Table of Contents

1.	Load and Revenue Forecast	
	Ex.3/Tab 1/Sch.1 - Introduction	2
	Ex.3/Tab 1/Sch.2 - Overview of Revenue Forecast	
	Ex.3/Tab 1/Sch.3 - Proposed Load Forecast	4
	Ex.3/Tab 1/Sch.4 - Load Forecast Methodology	5
	Ex.3/Tab 1/Sch.5 - Economic Overview	7
	Ex.3/Tab 1/Sch.6 - Wholesale Purchases	
	Ex.3/Tab 1/Sch.7 - Variables Used	10
	Ex.3/Tab 1/Sch.8 - Regression Results	15
	Ex.3/Tab 1/Sch.9 - Forecast of Customer Count	
	Ex.3/Tab 1/Sch.10 - Determination of Weather Normalized Forecast	
	Ex.3/Tab 1/Sch.11 - CDM Adjustment	
	Ex.3/Tab 1/Sch.12 - Billed kW Load Forecast by Class	
	Ex.3/Tab 1/Sch.13 - Final Normalized Load Forecast	
2.	Accuracy of Load Forecast and Variance Analysis	
	Ex.3/Tab 2/Sch.1 - Overview	
	Ex.3/Tab 2/Sch.2 - Distribution Revenues	
	Ex.3/Tab 2/Sch.3 - Variance of Billing Determinants	
3.	Other Revenues	
	Ex.3/Tab 3/Sch. 1 - Overview of Other Revenue	
	Ex.3/Tab 3/Sch. 2 - Other Revenue Variance Analysis	
	Ex.3/Tab 3/Sch. 3 - Proposed Specific Service Charges	
	Ex.3/Tab 3/Sch. 4 - Revenue from Affiliate Companies	
4.	Appendix	
	Appendix 3.1 - Monthly Data Used for Regression Analysis	
	Appendix 3.2 - Regression Scenarios Performed	
	Appendix 3.3 - Appendix 2-IB Load Forecast Analysis	

Load and Revenue Forecast

Ex.3/Tab 1/Sch.1 - Introduction

The evidence presented in this exhibit provides information supporting the revenues derived from activities regulated by the Ontario Energy Board. Actual operating revenues from regulated operations are derived mainly from fixed and variable tariff charges and specific service charges. Rideau St. Lawrence Distribution Inc. ("RSL") revenues are collected from six (6) customer classes:

- 1. Residential;
- 2. General Service less than 50 kW;
- 3. General Service 50 to 4,999 kW;
- 4. Unmetered Scattered Load ("USL");
- 5. Sentinel Lighting; and
- 6. Street Lighting.

RSL does not anticipate any changes in its customer classes.

This exhibit also describes RSL's load and customer count forecasts. The load forecast methodology and assumptions are described in detail within this Exhibit.

The evidence herein is organized according to the following topics:

- 1. Revenue and Load Forecast
- 2. Accuracy of Load Forecast and Variance Analysis, and
- 3. Other Revenues.

Ex.3/Tab 1/Sch.2 - Overview of Revenue Forecast

RSL is proposing a total Service Revenue Requirement of \$3,360,105 for the 2022 Test Year. This amount includes a Base Revenue Requirement of \$3,152,487 plus revenue offsets of \$207,618 to be recovered through Other Distribution Revenue.

The following Table 3.1 summarizes RSL's total Operating Revenue. The 2022 Test Year Base Revenues are projected by applying the proposed rates to weather normalized load forecasts based upon the methodology described within this rate Application. For the 2016 - 2020 Actual data, the revenue is derived from the actual energy consumption by each class.

	2016 Board Approved	2016 Actual	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Bridge Year	2022 Test Year
Base Revenue	Approved						icai	Teal
Residential	1,530,713	1,412,658	1,500,818	1,609,148	1,623,109	1,634,619	1,633,051	2,072,305
GS < 50 kW	494,424	466,732	495,355	503,343	531,693	506,733	488,346	502,426
GS 50 to 4999 kW	450,385	419,957	425,839	456,243	460,313	454,448	436,424	442,161
Sentinel Lights	8,220	6,474	7,064	7,499	7,970	7,969	7,898	9,487
Street Lighting	94,907	98,403	127,247	101,590	97,216	99,153	96,242	109,634
Unmetered and Scattered	13,785	12,979	13,087	13,921	14,140	13,949	14,247	16,474
Subtotal	2,592,434	2,417,203	2,569,409	2,691,743	2,734,440	2,716,871	2,676,208	3,152,487
Other Distribution Revenue								
Specific Service Charges	116,376	116,376	97,264	81,167	78,315	106,104	107,197	23,875
Late Payment Charges	75,314	75,314	70,390	58,516	55,106	69,107	60,000	60,000
Other Operating Revenues	72,038	74,017	76,255	77,819	80,834	85,311	81,710	128,243
Other Income or Deductions	6,526	18,594	56,606	14,395	12,433	6,207	-2,500	-4,500
Subtotal	270,254	284,301	300,514	231,897	226,688	266,728	246,407	207,618
Service Revenue Total	2,862,688	2,701,503	2,869,924	2,923,640	2,961,128	2,983,600	2,922,615	3,360,105

 Table 3.1: Summary of Operating Revenue

Ex.3/Tab 1/Sch.3 - Proposed Load Forecast

The following section of the application covers the approach taken to determine the Load Forecast. This section also covers economic assumptions and data sources for customer and load forecasts. It explains wholesale purchases and subsequent adjustments to the wholesale purchases. It also provides the rationale behind each variable used in the regression analysis. Lastly, it presents the regression results and explains how they were used to determine the forecast for the 2022 Test Year.

Table 3.2 below presents the actual and forecasted trends for customer/connection counts, kWh consumption and billed kW demand.

				Actual							Forecast	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 Weather Normal	2022 Weather Normal
Actual kWh Purchases	118 004 234	115 280 490	116 595 095	115 949 736	112 684 386	109 734 472	107 186 399	110.285.589	108 750 347	108 483 759		
Predicted kWh Purchases		-, -,			1		- //				104 901 184	103 508 233
% Difference	-0.4%	1.2%	-1.0%	-1.8%	0.0%	2.1%	1.6%	0.5%	-0.6%	-1.5%	104,301,104	105,500,255
CDM Purchase Adjustment		1.2 /0	-1.076	-1.078	0.078	2.170	1.078	0.378	-0.078	-1.576		
Predicted kWh Purchases											10/ 001 18/	103,508,233
i redicied kwii i dichases											104,301,104	105,500,250
Billed kWh	108,810,680	106,397,501	107,193,012	107,593,001	104,215,272	101,711,018	98,838,309	101,848,630	100,219,092	99,512,150	96,816,968	95,531,364
By Class												
Residential												
Customers	5,004	5.025	5.035	5.040	5.054	5.071	5.089	5.105	5.113	5.107	5.118	5.129
kWh	43,287,278	42,116,982	42,764,838	42,272,228	40,938,311	40,480,043	39,379,535	42,538,789	42,182,601	43,593,897	43,191,009	43,536,196
General Service < 50 kW												
Customers	769	770	759	754	742	740	741	739	735	731	729	727
kWh	20,434,679	19,669,183	20,094,189	20,739,791	20,653,133	20,348,623	19,816,423	20,252,449	19,700,297	18,533,558	17,747,657	17,290,656
General Service 50 to 4,99	9 kW											
Customers	66	67	65	64	64	64	63	65	62	61	60	59
kWh	43,031,208	42,549,997	42,246,503	42,584,416	40,918,077	39,456,019	38,286,678	37,703,866	37,004,001	36,107,964	34,605,282	33,433,327
kW	130,762	125,469	133,148	131,947	125,734	115,477	111,704	112,493	109,764	109,147	102,549	99,076
Street Lights												
Connections	1,703	1,703	1,707	1,707	1,711	1,711	1,711	1,711	1,711	1,712	1,712	1,712
kWh	1,453,874	1,453,808	1,447,303	1,321,505	1,052,678	773,158	716,670	714,489	691,963	644,755	642,914	642,914
kW	3,941	3,919	3,920	3,620	2,862	2,070	1,945	1,939	1,887	1,744	1,744	1,744
Sentinel Lights												
Connections	75	75	75	75	75	73	71	72	74	73	73	73
kWh	108,262	108,266	108,281	109,302	109,502	106,791	99,906	97,401	98,084	96,660	94,789	92,955
kW	300	300	300	302	302	302	276	270	272	269	263	258
Unmetered Loads												
Connections	59	60	61	61	59	58	57	57	57	57	57	57
kWh	495,379	499,265	531,898	565,759	543,571	546,384	539,097	541,637	542,146	535,316	535,316	535,316
Total												
Customer/Connections	7,676	7,700	7,702	7,701	7,705	7,717	7,732	7,749	7,752	7,741	7,749	7,757
kWh	108,810,680	106,397,501	107,193,012	107,593,001	104,215,272	101,711,018	98,838,309	101,848,630	100,219,092	99,512,150	96,816,968	95,531,364
kW from applicable classes	135.003	129.688	137.368	135.869	128.898	117.849	113.925	114,702	111.923	111.159	104.556	101,078

Table 3.2:	Customer	and Volume	Trend Table
------------	----------	------------	--------------------

Ex.3/Tab 1/Sch.4 - Load Forecast Methodology

The purpose of weather normalization is to predict future customer consumption based on normal weather conditions. To achieve this goal, the relationship between weather change and customer consumption must be defined. RSL reviewed the various processes used by earlier Cost of Service applicants and is proposing to adopt a weather normalization methodology using Multifactor Regression ("MR") for its load forecast. RSL is proposing to adopt a weather normalization forecasting method that is similar to RSL's 2016 Cost of Service (EB-2015-0100).

In summary, RSL has used the regression analysis methodology to determine a prediction model. With regards to the overall process of load forecasting, it is RSL's view that conducting a regression analysis on historical purchases to produce an equation that will predict energy purchases is appropriate. RSL knows by month the exact number of kWh purchased from the IESO for use by customers of RSL. With a regression analysis these purchases can be related to other monthly explanatory variables such as heating degree days and cooling degree days which occur in the same month. The result of the regression analysis produces 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 RSL's Test Year, which is converted to Billed kWh by rate class. A detailed explanation of the process is provided later in this Exhibit.

RSL chooses not to use a regression analysis on an individual rate class basis as the Utility does not have reliable data available prior to 2012. RSL has decided, based on past Cost of Service applications and since the Board has accepted the wholesale purchase approach in the past, to prepare the regression analysis based on wholesale purchase volumes.

The following tables provide the material to support the weather normalized load forecast used by RSL in this application. Tables 3.3, 3.4 (in Ex.3/Tab 1/Sch.6), and 3.5 (in Ex.3/Tab 1/Sch.7) below provide a summary of the weather normalized load and customer/connection forecast used in this section for the 2022 Forecast period. RSL has provided 2011-2020 Actual Data, unless otherwise noted. The years 2011 to 2020 are weather actual while 2021 and 2022 are weather normalized.

The total weather normalized purchase forecast is then converted to the forecast of billed energy by rate class on weather normalized basis. Weather normalized historical data is also provided for comparison purpose, as required in the filing requirements.

Ex.3/Tab 1/Sch.5 - Economic Overview

Economic conditions in RSL's service territory remain relatively unchanged from past years. Population saw a smaller decrease (1%) over the 2011-2016 census period than the 2011-2006 census period (6%). Residential customers account for 86% of total RSL customers and over 40% of kWh consumption approximately since 2011.

The changes in RSL customer numbers have been small and inconsistent among customer classes over past years. While 2020 actual residential customer count is 2.1% higher than 2011 count, GS <50 kW and GS 50 to 4,999 kW rate classes for 2020 saw a decline of 4.9% and 7.6% respectively compared to 2011.

Residential customer number increased from 5,071 in the 2016 Board Approved number to 5,107 in 2020. GS < 50 kW customers decreased from 740 in the 2016 Board Approved number to 731 in 2020. GS 50 to 4,999 kW customers decreased from 64 in the 2016 Board Approved number to 61 in 2020. The changes in the customer numbers are reflective of the overall business climate in this region.

RSL is projecting a small increase in Residential customer number and a continued small decrease in the GS<50 kW rate class and GS 50 to 4,999 kW rate class. There is virtually no change in the other customer classes. Overall, the trend table (Table 3.12 and 3.13) shows the customer numbers remain stable.

Ex.3/Tab 1/Sch.6 - Wholesale Purchases

RSL purchases its power from the Independent Electricity System Operator ("IESO"). Table 3.3 outlines the unadjusted monthly wholesale purchases:

Change %		97.7%	101.1%	99.4%	97.2%	97.4%	97.7%	102.9%	98.6%	99.8%
Total	117,969,322	115,215,976	116,534,650	115,878,630	112,605,314	109,654,088	107,118,589	110,214,244	108,677,811	108,412,540
December	10,916,892	10,958,364	11,614,675	10,753,031	9,419,775	10,206,407	10,688,479	10,215,218	10,207,018	10,055,028
November	9,478,715	9,765,918	9,926,917	9,594,308	8,788,398	8,792,790	9,161,805	9,371,732	9,264,874	8,711,857
October	8,921,515	8,663,345	8,725,825	8,663,323	8,442,808	8,074,621	7,983,759	8,273,205	7,908,177	8,195,562
September	8,631,923	8,456,345	8,187,217	8,455,877	8,487,586	8,054,076	8,076,439	8,248,876	7,563,722	7,627,587
August	9,450,654	9,430,200	9,610,958	8,980,123	8,928,793	9,517,733	8,640,906	9,512,830	8,688,391	9,206,403
July	9,998,192	9,776,500	9,591,758	9,070,654	8,969,560	9,080,665	8,447,553	9,698,694	9,557,985	10,333,884
June	8,776,092	9,028,518	8,279,408	8,570,154	8,082,238	8,152,771	7,883,609	7,836,187	7,764,971	8,515,025
May	8,656,277	8,473,818	8,204,917	8,278,885	8,214,246	7,971,052	7,836,699	7,670,323	7,801,649	7,939,253
April	9,072,415	8,701,738	9,116,700	9,026,483	8,724,747	8,448,753	8,073,164	8,757,348	8,524,502	8,024,763
March	11,067,608	9,868,346	10,574,475	11,270,883	10,922,675	9,905,017	10,449,490	9,778,013	10,085,138	9,509,806
February	10,866,454	10,394,346	10,701,983	10,693,642	11,445,612	10,461,168	9,412,266	9,438,920	9,954,781	9,817,627
January	12,132,585	11,698,538	11,999,817	12,521,267	12,178,875	10,989,034	10,464,420	11,412,898	11,356,602	10,475,746
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020

The RSL load has been declining over the past 10 years, except for 2013 and 2018 during which lower temperature in winter or higher temperature in summer contributed to a higher consumption. The wholesale purchases dropped by 8.1% from 2011 to 2020. This decline is primarily a reflection of the effects of energy efficiency as a result of the implementation of conservation measures and conservation awareness

To better represent the trend in wholesale purchases, RSL adjusted its base wholesale purchases prior to running the regression analysis. The purpose of the adjustment was to normalize the data as much as possible. The following adjustment was made to the wholesale purchases:

 RSL adjusted the wholesale purchases to add back microFIT generation kWh data since 2011. This adjustment was made because the generated kWh volume is consumed within the utility's service territory. If there was no generation activity, RSL's wholesale purchases would have been higher in order to meet customer demand.

RSL's "Adjusted Wholesale Purchases" are summarized below in Table 3.4. The "Adjusted kWh Wholesale Purchases" represented in this table were used in RSL's regression analysis.

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	12,134,384	11,700,033	12,001,631	12,523,093	12,181,568	10,991,287	10,466,845	11,414,673	11,358,371	10,476,516
February	10,867,487	10,398,024	10,704,529	10,696,289	11,447,914	10,463,596	9,415,533	9,441,551	9,958,176	9,819,257
March	11,070,010	9,874,057	10,579,437	11,276,393	10,929,864	9,911,616	10,455,799	9,783,376	10,092,612	9,516,021
April	9,075,017	8,708,404	9,123,026	9,034,518	8,733,624	8,458,651	8,080,526	8,763,985	8,531,518	8,032,449
May	8,659,105	8,482,332	8,213,090	8,288,462	8,224,666	7,981,694	7,844,439	7,680,410	7,809,400	7,949,233
June	8,779,481	9,036,890	8,286,351	8,579,621	8,091,482	8,163,034	7,891,979	7,845,956	7,774,207	8,525,132
July	10,001,974	9,784,641	9,600,048	9,079,781	8,980,189	9,091,044	8,455,074	9,709,721	9,568,434	10,343,833
August	9,453,692	9,437,648	9,618,514	8,988,796	8,937,908	9,527,175	8,648,638	9,521,412	8,698,039	9,215,375
September	8,637,539	8,462,407	8,193,461	8,463,316	8,495,280	8,062,338	8,083,641	8,256,576	7,571,102	7,634,417
October	8,925,375	8,667,157	8,730,286	8,667,688	8,448,428	8,079,602	7,989,198	8,277,307	7,912,987	8,199,976
November	9,481,486	9,769,298	9,929,183	9,596,696	8,792,027	8,796,258	9,164,555	9,373,459	9,266,907	8,714,890
December	10,918,684	10,959,599	11,615,539	10,755,083	9,421,435	10,208,176	10,690,172	10,217,163	10,208,594	10,056,661
Total	118,004,234	115,280,490	116,595,095	115,949,736	112,684,386	109,734,472	107,186,399	110,285,589	108,750,347	108,483,759
Change %		97.7%	101.1%	99.4%	97.2%	97.4%	97.7%	102.9%	98.6%	99.8%

Table 3.4: Adjusted Wholesale Purchases 2011 - 2020

Ex.3/Tab 1/Sch.7 - Variables Used

In RSL's case, the variation in monthly electricity consumption is influenced by seven main factors:

- Weather (e.g. heating and cooling), which is by far the most dominant effect for most systems;
- Number of days per month;
- Seasonality, in this case, winter/summer flag factor;
- Number of workdays in the month;
- Trend;
- August flag.

Heating and Cooling

In order to determine the relationship between observed weather and energy consumption, monthly weather observations describing the extent of heating or cooling required within the month are necessary. Environment Canada publishes monthly observations on heating degree days (HDD) and cooling degree days (CDD) for selected weather stations across Canada. Heating degree-days for a given day are the number of Celsius degrees that the mean temperature is below 18°C. Cooling degree-days for a given day are the number of 2016 Cost of Service Rate Application, the monthly HDD and CDD as reported at the Ottawa International Airport Weather Station were used in this application.

RSL has adopted the 10-year average from 2011 to 2020 as the definition of weather normal. Our view is that a 10-year average based on the most recent ten calendar years available is a reasonable compromise that likely reflects the "average" weather experienced in recent years. Many other LDCs have also adopted this definition for the purposes of cost-of-service rebasing. The following table outlines the monthly weather data used in the regression analysis.

Table 3.5: HDD and CDD

									Heatin	g Deg	ree Day	/s (HC)D)								
	20 year										10 year										Use this
Month	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10 Year Average
January	848.2	709.4	977.3	1,045.3	920.7	733.5	797.1	754.2	979.5	789.2	888.7	831.0	839.9	918.3	968.2	804.8	732.5	881.5	934.9	755.6	855.5
February	746.8	668.8	841.5	750.0	700.6	720.9	820.0	774.3	711.5	655.8	731.6	671.4	728.5	793.2	957.8	756.3	662.1	644.6	762.2	725.9	743.4
March	652.3	651.7	675.0	559.2	668.8	600.4	643.0	721.1	598.3	460.7	634.6	460.3	612.9	783.6	718.6	591.4	731.7	611.6	692.3	561.7	639.9
April	338.1	358.8	424.6	377.8	324.8	321.6	361.1	299.6	334.3	258.1	347.4	363.3	381.1	384.2	352.6	433.8	319.4	454.4	398.8	407.8	384.3
May	109.6	227.6	154.1	166.2	205.0	128.2	157.3	185.4	181.6	112.3	142.8	102.4	121.2	127.3	94.2	145.4	190.4	110.4	213.2	200.2	144.7
June	25.5	61.7	38.9	54.0	16.1	27.6	34.2	22.4	50.4	37.6	18.5	31.4	58.1	20.3	45.2	36.3	52.1	39.0	55.1	44.7	40.1
July	21.6	5.3	2.0	1.8	2.9	0.3	11.8	0.3	13.1	4.5	-	-	7.7	8.8	9.3	3.4	4.8	-	-	-	3.4
August	4.7	6.8	13.3	29.8	8.4	18.2	20.1	14.4	26.1	14.7	2.3	8.4	13.4	21.4	5.6	1.4	26.9	3.6	6.3	25.5	11.5
September	89.9	56.9	60.4	66.8	59.2	121.0	76.0	95.4	106.5	112.0	55.4	127.3	133.2	110.3	48.4	75.1	69.8	96.8	104.0	138.5	95.9
October	266.0	370.0	336.6	287.0	269.7	335.7	227.5	321.8	355.5	311.0	259.1	259.9	265.2	257.9	337.3	291.1	197.3	359.1	286.8	327.4	284.1
November	410.1	535.2	468.8	484.3	484.2	417.3	517.0	502.8	417.4	491.6	392.9	541.7	560.8	510.6	429.0	449.5	540.8	599.5	611.0	429.9	506.6
December	602.2	728.3	722.2	814.9	762.0	610.0	787.7	796.7	759.4	731.4	672.2	719.1	858.2	696.4	519.9	733.4	871.3	766.6	717.2	673.1	722.7
									<u>Coolin</u>	g Deg	ree Day	/s (CD	<u>D)</u>								
Month	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	10 Year Average
January	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
April	-	10.3	-	1.9	-	-	-	-	2.5	1.6	-	3.2	-	-	-	-	1.2	-	-	-	0.4
May	13.7	6.5	0.1	4.0	1.9	16.9	17.3	-	3.2	38.2	16.7	21.0	15.3	8.8	25.3	28.7	9.1	15.7	-	25.7	16.6
June	75.9	39.5	54.8	27.1	111.6	48.2	66.9	60.5	44.9	33.4	59.1	70.4	39.4	54.9	20.3	52.0	45.0	36.2	32.0	70.4	48.0
July	78.4	121.0	90.1	86.5	128.6	130.6	65.1	78.9	42.9	150.8	137.5	142.2	114.9	62.8	100.0	112.6	63.8	156.9	133.1	185.8	121.0
August	127.5	106.5	106.2	47.5	115.4	68.1	79.3	49.5	82.1	93.0	82.3	97.6	57.2	55.8	67.4	124.6	51.0	115.4	54.8	70.4	77.7
September	25.9	51.4	23.7	11.1	33.1	5.3	25.7	25.0	5.0	26.2	32.9	20.6	10.1	21.6	46.5	24.9	52.0	49.5	9.1	9.0	27.6
October	-	4.1	-	-	6.4	-	1.9	-	-	-	1.4	-	0.7	3.1	-	-	0.4	0.7	-	-	0.6
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Number of Days per Month

RSL used a "Days per month" variable because it identifies less/more days in calendar months.

