	(0)	-1.7%	kW	(410)	-0.8%	(996)	-2.0%	28	0.9%	(9)	-0.3%	
Street Lights	1	0.1%	kW	(55)	-4.9%	(68)	-6.0%	(0)	-5.0%	(0)	-6.1%	
Total	(4)	-0.2%										

2024 Bridge to 2025 Test

Table 3-34 compares distribution revenues for the 2025 Test Year at existing 2024 rates against the 2024 Bridge Year. Table 3-35 compares distribution revenues for the 2025 Test Year at proposed rates against the 2024 Bridge Year. Table 3-36 compares the billing determinants (customers/connections and volumes).

Table 3-34 illustrates the impact of billing determinant changes between the 2024 Bridge Year and 2025 Test Year on distribution revenue, since distribution rates are held constant, while Table 3-35 illustrates both changes in billing determinants and implementation of proposed 2025 rates.

Table 3-34: Distribution Revenue - 2024 Bridge vs 2025 Test at Current Rates

Distribution Throughput Revenue	2024 Bridge	2025 Test	Difference ($)	Difference (%)
Residential	888,946	985,347	96,401	10.8%
General Service < 50 kW	268,458	296,561	28,103	10.5%
General Service > 50 to 4999 kW	313,057	338,614	25,557	8.2%
Street Lights	137,218	139,208	1,990	1.5%
Total	1,607,679	1,759,730	152,051	9.5%

Table 3-35: Billing Determinants - 2024 Bridge vs 2025 Test

Rate Class	Customers / Connections		Units	Volume (Wthr Nrml)		Annual Usage per Customer / Connection (Wthr Nrml)	
	2024 Bridge	2025 Test		2024 Bridge	2025 Test	2024 Bridge	2025 Test
Residential	1,369	1,365	kWh	8,905,818	8,776,264	6,504	6,427
General Service < 50 kW	233	232	kWh	4,551,846	4,495,158	19,578	19,348
General Service > 50 to 4999 kW	16	15	kW	47,922	46,637	3,048	3,019
Street Lights	622	622	kW	1,058	1,058	2	2
Total	2,240	2,235					
Variance	**Count**	**%**		**Volume**	**%**	**Dollars**	**%**
Residential	(4)	-0.3%	kWh	(129,554)	-1.5%	(76)	-1.2%
General Service < 50 kW	(0)	-0.1%	kWh	(56,688)	-1.2%	(230)	-1.2%
General Service > 50 to 4999 kW	(0)	-1.7%	kW	(1,285)	-2.7%	(29)	-1.0%
Street Lights	-	0.0%	kW	-	0.0%	-	0.0%
Total	(4)	-0.2%					