Winter and Summer Flag

RSL used a winter and summer flag. This utility-specific flag was created following the analysis of the Wholesale purchases which showed higher purchases during the winter and summer seasons. The assumption is that with the same temperature in winter and summer as in spring or fall consumers are using more electricity to heat or cool their homes in winter or summer, and as such would have an impact on the wholesale purchases. The variable applies to the months of January - March, June – September, and December.

Number of Workdays in Month

RSL used a variable of "Number of Workdays in Month" to identify high usage months due to workdays. The assumption is that while residential customers consume less electricity on workdays industrial and commercial customers consume more energy as they are fully open on workdays.

<u>Trend</u>

A Trend variable was used, indicating 1 in January 2011, and increasing by one each month, reaching 120 in the last month of the regression, December 2020. The time trend reflects a gradual decline in consumption that is not explained by the other variables. A number of the potential factors may be related to the trend, including conservation activities from and outside of the CFF, improved building efficiency, and an increase in the proportion of customers living in apartments, etc. A Trend variable has been used in the COS of ENWIN Utilities Ltd.'s (EB-2019-0032) and the COS of Greater Sudbury Hydro Inc.'s (EB-2019-0037).

August Flag

An August Flag variable was used to improve the regression model. A positive coefficient for this variable indicates a higher consumption in August that is not explained by temperature, season, or other variables. The higher consumptions in August may be related to peak tourism taking place in August in our service territories, as shown in the below chart. Similar month variables were used in the COS of ENWIN Utilities Ltd.'s (EB-2019-0032).



Most Popular Months to Visit in Prescott, ON

Similar charts for Morrisburg and Iroquois show peak tourism in August From Champion Traveler (https://championtraveler.com/dates/best-time-to-visit-prescott-on-ca/)

With a combination of wholesale purchases and the variables listed above, a multiple regression analysis was used to develop an equation describing the relationship between monthly actual wholesale kWh and the explanatory variables.

To project the adjusted wholesale purchases for the test year, the model uses the simple average of the last 10 years of historical data for HDD, CDD. Actual was used for Winter/Summer Flag, Days in the Month, Number of Workdays in the Month, and August Flag. For Trend variable, numbers from 1 to 120 were assigned to each month in ascending order with 1 in January 2011, and 120 in the last month of the regression, December 2020.

Origin of Variables

• HDD:	Environment Canada, weather station of OTTAWA
	MACDONALD-CARTIER INT'L A: 2001-2011
	Weather station of OTTAWA INTL A (same location
	with a changed name): 2012-2020
• HDD:	Environment Canada, weather station of OTTAWA
	MACDONALD-CARTIER INT'L A: 2001-2011,
	Weather station of OTTAWA INTL A (same location
	with a changed name): 2012-2020
Winter/Summer Flag:	Computed by RSL
Day per Month:	Computed by RSL
Number of Workdays in Month	Computed by RSL
Trend	Computed by RSL
August Flag	Computed by RSL

In preparing its Load Forecast, RSL also considered but rejected the following variables:

- Customer Count (residential + commercial + industrial) this was excluded because the variable yielded a negative coefficient, which is unintuitive.
- 2) GDP this was also excluded because the variable yielded a negative coefficient, which is unintuitive.

Four scenarios tested by RSL can be found in Appendix 3.2 - "Regression Scenarios Performed."

Ex.3/Tab 1/Sch.8 - Regression Results

Table 3.6 below presents the regression results used to determine the load forecast Monthly data used in the regression analysis is from 2011 to 2020.

SUMMARY OUTPUT								
Regression Sta								
Multiple R	0.983719412							
R Square	0.967703882							
Adjusted R Square	0.965685374							
Standard Error	215570.5034							
Observations	120							
ANOVA								
	df	SS	MS	F	Significance F			
Regression	7	1.55951E+14	2.22787E+13	479.4155752	2.28898E-80			
Residual	112	5.20471E+12	46470641941					
Total	119	1.61156E+14						
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	1822632.67	784550.9886	2.323153876	0.021976387	268145.4536	3377119.886	268145.4536	3377119.886
HDD	4457.413749	99.7690347	44.67732661	3.21163E-73	4259.734195	4655.093302	4259.734195	4655.093302
CDD	15778.80625	812.8384166	19.4119839	1.24553E-37	14168.27113	17389.34138	14168.27113	17389.3413
Number of Days in Month	152445.4293	28655.74234	5.319891123	5.38005E-07	95667.74911	209223.1095	95667.74911	209223.109
Winter/Summer Flag	341350.9707	51918.50703	6.574745504	1.60914E-09	238481.1042	444220.8372	238481.1042	444220.837
Number of Workdays in Month	55839.53733	20963.49515	2.66365589	0.008869551	14303.05889	97376.01577	14303.05889	97376.0157
Trend	-9285.500991	568.8073756	-16.32450877	2.16846E-31	-10412.51989	-8158.482089	-10412.51989	-8158.48208
August Flag	430435,1952	80291,22335	5.36092461	4.49233E-07	271348.4283	589521.9621	271348.4283	589521.962

 Table 3.6:
 Correlation/Regression Results

The resulting regression equation yields an adjusted R-squared of 96.6%. When actual annual wholesale values are compared to annual values predicted by the regression equation, the mean absolute percentage error (MAPE) is 1.07%.

RSL then used the coefficients from the regression results to calculate predicted. The resulting equation is shown in Table 3.7.

RSL Monthly Predicted kWh Purchases			
=	Constant of		1,822,632.67
+	Heating Degree	*	4,457.41
+	Cooling Degree	*	15,778.81
+	Number of Days in Month	*	152,445.43
+	Winter/Summer Flag	*	341,350.97
+	Number of Workdays in Month	*	55,839.54
+	Trend	*	(9,285.50)
+	August Flag	*	430,435.20

Table 3.7: Regression Equation

Table 3.8 as seen below, demonstrates the actual and predicted wholesale purchases from January 1, 2011 – December 31, 2020. Table 3.9 provides a graph showing annual Predicted Purchases versus Actual Purchases.

Year	Predicted Purchase	Actual Purchase	kWh Variance	% Variance	% Variance Abs
2011	117,538,829	118,004,234	(465,405)	-0.39%	0.39%
2012	116,675,268	115,280,490	1,394,778	1.21%	1.21%
2013	115,401,698	116,595,095	(1,193,397)	-1.02%	1.02%
2014	113,813,986	115,949,736	(2,135,750)	-1.84%	1.84%
2015	112,653,587	112,684,386	(30,799)	-0.03%	0.03%
2016	112,051,388	109,734,472	2,316,916	2.11%	2.11%
2017	108,951,913	107,186,399	1,765,514	1.65%	1.65%
2018	110,816,286	110,285,589	530,697	0.48%	0.48%
2019	108,141,943	108,750,347	(608,405)	-0.56%	0.56%
2020	106,909,610	108,483,759	(1,574,150)	-1.45%	1.45%
2021	104,901,184				
2022	103,508,233				
2022 Normal -10 year average	103,508,233				
2022 Normal -20 year trend	103,572,856				

Table 3.8: Predicted Purchases vs Actual Purchased





In accordance with the Filing Requirements, RSL has also provided a 2022 forecast using 20year normal weather conditions. The impact of using both a 10-year average as well as a 20year trend on weather normalized wholesale purchases is presented in Table 3.10 and Table 3.11 respectively.

	HDD	CDD	Number of Days in Month	Winter/Summer Flag	Number of Workdays in Month	Trend	August Flag	Predicted Purchases (kWh)
Jan-22	855.5	-	31	1	20	133	-	10,585,107
Feb-22	743.4	-	28	1	19	134	-	9,562,613
Mar-22	639.9	-	31	1	23	135	-	9,772,724
Apr-22	384.3	0.4	30	-	19	136	-	7,913,956
May-22	144.7	16.6	31	-	21	137	-	7,356,548
Jun-22	40.1	48.0	30	1	22	138	-	7,619,935
Jul-22	3.4	121.0	31	1	20	139	-	8,639,658
Aug-22	11.5	77.7	31	1	22	140	1	8,525,122
Sep-22	95.9	27.6	30	1	21	141	-	7,463,909
Oct-22	284.1	0.6	31	-	20	142	-	7,623,009
Nov-22	506.6	-	30	-	22	143	-	8,554,631
Dec-22	722.7	-	31	1	20	144	-	9,891,022
Total								103,508,233

 Table 3.10: Forecast Using a Ten-Year Average Weather Normalization

 Table 3.11: Forecast Using a Twenty-Year Average Weather Normalization

	HDD	CDD	Number of Days in Month	Winter/Summer Flag	Number of Workdays in Month	Trend	August Flag	Predicted Purchases (kWh)
Jan-22	843.6	-	31	1	20	133	-	10,532,000
Feb-22	736.7	-	28	1	19	134	-	9,533,143
Mar-22	636.3	-	31	1	23	135	-	9,756,754
Apr-22	390.0	0.3	30	-	19	136	-	7,937,071
May-22	149.7	16.9	31	-	21	137	-	7,382,378
Jun-22	42.8	46.9	30	1	22	138	-	7,614,863
Jul-22	1.8	121.3	31	1	20	139	-	8,638,242
Aug-22	13.2	75.2	31	1	22	140	1	8,494,809
Sep-22	106.3	25.9	30	1	21	141	-	7,483,059
Oct-22	287.3	0.5	31	-	20	142	-	7,634,663
Nov-22	522.6	-	30	-	22	143	-	8,626,070
Dec-22	733.7	-	31	1	20	144	-	9,939,805
Total								103,572,856

Ex.3/Tab 1/Sch.9 - Forecast of Customer Count

RSL has used a geometric mean function to determine the forecasted customer number for the 2022 Test Year. The geometric mean results as shown in Table 3.13 were analyzed by RSL and then further adjusted for known particulars. Historical customer counts and projected customer counts for the 2022 Test Year are presented in Table 3.12 below. The Customer Counts are presented in year-end format, which is consistent with RSL's 2016 Cost of Service Application. RSL is not proposing any changes in definition or composition of class.

		General Service	General Service 50			Unmetered	
	Residential	< 50 kW	to 4,999 kW	Street Lights	Sentinel Lights	Loads	Total
2011	5,004	769	66	1,703	75	59	7,676
2012	5,025	770	67	1,703	75	60	7,700
2013	5,035	759	65	1,707	75	61	7,702
2014	5,040	754	64	1,707	75	61	7,701
2015	5,054	742	64	1,711	75	59	7,705
2016	5,071	740	64	1,711	73	58	7,717
2017	5,089	741	63	1,711	71	57	7,732
2018	5,105	739	65	1,711	72	57	7,749
2019	5,113	735	62	1,711	74	57	7,752
2020	5,107	731	61	1,712	73	57	7,741
2021	5,118	729	60	1,712	73	57	7,749
2022	5,129	727	59	1,712	73	57	7,757

 Table 3.12: Number of Customers/Connections

Table 3.13: Gro	owth Rate in	n Customer	Numbers
-----------------	--------------	------------	---------

		General Service	General Service 50			Unmetered
	Residential	< 50 kW	to 4,999 kW	Street Lights	Sentinel Lights	Loads
2011						
2012	1.0042	1.0013	1.0152	1.0000	1.0000	1.0169
2013	1.0020	0.9857	0.9701	1.0023	1.0000	1.0167
2014	1.0010	0.9934	0.9846	1.0000	1.0000	1.0000
2015	1.0028	0.9841	1.0000	1.0023	1.0000	0.9672
2016	1.0034	0.9973	1.0000	1.0000	0.9733	0.9831
2017	1.0035	1.0014	0.9844	1.0000	0.9726	0.9828
2018	1.0031	0.9973	1.0317	1.0000	1.0141	1.0000
2019	1.0016	0.9946	0.9538	1.0000	1.0278	1.0000
2020	0.9988	0.9946	0.9839	1.0006	0.9865	1.0000
2021	1.0021	0.9970	0.9904	1.0000	0.9946	1.0000
2022	1.0021	0.9970	0.9904	1.0000	0.9946	1.0000
Geomean	1.0021	0.9970	0.9904	1.0001	0.9946	0.9931

Residential

RSL has used a 5-year geometric mean of 1.0021 derived from the historical actuals (2016 to 2020) and proposed no revision to the customer growth projection shown in Table 3.13 above for this customer class. The Residential customer count in 2022 is projected to be 5,129, or 22 more than 2020 Actual.

General Service <50kW

RSL has used a 5-year geometric mean of 0.9970 derived from the historical actuals (2016 to 2020) and proposed no revisions to the customer growth projection shown in Table 3.13 above for this customer class. The projection of GS<50kW for 2022 is 727, or decreased by 4 from 2020 Actual.

General Service 50 to 4999kW

RSL has used a 5-year geometric mean of 0.9904 derived from the historical actuals (2016 to 2020) and proposed no revisions to the customer growth projection shown in Table 3.13 above for this customer class. The 2022 customer number is calculated to be 59, or 2 fewer than 2020 Actual.

Street Lights

RSL has adjusted a 5-year geometric mean of 1.0001 derived from the historical year actuals (2016 to 2020) and proposed to use the 2020 Actual for the 2022 Test Year for this rate class. The connection number of Street Lights has been stable since 2015 with 1 addition in 2020. RSL does not expect changes in the number of Street Lights Connection for the 2022 Test Year.

Sentinel Lights

RSL has used a 5-year geometric mean of 0.9946 derived from the historical actuals (2016 to 2020) and proposed no revisions to the customer growth projection shown in Table 3.13 above for this customer class. The 2022 customer number is calculated to be 73, the same as the 2020 Actual.

Unmetered Scattered Loads

RSL has adjusted a 5-year geometric mean of 0.9931 derived from the historical year actuals (2016 to 2020) and proposed to use the 2020 Actual for the 2022 Test Year projection for this customer class. The connection number of Unmetered Scattered Loads has remained unchanged for the past 4 years and RSL is not aware of any potential change in the near future.

Ex.3/Tab 1/Sch.10 - Determination of Weather Normalized Forecast

Total Weather Normalized Billed kWh

To determine the total weather normalized energy billed forecast, the total system weather normalized purchases forecast as determined by the regression analysis and presented in Ex.3/Tab 1/Sch.8 is adjusted by the proposed loss factor of 8.35% as presented in Ex.8 /Tab 1/Sch.12. Total predicted/forecasted wholesale purchase calculated for the 2022 Test Year is 103,508,233 kWh. With the proposed loss factor applied, the total weather normalized billed energy will be 95,531,364 kWh for the 2022 Test Year.

Average Consumption per Rate Class

The first step in the process is to review the historical customer/connection usage and to reflect this usage per customer in the forecast. Table 3.14 below provides the average annual usage per customer by rate class from 2011 to 2020.

RSL has applied a 5-year geometric growth rate of the average usage kWh per customer to determine the 2022 Test Year average forecasted consumption per customer prior to weather normalization.

For the rate classes of Residential, GS < 50 kW, GS 50 to 4,999 kW, and Sentinel, the geometric growth rate has been calculated based on the 5-year historical data from 2016-2020.

However, the 2020 Actual usage per customer/connection (i.e., growth rate of 1) has been applied to Unmetered Scattered Loads Class since the growth rate of 1 better reflects historical and most recent energy consumption trend for this rate class.

The 2022 Test Year average customer usage per rate class is equal to the growth rate adopted multiple 2020 class average customer usage for all rate classes except Street Lighting. The results are shown in Table 3.14.

2020 Actual consumption for Street Lights with a small adjustment for a 28-day February in 2022 has been used for the 2022 Test Year energy forecast for this rate class. RSL believes this treatment is an appropriate forecast for Street Lights. The actual consumption and average consumption per connection for Street Lights have dropped significantly since 2015 as a result PAGE 20 OF 66 of Streetlight LED conversion. By 2020 all the municipalities in RSL's service area had gone through LED conversion for their streetlights. The number 376 in Table 3.14 representing kWh usage per customer/connection for Street Lights, is a backward calculation which is the forecasted class consumption divided by forecasted customer/connection number.

	Residential	General Service < 50 kW	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Unmetered Loads
2011	8,651	26,573	651,988	854	1,443	8,396
2012	8,381	25,544	635,075	854	1,444	8,321
2013	8,494	26,475	649,946	848	1,444	8,720
2014	8,387	27,506	665,382	774	1,457	9,275
2015	8,100	27,834	639,345	615	1,460	9,213
2016	7,983	27,498	616,500	452	1,463	9,420
2017	7,738	26,743	607,725	419	1,407	9,458
2018	8,333	27,405	580,059	418	1,353	9,502
2019	8,250	26,803	596,839	404	1,325	9,511
2020	8,536	25,354	591,934	377	1,324	9,392
2021	8,626	24,885	582,882	376	1,298	9,392
2022	8,717	24,424	573,969	376	1,273	9,392
Adopted Growth Rate	1.0105	0.9815	0.9847	N/A	0.9806	1.0000
Calculated Geomean	1.0105	0.9815	0.9847	0.9065	0.9806	1.0038

Table 3.14: Annual kWh Usage per Customer/Connection

Non-Weather Billed (Metered) kWh Consumption by Rate Class

From Table 3.14, RSL used the Average kWh per customer for the 2022 Test Year and multiplied that by the forecasted average customer/connection number in that rate class for the 2022 Test Year (Ex. 3/Tab 1/Sch.9, Table 3.12). As discussed above, the 2020 Actual annual consumption for Street Lights with a small adjustment for a 28-day February is used for the 2022 Test Year forecast for this rate class. Please note that Street Lighting's consumption is not weather sensitive. The total Non-Normalized Weather Billed Consumption for all rate classes is 97,601,313 kWh, as shown in Table 3.16.

Normalized Billed (Metered) Consumption by Rate Class

The difference between the non-normalized and normalized forecast is assumed to be the amount related to moving the forecast to a weather normal basis. This difference has been assigned to those rate classes that are weather sensitive. RSL used the weather normalization

work completed by Hydro One for RSL for its 2007 Cost Allocation Study as a starting point and has shown its weather sensitivity by rate class below in Table 3.15.

Residential	General Service < 50 kW	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Unmetered Loads
66%	66%	32%	0%	0%	0%

Table 3.15: Weather Sensitivity

RSL has reviewed previous rate applications and has noted the concern of Interveners that the Residential and GS <50kW classes are not 100% weather sensitive. RSL has, thus, applied a weather sensitivity factor of 66%, which is the mid-point between the 100% HONI reported for these two classes and the GS 50 to 4,999 kW sensitivity factor of 32%. None of the other rate classes were assumed to be weather sensitive.

The difference of 2,069,949 kWh between the non-normalized and normalized forecasts for 2022 has been assigned on a pro rata basis to each rate class based on the level of weather sensitivity shown in the above Table 3.15. The Weather Normalized Billed Consumption is shown in Table 3.16.

	Non-Normal	Weather Bill	ed Energy For	recast (kWh)			
Year	Residential	General Service < 50 kW	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Unmetered Loads	Total
Annual Usage Per Customer/Connection	8,717	24,424	573,969	376	1,273	9,392	
Customer/Connection	5,129	727	59	1,712	73	57	7,757
2022 Non-Normal Weather Billed kWh	44,709,375	17,756,591	33,864,163	642,914	92,955	535,316	97,601,313
		Adjustmen	t for Weathe	r (kWh)			
Year	Residential	General Service < 50 kW	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Unmetered Loads	Total
2022	(1,173,179)	(465,935)	(430,836)				(2,069,949)
	Weather No	rmalized Bille	d Energy Fore	ecast (kWh)			
Year	Residential	General Service < 50 kW	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Unmetered Loads	Total
2022	43,536,196	17,290,656	33,433,327	642,914	92,955	535,316	95,531,364

Table 3.16: Adjustment for Weather

Ex.3/Tab 1/Sch.11 - CDM Adjustment

In March 2019, the 2015-2020 Conservation First Framework was discontinued, and a new interim framework was put in place by the Ministry of Energy. RSL expected that new CDM programs will continue to be implemented in RSL's service areas in the Bridge Year (2021) or Test Year (2022) but the related information is beyond the Utility's control. Their impact on the Load Forecast, if there is any, would be captured by the Trend variable. Therefore, no CDM adjustment is required for the 2022 weather normalized forecast. Consistently, the weight factors for CDM adjustment in Table 3.18 are all 0, and the manual adjustment amount to the 2022 load forecast in Table 3.19 is left blank.

RSL's assigned CDM target for 2015-2020 is 5,020,494 kWh. RSL has achieved 5,114,047 kWh or 101.1% by 2020. The following Table 3.17 from Appendix 2-I outlines the actual savings from 2015-2020.