APPENDIX 3-1: MONTHLY DATA USED IN REGRESSION MODEL

	Power Purchased	Heating Degree Days	Cooling Degree Days	Days in Month	GS >50 % of Total Consumption	Number of Customers	Predicted Purchases
Jan-14	2,761,299	1,216	0	31	0.29	1663	2,849,987
Feb-14	2,342,483	1,022	0	28	0.28	1661	2,277,016
Mar-14	2,371,697	928	0	31	0.31	1660	2,544,404
Apr-14	2,027,541	555	0	30	0.31	1664	1,983,524
May-14	2,114,434	238	8	31	0.41	1662	2,148,199
Jun-14	2,006,390	79	16	30	0.43	1661	2,016,443
Jul-14	1,923,392	54	21	31	0.35	1660	1,769,852
Aug-14	1,772,038	60	11	31	0.32	1660	1,558,392
Sep-14	1,627,031	168	2	30	0.32	1663	1,503,792
Oct-14	1,867,083	390	0	31	0.32	1660	1,875,332
Nov-14	2,418,281	781	0	30	0.37	1663	2,515,474
Dec-14	2,505,588	822	0	31	0.34	1663	2,541,059
Jan-15	2,800,319	1,032	0	31	0.32	1661	2,732,447
Feb-15	3,188,321	1,110	0	28	0.48	1661	3,231,840
Mar-15	3,098,064	714	0	31	0.52	1665	3,207,122
Apr-15	2,804,097	459	0	30	0.56	1662	2,904,252
May-15	2,854,967	246	0	31	0.61	1660	2,916,714
Jun-15	2,606,320	80	2	30	0.59	1657	2,492,066
Jul-15	2,794,535	22	49	31	0.56	1659	2,949,066
Aug-15	2,464,993	67	32	31	0.52	1658	2,618,306
Sep-15	2,735,638	101	24	30	0.58	1657	2,739,865
Oct-15	3,277,791	358	0	31	0.66	1653	3,232,340
Nov-15	2,993,118	503	0	30	0.56	1655	2,909,709
Dec-15	3,311,430	733	0	31	0.54	1653	3,221,953
Jan-16	3,290,091	935	0	31	0.48	1645	3,182,548
Feb-16	3,348,371	880	0	29	0.55	1648	3,252,611
Mar-16	3,438,127	589	0	31	0.65	1646	3,452,569
Apr-16	3,371,239	493	0	30	0.60	1647	3,009,478
May-16	2,942,361	201	1	31	0.62	1646	2,804,049
Jun-16	2,792,447	112	9	30	0.63	1646	2,737,762
Jul-16	2,939,011	22	48	31	0.58	1643	2,905,544
Aug-16	3,308,180	25	34	31	0.63	1642	2,984,833
Sep-16	2,648,035	112	5	30	0.61	1646	2,606,913
Oct-16	3,174,147	342	0	31	0.65	1649	3,147,386
Nov-16	3,233,149	482	0	30	0.62	1642	3,057,554
Dec-16	3,589,664	867	0	31	0.55	1639	3,374,252
Jan-17	3,196,951	950	0	31	0.49	1639	3,216,259
Feb-17	3,016,939	755	0	28	0.55	1638	2,935,525
Mar-17	2,778,959	737	0	31	0.49	1639	2,939,742
Apr-17	2,590,214	430	0	30	0.55	1641	2,690,354
May-17	2,453,029	281	0	31	0.57	1643	2,665,332
Jun-17	2,143,237	76	3	30	0.52	1641	2,090,495
Jul-17	2,611,439	32	27	31	0.54	1641	2,519,926