		Former	CFF 6 Year (2015-2020)) kWh Target*				
			5,020,494					
	2015	2016	2017	2018	2019	2020	2021**	Total for 2022**
			%					
2015 CDM Programs						28.34%		
2016 CDM Programs						12.61%		
2017 CDM Programs						33.85%		
2018 CDM Programs						23.27%		
2019 CDM Programs						0.08%		
2020 CDM Programs						1.85%		
Total in Year						100.00%		
			kWh					
2015 CDM Programs	1,471,773.00	1,468,799.00	1,468,724.00	1,477,537.00	1,464,249.00	1,449,191	1,448,960.00	1,448,888.00
2016 CDM Programs		650,336.00	650,337.00	649,531.00	644,898.00	644,898	629,611.00	627,462.00
2017 CDM Programs			1,919,195.44	1,750,851.17	1,732,859.39	1,730,935	1,730,780.20	1,724,698.77
2018 CDM Programs				1,216,917.50	1,209,610.50	1,190,247	1,190,246.55	1,190,246.55
2019 CDM Programs					4,763.87	4,195	3,063.11	3,053.82
2020 CDM Programs						94,582	94,582.08	94,582.08
2021 CDM Programs (if applicable)***								
Total in Year	1,471,773.00	2,119,135.00	4,038,256.44	5,094,836.67	5,056,380.76	5,114,047.68	5,097,242.94	5,088,931.22

Table 3.17: 2019-2020 CDM Activities (Appendix 2-I)

Table 3.18: Weight Factor for Inclusion in CDM Adjustment to 2022 Load Forecast(Appendix 2-I)

	2015	2016	2017	2018*	2019**	2020**	2021***	
Weight Factor for each year's CDM program impact on 2022 load forecast	0	0	0	0	0	0	o	Distributor can select "0", "0.5", or "1" from drop- down list
Default Value selection rationale.	Full year impact of 2015	Full year impact of	Full year impact of	Default is 0. Full year	Default is 0. Full year	Default is 0.5.	Default is 1.	_
	CDM is assumed to be	2016 CDM is	2017 CDM is	impact of 2018 CDM	impact of 2019 CDM	Adjust based on	Adjust based on	
	reflected in the base	assumed to be	assumed to be	is assumed to be	is assumed to be	distributor's	distributor's	
	forecast, as the full year	reflected in the base	circumstance	circumstance				
	persistence of 2015 CDM	forecast, as the full	forecast, as the full	forecast.	forecast. Adjust			
	programs is in the 2018	year persistence of	year persistence of		based on distributor's			
	historical actual data. No	2016 CDM programs	2017 CDM programs		circumstance			
	further impact is	is in the 2018	is in the 2018					
	necessary for the manual	historical actual data.	historical actual data.					
	adjustment to the load	No further impact is	No further impact is					
	forecast.	necessary for the	necessary for the					
		manual adjustment	manual adjustment					
		to the load forecast.	to the load forecast.					

Table 3.19: CDM Impact and LRAMVA Threshold (Appendix 2-I)

	2015	2016	2017	2018	2019	2020	2021	Total for 2022
Amount used for CDM threshold for	1 110 050 00	630 611 00	1 720 700 20	1 100 246 55	2.062.11	04 503 00		
LRAMVA (2022)	1,448,960.00	629,611.00	1,730,780.20	1,190,246.55	3,063.11	94,582.08	-	
Manual Adjustment for 2022 Load							-	
Forecast (billed basis)					-	-	-	-
Manual Adjustment for 2022 LDC-only								
CDM programs (billed basis)								
Total Manual Forecast to Load Forecast							-	-
Proposed Loss Factor (TLF)		Format: X.XX%			_			_
Manual Adjustment for 2022 Load	•							
Forecast (system purchased basis)	-	-	-	-	-	-	-	-

Ex.3/Tab 1/Sch.12 - Billed kW Load Forecast by Class

There are three rate classes that charge volumetric distribution on a per kW basis. These include GS 50 - 4,999 kW, Street Lighting, and Sentinel Lighting. As a result, the energy forecast for these classes needs to be converted to a kW basis for rate setting purposes.

The forecast of kW for GS 50 - 4,999 kW and Sentinel Lighting is based on a review of the historical ratios of kW to kWh and applying the average ratio, if appropriately, to the forecasted kWh to produce the required kW. For GS 50 - 4,999 kW, the adopted ratio is a 5-year average (2016 - 2020). For Sentinel Lighting, the Actual 2020 kW/kWh ratio is used, as the monthly billed kWh for this rate class is based on its approved load profile. 2020 Actual billed demand for Street Lights is used for the 2022 Test Year demand forecast for this rate class. Similar to Sentinel Lighting, Street Lighting's monthly consumption is also based on its approved load profile. As Actual 2020 consumption is used for the Forecast for Street Lighting, using Actual 2020 demand for the Forecast is appropriate.

Table 3.20 outlines the annual demand units by applicable rate class.

Year	General Service 50 to 4,999 kW	Street Lights	Sentinel Lights	Total
2011	130,762	3,941	300	135,003
2012	125,469	3,919	300	129,688
2013	133,148	3,920	300	137,368
2014	131,947	3,620	302	135,869
2015	125,734	2,862	302	128,898
2016	115,477	2,070	302	117,849
2017	111,704	1,945	276	113,925
2018	112,493	1,939	270	114,702
2019	109,764	1,887	272	111,923
2020	109,147	1,744	269	111,159
2021 Bridge	102,549	1,744	263	104,556
2022 Test	99,076	1,744	258	101,078

Table 3.20: Historical Annual k	Ŵ
---------------------------------	---

The following Table 3.21 shows the historical ratios of kW/kWh as well as the average ratio used in calculating the forecasted kW demand for the 2022 Test Year.

Year	General Service 50 to 4,999 kW	Street lights	Sentinel Lights
2011	0.3039%	0.2711%	0.2771%
2012	0.2949%	0.2696%	0.2771%
2013	0.3152%	0.2708%	0.2771%
2014	0.3098%	0.2739%	0.2763%
2015	0.3073%	0.2718%	0.2758%
2016	0.2927%	0.2678%	0.2828%
2017	0.2918%	0.2713%	0.2760%
2018	0.2984%	0.2713%	0.2774%
2019	0.2966%	0.2727%	0.2777%
2020	0.3023%	0.2705%	0.2778%
2021 Bridge	0.2963%	0.2712%	0.2778%
2022 Test	0.2963%	0.2712%	0.2778%

Table 3.21: kW/kWh Ratios

The forecast of kW for the applicable rate classes for the 2022 Test Year is shown in the above Table 3.20.

Ex.3/Tab 1/Sch.13 - Final Normalized Load Forecast

A summary of the billing determinants by rate class that has been used to develop the proposed rates is provided in Table 3.22. The 2022 Test Year Load Forecast has also been entered in Tab 10. "Load Forecast" of RRWF Model.

				Actual							Forecast	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 Weather Normal	2022 Weather Normal
Actual kWh Purchases	118,004,234	115,280,490	116,595,095	115,949,736	112,684,386	109,734,472	107,186,399	110,285,589	108,750,347	108,483,759		
Predicted kWh Purchases	117,538,829	116,675,268	115,401,698	113,813,986	112,653,587	112,051,388	108,951,913	110,816,286	108,141,943	106,909,610	104,901,184	103,508,23
% Difference	-0.4%	1.2%	-1.0%	-1.8%	0.0%	2.1%	1.6%	0.5%	-0.6%	-1.5%		
CDM Purchase Adjustment	t											-
Predicted kWh Purchases	after CDM										104,901,184	103,508,233
Billed kWh	108,810,680	106,397,501	107,193,012	107,593,001	104,215,272	101,711,018	98,838,309	101,848,630	100,219,092	99,512,150	96,816,968	95,531,364
By Class												
Residential												
Customers	5,004	5,025	5,035	5,040	5,054	5,071	5,089	5,105	5,113	5,107	5,118	5,129
kWh	43,287,278	42,116,982	42,764,838	42,272,228	40,938,311	40,480,043	39,379,535	42,538,789	42,182,601	43,593,897	43,191,009	43,536,196
General Service < 50 kW												
Customers	769	770	759	754	742	740	741	739	735	731	729	727
kWh	20,434,679	19,669,183	20,094,189	20,739,791	20,653,133	20,348,623	19,816,423	20,252,449	19,700,297	18,533,558	17,747,657	17,290,656
General Service 50 to 4,99	9 kW											
Customers	66	67	65	64	64	64	63	65	62	61	60	59
kWh	43,031,208	42,549,997	42,246,503	42,584,416	40,918,077	39,456,019	38,286,678	37,703,866	37,004,001	36,107,964	34,605,282	33,433,327
kW	130,762	125,469	133,148	131,947	125,734	115,477	111,704	112,493	109,764	109,147	102,549	99,076
Street Lights												
Connections	1,703	1,703	1,707	1,707	1,711	1,711	1,711	1,711	1,711	1,712	1,712	1,712
kWh	1,453,874	1,453,808	1,447,303	1,321,505	1,052,678	773,158	716,670	714,489	691,963	644,755	642,914	642,914
kW	3,941	3,919	3,920	3,620	2,862	2,070	1,945	1,939	1,887	1,744	1,744	1,744
Sentinel Lights												
Connections	75	75	75	75	75	73	71	72	74	73	73	73
kWh	108,262	108,266	108,281	109,302	109,502	106,791	99,906	97,401	98,084	96,660	94,789	92,955
kW	300	300	300	302	302	302	276	270	272	269	263	258
Unmetered Loads												
Connections	59	60	61	61	59	58	57	57	57	57	57	57
kWh	495,379	499,265	531,898	565,759	543,571	546,384	539,097	541,637	542,146	535,316	535,316	535,316
Total												
Customer/Connections	7,676	7,700	7,702	7,701	7,705	7,717	7,732	7,749	7,752	7,741	7,749	7,757
kWh	108,810,680	106,397,501	107,193,012	107,593,001	104,215,272	101,711,018	98,838,309	101,848,630	100,219,092	99,512,150	96,816,968	95,531,364
kW from applicable classes		129,688	137,368	135,869	128,898	117,849	113,925	114,702	111,923	111,159	104,556	101,078

Table 3.22: RSL Weather Normalized Load Forecast for 2022 Rate Application

Accuracy of Load Forecast and Variance Analysis

Ex.3/Tab 2/Sch.1 - Overview

As per section 2.3.2 of the OEB Filing Requirements Applicants must demonstrate the historical accuracy of the load forecast approach. In this section of the Application, RSL has provided calculation for Bridge Year and Test Year revenue, variance analysis for customer/connection count, consumption, and average annual consumption (on both weather actual and weather normalized actual basis) by rate class. "Appendix 2-IB Load Forecast Analysis" has been completed and included as Appendix 3.3 in this Exhibit. Determination of customer count and billed kWh / kW for 2022 is included in Ex.3/Tab 1/Sch. 9, Ex.3/Tab 1/Sch.10 and Ex.3/Tab 1/Sch. 12 respectively.

Ex.3/Tab 2/Sch.2 - Distribution Revenues

The Table 3.23, 3.24 below show the 2022 Test Year Revenues at current rates and at proposed rates. The 2021 Bridge Year revenue at current rates is presented in Table 3.25.

Class	Unit	Test Year Volume	Annualized Customers/ Connections	Monthly Service Charge	Volumetric Charge	Fixed Distribution Revenue	Gross Variable Distribution Revenue	Transformer Allowance	Net Dist. Rev.
Residential	kWh	43,536,196	61,548	26.59	-	1,636,561	0		1,636,561
GS < 50 kW	kWh	17,290,656	8,724	32.29	0.0116	281,698	200,572		482,270
GS 50 to 4999 kW	kW	99,076	708	307.78	2.3698	217,908	234,790	-27,243	425,455
Street Lighting	kW	1,744	20,544	3.54	13.4847	72,726	23,516		96,242
Sentinel Lighting	kW	258	876	2.82	20.6153	2,470	5,323		7,793
Unmetered Scattered Load	kWh	535,316	684	4.55	0.0208	3,112	11,135		14,247
Total						\$2,214,476	\$475,336	(\$27,243)	\$2,662,568

Table 3.23: 2022 Test Year Revenue at Current Rates

Table 3.24: 2022 Test Year Distribution Revenue at Proposed Rates

Class	Unit	Test Year Volume	Annualized Customers/ Connections	Monthly Service Charge	Volumetric Charge	Fixed Distribution Revenue	Gross Variable Distribution Revenue	Transformer Allowance	Net Dist. Rev.
Residential	kWh	43,536,196	61,548	33.67	0.0000	2,072,305	0		2,072,305
GS < 50 kW	kWh	17,290,656	8,724	32.29	0.0128	281,698	220,728		502,426
GS 50 to 4999 kW	kW	99,076	708	307.78	2.5384	217,908	251,495	-27,243	442,161
Street Lighting	kW	1,744	20,544	4.03	15.3611	82,846	26,788		109,634
Sentinel Lighting	kW	258	876	3.43	25.0961	3,007	6,480		9,487
Unmetered Scattered Load	kWh	535,316	684	5.26	0.0241	3,599	12,876		16,474
Total						\$2,661,363	\$518,367	(\$27,243)	\$3,152,487

Class	Unit	Test Year Volume	Annualized Customers/ Connections	Monthly Service Charge	Volumetric Charge	Fixed Distribution Revenue	Gross Variable Distribution Revenue	Transformer Allowance	Net Dist. Rev.
Residential	kWh	43,191,009	61,416	26.59	-	1,633,051	-		1,633,051
GS < 50 kW	kWh	17,747,657	8,748	32.29	0.01	282,473	205,873		488,346
GS 50 to 4999 kW	kW	102,549	720	307.78	2.37	221,602	243,021	-28,198	436,424
Street Lighting	kW	1,744	20,544	3.54	13.48	72,726	23,516		96,242
Sentinel Lighting	kW	263	876	2.82	20.62	2,470	5,428		7,898
Unmetered Scattered Load	kWh	535,316	684	4.55	0.02	3,112	11,135		14,247
Total						\$2,215,434	\$488,972	(\$28,198)	\$2,676,208

Ex.3/Tab 2/Sch.3 - Variance of Billing Determinants

Total Distribution System

The total actual consumption shows a steadily declining trend since 2016 with the exception in 2018. The average growth rate per year is -0.7%. The higher 2018 consumption is related to the above-warmer summer. The weather normalized consumption declined at an average rate of 1.6% per year. RSL's consumption is affected by several factors, such as weather, energy conservation, and the COVID -19 pandemic, etc. Table 3.26 from Appendix 2-IB. compares historical actual and weather normalized consumptions for total distribution system.

Distribution System (Total)

	Calendar Year			Consumption (I	kWh) ⁽³⁾	
	(for 2022 Cost of Service		Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016	Actual	101,711,018.28	103,645,080.82	OEB-approved	
Historical	2017	Actual	98,838,309.30	101,675,800.04		
Historical	2018	Actual	101,848,630.36	100,645,711.79		
Historical	2019	Actual	100,219,092.00	99,202,493.02		
Historical	2020	Actual	99,512,150.00	97,707,592.03		
Bridge Year	2021	Forecast		96,816,967.58		
Test Year	2022	Forecast		95,531,363.82		

Variance Analysis	Year	Year-ov	/er-year	Versus OEB- approved
	2016			
	2017	-2.8%	-1.9%	
	2018	3.0%	-1.0%	
	2019	-1.6%	-1.4%	
	2020	-0.7%	-1.5%	
	2021		-0.9%	
	2022		-1.3%	
	Geometric Mean	-0.7%	-1.6%	

Note:

- 1) Weather normalized actual kWh:
 - Use the 10-year average weather condition in the regression equation (Table 3.7) for each historical year to calculate weather normalized purchased kWh.
 - Convert the purchased kWh to billed kWh for all rate classes after an adjustment for loss factor.
 - For rate class billed kWh, since Street Lighting, Sentinel Lighting, and Unmetered Loads are non-weather sensitive rate classes, their actual consumption is weather normalized consumption.

- The difference between the total weather normalized billed kWh and the total • actual billed kWh is allocated to Residential, GS < 50 kW and GS 50 to 4,999 kW by applying their weather sensitivity ratios.
- The actual billed kWh for each of these three rate classes is then adjusted for weather sensitive amount. The derivation of weather normalized actual kWh is similar to the forecast of billed kWh for the 2022 Test Year.

The following discussion provides a year over year variance analysis by rate class.

Residential

Table 3.27 below shows the yearly change in customer count and consumption for the Residential class.

Customer Class:	Residential					Is the cus	tomer class billed	on consumption (kWh) or demand	i (kW or kVA)?	kWh]		
	Calendar Year		Ci	ustomers				Consumption (kWh) ⁽³⁾				tion (kWh) per Customer	
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical Historical	2016 2017	Actual Actual	5,089	OEB-approved		Actual Actual	40,480,043.33 39,379,535.36	40,816,523.81	OEB-approved		Actual Actual	7,982.65 7,738.17	8,175.74 OEB-approve 8,020.54	d
Historical	2018	Actual	5,105			Actual		41,907,612.07			Actual	8,332.77	8,209.13	
Historical	2019	Actual	5,113			Actual		41,645,385.82			Actual	8,250.07	8,145.00	
Historical	2020	Actual	5,107			Actual	43,593,897.00				Actual	8,536.11	8,342.67	
Bridge Year	2021	Forecast	5,118			Forecast		43,191,009.09			Forecast	0.00	8,439.04	
Test Year	2022	Forecast	5,129			Forecast		43,536,196.04			Forecast	0.00	8,488.24	
Variance Analysis	r				Test Year					Test Year		r		Test Year
variance Analysis	Year		Year-over-year		Versus OEB-	Year	Year-o	ver-year		Versus OEB-	Year	Year-ove	or-voor	Versus OEB-
	real		real-over-year		approved	real	real-o	vei-yeai		approved	real	real-ove	si-year	approved
	2016				approved	2016				approved	2016			approved
	2017		0.4%			2017	-2.7%	-1.6%			2017	-3.1%	-1.9%	
	2018		0.3%			2018	8.0%	2.7%			2018	7.7%	2.4%	
	2019		0.2%			2019	-0.8%	-0.6%			2019	-1.0%	-0.8%	
	2020		-0.1%			2020	3.3%	2.3%			2020	3.5%	2.4%	
	2021		0.2%			2021		1.4%			2021		1.2%	
	2022		0.2%			2022		0.8%			2022		0.6%	
						Geometric					Geometric			
	Geometric Mean		0.2%			Mean	2.5%	1.0%			Mean	2.3%	0.8%	
	Calendar Year	1	R	evenues										
	(for 2022 Cost of Service													
Historical	2016	Actual	\$ 1,412,658	OEB-approved										
Historical	2017	Actual	\$ 1,500,818											
Historical	2018	Actual	\$ 1,609,148											
Historical	2019	Actual	\$ 1,623,109											
Historical	2020	Actual	\$ 1,634,619											
Bridge Year (Forec		Forecast	\$ 1,633,051											
Test Year (Forecas	2022	Forecast	\$ 2,102,195											
Variance Analysis	Year		Year-over-year		Test Year Versus OEB- approved									
1	2016													
1	2017		6.2%	-										
1	2018		7.2%											
1	2019		0.9%											
1	2020		0.7%											
1	2021		-0.1%											
1	2022		28.7%											

Table 3.27: Residential Variance

The number of residential customers has steadily increased at an average rate of 0.2% per year since 2016 with the exception in 2020. The 2020 count showed a small decrease that may be related to the housing market change during the COVID19 pandemic in 2020. A 5-year

otric Mo

geomean growth rate 1.0021 was applied to 2020 Actual count for the 2021 Bridge Year and then to the 2021 Bridge Year for the 2022 Test year forecast. The forecast for the 2021 Bridge Year and the 2022 Test Year is an increase of 11 customers over prior year, which is consistent with historical trend.

The actual kWh consumption has been fluctuated year over year primarily due to the weather impact and other factors at an average growth rate of 2.5% per year for the period 2016 – 2020. The mild winter and summer in 2017 resulted in a lower consumption (-2.7%) over 2016. The 2018 consumption saw a big jump (8.0%) over 2017, which can be attributed to above-warmer summer temperatures. The increase in 2020 is related to shut down policy during the COVID 19 pandemic and a warmer summer.

If the weather factor is eliminated, i.e. **weather normalized consumption**, the average change over 2016 – 2020 is 0.9%. With the 2021 Bridge Year and 2022 Test Year added, the average change is 1.0%. The 2021 Bridge Year and 2022 Test Year weather normalized Forecast kWh is 1.4% and 0.8% higher than prior year.

The average consumption per customer shows a small increasing trend in both actual and weather normalized consumption reflecting the combined changes in customer count and class consumption. The average change in actual consumption for 2016 – 2020 is 2.3%, and the change in weather normalized consumption for 2016 – 2022 is 0.8%.

General Service < 50 kW

Table 3.28 below shows the yearly change in consumption for the General Service < 50 kW class.

	Calendar Year		Ci	ustomers				Consumption (kWh) ⁽³⁾	Consumption (kWh) per Customer				
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather normalize
istorical	2016	Actual	740	OEB-approved		Actual	20,348,622.96	20,840,819.95	OEB-approved		Actual	27,498.14	28,163.27 OEB-approved	
listorical	2017	Actual	741			Actual	19,816,422.94	20,539,538.91			Actual	26,742.81	27,718.68	
listorical	2018	Actual	739			Actual	20,252,448.66				Actual	27,405.21	26,998.58	
listorical	2019	Actual	735			Actual	19,700,297.00	19,449,404.49			Actual	26,803.13		
listorical	2020	Actual	731			Actual	18,533,558.00	18,113,577.41			Actual	25,353.70		
Bridge Year	2021	Forecast	729			Forecast		17,747,657.26			Forecast	0.00	24,345.21	
Test Year	2022	Forecast	727			Forecast		17,290,656.16			Forecast	0.00	23,783.57	
	1					-	1			Test Year	-	r		Test Yea
ariance Analysis	Year	Year Year-over-year			Test Year Versus OEB- approved	Year	Year-ov	ver-year	Versus OEB- approved		Year	Year-ov	er-year	Versus OE approve
	2016					2016					2016			
	2017		0.1%			2017	-2.6%	-1.4%			2017	-2.7%	-1.6%	
	2018		-0.3%			2018	2.2%	-2.9%			2018	2.5%	-2.6%	
	2019		-0.5%			2019	-2.7%	-2.5%			2019	-2.2%		
	2020		-0.5%			2020	-5.9%	-6.9%			2020	-5.4%	-6.4%	
	2021		-0.3%			2021		-2.0%			2021		-1.8%	
			-0.3%			2022		-2.6%			2022		-2.3%	
	2022					Geometric	-3.1%	-3.7%			Geometric		-3.3%	

Table 3.28: General Service < 50 kW Variance</th>



The number of GS < 50 kW customers has steadily decreased since 2016 at an average rate of 0.4% per year. The trend can be attributed to a low growth in the local economy. A 5-year geomean growth rate was applied to 2020 Actual count for the 2021 Bridge Year and then to the 2021 Bridge Year for the 2022 Test year forecast. The forecast for the 2021 Bridge Year and the 2022 Test Year is a decrease of 2 customers over prior year, which is consistent with historical trend.

The actual kWh consumption has been decreasing since 2016 with the exception for 2018. Weather and pandemic are the major drivers to the changes in commercial consumption. The lower consumption in 2017 is related to the mild winter and summer. A very hot summer in 2018 pushed consumption higher. The shutdown policy during the COVID 19 pandemic has an opposite impact on commercial customers compared to residential in 2020. Business consumed 5.9% less energy despite a warmer summer in 2020. The average growth rate is -3.1% for the period 2016 - 2020.

If the weather factor is eliminated, i.e. **weather normalized consumption**, the average change over 2016 – 2020 is -4.6% per year. With the 2021 Bridge Year and 2022 Test Year added, the average change is -3.7% per year. The 2021 Bridge Year and 2022 Test Year weather normalized Forecast kWh is -2.0% and -2.6% lower than prior year.

The average consumption per customer shows a similar trend in both actual and weather normalized consumption which eliminates the impact of customer count changes. The average change in actual consumption for 2016 - 2020 is -2.7%, and the change in weather normalized consumption for period 2016 - 2022 is -3.3%.

General Service 50 to 4,999 kW

Table 3.29 below shows the yearly change in customer count and consumption for the General Service 50 to 4,999 kW class.

3 Customer Class:	GS 50 to 4,999 kV	N					Is the cust	omer class billed	on consumption ((kWh) or demand	ł	kW	J				
	Calendar Year			Ci	ustomers				Consumption (kWh) ⁽³⁾		Consumption (kWh) per Customer					
	(for 2022 Cost of Service							Actual (Weather actual)	Weather- normalized		Weather- normalized			Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016		Actual		OEB-approved		Actual	39,456,019.00		OEB-approved			Actual	616,500.30	623,730.38 OEB-a	approved	
Historical	2017		Actual	63			Actual	38,286,678.00	38,964,064.32				Actual	607,725.05	618,477.21		
Historical	2018		Actual	65			Actual	37,703,866.30					Actual	580,059.48			
Historical	2019		Actual	62			Actual	37,004,001.00					Actual	596,838.73			
Historical	2020		Actual	61			Actual	36,107,964.00					Actual		585,430.30		
Bridge Year	2021		Forecast	60			Forecast		34,605,282.26				Forecast	0.00	576,754.70		
Test Year	2022		Forecast	59			Forecast		33,433,327.13				Forecast	0.00	566,666.56		
Variance Analysis	Year	Year Year-over-year			Test Year Versus OEB- approved	Year	Year-o	ver-year		Test Year Versus OEB- approved		Year	Year-ov	er-year		Test Year Versus OEB- approved	
	2016						2016						2016				
	2017			-1.6%			2017	-3.0%	-2.4%				2017	-1.4%	-0.8%		
	2018			3.2%			2018	-1.5%	-3.9%				2018	-4.6%	-6.9%		
	2019			-4.6%			2019	-1.9%	-1.8%				2019	2.9%	3.0%		
	2020			-1.6%			2020	-2.4%	-2.9%				2020	-0.8%	-1.3%		
	2021			-1.6%			2021		-3.1%				2021		-1.5%		
	2022			-1.7%			2022		-3.4%				2022		-1.7%		
	Geometric Mean			-1.6%			Geometric	-2.9%	-3.5%				Geometric Mean	-1.3%	-1.9%		

Table 3.29: General Service 50 to 4,999 kW Variance

	Calendar Year Revenues								Demand (I	(W)		Demand (kW) per Customer					
	(for 2022 Cost of Service								Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016	Actual	\$	419,9	57 OEB-	8-approved		Actual	115,476.90	116,831	OEB-approved		Actual	1804.33	1825.49	OEB-approved	
Historical	2017	Actual	\$	425,8				Actual	111,704.20	113,681			Actual	1773.08			
Historical	2018	Actual	\$	456,2				Actual	112,493.40	111,684			Actual	1730.67			
Historical	2019	Actual	\$	460,3	13			Actual	109,763.60	109,086			Actual	1770.38	1759.45		
Historical	2020	Actual	\$	454,4	48			Actual	109,147.00	107,948			Actual	1789.30	1769.64		
Bridge Year (Foreca		Forecast	\$	436,4	24			Forecas		102,549			Forecast	0	1709.15		
Test Year (Forecast	2022	Forecast	\$	416,3	54			Forecas		99,076			Forecast	0	1679.26		
Variance Analysis							Test Year					Test Year	Year				Test Year
	Year	Year-over-year		Versus OEB-	Year	r Year-over-year			Versus OEB-		Year-over-year			Versus OEB-			
			_		_		approved					approved					approved
	2016							2016					2016				
	2017			1.4%				2017	-3.3%	-2.7%			2017	-1.7%			
	2018			7.1%				2018	0.7%	-1.8%			2018	-2.4%			
	2019			0.9%				2019	-2.4%	-2.3%			2019	2.3%			
	2020			-1.3%				2020	-0.6%	-1.0%			2020	1.1%	0.6%		
	2021			-4.0%				2021		-5.0%			2021		-3.4%		
	2022			-4.6%				2022		-3.4%			2022		-1.7%		
	Geometric Mean			-0.2%				Geometri Mean	-1.9%	-3.2%			Geometric Mean	-0.3%	-1.7%		

The number of customers in the GS 50 to 4,999 kW class has steadily decreased at an average rate of -1.6% per year since 2016. The region's manufacturing and retail footprint has struggled

over the past decade, reflecting the challenges faced in small towns in east Ontario with its' relatively narrow economic base and concentration in slow growing or declining industries. A 5-year geomean growth rate 0.9904 was applied to 2020 Actual count for the 2021 Bridge Year and then to the 2021 Bridge Year for the 2022 Test year forecast. The forecast for the 2021 Bridge Year and the 2022 Test Year is a decrease of 1 customer over prior year, which is consistent with historical trend.

The actual kWh consumption and kW demand has been declining since 2016 at an average rate of 2.9% and 1.9% respectively. Energy conservation, customer count and weather together affect industrial consumption and demand. The average growth rate for **weather normalized consumption and demand** is -3.5% and -3.2%. The 2021 Bridge Year and 2022 Test Year weather normalized Forecast kWh is -3.1% and -3.4% lower than prior year. The 2021 Bridge Year and 2022 Test Year and 2022 Test Year weather normalized Forecast kWh is -3.1% and -3.4% lower than prior year. The 2021 Bridge Year and 2022 Test Year weather normalized Forecast kW is -5.0% and -3.4% lower than prior year.

The average actual kW demand per customer showed a geomean decrease of 0.3% for period 2016 - 2020 and weather normalized kW per customer showed a geomean decrease of 1.7% for period 2016 - 2022.

Street Lights

Table 3.30 below illustrates the yearly change in consumption for the Street Lights class.

4 Customer Class:	Street Lights					Is the cust	omer class billed	on consumption	(kWh) or demand	kW]				
	Calendar Year Customers							Consumption ('kWh) ⁽³⁾			ustomer			
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized	
Historical	2016	Actual		OEB-approved		Actual	773,158.00	773,158.00	OEB-approved		Actual	451.87	451.87 OEE	3-approved	
Historical	2017	Actual	1,711			Actual	716,670.00	716,670.00			Actual	418.86	418.86		
Historical	2018	Actual	1,711			Actual	714,488.57	714,488.57			Actual	417.59	417.59		
Historical	2019	Actual	1,711			Actual	691,963.00	691,963.00			Actual	404.42	404.42		
Historical	2020	Actual	1,712			Actual	644,755.00	644,755.00			Actual	376.61	376.61		
Bridge Year	2021	Forecast	1,712			Forecast		642,913.64			Forecast	0.00	375.53		
Test Year	2022	Forecast	1,712			Forecast		642,913.64			Forecast	0.00	375.53		
Variance Analysis					Test Year					Test Year				Test Year	
	Year		Year-over-year		Versus OEB- approved	Year	Year-c	over-year		Versus OEB- approved	Year	Year-ov	er-year	Versus OEB- approved	
	2016			_	approved	2016			_	approved	2016			approveu	
	2017		0.0%			2017	-7.3%	-7.3%			2017	-7.3%	-7.3%		
	2018		0.0%			2018	-0.3%	-0.3%			2018	-0.3%	-0.3%		
	2019		0.0%			2019	-3.2%	-3.2%			2019	-3.2%	-3.2%		
	2020		0.1%			2013	-6.8%	-6.8%			2013	-6.9%	-6.9%		
	2021		0.0%			2021	0.070	-0.3%			2021	0.070	-0.3%		
	2021		0.0%			2027		0.0%			2022		0.0%		
			0.070			Geometric					Geometric				
	Geometric Mean		0.0%			Mean	-5.9%	-3.6%			Mean	-5.9%	-3.6%		
	Calendar Year Revenues							Demand (I	(W)		Demand (kW) per Customer				
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized	
Historical	2016	Actual		OEB-approved		Actual	2070.32	2,070	OEB-approved		Actual	1.21		3-approved	
Historical	2017	Actual	\$ 127,247			Actual	1944.62	1,945			Actual	1.14	1.14		
Historical	2018	Actual	\$ 101,590			Actual	1938.5	1,939			Actual	1.13	1.13		
Historical	2019	Actual	\$ 97,216			Actual	1886.9	1,887			Actual	1.10	1.10		
Historical	2020	Actual	\$ 99,153			Actual	1743.9	1,744			Actual	1.02			
Bridge Year (Forec		Forecast	\$ 96,242			Forecast		1,744			Forecast	0	1.02		
Test Year (Forecas	2022	Forecast	\$ 109,617			Forecast		1,744			Forecast	0	1.02		
Variance Analysis					Test Year					Test Year		1		Test Year	
	Year		Year-over-year		Versus OEB-	Year	Year-c	over-year		Versus OEB-	Year	Year-ov	er-year	Versus OEB-	
					approved					approved				approved	
	2016					2016					2016				
	2017		29.3%			2017	-6.1%	-6.1%			2017	-6.1%	-6.1%		
	2018		-20.2%			2018	-0.3%	-0.3%			2018	-0.3%	-0.3%		
1						2019	-2.7%	-2.7%			2019	-2.7%	-2.7%		
1	2019		-4.3%												
	2020		2.0%			2020	-7.6%	-7.6%			2020	-7.6%	-7.6%		
	2020 2021		2.0% -2.9%			2021	-7.6%	0.0%			2021	-7.6%	0.0%		
	2020		2.0%				-7.6%					-7.6%			

Table 3.30: Street Lights Variance

The connection count has been consistent since 2015 with 1 addition in 2020. The 2020 Actual connection has been used for the forecast for the 2021 Bridge Year and the 2022 Test Year.

LED conversion CDM programs for Street Lights implemented in 2016 and 2019 have reduced kWh **consumption** and kW demand by 5.9% and 5.6% on average in this rate class. Street Lights **consumption /demand** is not weather sensitive. For its Load Forecast, RSL is proposing to use 2020 Actual kWh with an adjustment for a 28-day February and 2022 Actual kW for the 2022 Test Year Forecast.

Sentinel Lights

Table 3.31 below illustrates the yearly change in consumption for the Sentinel Lights class.
5 Customer Class:	Sentinel Lights					Is the custo	mer class billed	on consumption	(kWh) or demand	(kW or kVA)?	kW]		
	Calendar Year		Cu	ustomers	_			Consumption	(kWb) ⁽³⁾				tion (kWh) per Cus	tomer
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2016	Actual		OEB-approved		Actual	106,791.00	106,791.00	OEB-approved		Actual	1,462.89	1,462.89 OEB-a	pproved
Historical	2017	Actual	71			Actual	99,906.00	99,906.00			Actual	1,407.13	1,407.13	
Historical	2018	Actual	72			Actual	97,401.00	97,401.00			Actual	1,352.79		
Historical	2019	Actual	74			Actual	98,084.00	98,084.00			Actual	1,325.46	1,325.46	
Historical	2020	Actual	73			Actual	96,660.00	96,660.00			Actual	1,324.11	1,324.11	
Bridge Year Test Year	2021 2022	Forecast Forecast	73 73			Forecast Forecast		94,789.32 92,954.85			Forecast Forecast	0.00	1,298.48 1,273.35	
lest tear	2022	Forecast	/3			Forecast		92,904.80			Forecast	0.00	1,273.35	
Variance Analysis	Year		Year-over-year		Test Year Versus OEB- approved	Year	Year-c	over-year		Test Year Versus OEB- approved	Year	Year-ov	er-year	Test Year Versus OEB- approved
	2016					2016					2016			
	2017		-2.7%			2017	-6.4%	-6.4%			2017	-3.8%	-3.8%	
	2018		1.4%			2018	-2.5%	-2.5%			2018	-3.9%	-3.9%	
	2019		2.8%			2019	0.7%	0.7%			2019	-2.0%	-2.0%	
	2020		-1.4%			2020	-1.5%	-1.5%			2020	-0.1%	-0.1%	
	2021		0.0%			2021		-1.9%			2021		-1.9%	
	2022		0.0%			2022		-1.9%			2022		-1.9%	
	Geometric Mean		0.0%			Geometric Mean	-3.3%	-2.7%			Geometric Mean	-3.3%	-2.7%	
	Calendar Year		R	evenues			Actual	Demand (kW)		-	Dema Actual	nd (kW) per Custor	ner
	(for 2022 Cost of Service						(Weather actual)	Weather- normalized		Weather- normalized		(Weather actual)	Weather- normalized	Weather- normalized
Historical	2016			OEB-approved		Actual	302	302	OEB-approved		Actual	4.14	4.14 OEB-a	pproved
Historical	2017		\$ 7,064			Actual	275.7	276			Actual	3.88	3.88	
Historical Historical	2018 2019		\$ 7,499 \$ 7,970			Actual Actual	270.2 272.4	270 272			Actual	3.75	3.75 3.68	
Historical	2019		\$ 7,970 \$ 7,969				268.5	269				3.68	3.68	
Bridge Year (Forec			\$ 7,909 \$ 7,898			Actual Forecast	208.5	263			Actual Forecast	3.68	3.68	
Test Year (Forecas			\$ 10.077			Forecast		258			Forecast	0	3.54	
reat real (rendedab	LULL	1 Or COULA	φ 10,077			TOTODUDI		200			Torodubt	5	0.04	
Variance Analysis	Year		Year-over-year		Test Year Versus OEB- approved	Year	Year-c	over-year		Test Year Versus OEB- approved	Year	Year-ov	er-year	Test Year Versus OEB- approved
1						2016					2016			
	2016													
	2017	1	9.1%			2010	-8.7%	-8.7%			2017	-6.1%	-6.1%	
	2017 2018		6.2%			2017 2018	-2.0%	-2.0%	-		2018	-3.4%	-3.4%	
	2017 2018 2019	I	6.2% 6.3%			2017 2018 2019	-2.0% 0.8%	-2.0% 0.8%			2018 2019	-3.4% -1.9%	-3.4% -1.9%	
	2017 2018 2019 2020		6.2% 6.3% 0.0%			2017 2018 2019 2020	-2.0%	-2.0% 0.8% -1.4%			2018 2019 2020	-3.4%	-3.4% -1.9% -0.1%	
	2017 2018 2019 2020 2021	I	6.2% 6.3% 0.0% -0.9%			2017 2018 2019 2020 2021	-2.0% 0.8%	-2.0% 0.8% -1.4% -1.9%	-		2018 2019 2020 2021	-3.4% -1.9%	-3.4% -1.9% -0.1% -1.9%	
	2017 2018 2019 2020		6.2% 6.3% 0.0%			2017 2018 2019 2020	-2.0% 0.8%	-2.0% 0.8% -1.4%	-		2018 2019 2020	-3.4% -1.9%	-3.4% -1.9% -0.1%	

Table 3.31: Sentinel Lights Variance

The connection count for the Sentinel Lights has been stable since 2016. The forecast for the 2021 Bridge Year and the 2022 Test Year remains unchanged from the 2020 Actual.

The consumption kWh and demand kW has declined at an average rate of 3.3% and 3.8% for the past 5 years. Sentinel Lights **consumption /demand** are not weather sensitive. RSL is proposing to use 2020 connection count and average consumption kWh to calculate consumption and demand for the 2022 Test Year forecast for this rate class.

Unmetered Loads

Table 3.32 below illustrates the yearly change in consumption for the Unmetered Loads class.

	Calendar Year		Cu	istomers				Consumption (kWh) ⁽³⁾			Consumption (kWh) per Customer		
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
listorical	2016	Actual	58	OEB-approved		Actual	546,384.00	546,384.00	OEB-approved		Actual	9,420.41	9,420.41 OEB-approved	
istorical	2017	Actual	57			Actual	539,097.00	539,097.00			Actual	9,457.84	9,457.84	
storical	2018	Actual	57			Actual	541,637.00	541,637.00			Actual	9,502.40	9,502.40	
storical	2019	Actual	57			Actual	542,146.00	542,146.00			Actual	9,511.33	9,511.33	
storical	2020	Actual	57			Actual	535,316.00	535,316.00			Actual	9,391.51	9,391.51	
ridge Year	2021	Forecast	57			Forecast		535,316.00			Forecast	0.00	9,391.51	
est Year	2022	Forecast	57			Forecast		535,316.00			Forecast	0.00	9,391.51	
	1						1				1			Test Year
ariance Analysis	Year		v		Test Year Versus OEB-	Year	¥	er-year		Test Year Versus OEB-	Year	Year-ov		Versus OEB
	rear		Year-over-year		approved	rear	rear-o	er-year		approved	rear	rear-ov	er-year	approved
					approved					approved				approved
	2016					2016								
	2016		-1.7%			2016	-1 3%	-1.3%			2016	0.4%	0.4%	
	2017		-1.7%			2017	-1.3%	-1.3%			2017	0.4%	0.4%	
			-1.7% 0.0% 0.0%				-1.3% 0.5% 0.1%	-1.3% 0.5% 0.1%				0.4% 0.5% 0.1%	0.4% 0.5% 0.1%	
	2017 2018		0.0%			2017 2018	0.5%	0.5%			2017 2018	0.5%	0.5%	
	2017 2018 2019		0.0% 0.0%			2017 2018 2019	0.5% 0.1%	0.5% 0.1%			2017 2018 2019	0.5% 0.1%	0.5% 0.1%	
	2017 2018 2019 2020		0.0% 0.0% 0.0%			2017 2018 2019 2020	0.5% 0.1%	0.5% 0.1% -1.3%	1		2017 2018 2019 2020	0.5% 0.1%	0.5% 0.1% -1.3%	

Table 3.32: Unmetered Loads Variance

	Calendar Year			R	evenues	
	(for 2022 Cost of Service					
Historical	2016	Actual	\$	12,979	OEB-approved	
Historical	2017	Actual	\$	13,087		
Historical	2018	Actual	\$	13,921		
Historical	2019	Actual	\$	14,140		
Historical	2020	Actual	\$	13,949		
Bridge Year (Foreca	2021	Forecast	\$	14,247		
Test Year (Forecast	2022	Forecast	\$	16,308		
Variance Analysis	Year		Ye	ar-over-year		Test Year Versus OEB- approved
	2016					
	2017			0.8%		
	2018			6.4%		
	2019			1.6%		
	2020			-1.3%		
	2021			2.1%		
	2022			14.5%		
	Geometric Mean			4.7%		

The connection count of the Unmetered Loads has been consistent since 2016. The 2020 Actual has been used for the forecast for the 2021 Bridge Year and the 2022 Test Year.

The **consumption** shows a slight decrease of 0.7% on average per year. The forecast consumption for 2022 remains unchanged from 2020 Actual.

2016 Actual vs 2016 Board Approved

According to the OEB's Decision on RSL's 2016 COS, 2016 Actual consumption (kWh and kW) and customer / connection counts were used as the Test Year Forecast to determine distribution rates and rate riders. Therefore in the following table, the billing determinants for 2016 Actual and 2016 Board Approved are identical.

	2016 Board Approved	2016 Actual	Varia	nce
				%
Residential				
# of Customers	5,071	5,071	0	0.0%
kWh - actual	40,480,043	40,480,043	0	0.0%
kWh - weather normalized	40,480,043	40,480,043	0	0.0%
General Service < 50 kW				
# of Customers	740	740	0	0.0%
kWh - actual	20,348,623	20,348,623	-0	0.0%
kWh - weather normalized	20,348,623	20,348,623	0	0.0%
General Service 50 to 4,999 kW				
# of Customers	64	64	0	0.0%
kWh - actual	39,456,019	39,456,019	0	0.0%
kWh - weather normalized	39,456,019	39,456,019	0	0.0%
kW - actual	115,477	115,477	-0	0.0%
kW - weather normalized	115,477	115,477	0	0.0%
Street Lights				
# of Customers	1,711	1,711	0	0.0%
kWh - actual	773,158	773,158	0	0.0%
kWh - weather normalized	773,158	773,158	0	0.0%
kW - actual	2,070	2,070	0	0.0%
kW - weather normalized	2,070	2,070	0	0.0%
Sentinel Lights				
# of Customers	73	73	0	0.0%
kWh - actual	106,791	106,791	0	0.0%
kWh - weather normalized	106,791	106,791	0	0.0%
kW - actual	302	302	0	0.0%
kW - weather normalized	302	302	0	0.0%
Unmetered Loads				
# of Customers	58	58	0	0.0%
kWh - actual	546,384	546,384	0	0.0%
kWh - weather normalized	546,384	546,384	0	0.0%
Total				
# of Customers	7,717	7,717	0	0.0%
kWh - actual	101,711,018	101,711,018	0	0.0%
kWh - weather normalized	101,711,018	101,711,018	0	0.0%
kW - actual	117,849	117,849	0	0.0%
kW - weather normalized	117,849	117,849	0	0.0%

Table 3.33: 2016 Actual vs 2016 Board Approved

2022 Test Year vs 2021 Bridge Year

Table 3.24 below provides details of the variances by rate class between the 2021 Bridge Year and 2022 Test Year (Weather Normalized).