Aug-17	2,381,306	72	5	31	0.54	1637	2,269,046
Sep-17	2,270,916	158	7	30	0.56	1640	2,429,515
Oct-17	2,720,524	274	0	31	0.59	1638	2,718,604
Nov-17	2,769,600	549	0	30	0.50	1637	2,609,646
Dec-17	3,099,779	1,035	0	31	0.46	1637	3,197,473
Jan-18	3,295,932	1,036	0	31	0.39	1636	2,857,870
Feb-18	2,884,547	983	0	28	0.57	1635	3,292,165
Mar-18	2,851,030	749	0	31	0.52	1634	3,017,990
Apr-18	2,883,477	600	0	30	0.60	1635	3,078,931
May-18	2,581,972	170	14	31	0.56	1634	2,593,570
Jun-18	2,354,656	56	23	30	0.55	1632	2,375,960
Jul-18	2,480,784	20	49	31	0.50	1633	2,497,016
Aug-18	2,500,079	38	34	31	0.53	1634	2,504,698
Sep-18	2,323,098	153	6	30	0.55	1634	2,315,604
Oct-18	2,718,815	491	0	31	0.57	1636	2,907,933
Nov-18	2,722,436	751	0	30	0.49	1637	2,843,050
Dec-18	3,018,365	860	0	31	0.50	1635	3,100,778
Jan-19	3,433,302	1,127	0	31	0.50	1634	3,473,507
Feb-19	2,889,691	963	0	28	0.49	1630	2,901,689
Mar-19	2,895,065	773	0	31	0.51	1632	2,991,573
Apr-19	2,605,908	470	0	30	0.57	1632	2,766,147
May-19	2,494,751	308	0	31	0.56	1632	2,599,845
Jun-19	2,134,527	114	17	30	0.50	1633	2,196,523
Jul-19	2,456,161	17	39	31	0.50	1630	2,361,788
Aug-19	2,333,314	67	19	31	0.51	1632	2,285,901
Sep-19	1,917,514	173	6	30	0.46	1633	1,975,022
Oct-19	2,221,172	412	0	31	0.48	1628	2,357,474
Nov-19	3,012,737	715	0	30	0.55	1629	2,996,080
Dec-19	3,572,063	930	0	31	0.58	1629	3,492,320
Jan-20	3,441,071	914	0	31	0.55	1624	3,325,378
Feb-20	2,983,572	932	0	29	0.53	1626	3,078,453
Mar-20	2,833,284	699	0	31	0.53	1625	2,942,579
Apr-20	2,572,836	511	0	30	0.54	1631	2,705,682
May-20	2,339,315	251	6	31	0.53	1629	2,455,973
Jun-20	2,248,351	75	39	30	0.52	1633	2,465,499
Jul-20	2,759,392	14	74	31	0.53	1633	2,912,096
Aug-20	2,286,313	41	29	31	0.49	1631	2,267,483
Sep-20	2,421,573	218	1	30	0.60	1635	2,588,300
Oct-20	2,767,070	529	0	31	0.57	1632	2,929,451
Nov-20	2,883,440	595	0	30	0.56	1629	2,884,607
Dec-20	3,244,269	829	0	31	0.55	1627	3,241,435
Jan-21	3,358,707	883	0	31	0.54	1627	3,274,368
Feb-21	3,209,565	963	0	28	0.52	1627	3,005,628
Mar-21	3,056,137	597	0	31	0.57	1626	3,003,000
Apr-21	2,479,718	419	0	30	0.54	1629	2,566,788
May-21	2,351,202	243	9	31	0.53	1627	2,454,551
Jun-21	2,504,808	45	38	30	0.53	1628	2,438,417
Jul-21	2,673,112	19	63	31	0.51	1620	2,640,075

Aug-21	2,675,474	40	59	31	0.54	1621	2,743,537
Sep-21	2,197,996	127	4	30	0.54	1627	2,178,320
Oct-21	2,427,627	279	0	31	0.57	1620	2,519,363
Nov-21	3,173,171	616	0	30	0.60	1617	3,007,392
Dec-21	3,634,242	888	0	31	0.59	1619	3,424,253
Jan-22	3,730,633	1,196	0	31	0.52	1619	3,556,641
Feb-22	3,500,194	1,040	0	28	0.56	1622	3,258,638
Mar-22	3,236,575	789	0	31	0.57	1623	3,228,954
Apr-22	2,633,308	558	0	30	0.54	1626	2,701,233
May-22	2,270,315	251	1	31	0.50	1623	2,228,288
Jun-22	2,176,799	105	22	30	0.51	1622	2,205,049
Jul-22	2,808,240	33	30	31	0.57	1624	2,581,039
Aug-22	2,548,063	19	29	31	0.54	1625	2,391,420
Sep-22	2,147,586	164	3	30	0.52	1626	2,149,374
Oct-22	2,029,060	363	0	31	0.45	1622	2,128,479
Nov-22	2,057,061	621	0	30	0.38	1619	2,069,203
Dec-22	2,943,555	894	0	31	0.48	1622	2,986,861
Jan-23	3,213,905	907	0	31	0.53	1621	3,189,923
Feb-23	2,857,040	863	0	28	0.52	1621	2,836,099
Mar-23	2,844,422	782	0	31	0.53	1622	3,029,252
Apr-23	2,467,435	527	0	30	0.52	1621	2,554,346
May-23	2,229,843	178	4	31	0.51	1625	2,198,255
Jun-23	2,401,668	41	46	30	0.52	1625	2,464,057
Jul-23	2,453,467	50	18	31	0.53	1624	2,289,471
Aug-23	2,545,941	44	22	31	0.55	1624	2,410,509
Sep-23	2,484,874	111	25	30	0.58	1623	2,549,994
Oct-23	2,606,166	388	11	31	0.58	1620	2,822,978
Nov-23	2,817,960	585	0	30	0.55	1619	2,740,075
Dec-23	3,006,920	663	0	31	0.55	1618	2,946,466
Jan-24		1,019	0	31	0.54	1,618	3,362,952
Feb-24		951	0	29	0.54	1,618	3,083,899
Mar-24		736	0	31	0.54	1,618	2,979,614
Apr-24		502	0	30	0.54	1,618	2,571,118
May-24		237	4	31	0.54	1,618	2,355,885
Jun-24		78	21	30	0.54	1,618	2,245,894
Jul-24		28	42	31	0.54	1,618	2,505,213
Aug-24		47	27	31	0.54	1,618	2,365,762
Sep-24		149	8	30	0.54	1,618	2,188,783
Oct-24		382	1	31	0.54	1,618	2,515,650
Nov-24		620	0	30	0.54	1,618	2,729,891
Dec-24		852	0	31	0.54	1,618	3,136,849
Jan-25		1,019	0	31	0.53	1,617	3,343,164
Feb-25		951	0	28	0.53	1,616	2,965,743
Mar-25		736	0	31	0.53	1,616	2,949,802
Apr-25		502	0	30	0.53	1,615	2,536,297
May-25		237	4	31	0.53	1,614	2,316,057
Jun-25		78	21	30	0.53	1,613	2,201,063
Jul-25		28	42	31	0.53	1,613	2,455,380

Aug-25		47	27	31	0.53	1,612	2,310,931
Sep-25		149	8	30	0.53	1,611	2,128,955
Oct-25		382	1	31	0.53	1,610	2,450,828
Nov-25		620	0	30	0.53	1,610	2,660,076
Dec-25		852	0	31	0.53	1,609	3,062,044

APPENDIX 3-2: OEB APPPENDIX 2-IB ACTUAL AND FORECAST ANALYSIS

Customers/Connections

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential	1,383	1,381	1,374	1,374	1,372	1,369	1,365
General Service < 50 kW	230	230	229	229	230	233	232
General Service >= 50 kW	16	16	16	16	16	16	15
Large User	-	-	-	-			
Unmetered Scattered Load Connections	-	-	-	-			
Sentinel Lighting Connections	-	-	-	-			
Street Lighting Connections	626	626	626	622	622	622	622
Wholesale Market Participants	-	-	-	-			
Embedded Distributor(s)	-	-	-	-			
Sub Transmission Customers	-	-	-	-			

Customers/Connections Variance Analysis

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential		0%	-1%	0%	0%	0%	0%
General Service < 50 kW		0%	0%	0%	0%	1%	0%
General Service >= 50 kW		0%	0%	0%	0%	0%	-6%
Large User		0%	0%	0%	0%	0%	0%
Unmetered Scattered Load Connections		0%	0%	0%	0%	0%	0%
Sentinel Lighting Connections		0%	0%	0%	0%	0%	0%
Street Lighting Connections		0%	0%	-1%	0%	0%	0%
Wholesale Market Participants		0%	0%	0%	0%	0%	0%
Embedded Distributor(s)		0%	0%	0%	0%	0%	0%
Sub Transmission Customers		0%	0%	0%	0%	0%	0%

Consumption (Actual)

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential	9,094,656	9,262,309	9,440,223	9,369,383	8,825,873	8,905,818	8,776,264
General Service < 50 kW	4,649,965	4,251,506	4,361,719	4,638,599	4,501,424	4,551,846	4,495,158
General Service >= 50 kW	15,421,989	16,578,363	17,481,241	15,578,432	16,062,198	15,933,653	15,506,375
Large User	-	-	-	-			
Unmetered Scattered Load Connections	-	-	-	-			
Sentinel Lighting Connections	-	-	-	-			
Street Lighting Connections	407,470	405,749	404,183	394,776	397,289	341,006	341,006
Wholesale Market Participants	-	-	-	-			
Embedded Distributor(s)	-	-	-	-			
Sub Transmission Customers	-	-	-	-			