	Forecast		
	2021 Bridge	2022 Test	
	Year	Year	Variance
	loai	loai	Varianoo
By Class			
Residential			
Customers	5,118	5,129	11
kWh	43,191,009	43,536,196	345,187
General Service < 50 kW			
Customers	729	727	-2
kWh	17,747,657	17,290,656	-457,001
	17,747,037	17,230,030	-437,001
General Service 50 to 4,99	9 kW		
Customers	60	59	-1
kWh	34,605,282	33,433,327	-1,171,955
kW	102,549	99,076	-3,473
Street Lights			
Connections	1,712	1,712	0
kWh	642,914	642,914	0
kW	1,744	1,744	0
Sentinel Lights			
Connections	73	73	0
kWh	94,789	92,955	-1,834
kW	263	258	-5
Unmotored Landa			
Unmetered Loads	57	57	
	-	-	0
kWh	535,316	535,316	0
Total			
Customer/Connections	7,749	7,757	8
kWh	96,816,968	95,531,364	-1,285,604
kW from applicable classes	104,556	101,078	-3,478

Table 3.34: 2022 Test Year vs 2021 Bridge Year

RSL has completed worksheet "Appendix 2-IB Load Forecast Analysis" and included it in Appendix 3.3 of this Exhibit.

Other Revenues

Ex.3/Tab 3/Sch. 1 - Overview of Other Revenue

Other Distribution Revenues are revenues that are distribution related but are sourced from means other than distribution rates. For this reason, other revenues are deducted from RSL's proposed revenue requirement. Further details on the derivation of the Revenue Requirement are presented in Exhibit 6.

Other Distribution Revenues includes items such as:

- Specific Service Charges
- Late Payment Charges
- Other Distribution Revenues
- Other Income and Expenses

A detailed breakdown by USoA account is shown in Table 3.35 - Appendix 2-H.

Table 3.35: Appendix 2-H Other Operating Revenue

Appendix 2-H Other Operating Revenue

USoA #	USoA Description	20	D16 Actual ²	2	017 Actual ²	20	018 Actual ²	20	019 Actual ²	2	020 Actual	В	ridge Year	-	Test Year
	· · ·	1	2016		2017		2018		2019		2020	1	2021		2022
	Reporting Basis		MIFRS		MIFRS		MIFRS		MIFRS		MIFRS		MIFRS		MIFRS
4082	Retail Services Revenues	-\$	6,756	-\$	6,492	-\$	6,160	-\$	7,045	-\$	7,152	-\$	7,260	-\$	9,300
4084	Service Transaction Requests (STR) Revenues	-\$	45	-\$	28	-\$	31	-\$	36	-\$	34		40		40
4086	SSS Administration Revenue	-\$	21,243	-\$	22,043	-\$	21,942	-\$	21,856	-\$	21,748		21,000	-\$	21,000
4090	Electric Services Incidental to Energy Sales	\$		\$		\$		\$	-	\$		Ť	,	Ť	
4205	Interdepartmental Rents	\$	-	\$	-	ŝ	-	\$	-	\$	-				
4210	Rent from Electric Property	-\$	43,739	-\$	43,739	-\$	42,402	-\$	44,208	-\$	44,409	-\$	44,410	-\$	88,903
4215	Other Utility Operating Income	\$	-	\$	-	\$	-	Ŝ	-	\$	-	Ť	,	Ť	00,000
4220	Other Electric Revenues	-\$	2,234	-\$	3,954	-\$	7,284	-\$	7,688	-\$	11,968	-\$	9,000	-\$	9,000
4225	Late Payment Charges	-\$	75,314	-\$	70,390	-\$	58,515	-\$	55,106	-\$	69,107		60,000		60,000
4230	Sales of Water and Water Power	\$	-	\$	-	\$	-	\$	-	\$	-	V	00,000	Ψ	00,000
4235	Miscellaneous Service Revenues	-\$	116,376	-\$	97,264	-\$	81,167	-\$	78,315	-\$	106,104	-\$	107,197	-\$	23,875
4240	Provision for Rate Refunds	\$	-	\$		\$	-	\$	-	\$	-	Ψ	107,107	Ψ	20,010
4245	Government and Other Assistance Directly Credited to Income	\$	-	\$		\$		\$	-	\$ \$					
4305	Regulatory Debits	\$		\$		\$		\$	-	ş \$					
4305	Regulatory Credits	э \$		э \$		٦ \$		۵ ۵		э \$		-		-	
4310	Revenues from Electric Plant Leased to Others	\$ \$		э \$		٦ \$	<u> </u>	۰ ۶		э \$	· ·				
4315	Expenses of Electric Plant Leased to Others	\$ \$		э \$		٦ \$		۰ ج		э \$				-	
4320	Revenues from Merchandise	э \$		э \$		۵ ۵		⇒ \$	-	٦ \$					
4325	Costs and Expenses of Merchandising	\$ \$		э \$		٦ \$		э \$		э \$					
4335			-	۹ \$		\$		\$	-	۹ \$	-				
4335	Profits and Losses from Financial Instrument Hedges Profits and Losses from Financial Instrument Investments	\$ \$		<u>э</u> 9		\$ \$	-	\$ \$	-	ծ \$					
4340				э \$		\$ \$		\$ \$						-	
4345	Gains from Disposition of Future Use Utility Plant	\$ \$	-		-	\$ \$	-	\$ \$	-	\$ \$	-				
	Losses from Disposition of Future Use Utility Plant			\$			-								
4355	Gain on Disposition of Utility and Other Property	-\$	3,285	-\$	5,008	\$		\$	-	\$	-				
4357	Gain from Retirement of Utility and Other Property	\$	-	\$	-	\$	-	\$	-	\$	-				
4360	Loss on Disposition of Utility and Other Property	\$	8,790	\$	5,278	\$	8,614	\$	7,731	\$	4,076	\$	6,000	\$	8,000
4362	Loss from Retirement of Utility and Other Property	\$	-	\$		\$		\$	-	\$	-				
4365	Gains from Disposition of Allowances for Emission	\$	-	\$	-	\$		\$	-	\$	-				
4370	Losses from Disposition of Allowances for Emission	\$	-	\$	-	\$	-	\$	-	\$	-			^	
4375	Revenues from Non Rate-Regulated Utility Operations	-\$	6,799	-\$	39,529	-\$	5,064	\$	-	\$	-	\$	-	\$	-
4380	Expenses of Non Rate-Regulated Utility Operations	\$	-	\$		\$		\$	-	\$	-				
4385	Non Rate-Regulated Utility Rental Income	\$	-	\$	-	\$	-	\$	-	\$	-				
4390	Miscellaneous Non-Operating Income	\$	-	\$	-	\$	-	\$	-	\$	-				
4395	Rate-Payer Benefit Including Interest	\$	-	\$	-	\$	-	\$	-	\$	-				
4398	Foreign Exchange Gains and Losses, Including Amortization	\$	-	\$	-	\$	-	\$	-	\$	-				
4405	Interest and Dividend Income	-\$	17,300	-\$	17,347	-\$	17,945	-\$	20,164	-\$	10,282	-\$	3,500	-\$	3,500
4410	Lessor's Net Investment in Finance Lease	\$	-	\$	-	\$	-	\$	-	\$					
4415	Equity in Earnings of Subsidiary Companies	\$	-	\$		\$	-	\$	-	\$					
4420	Share of Profit or Loss of Joint Venture	\$	-	\$	-	\$	-	\$	-	\$	-				
		1													
	bus Service Revenues	-\$	116,376		97,264		81,167		78,315		106,104		107,197		23,875
	ent Charges	-\$		-\$	70,390	-\$	58,515		55,106		69,107		60,000	-\$	60,000
	rating Revenues	-\$		-\$			77,820		80,833		85,311		81,710		128,243
Other Inco	me or Deductions	-\$	18,594	-\$	56,605	-\$	14,394	-\$	12,433	-\$	6,207	\$	2,500	\$	4,500
Total		-\$	284,299	-\$	300,513	-\$	231,896	_ه ا	226,687	¢	266,728	-\$	246,407	-\$	207,618

Rideau St. Lawrence Distribution Inc. EB-2021-0056 Exhibit 3 – Operating Revenue Filed: December 1, 2021

	2	016 Actual ²	2	017 Actual ²	2	018 Actual ²	20	19 Actual ²	20	020 Actual	В	ridge Year	٦	est Year
		2016		2017		2018	L	2019	L	2020		2021		2022
Reporting Basis	\perp	MIFRS		MIFRS		MIFRS	L	MIFRS	<u> </u>	MIFRS		MIFRS		MIFRS
Misc Bill Ready Charges (BRC)	-\$	826	-\$		-\$		-\$		-\$	872		781	-\$	1,000
Fixed Charges	-\$	1	-\$		-\$		-\$	4,665		4,481		4,918	-\$	6,300
Variable charges	-\$	1,853	-\$	1,605	-\$	1,401	-\$	1,573		1,789		1,561	-\$	2,000
Notice of Switch Letter	\$	-	\$	-	\$	-	-\$	32	-\$	10	\$	-	\$	-
	+-		_				-		<u> </u>					
	+-		-				-		<u> </u>					
	+-		-				-		<u> </u>					
T-(-)	-	0.755	6	0.400	¢	0.400	¢	7.045	C.	7.450	¢	7.000	¢	0.000
Total	-\$	6,755	-\$	6,492	-\$	6,160	-\$	7,045	-\$	7,152	-\$	7,260	-\$	9,300
Account 4084 - Service Transaction Requests (STR)	-													
Account 4004 - Dervice mansaction Requests (DTR)	1 2	016 Actual ²	2	017 Actual ²	2	018 Actual ²	2(19 Actual ²	2	020 Actual	B	ridge Year		est Year
	Ť	2016	-	2017	~	2018		2019		2020		2021		2022
Reporting Basis	+	MIFRS		MIFRS		MIFRS	-	MIFRS	<u> </u>	MIFRS		MIFRS		MIFRS
STR Processed	-\$		-\$	12	-\$		-\$	23	-\$	13	-\$	15	-\$	15
STR Request	-\$		-\$	15	-\$		-\$	13		21		25	-\$	25
	Ť		, and the second	10	Ψ	21	Ŵ	10	Ψ.	21	Ψ	20	Ψ	20
			1											
			1											
			1											
Total	-\$	47	-\$	27	-\$	31	-\$	36	-\$	34	-\$	40	-\$	40
	<u> </u>						<u> </u>		<u> </u>		· ·		·	
Account 4210 - Rent from Electric Property	-													
	2	016 Actual ²	2	017 Actual ²	2	018 Actual ²	20	19 Actual ²	2	020 Actual	В	ridge Year	1	est Year
	-	2016		2017		2018		2019	-	2020		2021		2022
Reporting Basis	+	MIFRS		MIFRS		MIFRS		MIFRS	· · · ·	MIFRS		MIFRS		MIFRS
Joint Use - Be Joint Use - Bell Canada	-\$		-\$		-\$		-\$		-\$	18,011	-\$	18,011	-\$	36,056
Joint Use - W Joint Use - WTC Communications	-\$		-\$		-\$		-\$	3,911	-\$	3,703		3,703	-\$	7,414
Joint Use - C: Joint Use - Cable Companies	-\$		-\$	22,328	-\$		-\$	22,329		22,695		22,695	-\$	45,433
	T		Ľ					10.0	<u> </u>	1	Ľ	1	·	
Total	-\$	43,739	-\$	43,739	-\$	42,402	-\$	44,209	-\$	44,409	-\$	44,410	-\$	88,903
	_													
Account 4235 - Specific Service Charges	_		-						_					
	2	016 Actual ²	2	017 Actual ²		018 Actual ²	1 20	19 Actual ²		020 Actual				est Year
			-		2				2		В	ridge Year	1	
	-	2016		2017	2	2018		2019		2020	В	2021	٦	2022
Reporting Basis	T	MIFRS		2017 MIFRS		2018 MIFRS		MIFRS		2020 MIFRS		2021 MIFRS		
Collection Chr.Collection Charges	-\$	MIFRS 83,067	-\$	2017 MIFRS 63,650	-\$	2018 MIFRS 46,617	-\$	MIFRS 50,251	-\$	2020 MIFRS 82,887	-\$	2021 MIFRS 83,067	\$	2022 MIFRS
Collection Ch: Collection Charges Account Histo Account History Charges	-\$	MIFRS 83,067 45	-\$ -\$	2017 MIFRS 63,650 15	\$	2018 MIFRS 46,617 30	-\$	MIFRS 50,251 45	-\$ -\$	2020 MIFRS 82,887 60	-\$ -\$	2021 MIFRS 83,067 45	\$ -\$	2022 MIFRS - 30
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges	-\$ -\$	MIFRS 83,067 45 25,980	-\$ -\$	2017 MIFRS 63,650 15 27,608	မှ မှ မှ	2018 MIFRS 46,617 30 27,496		MIFRS 50,251 45 23,715	- - - - - - - - - - - - - - - - - - -	2020 MIFRS 82,887 60 20,958	-\$	2021 MIFRS 83,067 45 21,280	\$ \$	2022 MIFRS - 30 21,000
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF)	-\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050	မှ မှ မှ မှ	2018 MIFRS 46,617 30 27,496 1,245	နှ နှ နှ	MIFRS 50,251 45 23,715 1,245	-\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735	-\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725	\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R: Disconnect/Reconnect Charges	-\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690	\$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075	()	2018 MIFRS 46,617 30 27,496 1,245 4,335	\$ \$ \$ \$ \$ \$ \$	MIFRS 50,251 45 23,715 1,245 1,615	-\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260	-\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695	\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700
Collection Ch: Collection Charges Account Histot Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/Rc Disconnect/Reconnect Charges Micro-Fit Serv Micro-Fit Service Charges	-\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867	<u> କ୍</u> କ୍ କ୍ କ୍ କ୍	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	MIFRS 50,251 45 23,715 1,245 1,615 1,445	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2020 MIFRS 82,887 60 20,958 735 260 1,444	- - - - - - - - - - - - - - - - - - -	2021 MIFRS 83,067 45 21,280 725 695 1,445	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700 1,445
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R: Disconnect/Reconnect Charges	-\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454	\$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075	()	2018 MIFRS 46,617 30 27,496 1,245 4,335	\$ \$ \$ \$ \$ \$ \$	MIFRS 50,251 45 23,715 1,245 1,615	-\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260	- - - - - - - - - - - - - - - - - - -	2021 MIFRS 83,067 45 21,280 725 695	\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700
Collection Ch: Collection Charges Account Histor Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/RDisconnect/Reconnect Charges Micro-Fit Service Charges Micro-Fit Service Charges	-\$ -\$ -\$ \$ \$	MIFRS 83,067 45 25,980 1,140 5,690 454 -	မှ မှ မှ မှ မှ မှ	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 -	မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 -	မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ	MIFRS 50,251 45 23,715 1,245 1,615 1,445 -	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2020 MIFRS 82,887 60 20,958 735 260 1,444 240	- - - - - - - - - - - - - - - - - - -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700 1,445 -
Collection Ch: Collection Charges Account Histot Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/Rc Disconnect/Reconnect Charges Micro-Fit Serv Micro-Fit Service Charges	-\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 -	<u> କ୍</u> କ୍ କ୍ କ୍ କ୍	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	MIFRS 50,251 45 23,715 1,245 1,615 1,445	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2020 MIFRS 82,887 60 20,958 735 260 1,444	- - - - - - - - - - - - - - - - - - -	2021 MIFRS 83,067 45 21,280 725 695 1,445	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700 1,445
Collection Chri Collection Charges Account Histo Account History Charges Occupancy Cocupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total	-\$ -\$ -\$ \$ \$	MIFRS 83,067 45 25,980 1,140 5,690 454 -	မှ မှ မှ မှ မှ မှ	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 -	မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 -	မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ္ မ	MIFRS 50,251 45 23,715 1,245 1,615 1,445 -	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2020 MIFRS 82,887 60 20,958 735 260 1,444 240	- - - - - - - - - - - - - - - - - - -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS - 30 21,000 700 700 1,445 -
Collection Ch: Collection Charges Account Histor Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/RDisconnect/Reconnect Charges Micro-Fit Service Charges Micro-Fit Service Charges	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - - 97,264	မ္ မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - 81,167	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 107,197	\$ -\$ -\$ -\$ -\$ \$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 - 23,875
Collection Chri Collection Charges Account Histo Account History Charges Occupancy Cocupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264	မ္ မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - - 81,167 81,167	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315 M19 Actual ²	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 107,197 ridge Year	\$ -\$ -\$ -\$ -\$ \$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 - 23,875
Collection Chr.Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect Reconnect Charges Miscre-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 2016 Actual ² 2016	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 2017 Actual ² 2017	မ္ မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - - 81,167 018 Actual ² 2018	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315 78,315 19 Actual ² 2019	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104 106,104	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 6095 1,445 60 107,197 ridge Year 2021	\$ -\$ -\$ -\$ -\$ \$ -\$ -\$	2022 MIFRS - - 30 21,000 700 1,445 - 23,875 23,875
Collection Chr/Collection Charges Account Histo Account History Charges Occupancy Cocupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect Reconnect Charges Micro-Fit Sen Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Reporting Basis	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264	မ္ မ္ မ္ မ္ မ္ မ္	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - - 81,167 81,167	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315 M19 Actual ²	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 107,197 ridge Year	\$ -\$ -\$ -\$ -\$ \$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 - 23,875
Collection Chr: Collection Charges Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Sen Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Reporting Basis Short-term Investment Interest	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$ \$ -\$ 2	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 116,376 2016 Actual ² 2016 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2017 MIFRS 63,650 15 27,608 4,075 867 - - 97,264 2017 Actual ² 2017 MIFRS		2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - 81,167 018 Actual ² 2018 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315 78,315 119 Actual ² 2019 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104 2020 Actual 2020 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 107,197 ridge Year 2021 MIFRS	\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 - 23,875 23,875 est Year 2022 MIFRS
Collection ChrcOllection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect Revonect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500
Collection Chr: Collection Charges Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Sen Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Reporting Basis Short-term Investment Interest	-\$ -\$ -\$ -\$ \$ -\$ \$ -\$ \$ -\$ 2	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824		2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,615 1,445 - 78,315 78,315 119 Actual ² 2019 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 260 1,444 240 106,104 2020 Actual 2020 MIFRS	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 107,197 ridge Year 2021 MIFRS	\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS - - 30 21,000 700 1,445 - - 23,875 23,875 23,875 2022 MIFRS
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy C Occupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 016 Actual ² 2016 MIFRS 5,388	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 1,050 4,075 867 - 97,264 97,264 017 Actual ² 2017 MIFRS 6,824	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 81,167 81,167 2018 Actual ^P 2018 MIFRS 9,427	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500
Collection Ch: Collection Charges Account Histo Account History Charges Occupancy Coccupancy Charges Returned Che Returned Cheque Charges (NSF) Disconnect/R Disconnect/Reconnect Charges Micro-Fit Service Charges Miscellaneous Miscellaneous Charges Total Account 4405 - Interest and Dividend Income Reporting Basis Short-term Investment Interest Bank Deposit Interest	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 83,067 45 25,980 1,140 5,690 454 - 116,376 2016 Actual ² 2016 MIFRS 5,388 11,912	- - - - - - - - - - - - - - - - - - -	2017 MIFRS 63,650 15 27,608 4,075 867 - 97,264 2017 Actual ² 2017 MIFRS 6,824 10,523	• •	2018 MIFRS 46,617 30 27,496 1,245 4,335 1,444 - 81,167 018 ActuaP 2018 MIFRS 9,427 8,518	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	MIFRS 50,251 45 23,715 1,245 1,445 1,445 78,315 M19 Actual ^P 2019 MIFRS 11,272	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2020 MIFRS 82,887 60 20,958 735 2600 1,444 240 106,104 020 Actual 2020 MIFRS 2,311	-\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2021 MIFRS 83,067 45 21,280 725 695 1,445 60 1,445 60 107,197 ridge Year 2021 MIFRS 500	\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$ -\$	2022 MIFRS 30 21,000 700 1,445 23,875 est Year 2022 MIFRS 500

Ex.3/Tab 3/Sch. 2 - Other Revenue Variance Analysis

2016 Actual vs 2016 Board Approved

In the 2016 COS, our unaudited 2016 Actual was used for the Test Year. The only difference between the Actual and Board Approved is Account 4405 interest and dividend income, as well as a small variance in Gain/Loss on Disposition. Table 3.36 displays the details.

USoA #	USoA Description	2016 Board Approved	2016 Actual	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	116,376.00	116,376.00	0.00	0%
4225	Late Payment Charges	75,314.00	75,314.00	0.00	
4082	Retail Services Revenues	7,011.00	6,755.64	-255.36	
4084	Service Transaction Requests	45.00	45.00	0.00	0%
4086	SSS Administration Revenue	21,243.00	21,243.00	0.00	0%
4210	Rent from Electric Property	43,739.00	43,739.00	0.00	0%
4220	Other Electric revenues		2,234.00		
4355	Gain on Disposition		3,285.00	3,285.00	
4360	Loss on Disposition	-5,505.00	-8,789.80	-3,284.80	60%
4375	Revenues from Non-Utility Operations	6,799.00	6,799.00	0.00	0%
4380	Expenses of Non-Utility Operations				
4390	Miscellaneous Non-Operating Income				
4405	Interest and Dividend Income	5,232.00	17,299.69	12,067.69	231%
Specific S	Service Charges	116,376.00	116,376.00	0.00	0%
Late Payı	ment Charges	75,314.00	75,314.00	0.00	0%
Other Op	erating Revenues	72,038.00	74,016.64	-255.36	0%
Other Inc	ome or Deductions	6,526.00	18,593.89	12,067.89	185%
Total		270,254.00	284,300.53	11,812.53	4%

Table 3.36: 2016 Actual vs 2016 Board Approved

2017 Actual vs 2016 Actual

2017 Actual is greater than 2016 by \$16,214 or 6%. Table 3.37 displays the details.

USoA #	USoA Description	2016 Actual	2017 Actual	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	116,376	97,264	(19,112)	-16%
4225	Late Payment Charges	75,314	70,390	(4,924)	-7%
4082	Retail Services Revenues	6,756	6,492	(264)	-4%
4084	Service Transaction Requests	45	27	(18)	-40%
4086	SSS Administration Revenue	21,243	22,043	800	4%
4210	Rent from Electric Property	43,739	43,739	-	0%
4220	Other Electric revenues	2,234	3,954	1,720	77%
4355	Gain on Disposition	- 3,285	5,008	1,723	
4360	Loss on Disposition	(8,790)	(5,278)	3,512	-40%
4375	Revenues from Non-Utility Operations	6,799	39,529	32,730	481%
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	17,300	17,347	47	0%
Specific S	Service Charges	116,376	97,264	(19,112)	-16%
Late Payr	ment Charges	75,314	70,390	(4,924)	-7%
Other Inc	ome or Deductions	74,016.64	76,254.55	2,237.91	3%
Other Ope	erating Revenues	18,594	56,606	38,012	204%
Total		284,301	300,514	16,214	6%

Table 3.37: 2017 Actual vs 2016 Actual

2018 Actual vs 2017 Actual

2018 Actual is lower than 2017 by \$68,618 or 23%. CDM incentive and lost revenue for Collection of Account Charge are the major drivers for the decline. RSL received a CDM incentive of \$39,529 from the IESO in 2017. The CDM incentive in 2018 is \$34,465 lower than 2017. RSL could not collect collection of account charge for the whole winter in 2018 because of the disconnection ban issued in EB-2017-0318 on November 2, 2017. The lost revenue for collection of account charge in 2018 is \$17,000. Table 3.38 displays the details.