Consumption (Actual) Variance Analysis

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential		2%	2%	-1%	-6%	1%	-1%
General Service < 50 kW		-9%	3%	6%	-3%	1%	-1%
General Service >= 50 kW		7%	5%	-11%	3%	-1%	-3%
Large User							
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections		0%	0%	-2%	1%	-14%	0%
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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Demand (Actual)

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential	-	-	-	-			
General Service < 50 kW	-	-	-	-			
General Service >= 50 kW	48,321	47,170	49,426	46,589	48,322	47,922	46,637
Large User	-	-	-	-			
Unmetered Scattered Load Connections	-	-	-	-			
Sentinel Lighting Connections	-	-	-	-			
Street Lighting Connections	1,263	1,253	1,253	1,154	1,113	1,058	1,058
Wholesale Market Participants	-	-	-	-			
Embedded Distributor(s)	-	-	-	-			
Sub Transmission Customers	-	-	-	-			

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Demand (Actual) Variance Analysis

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential							
General Service < 50 kW							
General Service >= 50 kW		-2%	5%	-6%	4%	-1%	-3%
Large User							
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections		-1%	0%	-8%	-4%	-5%	0%
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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Consumption (Weather Normalized)

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential	8,995,250	9,121,963	9,399,278	9,262,714	8,932,864	8,905,818	8,776,264
General Service < 50 kW	4,599,393	4,187,086	4,342,801	4,585,789	4,555,992	4,551,846	4,495,158
General Service >= 50 kW							
Large User							
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections							
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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Consumption (Weather Normalized) Variance Analysis

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential		1%	3%	-1%	-4%	0%	-1%
General Service < 50 kW		-9%	4%	6%	-1%	0%	-1%
General Service >= 50 kW							
Large User							
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections							
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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Demand (Weather Normalized)

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential							
General Service < 50 kW							
General Service >= 50 kW	54,668	46,455	49,212	46,058	48,918	47,922	46,637
Large User	1,275	1,234	1,248	1,141	1,126	1,058	1,058
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections							
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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Demand (Weather Normalized) Variance Analysis

Rate Class	Historical 2019	Historical 2020	Historical 2021	Historical 2022	Historical 2023	Bridge Year 2024	Test Year 2025
Residential							
General Service < 50 kW							
General Service >= 50 kW		-15%	6%	-6%	6%	-2%	-3%
Large User		-3%	1%	-9%	-1%	-6%	0%
Unmetered Scattered Load Connections							
Sentinel Lighting Connections							
Street Lighting Connections							
Wholesale Market Participants							
Embedded Distributor(s)							
Sub Transmission Customers							

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APPENDIX 3-3: ATIKOKAN_2025_ LOAD FORECAST MODEL

Atikokan has filed the complete load forecast model separately in excel. The following pages include pdfs of the model.