USoA #	USoA Description	2017 Actual	2018 Actual	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	97,264	81,167	(16,097)	-17%
4225	Late Payment Charges	70,390	58,515	(11,875)	-17%
4082	Retail Services Revenues	6,492	6,160	(331)	-5%
4084	Service Transaction Requests	27	31	4	16%
4086	SSS Administration Revenue	22,043	21,942	(101)	0%
4210	Rent from Electric Property	43,739	42,402	(1,337)	-3%
4220	Other Electric revenues	3,954	7,284	3,330	84%
				-	
4355	Gain on Disposition	5,008	-	(5,008)	
4360	Loss on Disposition	(5,278)	(8,614)	(3,336)	63%
4375	Revenues from Non-Utility Operations	39,529	5,064	(34,465)	-87%
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	17,347	17,945	598	3%
				-	
				-	
				-	
Specific S	Service Charges	97,264	81,167	(16,097)	-17%
Late Payr	ment Charges	70,390	58,515	(11,875)	-17%
Other Inc	ome or Deductions	76,254.55	77,819.23	1,564.68	2%
Other Ope	erating Revenues	56,606	14,395	(42,211)	-75%
Total		300,514	231,896	(68,618)	-23%

Table 3.38: 2018 Actual vs 2017 Actual

2019 Actual vs 2018 Actual

2019 Actual is slightly lower than 2018 by \$5,209, or 2%. Table 3.39 displays the details.

USoA #	USoA Description	2018 Actual	2019 Actual	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	81,167	78,315	(2,852)	-4%
4225	Late Payment Charges	58,515	55,106	(3,409)	-6%
4082	Retail Services Revenues	6,160	7,045	884	14%
4084	Service Transaction Requests	31	36	5	15%
4086	SSS Administration Revenue	21,942	21,856	(86)	0%
4210	Rent from Electric Property	42,402	44,209	1,807	4%
4220	Other Electric revenues	7,284	7,688	404	6%
4355	Gain on Disposition	-	-	-	
4360	Loss on Disposition	(8,614)	(7,731)	883	-10%
4375	Revenues from Non-Utility Operations	5,064	-	(5,064)	-100%
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	17,945	20,164	2,220	12%
Specific S	Service Charges	81,167	78,315	(2,852)	-4%
	ment Charges	58,515.1	55,105.6	-3,409.5	-6%
Other Inc	ome or Deductions	77,819.2	80,833.6	3,014.4	4%
Other Ope	erating Revenues	14,395	12,433	(1,962)	-14%
Total		231,896	226,688	(5,209)	-2%

Table 3.39: 2019 Actual vs 2018 Actual

2020 Actual vs 2019 Actual

2020 Actual is greater than 2019 by \$40,041 or 19%. RSL was able to record the lost revenue for Collection of Account Charge in a 1508 variance account as per the OEB's decision for our 2019 IRM (EB-2018-0065). The establishment of the variance account has led to an increase of \$32,800 in collection of account charge over 2019. For more information, please see Ex.9/Tab 1/Sch.5. Table 3.40 displays the details.

USoA #	USoA Description	2019 Actual	2020 Actual	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	78,315	106,104	27,788	35%
4225	Late Payment Charges	55,106	69,107	14,001	25%
4082	Retail Services Revenues	7,045	7,152	107	2%
4084	Service Transaction Requests	36	34	(2)	-6%
4086	SSS Administration Revenue	21,856	21,748	(108)	0%
4210	Rent from Electric Property	44,209	44,409	200	0%
4220	Other Electric revenues	7,688	11,968	4,280	56%
4355	Gain on Disposition	-	-	-	
4360	Loss on Disposition	(7,731)	(4,076)	3,656	-47%
4375	Revenues from Non-Utility Operations	-	-	-	
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	20,164	10,282	(9,882)	-49%
Specific S	Service Charges	78,315	106,104	27,788	35%
	ment Charges	55,106	69,107	14,001	25%
Other Op	erating Revenues	80,833.60	85,311.15	4,477.55	6%
Other Inc	ome or Deductions	12,433	6,207	(6,226)	-50%
Total		226,688	266,728	40,041	18%

Table 3.40: 2020 Actual vs 2019 Actual

2021 Bridge Forecast vs 2020 Actual

The forecast for 2021 Bridge Year is \$20,322 or 8% lower than 2020 Actual, primarily due to a lower forecast for late payment charge and interest income. Table 3.41 displays the details.

USoA #	USoA Description	2020 Actual	2021 Bridge Year	Variance	Variance
				•	<u> </u>
	Reporting Basis			\$	%
4235	Specific Service Charges	106,104	107,197	1,093	1%
4225	Late Payment Charges	69,107	60,000	(9,107)	-13%
4082	Retail Services Revenues	7,152	7,260	108	2%
4084	Service Transaction Requests	34	40	6	18%
4086	SSS Administration Revenue	21,748	21,000	(748)	-3%
4210	Rent from Electric Property	44,409	44,410	0	0%
4220	Rent from Electric Property	11,968	9,000	(2,968)	-25%
4355	Gain on Disposition	-	-	-	
4360	Loss on Disposition	(4,076)	(6,000)	(1,924)	47%
4375	Revenues from Non-Utility Operations	-	-	-	
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	10,282	3,500	(6,782)	-66%
Specific S	Service Charges	106,104	107,197	1,093	1%
Late Payr	ment Charges	69,107	60,000	(9,107)	-13%
Other Ope	erating Revenues	85,311	81,710	-3,602	-4%
Other Inc	ome or Deductions	6,207	(2,500)	(8,707)	-140%
Total		266,728	246,407	(20,322)	-8%

Table 3.41: 2021 Bridge vs 2020 Actual

2022 Test Forecast vs 2021 Bridge Forecast

The forecast for 2022 Test Year is \$38,789 or 16% lower than 2021 Bridge Year forecast for two reasons. The first one is Collection of Account Charge. The lost revenue for Collection of Account Charge has been recorded in 1508 lost revenue for account charge since the variance account was established in 2019, as mentioned in the discussion of 2019 V 2018. As the new distribution rates from this Application will reflect the discontinuation of Collection of Account Charge, there is no need for this 1508 variance account. Therefore the portion of Collection of Account Charge in Account 4235 will be null. Its forecast for 2021 Bridge is \$82,887.

Another factor is pole rental income. The increase in pole rental income over 2016 COS Board approved has been recorded in 1508 Pole Rental Revenue Variance since the variance account was created in 2018. However, pole rental revenue will be aligned with the new distribution rates through this COS application. Therefore the full pole rental revenue recorded in Account 4210 for 2022 will not be reduced by the variance account. In addition, an estimated inflation rate of 2.2% has been applied to the 2021 Bridge forecast for the 2022 Test Year forecast. As a

result, the pole rental revenue for 2022 Test Year forecast is \$44,493 higher than 2021 Bridge Year. Table 3.42 displays the details.

USoA #	USoA Description	2021 Bridge Year	2022 Test ear	Variance	Variance
	Reporting Basis			\$	%
4235	Specific Service Charges	107,197	23,875	(83,322)	-78%
4225	Late Payment Charges	60,000	60,000	-	0%
4082	Retail Services Revenues	7,260	9,300	2,040	28%
4084	Service Transaction Requests	40	40	-	0%
4086	SSS Administration Revenue	21,000	21,000	-	0%
4210	Rent from Electric Property	44,410	88,903	44,493	100%
4220	Rent from Electric Property	9,000	9,000	-	0%
4355	Gain on Disposition	-	-	-	
4360	Loss on Disposition	(6,000)	(8,000)	(2,000)	33%
4375	Revenues from Non-Utility Operations	- 1	-	-	
4380	Expenses of Non-Utility Operations	-	-	-	
4390	Miscellaneous Non-Operating Income	-	-	-	
4405	Interest and Dividend Income	3,500	3,500	-	0%
Specific S	Service Charges	107,197	23,875	(83,322)	-78%
Late Payı	ment Charges	60,000	60,000	-	0%
Other Op	erating Revenues	81,710	128,243	46,533	
Other Inc	ome or Deductions	(2,500)	(4,500)	(2,000)	80%
Total		246,407	207,618	(38,789)	-16%

Table 3.42: 2022 Test Forecast vs 2021 Bridge Forecast

Ex.3/Tab 3/Sch. 3 - Proposed Specific Service Charges

RSL is not proposing any changes to the current Specific Service Charges that have been approved by the OEB in previous applications, with the exception of "specific charge for access to power poles - \$/pole/year", known as wireline pole attachment charge.

RSL uses the provincial-wide **wireline pole attachment charge** as determined by the OEB and adjusted annually to account for inflation. The LDC acknowledges that for the wireline pole attachment charge, the OEB will issue a Decision and Rate Order declaring the annual inflation adjusted rate to be effective from January 1, 2022. In its' "Other Operating Revenue" projections for the Test Year 2022, RSL has used an estimated inflation rate of 2.2% above the Bridge Year (2021) that is embedded in Tab 3. 'Regulatory Charges" of the Tariff and Bill Impact Model.

RSL is proposing no change to its **microFIT Monthly Service Charge** - a non-provincial wide rate that was approved in the LDC's 2016 Cost of Service rate application (EB-2015-0100). RSL confirm that revenue related to microFIT charges has been recorded as a revenue offset in Account 4235 – Miscellaneous Service Revenue and not been included as part of the base distribution revenue requirement.

There are no classes or discrete customer groups that may be materially impacted by changes to other rates and charges.

Ex.3/Tab 3/Sch. 4 - Revenue from Affiliate Companies

RSL does not have any revenue from affiliate transactions, shared services, and corporate cost allocation.

Appendix

List of Appendices:

Appendix 3.1	Monthly Data Used for Regression Analysis
Appendix 3.2	Regression Scenarios Performed
Appendix 3.3	Appendix 2-IB Load Forecast Analysis

Appendix 3.1 - Monthly Data Used for Regression Analysis

Rideau St. Lawrence Distribution Inc. EB-2021-0056 Exhibit 3 – Operating Revenue Filed: December 1, 2021

Year	Month	IESO Purchases kWh	Adjustment for Microfit	Actual Purchases kWh		HDD	CDD	Number of Days in Month	Winter/Summer Flag	Number of Workdays in Month	Trend	August Flag
2011	Jan-11	12,132,585	1,799	12,134,384	_	888.7	-	31	1	20	1	-
2011 2011	Feb-11 Mar-11	10,866,454 11,067,608	1,033 2,402	10,867,487 11,070,010	_	731.6 634.6	-	28 31	1	19 23	2	-
2011	Apr-11	9,072,415	2,602	9,075,017		347.4	-	30	0		4	-
2011	May-11	8,656,277	2,828	8,659,105		142.8	16.7	31	0		5	-
2011	Jun-11	8,776,092	3,389	8,779,481		18.5	59.1	30	1	22	6	-
2011	Jul-11	9,998,192	3,782	10,001,974		0	137.5	31	1	-	7	-
2011	Aug-11	9,450,654	3,038	9,453,692		2.3	82.3	31	1		8	1
2011 2011	Sep-11 Oct-11	8,631,923	5,616 3,860	8,637,539 8,925,375	_	55.4 259.1	32.9 1.4	30 31	1		9 10	-
2011	Nov-11	8,921,515 9,478,715	2,771	9,481,486		392.9	-	30	0	-	10	-
2011	Dec-11	10,916,892	1,792	10,918,684		672.2	-	31	1		12	-
2012	Jan-12	11,698,538	1,495	11,700,033		831	-	31	1	-	13	-
2012	Feb-12	10,394,346	3,678	10,398,024		671.4	-	29	1	20	14	-
2012	Mar-12	9,868,346	5,711	9,874,057		460.3	-	31	1	22	15	-
2012	Apr-12	8,701,738	6,666	8,708,404		363.3	3.2	30	0	-	16	-
2012	May-12	8,473,818	8,514	8,482,332		102.4	21.0	31	0		17	-
2012	Jun-12	9,028,518	8,372	9,036,890		31.4	70.4	30	1	21	18	-
2012	Jul-12	9,776,500 9,430,200	8,141	9,784,641	_	0	142.2	31	1	21	19	- 1
2012	Aug-12 Sep-12	9,430,200 8,456,345	7,448 6,062	9,437,648 8,462,407		8.4 127.3	97.6 20.6	<u>31</u> 30	1	22 19	20 21	- 1
2012	Oct-12	8,663,345	3,812	8,667,157		259.9	- 20.0	30	0	-	21	
2012	Nov-12	9,765,918	3,380	9,769,298		541.7	-	30	0		22	-
2012	Dec-12	10,958,364	1,235	10,959,599		719.1	-	31	1	19	24	-
2013	Jan-13	11,999,817	1,814	12,001,631		839.9	-	31	1	22	25	-
2013	Feb-13	10,701,983	2,546	10,704,529		728.5	-	28	1	19	26	-
2013	Mar-13	10,574,475	4,962	10,579,437		612.9	-	31	1	20	27	-
2013	Apr-13	9,116,700	6,326	9,123,026	_	381.1	-	30	0		28	-
2013	May-13	8,204,917	8,173	8,213,090		121.2	15.3	31	0		29	-
2013	Jun-13	8,279,408	6,943	8,286,351		58.1	39.4	30	1	-	30	-
2013 2013	Jul-13	9,591,758 9,610,958	8,290 7,556	9,600,048		7.7 13.4	114.9 57.2	<u>31</u> 31	1	22 21	31 32	- 1
2013	Aug-13 Sep-13	9,610,956 8,187,217	6,244	9,618,514 8,193,461	_	13.4	10.1	30	1	20	33	
2013	Oct-13	8,725,825	4,461	8,730,286		265.2	0.7	30	0		33	-
2013	Nov-13	9,926,917	2,266	9,929,183	_	265.2	- 0.7	30	0		34	-
2013	Dec-13	11,614,675	864	11,615,539	ŀ	858.2	-	31	1	20	36	-
2014	Jan-14	12,521,267	1,826	12,523,093		918.3	-	31	1	22	37	-
2014	Feb-14	10,693,642	2,647	10,696,289		793.2	-	28	1	19	38	-
2014	Mar-14	11,270,883	5,510	11,276,393		783.6	-	31	1	21	39	-
2014	Apr-14	9,026,483	8,035	9,034,518		384.2	-	30	0		40	-
2014	May-14	8,278,885	9,577	8,288,462		127.3	8.8	31	0	21	41	-
2014	Jun-14	8,570,154	9,467	8,579,621		20.3	54.9	30	1	21	42	-
2014	Jul-14	9,070,654	9,127	9,079,781		8.8	62.8	31	1	22	43	-
2014	Aug-14	8,980,123	8,673	8,988,796		21.4	55.8	31	1	20	44	1
2014	Sep-14	8,455,877	7,439	8,463,316		110.3	21.6	30	1	21	45	-
2014	Oct-14	8,663,323	4,365	8,667,688		257.9	3.1	31	0		46	-
2014	Nov-14	9,594,308	2,388	9,596,696		510.6	-	30	0	-	47	-
2014	Dec-14	10,753,031	2,052	10,755,083	-	696.4	-	31	1		48	-
2015 2015	Jan-15 Feb-15	12,178,875 11,445,612	2,693 2,302	12,181,568 11,447,914	-+	968.2 957.8	-	31 28	1		49 50	-
2015	Mar-15	10,922,675	2,302	10,929,864	+	957.8 718.6	-	<u></u> 31	1		50	-
2015	Apr-15	8,724,747	8,877	8,733,624		352.6	-	30	0		52	-
2015	May-15	8,214,246	10,420	8,224,666		94.2	25.3	31	0		53	-
2015	Jun-15	8,082,238	9,244	8,091,482		45.2	20.3	30	1		54	-
2015	Jul-15	8,969,560	10,629	8,980,189		9.3	100.0	31	1		55	-
2015	Aug-15	8,928,793	9,115	8,937,908		5.6	67.4	31	1		56	1
2015	Sep-15	8,487,586	7,694	8,495,280	_	48.4	46.5	30	1		57	-
2015	Oct-15	8,442,808	5,620	8,448,428		337.3	-	31	0		58	-
2015	Nov-15	8,788,398	3,629	8,792,027	H	429 519.9	-	<u>30</u> 31	0		59	-
2015 2016	Dec-15 Jan-16	9,419,775 10,989,034	1,660 2,253	9,421,435 10,991,287		519.9 804.8	-	31	1		60 61	-
2016	Feb-16	10,969,034	2,233	10,463,596		756.3		29	1		62	
2016	Mar-16	9,905,017	6,599	9,911,616		591.4	-	31	1		63	-
2016	Apr-16	8,448,753	9,898	8,458,651		433.8	-	30	0		64	-
2016	May-16	7,971,052	10,642	7,981,694		145.4	28.7	31	0	21	65	-
2016	Jun-16	8,152,771	10,263	8,163,034		36.3	52.0	30	1		66	-
2016	Jul-16	9,080,665	10,379	9,091,044		3.4	112.6	31	1		67	-
2016	Aug-16	9,517,733	9,442	9,527,175		1.4	124.6	31	1		68	1
2016	Sep-16	8,054,076	8,262	8,062,338		75.1	24.9	30	1		69	-
2016	Oct-16	8,074,621	4,981	8,079,602		291.1	-	31	0		70	-
2016	Nov-16 Dec-16	8,792,790 10,206,407	3,468 1,769	8,796,258 10,208,176	ł	449.5 733.4	-	<u>30</u> 31	0		71 72	-
2010	000-10	10,200,407	1,709	10,200,170		135.4	-	51	1	20		-

Rideau St. Lawrence Distribution Inc. EB-2021-0056 Exhibit 3 – Operating Revenue Filed: December 1, 2021

Year	Month	IESO Purchases kWh	Adjustment for Microfit	Actual Purchases kWh	HDD	CDD	Number of Days in Month	Winter/Summer Flag	Number of Workdays in Month	Trend	August Flag
2017	Jan-17	10,464,420	2,425	10,466,845	 732.5	-	31	1	21	73	-
2017	Feb-17	9,412,266	3,267	9,415,533	 662.1	-	28	1	19	74	-
2017	Mar-17	10,449,490	6,309	10,455,799	731.7	-	31	1	23	75	-
2017	Apr-17	8,073,164	7,362	8,080,526	319.4	1.2	30	0	18	76	-
2017	May-17	7,836,699	7,740	7,844,439	 190.4	9.1	31	0		77	-
2017	Jun-17	7,883,609	8,370	7,891,979	52.1	45.0	30	1	22	78	-
2017	Jul-17	8,447,553	7,521	8,455,074	 4.8	63.8	31	1	20	79	-
2017	Aug-17	8,640,906	7,732	8,648,638	 26.9	51.0	31	1	22	80	1
2017	Sep-17	8,076,439	7,202	8,083,641	 69.8	52.0	30	1	20	81	-
2017	Oct-17	7,983,759	5,439	7,989,198 9,164,555	 197.3	0.4	31	0		82	-
2017	Nov-17 Dec-17	9,161,805 10,688,479	2,750 1,693	9,164,555	540.8 871.3	-	30 31	0	22 19	83 84	-
2017	Jan-18	11,412,898	1,093	11,414,673	881.5		31	1	22	85	-
2018	Feb-18	9,438,920	2,631	9,441,551	 644.6		28	1	19	86	
2018	Mar-18	9,778,013	5,363	9,783,376	 611.6	-	31	1	21	87	-
2018	Apr-18	8,757,348	6,637	8,763,985	 454.4	-	30	0		88	-
2018	May-18	7,670,323	10,087	7,680,410	110.4	15.7	31	0		89	-
2018	Jun-18	7,836,187	9,769	7,845,956	39	36.2	30	1	21	90	-
2018	Jul-18	9,698,694	11,027	9,709,721	0	156.9	31	1	21	91	-
2018	Aug-18	9,512,830	8,582	9,521,412	3.6	115.4	31	1	22	92	1
2018	Sep-18	8,248,876	7,700	8,256,576	96.8	49.5	30	1	19	93	-
2018	Oct-18	8,273,205	4,102	8,277,307	 359.1	0.7	31	0	22	94	-
2018	Nov-18	9,371,732	1,727	9,373,459	 599.5	-	30	0		95	-
2018	Dec-18	10,215,218	1,945	10,217,163	766.6	-	31	1	19	96	-
2019	Jan-19	11,356,602	1,769	11,358,371	 934.9	-	31	1	22	97	-
2019	Feb-19	9,954,781	3,395	9,958,176	 762.2	-	28	1	19	98	-
2019	Mar-19	10,085,138	7,474	10,092,612	 692.3	-	31	1	21 20	99	-
2019	Apr-19 Mov. 10	8,524,502	7,016	8,531,518	 398.8	-	30 31	0		100 101	-
2019 2019	May-19 Jun-19	7,801,649	7,751 9,236	7,809,400 7,774,207	 213.2 55.1	- 32.0	30	0	22	101	-
2019	Jul-19	9,557,985	9,230	9,568,434	 0	133.1	30	1	20	102	
2019	Aug-19	8,688,391	9,648	8,698,039	 6.3	54.8	31	1	21	103	- 1
2019	Sep-19	7,563,722	7,380	7,571,102	 104	9.1	30	1	20	104	-
2019	Oct-19	7,908,177	4,810	7,912,987	 286.8	-	31	0		106	-
2019	Nov-19	9,264,874	2,033	9,266,907	611	-	30	0	21	107	-
2019	Dec-19	10,207,018	1,576	10,208,594	717.2	-	31	1	20	108	-
2020	Jan-20	10,475,746	770	10,476,516	755.6	-	31	1	22	109	-
2020	Feb-20	9,817,627	1,630	9,819,257	725.9	-	29	1	19	110	-
2020	Mar-20	9,509,806	6,215	9,516,021	561.7	-	31	1	22	111	-
2020	Apr-20	8,024,763	7,686	8,032,449	407.8	-	30	0		112	-
2020	May-20	7,939,253	9,980	7,949,233	 200.15	25.7	31	0		113	-
2020	Jun-20	8,515,025	10,108	8,525,132	 44.7	70.4	30	1	22	114	-
2020	Jul-20	10,333,884	9,949	10,343,833	 0	185.8	31	1	22	115	-
2020	Aug-20	9,206,403	8,972	9,215,375	 25.5	70.4	31	1	20	116	1
2020	Sep-20	7,627,587	6,830	7,634,417	 138.5	9.0	30	1	21	117	-
2020	Oct-20	8,195,562	4,414	8,199,976	 327.4	-	31	0		118	-
2020	Nov-20	8,711,857	3,033	8,714,890	429.9	-	30 31	0	21 21	119 120	-
2020	Dec-20 Jan-21	10,055,028	1,633	10,056,661	673.1 855.5	-	31	1		120	-
2021	Feb-21			-	 800.0 743.4	-	28	1	19	121	-
2021	Mar-21			-	 639.9	-	31	1	23	122	-
2021	Apr-21			-	 384.3	0.4	30	0		123	-
2021	May-21			-	 144.7	16.6	31	0		124	-
2021	Jun-21			-	 40.1	48.0	30	1	22	126	-
2021	Jul-21			-	3.4	121.0	31	1	21	127	-
2021	Aug-21			-	11.5	77.7	31	1	21	128	1
2021	Sep-21			-	95.9	27.6	30	1	21	129	-
2021	Oct-21			-	284.1	0.6	31	0		130	-
2021	Nov-21			-	506.6	-	30	0		131	-
2021	Dec-21			-	722.7	-	31	1	21	132	-
2022	Jan-22			-	855.5	-	31	1	20	133	-
2022	Feb-22			-	743.4	-	28	1	19	134	-
2022	Mar-22			-	 639.9	-	31	1	23	135	-
2022	Apr-22			-	 384.3	0.4	30	0	-	136	-
2022	May-22			-	 144.7	16.6	31	0		137	-
2022	Jun-22			-	 40.1	48.0	30	1	22	138	-
2022	Jul-22			-	 3.4	121.0	31 31	1	20 22	139	- 1
2022 2022	Aug-22 Sep-22			-	 11.5 95.9	77.7 27.6	31	1	22	140 141	- 1
2022	Sep-22 Oct-22			-	 95.9 284.1	0.6	30	0		141	-
2022	Nov-22			-	506.6	-	30	0		142	-
2022	Dec-22			-	 722.7	-	31	1	20	143	-
					/		- ·		•		57 OF 66

Appendix 3.2 - Regression Scenarios Performed

SUMMARY OUTPUT								
Regression Statisti								
Multiple R R Square	0.979870437							
Adjusted R Square	0.957655203							
Standard Error	239469.2367							
Observations	120							
ANOVA								
	df	SS	MS		ignificance	F		
Regression Residual	7	1.54733E+14 6.4227E+12	2.2105E+13 5.7346E+10	385.4661	2.92E-75			
Total	119	1.61156E+14	0.10102110					
Intercept	Coefficients 72408288.7	Standard Error 5153341.713	t Stat 14.0507447	P-value 1.81E-26			ower 95.09 62197603	
HDD	4476.259466	110.8785824	40.3708216	1.42E-68			4256.568	4695.951
CDD	15871.44818	903.2367154	17.5717483	5.65E-34		17661.1	14081.8	17661.1
Number of Days in Month Winter/Summer Flag	149894.7469 338582.7385	31830.87449 57685.48226	4.70909924 5.86946187	7.18E-06 4.53E-08		212963.5 452879.1		
Number of Workdays in Month	55832.10152	23287.70813	2.39749233	0.018162				101973.7
August Flag	433140.2684	89195.27885	4.85608963	3.91E-06		609869.3		
Customer Count (R+C+I)	-12103.01431	867.3518596	-13.953984	2.96E-26	-13821.6	-10384.5	-13821.6	-10384.5
SUMMARY OUTPUT								
Regression Statisti								
Multiple R	0.985383169							
R Square Adjusted R Square	0.97097999 0.969166239							
Standard Error	204344.5001							
Observations	120							
ANOVA								
	df	SS	MS		ignificance	F		
Regression Residual	7	1.56479E+14 4.67675E+12		535.3437	5.78E-83			
Total	112	1.61156E+14						
	0 11 1 1	0. 1.15					05.00	
Intercept	Coefficients 6990331.733	Standard Error 805657.4824	t Stat 8.67655534	P-value 3.67E-14		Upper 95% 8586639	ower 95.09 5394025	8586639
HDD	4467.543905	94.58849083	47.2313689	8.67E-76		4654.959		4654.959
CDD	15776.92342	770.4912236	20.4764479	1.16E-39		17303.55	14250.29	17303.55
Number of Days in Month	150348.2227 345476.6921	27162.08835 49206.34487	5.53522324 7.02097856	2.07E-07 1.8E-10		204166.4		204166.4
Winter/Summer Flag Number of Workdays in Month	55449.25115	49206.34487	2.79038602	0.00619		94822.15		94822.15
August Flag	429120.2379	76109.13907	5.63822221	1.3E-07				579920.7
Ontario Real GDP	-49737.9954	2828.499101	-17.584589	5.32E-34	-55342.3	-44133.7	-55342.3	-44133.7
SUMMARY OUTPUT								
Regression Statisti								
Regression Statisti Multiple R	0.983720692							
Multiple R R Square	0.983720692							
Multiple R R Square Adjusted R Square	0.983720692 0.967706401 0.965378934							
Multiple R R Square Adjusted R Square Standard Error	0.983720692 0.967706401 0.965378934 216530.9198							
Multiple R R Square Adjusted R Square Standard Error Observations	0.983720692 0.967706401 0.965378934							
Multiple R R Square Adjusted R Square Standard Error Observations	0.983720692 0.967706401 0.965378934 216530.9198 120		10					
Multiple R R Square Adjusted R Square Standard Error Observations	0.983720692 0.967706401 0.965378934 216530.9198 120 df	SS 1.55952F+14	MS 1.9494F+13		ignificance	F		
Multiple R R Square Standard R Square Standard Error Observations ANOVA ANOVA Regression Residual	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111	1.55952E+14 5.20431E+12	1.9494E+13			F		
Wultiple R R Square Standard R Square Standard Error Diservations ANOVA Regression Regression Residual	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8	1.55952E+14	1.9494E+13			F		
Multiple R R Square Standard R Square Standard Error Observations ANOVA ANOVA Regression Residual	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error	1.9494E+13 4.6886E+10 t Stat	415.7767 P-value	5.18E-79 Lower 95%	Upper 95%	ower 95.09	
Multiple R R Square R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Total Intercept	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 8 111 119 <u>Coefficients</u> 441246.3145	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43	1.9494E+13 4.6886E+10 <i>t Stat</i> 0.02968017	415.7767 <i>P-value</i> 0.976375	5.18E-79 Lower 95% -2.9E+07	Upper 95% 29900610	-2.9E+07	29900610
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 44156.965708	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415	1.9494E+13 4.6886E+10 <u>t Stat</u> 0.02968017 44.4234411	415.7767 <i>P-value</i> 0.976375 1.59E-72	5.18E-79 Lower 95% -2.9E+07 4258.157	Upper 95% 29900610 4655.775	-2.9E+07 4258.157	29900610 4655.775
Multiple R Square Adjusted R Square Adjusted R Square Adjusted R Square Adjusted R Square Above Regression Regression Regression Intercept HDD CDD CDD	0.983720692 0.9657706401 0.965378934 216530.9198 120 df 8 8 111 119 <u>Coefficients</u> 441246.3145	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43	1.9494E+13 4.6886E+10 <i>t Stat</i> 0.02968017	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42	Upper 95% 29900610 4655.775 17395.03	-2.9E+07	29900610 4655.775 17395.03
Multiple R R Square R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD CDD Number of Days in Month Winter/Summer Flag	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 441246.3145 4456.965708 15776.22504 152483.6024 341459.8823	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2	-2.9E+07 4258.157 14157.42 95441.56 238095.5	29900610 4655.775 17395.03 209525.6 444824.2
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 441246.3145 441246.965708 15776.22504 152483.6024 341459.8823	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148	1.9494E+13 4.6886E+10 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78	29900610 4655.775 17395.03 209525.6 444824.2 97558.57
Multiple R R Square Adjusted R Square Adjusted R Square Observations Observations ANOVA Regression Residual Total Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 441246.3145 4456.965708 15776.22504 152483.6024 341459.8823	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2
Multiple R R Square Adjusted R Square Adjusted R Square Observations ANOVA Regression Re	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 4456.965708 15776.22504 152483.6024 341459.8823 55832.67608	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Adjusted R Square Observations ANOVA Regression Re	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 <u>Coefficients</u> 441246.3145 4456.965708 15776.22504 152483.6024 341459.8823 55832.67608 430357.3805	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I)	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 <u>Coefficients</u> 441246.3145 4456.965708 15776.22504 152483.6024 341459.8823 55832.67608 430357.3805	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regre	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.2504 15276.2504 15276.2504 236.7666641	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I) SUMMARY OUTPUT Regression Statisti	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.2504 15276.2504 15276.2504 236.7666641	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Multiple R	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 411246.3145 4456.965708 4456.965708 4456.965708 4456.965708 4456.965708 236.7666641 236.7666641 0.943853497 0.890859425	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Adjusted R Square Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Days in Month Winter/Summer Flag Sum Observer Sum Observer Regression Statisti Multiple R R Square Adjusted R Square	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 4456.965708 15776.22504 341459.8823 55832.67608 4331459.8823 55832.67608 9449.588569 236.7666641	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Wultiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total OD CDD Xumber of Days in Month Winter/Summer Flag Number of Workdays in Month Winter/Summer Flag Substomer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Vultiple R Square Sduard R Square Standard Error	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 411246.3145 4456.965708 4456.965708 4456.965708 4456.965708 4456.965708 236.7666641 236.7666641 0.943853497 0.890859425	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Uorkdays in Month August Flag Trend Customer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Multiple R R Square Adjusted R Square Standard Error Observations	0.98720692 0.967706401 0.965378934 216530.9198 120 df 8 111 111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.2504 15276.2504 236.7666641 236.7666641	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 <i>P-value</i> 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Uorkdays in Month August Flag Trend Customer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Multiple R R Square Adjusted R Square Standard Error Observations	0.98720692 0.967706401 0.965378934 216530.9198 120 df 8 111 111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.2504 15276.2504 236.7666641 236.7666641	1.55952E+14 5.20431E+12 1.61156E+14 Standard Error 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 19.3115777 5.29708311 6.54602326 2.65149922 5.33589467 -5.0976916	415.7767 	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Regression Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Multiple R R Square Adjusted R Square Standard Error Observations ANOVA ANOVA	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.22504 15276.22504 15276.2504 236.7666641 236.7666641 0.943853497 0.890859425 0.88506435 0.943853497 0.890859425 0.88506435 120 236.7666641 236.77666641 236.77666641 236.77666641 236.77767 236.77767 236.777777777777777777777777777777777777	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547 2544.538607	1.9494E+13 4.6886E+10 0.02968017 44.423411 19.311577 5.29708311 6.54602326 2.65149922 2.53589467 -5.0976916 0.09304896	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.099186 5.08E-07 1.43E-06 0.926032 F	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 238095.5 -13122.8 -4805.41	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I) Regression Statisti Multiple R R Square Standard Error Observations ANOVA Regression Residual	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 4456.965708 441246.3145 4456.965708 441243.4024 15278.22504 15278.22504 15278.22504 15278.22504 15278.22504 15283.6278 0.943853497 0.890859425 0.88506435 394527.3195 0.88506435 394527.3195 0.88506435 394527.3195 0.88506435 394527.3195 0.890859425 0.88506435 394527.3195 120 6 6 113	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 1.4066702.43 100.3291415 816.9309242 28786.33776 52162.94971 21057.02148 80653.27502 1853.699547 2544.538607 1853.699547 2544.538607	1.9494E+13 4.6886E+10 0.02968017 44.423411 19.311577 5.29708311 6.54602326 2.65149922 2.53589467 -5.0976916 0.09304896	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.099186 5.08E-07 1.43E-06 0.926032 F	5.18E-79 -2.9E+07 4258.157 14157.42 95411.56 238095.5 14106.78 -4805.41 (gnificance	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Wultiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept HDD DD DD Vumber of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend SUMMARY OUTPUT Regression Statisti Multiple R R Square Standard Error Observations ANOVA Regression Residual	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.22504 15276.22504 15276.2504 236.7666641 236.7666641 0.943853497 0.890859425 0.88506435 0.943853497 0.890859425 0.88506435 120 236.7666641 236.77666641 236.77666641 236.77666641 236.77767 236.77767 236.777777777777777777777777777777777777	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 14866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1853.699547 2544.538607	1.9494E+13 4.6886E+10 0.02968017 44.423411 19.311577 5.29708311 6.54602326 2.65149922 2.53589467 -5.0976916 0.09304896	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.099186 5.08E-07 1.43E-06 0.926032 F	5.18E-79 -2.9E+07 4258.157 14157.42 95411.56 238095.5 14106.78 -4805.41 (gnificance	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94	-2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36
Multiple R R Square Adjusted R Square Adjusted R Square Adjusted R Square Cobservations Cobservations ANOVA Regression Residual Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Days in Month Winter/Summer Flag SumMARY OUTPUT Regression Statisti Multiple R R Square Adjusted R Square Cobservations ANOVA Regression Regression Residual Total	0.983720692 0.967706401 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15243.6024 341459.8823 55832.67608 430357.3805 -9449.588569 236.7666641 0.890859425 0.880859425 0.8806435 394527.3195 120 df 6 113 119 Coefficients	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 1.466702.43 100.3291415 816.9309242 28786.33760 52162.94971 12057.02148 80653.27500 1853.699547 2544.538607 2544.538607 SS 1.43567E+14 1.75887E+13 1.61156E+14 Standard Error	1.9494E+13 4.6886E+10 <i>I Stat</i> 0.02968017 44.4234411 9.311577 5.29708311 6.54602326 2.65149922 5.33589467 5.0376916 0.09304896 0.09304896 2.3920E+13 1.5565E+11 <i>I Stat</i>	415.7767 P-value 0.976375 1.59E-72 2.78E-37 1.9E-09 0.09186 5.08E-07 1.9E-09 0.09186 0.926032 F F 153.727 P-value	5.18E-79 -2.9E+07 4258.157 14157.42 95411.56 238095.5 14106.78 -13122.8 -4805.41 ignificance 5.94E-52 Lower 95%	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94	-2.9E+07 4258.157 4157.42 9541.56 238095.5 14106.78 270537.5 -13122.8 -4805.41	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 5776.36 5278.94
Wutiple R R Square Adjusted R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept DD CDD Xumber of Workdays in Month Winter/Summer Flag Number of Workdays in Month Winter/Summer Flag Statomer Count (R+C+I) SUMMARY OUTPUT Regression Statisti Multiple R Sandard Error Dbservations ANOVA Regression Residual Total	0.98720692 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15276.22504 15276.22504 15276.22504 15276.22504 15276.22504 236.7666641 236.7666641 0.943853497 0.890859425 0.88506435 394527.3195 120 df 6 113 119 Coefficients 1533922.313	1.55962E+14 5.20431E+12 1.61156E+14 1.61156E+14 1.86156E+14 1.866702.43 100.3291415 816.9309242 28786.33376 52162.94971 21057.02148 80653.27502 1.853.699547 2544.538607 1.853.699547 2544.538607 1.853.699547 2.544.538607 1.853.67E+14 1.75887E+13 1.61156E+14 1.61156E+14 1.61156E+14 1.61156E+14 1.61156E+14 1.61156E+14	1.9494E+13 4.6886E+10 1.5tat 0.02968017 44.423411 19.311577 5.29708311 6.5460232 2.65149922 2.65149922 2.65149922 2.65149922 2.65149922 2.65149922 2.65149922 2.65149922 2.65149922 1.05304896 1.05304896 1.5565E+11 1.5565E+11 1.5565E+11 1.06857453	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06 0.926032 F 1.53.727 P-value 0.287539	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95411.56 238095.5 14106.78 270537.5 -13122.8 -4805.41 ignificance 5.94E-52 Lower 95% -1310032	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97588.57 590177.2 590177.2 590177.2 590177.2 590177.2 590177.2 5776.36 5278.94	-2.9E+07 -2.9E+07 4258.157 14157.42 95411.56 238095.5 14106.78 270537.5 -13122.8 -4805.41 -4805.41 -00000 -1310032	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 5278.94
Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I)	0.983720692 0.967706401 0.967706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 15243.6024 341459.8823 55832.67608 430357.3805 -9449.588569 236.7666641 0.890859425 0.880859425 0.8806435 394527.3195 120 df 6 113 119 Coefficients	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 1.466702.43 100.3291415 816.9309242 28786.33760 52162.94971 12057.02148 80653.27500 1853.699547 2544.538607 2544.538607 SS 1.43567E+14 1.75887E+13 1.61156E+14 Standard Error	1.9494E+13 4.6886E+10 <i>I Stat</i> 0.02968017 44.4234411 9.311577 5.29708311 6.54602326 2.65149922 5.33589467 5.0376916 0.09304896 0.09304896 2.3920E+13 1.5565E+11 <i>I Stat</i>	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06 0.926032 F 1.53.727 P-value 0.287539	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8 -4805.41 (gnificance 5.94E-52 Lower 95% -1310032 4053.818	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97588.57 590177.2 590177.2 590177.2 590177.2 590177.2 590177.2 5776.36 5278.94	-2.9E+07 -2.9E+07 4258.157 14157.42 95441.56 238095.5 14106.78 270537.5 -13122.8 -4805.41 	29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 5278.94
Multiple R R Square Adjusted R Square Adjusted R Square Standard Error Observations ANOVA Regression Regression Residual Total Intercept HDD CDD Number of Days in Month Winter/Summer Flag Number of Workdays in Month August Flag Trend Customer Count (R+C+I) Regression Statisti Multiple R R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept HDD CDD CDD CDD CDD CDD CDD CDD CDD CDD	0.983720692 0.967706401 0.965378934 216530.9198 120 df 8 111 119 Coefficients 441246.3145 4456.965708 15776.22504 152483.6024 4456.965708 15776.22504 152483.6024 4459.865708 236.7666641 236.7666641 0.943853497 0.890859425 0.88506435 120 df 6 113 119 Coefficients 145245.812 4415.447077 1533922.313 4415.447077 1533922.313 4415.447077	1.55952E+14 5.20431E+12 1.61156E+14 1.61156E+14 1.86150E+14 1.861630.2243 100.3291415 816.3309242 28786.33376 52162.24971 21057.02148 80653.27500 1853.699547 2544.538607 1853.699547 2544.538607 1853.699547 2544.538607 1853.699547 1853.639547 1853.639547 1853.639547 14356484.627 14355484.627 182.5321178 1436.921437 182.5321178	1.9494E+13 4.6886E+10 1.5tat 0.02968017 44.4234411 19.311577 5.29708311 6.54602326 2.65149922 5.3589467 5.0976916 0.09304896 0.09304896 1.09304896 1.09304896 1.06857453 2.41899734 1.06857453 2.41899734 1.0383065 2.78883158	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.43E-06 0.926032 F 1.43E-06 0.926032 F F 1.53.727 P-value 0.287539 1.69E-46 4.93E-18 0.0062209 0.0062209	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95411.56 228095.5 14106.78 -28095.5 14106.78 -4805.41 (gnificance 5.94E-52 Lower 95% -131032 42353.09	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 97558.57 590177.2 -5776.36 5278.94 -5776.36 5278.94 	-2.9E+07 4258.157 4258.157 95441.56 238095.5 14106.78 2705375 -13122.8 -4805.41 -13122.8 -4805.41 -131032 4805.41 -131032 4053.818 12426.39	29900610 4655.775 47395.03 209525.6 444824.2 97588.67 590177.2 -5776.36 5278.94 -5776.36 5278.94 -5776.76 4377876 4377876 4377876 4377877 18318.11 250138.6
Wutiple R R Square Adjusted R Square Adjusted R Square Standard Error Observations ANOVA Regression Residual Total Intercept HDD CDD Number of Workdays in Month Winter/Summer Flag Number of Workdays in Month Winter/Summer Flag SUMMARY OUTPUT Regression Statisti Adjusted R Square Standard Error Dbsquare ANOVA Regression Residual Total	0.983720692 0.967706401 0.965706401 0.965378934 216530.9198 120 df 8 1111 119 Coefficients 441246.3145 4456.965708 15776.22504 152483.6024 341459.862508 15278.2504 430357.3805 -9449.588569 236.7666641 152483.6024 394527.3195 120 df 6 6 113 119 Coefficients 15372.24956	1.55952E+14 5.20431E+12 5.20431E+12 5.20431E+12 5.20431E+14 5.20431E+12 5.204274 5.204274 8.0650243 100.3291415 5.2162.94971 2.057.02148 8.0653.27502 1.853.699547 2.544.538607 1.533.699547 2.544.538607 5.544.538607 1.43567E+14 1.75887E+13 1.61155E+14 5.5321178 1.6125E+14 5.5321178 1.485484.627 1.425321178 1.485484.627 1.4854844.627 1.48548444844847 1.485484448448484848484848484848484848484	1.9494E+13 4.6886E+10 t Stat 0.02968017 44.4234411 9.3115777 5.29708311 6.5480232 2.65149922 2.65149922 5.33589467 0.03304896 0.03304896 0.03304896 2.3928E+13 1.5566E+11 1.056657453 2.4.189974 1.0.3883065	415.7767 P-value 0.976375 1.59E-72 2.78E-37 6.02E-07 1.9E-09 0.009186 5.08E-07 1.9E-09 0.0926032 F 1.43E-06 0.926032 P-value 0.287539 1.69E-46 4.93E-18 0.000164 4.93E-18 0.000164	5.18E-79 Lower 95% -2.9E+07 4258.157 14157.42 95411.56 228095.5 14106.78 -28095.5 14106.78 -4805.41 (gnificance 5.94E-52 Lower 95% -131032 42353.09	Upper 95% 29900610 4655.775 17395.03 209525.6 444824.2 550177.2 550177.2 550177.2 50177.2 50177.2 50177.2 50177.2 50177.2 6 43777876 43777876 43777.076	-2.9E+07 4258.157 4258.157 95441.56 238095.5 14106.78 2705375 -13122.8 -4805.41 -13122.8 -4805.41 -131032 4805.41 -131032 4053.818 12426.39	29900610 4655.775 17395.03 209525.6 444824.2 97588.67 590177.2 -5776.36 5278.94

Rideau St. Lawrence Distribution Inc. EB-2021-0056 Exhibit 3 – Operating Revenue Filed: December 1, 2021

Appendix 3.3 - Appendix 2-IB Load Forecast Analysis

Appendix 2-IB Customer, Connections, Load Forecast and Revenues Data and Analysis

This sheet is to be filled in accordance with the instructions documented in section 2.3.2 of Chapter 2 of the Filing Requirements for Distribution Rate Applications, in terms of one set of tables per customer class.