Atikokan Weather Normal Load Forecast for 2025 Rate Application												
	2014 Actual	**2015 Actual**	**2016 Actual**	**2017 Actual**	**2018 Actual**	**2019 Actual**	**2020 Actual**	**2021 Actual**	**2022 Actual**	**2023 Actual**	**2024 Bridge Weather Normal**	**2025 Test Weather Normal**
Actual kWh Purchases	25,737,257	34,929,593	38,074,821	32,032,893	32,615,191	31,966,205	32,780,486	33,741,759	32,081,389	31,929,641		
Predicted kWh Purchases	25,583,473	35,155,680	36,515,500	32,281,918	33,385,565	32,397,870	33,796,935	33,255,692	31,485,178	32,031,426	32,041,510	31,380,340
% Difference	-0.6%	0.6%	-4.1%	0.8%	2.4%	1.4%	3.1%	-1.4%	-1.9%	0.3%		
Total Billed	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
By Class												
Residential												
Customers	1,409	1,404	1,396	1,390	1,385	1,382	1,382	1,375	1,374	1,373	1,369	1,365
kWh	9,746,017	9,228,522	8,885,317	8,711,446	9,142,615	9,094,155	9,262,309	9,440,223	9,369,383	8,825,873	8,905,818	8,776,264
General Service < 50 kW												
Customers	234	235	231	233	233	233	231	233	232	233	233	232
kWh	5,326,984	5,132,275	4,951,711	4,776,480	4,728,872	4,649,965	4,251,506	4,361,719	4,638,599	4,501,424	4,551,846	4,495,158
General Service > 50 to 4999 kW												
Customers	19	19	17	17	17	16	16	16	16	16	16	15
kWh	7,837,176	17,581,900	21,235,005	15,667,365	15,854,586	15,421,989	16,578,364	17,481,241	15,578,432	16,062,198	15,933,653	15,506,375
kW	24,636	50,558	53,769	50,148	55,783	48,321	47,170	49,426	46,589	48,332	47,922	46,637
Street Lights												
Connections	630	627	625	626	626	626	624	624	622	621	622	622
kWh	466,563	463,596	462,429	454,607	419,431	407,470	405,749	404,183	394,776	397,289	341,006	341,006
kW	1,447	1,436	1,433	1,410	1,301	1,263	1,253	1,253	1,154	1,113	1,058	1,058
Total												
Customer/Connections	2,292	2,286	2,270	2,265	2,261	2,257	2,254	2,248	2,245	2,243	2,240	2,235
kWh	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
kW from applicable classes	26,083	51,994	55,202	51,557	57,083	49,585	48,423	50,680	47,742	49,445	48,980	47,695
Customer/Connections	2,292	2,286	2,270	2,265	2,261	2,257	2,254	2,248	2,245	2,243	2,240	2,235
kWh	23,376,739	32,406,292	35,534,463	29,609,898	30,145,504	29,573,579	30,497,928	31,687,365	29,981,191	29,786,784	29,732,323	29,118,803
kW from applicable classes	26,083	51,994	55,202	51,557	57,083	49,585	48,423	50,680	47,742	49,445	48,980	47,695
Check												
Customer/Connections	0	0	0	0	0	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0	0	0	0	0	0

	Purchases	Modeled Purchases	Difference	% Difference	Loss Factor	Total Billed	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights		
2014	25,737,257	25,583,473	(153,784)	-0.6%	1.1010	23,376,739	9,746,017	5,326,984	7,837,176	466,563		
2015	34,929,593	35,155,680	226,087	0.6%	1.0779	32,406,292	9,228,522	5,132,275	17,581,900	463,596		
2016	38,074,821	36,515,500	(1,559,322)	-4.1%	1.0715	35,534,463	8,885,317	4,951,711	21,235,005	462,429		
2017	32,032,893	32,281,918	249,025	0.8%	1.0818	29,609,898	8,711,446	4,776,480	15,667,365	454,607		
2018	32,615,191	33,385,565	770,374	2.4%	1.0819	30,145,504	9,142,615	4,728,872	15,854,586	419,431		
2019	31,966,205	32,397,870	431,665	1.4%	1.0809	29,573,579	9,094,155	4,649,965	15,421,989	407,470		
2020	32,780,486	33,796,935	1,016,450	3.1%	1.0748	30,497,928	9,262,309	4,251,506	16,578,364	405,749		
2021	33,741,759	33,255,692	(486,067)	-1.4%	1.0648	31,687,365	9,440,223	4,361,719	17,481,241	404,183		
2022	32,081,389	31,485,178	(596,211)	-1.9%	1.0701	29,981,191	9,369,383	4,638,599	15,578,432	394,776		
2023	31,929,641	32,031,426	101,785	0.3%	1.0719	29,786,784	8,825,873	4,501,424	16,062,198	397,289		
2024		32,041,510				29,732,323						
2025		31,380,340				29,118,803						
Average				Last 10 years	1.0777							
Usage Per Customer												
2023							6,427	19,347	1,003,887	639		
2024							6,427	19,347	1,003,887	548		
2025							6,427	19,347	1,003,887	548		
Non Weather Corrected Forecast												
2024						29,421,714	8,800,879	4,498,211	15,781,617	341,006		
2025						29,117,901	8,775,957	4,495,000	15,505,938	341,006		
Weather Corrected Forecast												
2024						29,732,323	8,905,818	4,551,846	15,933,653	341,006	29,732,323	0.536
2025						29,118,803	8,776,264	4,495,158	15,506,375	341,006	29,118,803	0.533
% Weather Sensitive							84%	84%	67.8%	0%		
2024						310,609	7,383,023	3,773,531	10,696,654	0	21,853,208	
2025						902	7,362,115	3,770,838	10,509,801	0	21,642,754	
Allocation of Weather Sensitive Amount												
2024						310,609	104,938	53,635	152,036	0		
2025						902	307	157	438	0		

	Average Number of Customer/Connections													
	Residential	General Service < 50 kW	General Service > 50 to 4999 kW	Street Lights	Total		Number of Customers						1618	1,618
2014	1,409	234	19	630	2,292		1,662						2024	2025
2015	1,404	235	19	627	2,286		1,658					Jan	1,618	1,617
2016	1,396	231	17	625	2,270		1,645					Feb	1,618	1,616
2017	1,390	233	17	626	2,265		1,639					Mar	1,618	1,616
2018	1,385	233	17	626	2,261		1,635					Apr	1,618	1,615
2019	1,382	233	16	626	2,257		1,631					May	1,618	1,614
2020	1,382	231	16	624	2,254		1,630					Jun	1,618	1,613
2021	1,375	233	16	624	2,248		1,624		**Average Monthly Growth (%)**			Jul	1,618	1,613
2022	1,374	232	16	622	2,245		1,623		Annual	Monthly		Aug	1,618	1,612
2023	1,373	233	16	621	2,243		1,622	2024	0.00%	0.00%		Sep	1,618	1,611
2024	1,369	233	16	622	2,240		1,618	2025	-0.57%	-0.05%		Oct	1,618	1,610
2025	1,365	232	15	622	2,235		1,613					Nov	1,618	1,610
												Dec	1,618	1,609
												Average	1,618	1,613
Growth Rate in Customer Numbers														
												Check ->	**0**	**0**
2015	0.9968	1.0053	1.0000	0.9954										
2016	0.9942	0.9830	0.9289	0.9967										
2017	0.9955	1.0047	0.9761	1.0016										
2018	0.9964	1.0029	0.9804	1.0000										
2019	0.9981	0.9993	0.9600	1.0000										
2020	1.0000	0.9932	1.0000	0.9968										
2021	0.9951	1.0061	0.9896	1.0000										
2022	0.9992	0.9971	1.0316	0.9968										
2023	0.9993	1.0022	0.9796	0.9989										
Used	0.9972	0.9993	0.9825	0.9985	Input data									
Geomean	0.9972	0.9993	0.9825	0.9985										
GS Avg	0.9930													

	General Service > 50 to 4999 kW	Street Lights	Total	
2014	24,636	1,447	26,083	Demand only
2015	50,558	1,436	51,994	
2016	53,769	1,433	55,202	
2017	50,148	1,410	51,557	
2018	55,783	1,301	57,083	
2019	48,321	1,263	49,585	
2020	47,170	1,253	48,423	
2021	49,426	1,253	50,680	
2022	46,589	1,154	47,742	
2023	48,332	1,113	49,445	
2024	47,922	1,058	48,980	
2025	46,637	1,058	47,695	
kW/kWh				
2014	0.3144%	0.3101%		
2015	0.2876%	0.3098%		
2016	0.2532%	0.3098%		
2017	0.3201%	0.3101%		
2018	0.3518%	0.3101%		
2019	0.3133%	0.3101%		
2020	0.2845%	0.3089%		
2021	0.2827%	0.3101%		
2022	0.2991%	0.2923%		
2023	0.3009%	0.2800%		
Used	0.3008%	0.3051%		
Average	0.3008%	0.3051%		