Color	coding	for	Cells:
-------	--------	-----	--------

Data input
No data entry required

Drop-down List

Blank or calculated value

Distribution System (Total)

	Calendar Year			Consumption (I	(Wh) ⁽³⁾	
	(for 2022 Cost of Service		Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016	Actual	101,711,018.28	103,645,080.82	OEB-approved	
Historical	2017	Actual	98,838,309.30	101,675,800.04		
Historical	2018	Actual	101,848,630.36	100,645,711.79		
Historical	2019	Actual	100,219,092.00	99,202,493.02		
Historical	2020	Actual	99,512,150.00	97,707,592.03		
Bridge Year	2021	Forecast		96,816,967.58		
Test Year	2022	Forecast		95,531,363.82		

Variance Analysis	Year	Year-ov	ver-year	Versus OEE approved
	2016			
	2017	-2.8%	-1.9%	
	2018	3.0%	-1.0%	
	2019	-1.6%	-1.4%	
	2020	-0.7%	-1.5%	
	2021		-0.9%	
	2022		-1.3%	
	Geometric Mean	-0.7%	-1.6%	

Customer Class Analysis (one for each Customer Class, excluding MicroFIT and Standby)

Customer Class:	Residential					Is the cust	omer class billed	on consumption	(kWh) or demand	(kW or kVA)?	kWh]		
	Calendar Year		Cu	ustomers				Consumption (kWh) ⁽³⁾		Consumption (kWh) per Customer			
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2016	Actual	5,071	OEB-approved		Actual	40,480,043.33	41,459,183.58	OEB-approved		Actual	7,982.65	8,175.74 OEB-	-approved
Historical	2017	Actual	5,089			Actual	39,379,535.36	40,816,523.81			Actual	7,738.17	8,020.54	
Historical	2018	Actual	5,105			Actual	42,538,788.82	41,907,612.07			Actual	8,332.77	8,209.13	
Historical	2019	Actual	5,113			Actual	42,182,601.00	41,645,385.82			Actual	8,250.07	8,145.00	
Historical	2020	Actual	5,107			Actual	43,593,897.00	42,606,035.39			Actual	8,536.11	8,342.67	
Bridge Year	2021	Forecast	5,118			Forecast		43,191,009.09			Forecast	0.00	8,439.04	
Test Year	2022	Forecast	5,129			Forecast		43,536,196.04			Forecast	0.00	8,488.24	
Variance Analysis					Test Year					Test Year				Test Year
	Year		Year-over-year		Versus OEB- approved	Year	Year-o	ver-year		Versus OEB- approved	Year	Year-ov	er-year	Versus OEB- approved
	2016					2016					2016			
	2017		0.4%			2017	-2.7%	-1.6%			2017	-3.1%	-1.9%	
	2018		0.3%			2018	8.0%	2.7%			2018	7.7%	2.4%	
	2019		0.2%			2019	-0.8%	-0.6%			2019	-1.0%	-0.8%	
	2020		-0.1%			2020	3.3%	2.3%			2020	3.5%	2.4%	
	2021		0.2%			2021	1	1.4%			2021		1.2%	
	2022		0.2%			2022		0.8%			2022		0.6%	
	Geometric Mean		0.2%			Geometric Mean	2.5%	1.0%			Geometric Mean	2.3%	0.8%	

	Calendar Year (for 2022 Cost of Service			R	evenues	
Historical	2016	1	Actual	\$ 1,412,658	OEB-approved	
Historical	2017		Actual	\$ 1,500,818		
Historical	2018		Actual	\$ 1,609,148		
Historical	2019		Actual	\$ 1,623,109		
Historical	2020		Actual	\$ 1,634,619		
Bridge Year (Foreca	2021		Forecast	\$ 1,633,051		
Test Year (Forecast	2022		Forecast	\$ 2,102,195		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB- approved
	2016		
	2017	6.2%	
	2018	7.2%	
	2019	0.9%	
	2020	0.7%	
	2021	-0.1%	
	2022	28.7%	
	Geometric Mean	8.3%	

	Calendar Year		Cı	stomers				Consumption (kWh) ⁽³⁾			Consump	otion (kWh) per Customer	
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2016	Actual	740	OEB-approved		Actual	20,348,622.96	20,840,819.95	OEB-approved		Actual	27,498.14	28,163.27 OEB-approve	d
Historical	2017	Actual	741			Actual	19,816,422.94	20,539,538.91			Actual	26,742.81	27,718.68	
Historical	2018	Actual	739			Actual	20,252,448.66	19,951,949.40			Actual	27,405.21	26,998.58	
Historical	2019	Actual	735			Actual	19,700,297.00	19,449,404.49			Actual	26,803.13	26,461.77	
Historical	2020	Actual	731			Actual	18,533,558.00	18,113,577.41			Actual	25,353.70	24,779.18	
Bridge Year	2021	Forecast	729			Forecast		17,747,657.26			Forecast	0.00	24,345.21	
Test Year	2022	Forecast	727			Forecast		17,290,656.16			Forecast	0.00	23,783.57	
	1		Year-over-year			-	1				-	r		
Variance Analysis	Year		Year-over-year		Test Year Versus OEB- approved	Year	Year-ov	er-year		Test Year Versus OEB- approved	Year	Year-ov	er-year	Test Year Versus OEE approved
Variance Analysis	Year 2016		Year-over-year		Versus OEB-	Year 2016	Year-ov	er-year		Versus OEB-	Year 2016	Year-ov	er-year	Versus OEE
/ariance Analysis			Year-over-year		Versus OEB-		Year-ov -2.6%	er-year -1.4%		Versus OEB-		Year-ov	er-year -1.6%	Versus OEE
/ariance Analysis	2016				Versus OEB-	2016				Versus OEB-	2016			Versus OEE
/ariance Analysis	2016 2017		0.1%		Versus OEB-	2016 2017	-2.6%	-1.4%		Versus OEB-	2016 2017	-2.7%	-1.6% -2.6%	Versus OEE
/ariance Analysis	2016 2017 2018		0.1% -0.3%		Versus OEB-	2016 2017 2018	-2.6% 2.2%	-1.4% -2.9%		Versus OEB-	2016 2017 2018	-2.7% 2.5%	-1.6% -2.6%	Versus OE
/ariance Analysis	2016 2017 2018 2019		0.1% -0.3% -0.5%		Versus OEB-	2016 2017 2018 2019	-2.6% 2.2% -2.7%	-1.4% -2.9% -2.5%		Versus OEB-	2016 2017 2018 2019	-2.7% 2.5% -2.2%	-1.6% -2.6% -2.0%	Versus OE
ariance Analysis	2016 2017 2018 2019 2020		0.1% -0.3% -0.5% -0.5%		Versus OEB-	2016 2017 2018 2019 2020	-2.6% 2.2% -2.7%	-1.4% -2.9% -2.5% -6.9%		Versus OEB-	2016 2017 2018 2019 2020	-2.7% 2.5% -2.2%	-1.6% -2.6% -2.0% -6.4%	Versus OE

....

	Calendar Year (for 2022 Cost of Service		Re	evenues	
Historical	2016	Actual	\$ 466,732	OEB-approved	
Historical	2017	Actual	\$ 495,355		
Historical	2018	Actual	\$ 503,343		
Historical	2019	Actual	\$ 531,693		
Historical	2020	Actual	\$ 506,733		
Bridge Year (Foreca	2021	Forecast	\$ 488,346		
Test Year (Forecast	2022	Forecast	\$ 497,133		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB- approved
	2016		
	2017	6.1%	
	2018	1.6%	
	2019	5.6%	
	2020	-4.7%	
	2021	-3.6%	
	2022	1.8%	
	Geometric Mean	1.3%	

	Calendar Year		Ci	ustomers				Consumption (kWh) ⁽³⁾				tion (kWh) per Cus	stomer
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2016	Actual	64	OEB-approved		Actual	39,456,019.00	39,918,744.30	OEB-approved		Actual	616,500.30	623,730.38 OEB-a	approved
Historical	2017	Actual	63			Actual	38,286,678.00	38,964,064.32			Actual	607,725.05	618,477.21	
Historical	2018	Actual	65			Actual	37,703,866.30	37,432,623.76			Actual	580,059.48	575,886.52	
Historical	2019	Actual	62			Actual	37,004,001.00	36,775,509.71			Actual	596,838.73	593,153.38	
Historical	2020	Actual	61			Actual	36,107,964.00	35,711,248.23			Actual	591,933.84	585,430.30	
Bridge Year	2021	Forecast	60			Forecast		34,605,282.26			Forecast	0.00	576,754.70	
Test Year	2022	Forecast	59			Forecast		33,433,327.13			Forecast	0.00	566,666.56	
Variance Analysis					Test Year					Test Year				Test Year
Variance Analysis	Year		Year-over-year		Test Year Versus OEB-	Year	Year-o	ver-year		Test Year Versus OEB-	Year	Year-ov	er-year	Test Year Versus OEB
Variance Analysis	Year		Year-over-year				Year-o	ver-year				Year-ov	er-year	
Variance Analysis	Year 2016				Versus OEB-	2016		•		Versus OEB-	2016			Versus OEB
Variance Analysis	Year 2016 2017		-1.6%		Versus OEB-	2016 2017	Year-or -3.0%	-2.4%		Versus OEB-		Year-ov -1.4%	-0.8%	Versus OEB
Variance Analysis	Year 2016 2017 2018		-1.6% 3.2%		Versus OEB-	2016 2017 2018	-3.0% -1.5%	-2.4% -3.9%		Versus OEB-	2016 2017 2018	-1.4% -4.6%	-0.8% -6.9%	Versus OEB
Variance Analysis	Year 2016 2017		-1.6%		Versus OEB-	2016 2017	-3.0%	-2.4%		Versus OEB-	2016 2017	-1.4%	-0.8%	Versus OEE
Variance Analysis	Year 2016 2017 2018		-1.6% 3.2%		Versus OEB-	2016 2017 2018	-3.0% -1.5%	-2.4% -3.9%		Versus OEB-	2016 2017 2018	-1.4% -4.6%	-0.8% -6.9%	Versus OEE
Variance Analysis	Year 2016 2017 2018 2019		-1.6% 3.2% -4.6%		Versus OEB-	2016 2017 2018 2019	-3.0% -1.5% -1.9%	-2.4% -3.9% -1.8%		Versus OEB-	2016 2017 2018 2019	-1.4% -4.6% 2.9%	-0.8% -6.9% 3.0%	Versus OEE
Variance Analysis	Year 2016 2017 2018 2019 2020		-1.6% 3.2% -4.6% -1.6%		Versus OEB-	2016 2017 2018 2019 2020	-3.0% -1.5% -1.9%	-2.4% -3.9% -1.8% -2.9%		Versus OEB-	2016 2017 2018 2019 2020	-1.4% -4.6% 2.9%	-0.8% -6.9% 3.0% -1.3%	Versus OE

	Calendar Year			Re	evenues				Demand (W)			Dema	nd (kW) per (Customer	
	(for 2022 Cost of Service		ctual \$ 419.957 OEB-approved				Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized		Weather- normalized	
Historical	2016	Actual	\$	419,957	OEB-approved		Actual	115,476.90	116,831	OEB-approved		Actual	1804.33	1825.49	OEB-approved	
Historical	2017	Actual	\$	425,839			Actual	111,704.20	113,681			Actual	1773.08	1804.45		
Historical	2018	Actual	\$	456,243			Actual	112,493.40	111,684			Actual	1730.67	1718.22		
Historical	2019	Actual	\$	460,313			Actual	109,763.60	109,086			Actual	1770.38	1759.45		
Historical	2020	Actual	\$	454,448			Actual	109,147.00	107,948			Actual	1789.30	1769.64		
Bridge Year (Foreca	2021	Forecast	\$	436,424			Forecast		102,549			Forecast	0	1709.15		
Test Year (Forecast	2022	Forecast	\$	416,354			Forecast		99,076			Forecast	0	1679.26		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB- approved	Year	Year-o	ver-year	Test Year Versus OE approved	- Year	Year-over	-year	Test Year Versus OEB- approved
	2016			2016				2016			
	2017	1.4%		2017	-3.3%	-2.7%		2017	-1.7%	-1.2%	
	2018	7.1%		2018	0.7%	-1.8%		2018	-2.4%	-4.8%	
	2019	0.9%		2019	-2.4%	-2.3%		2019	2.3%	2.4%	
	2020	-1.3%		2020	-0.6%	-1.0%		2020	1.1%	0.6%	
	2021	-4.0%		2021		-5.0%		2021		-3.4%	
	2022	-4.6%		2022		-3.4%		2022		-1.7%	
	Geometric Mean	-0.2%		Geometric Mean	-1.9%	-3.2%		Geometric Mean	-0.3%	-1.7%	

Customer Class:	Street Lights					Is the cust	omer class billed	on consumption	(kWh) or demand	(kW or kVA)?	kW			
	Calendar Year		Cı	ustomers				Consumption	(kWh) ⁽³⁾			Consum	ption (kWh) per Custon	ner
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather- normalized
Historical	2016	Actual	1,711	OEB-approved		Actual	773,158.00	773,158.00	OEB-approved		Actual	451.87	451.87 OEB-appr	oved
Historical	2017	Actual	1,711			Actual	716,670.00	716,670.00			Actual	418.86	418.86	
Historical	2018	Actual	1,711			Actual	714,488.57	714,488.57			Actual	417.59	417.59	
Historical	2019	Actual	1,711			Actual	691,963.00	691,963.00			Actual	404.42		
Historical	2020	Actual	1,712			Actual	644,755.00	644,755.00			Actual	376.61	376.61	
Bridge Year	2021	Forecast	1,712			Forecast		642,913.64			Forecast	0.00	375.53	
Test Year	2022	Forecast	1,712			Forecast		642,913.64			Forecast	0.00	375.53	
Variance Analysis					Test Year					Test Year				Test Year
	Year		Year-over-year		Versus OEB- approved	Year	Year-o	ver-year		Versus OEB- approved	Year	Year-ov	ver-year	Versus OEB- approved
	2016					2016					2016			
	2017		0.0%	-		2017	-7.3%	-7.3%	-		2017	-7.3%	-7.3%	
	2018		0.0%			2018	-0.3%	-0.3%			2018	-0.3%	-0.3%	
	2019		0.0%			2019	-3.2%	-3.2%			2019	-3.2%	-3.2%	
	2020		0.1%			2020	-6.8%	-6.8%			2020	-6.9%	-6.9%	
	2021		0.0%			2021		-0.3%			2021	1	-0.3%	
	2022		0.0%			2022		0.0%			2022		0.0%	
	Geometric Mean		0.0%			Geometric Mean	-5.9%	-3.6%			Geometric Mean	-5.9%	-3.6%	

	Calendar Year			R	evenues				Demand (I	w)			Dema	and (kW) per	Customer	
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized		Weather- normalized	
Historical	2016	Actual	\$	98,403	OEB-approved		Actual	2070.32	2,070	OEB-approved		Actual	1.21	1.21	OEB-approved	
Historical	2017	Actual	\$	127,247			Actual	1944.62	1,945			Actual	1.14	1.14		
Historical	2018	Actual	\$	101,590			Actual	1938.5	1,939			Actual	1.13	1.13		
Historical	2019	Actual	\$	97,216			Actual	1886.9	1,887			Actual	1.10	1.10		
Historical	2020	Actual	\$	99,153			Actual	1743.9	1,744			Actual	1.02	1.02		
Bridge Year (Forec	2021	Forecast	\$	96,242			Forecast		1,744			Forecast	C	1.02		
Test Year (Forecas	2022	Forecast	\$	109,617			Forecast		1,744			Forecast	0	1.02		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB-	Year	Year-ov	/er-year	Test Year Versus OEB	Year	Year-over-	year	Test Year Versus OEB-
			approved			-	approved			-	approved
	2016			2016				 2016			
	2017	29.3%		2017	-6.1%	-6.1%		2017	-6.1%	-6.1%	
	2018	-20.2%		2018	-0.3%	-0.3%		2018	-0.3%	-0.3%	
	2019	-4.3%		2019	-2.7%	-2.7%		2019	-2.7%	-2.7%	
	2020	2.0%		2020	-7.6%	-7.6%		2020	-7.6%	-7.6%	
	2021	-2.9%		2021		0.0%		2021		0.0%	
	2022	13.9%		2022		0.0%		 2022		0.0%	
	Geometric Mean	2.2%		Geometric Mean	-5.6%	-3.4%		eometric Mean	-5.6%	-3.4%	

Customer Class:	Sentinel Lights						Is the	e custo	mer class billed	on consumption	(kWh) or demand	(kW or kVA)?	kW			
r	Calendar Year			Cu	stomers					Consumption (kWh) ⁽³⁾			Consum	otion (kWh) per Cust	omer
	(for 2022 Cost of Service								Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized	Weather normalize
Historical	2016	Actu	al	73	OEB-approved		Ac	tual	106,791.00	106,791.00	OEB-approved		Actual	1,462.89	1,462.89 OEB-ap	proved
listorical	2017	Actu	al	71			Ac	tual	99,906.00	99,906.00			Actual	1,407.13	1,407.13	
Historical	2018	Actu	al	72			Ac	tual	97,401.00	97,401.00			Actual	1,352.79	1,352.79	
Historical	2019	Actu	al	74			Ac	tual	98,084.00	98,084.00			Actual	1,325.46	1,325.46	
listorical	2020	Actu	al	73			Ac	tual	96,660.00	96,660.00			Actual	1,324.11	1,324.11	
Bridge Year	2021	Forec	ast	73			Fore	ecast		94,789.32			Forecast	0.00	1,298.48	
Test Year	2022	Forec	ast	73			For	ecast		92,954.85			Forecast	0.00	1,273.35	
Variance Analysis	1					Test Year						Test Year				Test Yea
	Year		Year-o	over-year		Versus OEB- approved	Ye	ear	Year-ov	ver-year		Versus OEB- approved	Year	Year-ov	er-year	Versus OE approve
	2016						20	016					2016			
	2017		-2	2.7%			20	017	-6.4%	-6.4%	-		2017	-3.8%	-3.8%	
	2018		1.	.4%			20	018	-2.5%	-2.5%			2018	-3.9%	-3.9%	
	2019		2.	2.8%			20	019	0.7%	0.7%			2019	-2.0%	-2.0%	
	2020		-1	1.4%			20	020	-1.5%	-1.5%			2020	-0.1%	-0.1%	
	2021		0.	0.0%			20	021		-1.9%			2021		-1.9%	
	2022		0.	0.0%			20	022		-1.9%			2022	1	-1.9%	
	Geometric Mean		0.	0.0%				metric ean	-3.3%	-2.7%			Geometric Mean	-3.3%	-2.7%	

	Calendar Year			Re	evenues				Demand (k	W)			Dema	nd (kW) per (Customer	
	(for 2022 Cost of Service		atial 6 6474 OEB approved					Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016	Actual	\$	6,474	OEB-approved		Actual	302	302	OEB-approved		Actual	4.14	4.14	OEB-approved	
Historical	2017	Actual	\$	7,064			Actual	275.7	276			Actual	3.88	3.88		
Historical	2018	Actual	\$	7,499			Actual	270.2	270			Actual	3.75	3.75		1
Historical	2019	Actual	\$	7,970			Actual	272.4	272			Actual	3.68	3.68		
Historical	2020	Actual	\$	7,969			Actual	268.5	269			Actual	3.68	3.68		
Bridge Year (Foreca	2021	Forecast	\$	7,898			Forecast		263			Forecast	0	3.61		
Test Year (Forecast	2022	Forecast	\$	10,077			Forecast		258			Forecast	0	3.54		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB- approved	Year	Year-o	ver-year	Test Yea Versus OE approved	B- Year	Year-ove	er-year	Test Year Versus OEB- approved
	2016			2016				2016			
	2017	9.1%		2017	-8.7%	-8.7%		2017	-6.1%	-6.1%	
	2018	6.2%		2018	-2.0%	-2.0%		2018	-3.4%	-3.4%	
	2019	6.3%		2019	0.8%	0.8%		2019	-1.9%	-1.9%	
	2020	0.0%		2020	-1.4%	-1.4%		2020	-0.1%	-0.1%	
	2021	-0.9%		2021		-1.9%		2021		-1.9%	
	2022	27.6%		2022		-1.9%		2022		-1.9%	
	Geometric Mean	9.3%		Geometric Mean	-3.8%	-3.1%		Geometric Mean	-3.8%	-3.1%	

	Calendar Year	ar Year Customers			Consumption (kWh) ⁽³⁾					Consumption (kWh) per Customer					
	(for 2022 Cost of Service						Actual (Weather actual)	Weather- normalized		Weather- normalized		Actual (Weather actual)	Weather- normalized		Weather- normalized
Historical	2016	Actual	58	OEB-approved		Actual	546,384.00	546,384.00	OEB-approved		Actual	9,420.41	9,420.41 OEB	-approved	
Historical	2017	Actual	57			Actual	539,097.00	539,097.00			Actual	9,457.84	9,457.84		
Historical	2018	Actual	57			Actual	541,637.00	541,637.00			Actual	9,502.40	9,502.40		
Historical	2019	Actual	57			Actual	542,146.00	542,146.00			Actual	9,511.33			
Historical	2020	Actual	57			Actual	535,316.00	535,316.00			Actual	9,391.51	9,391.51		
Bridge Year	2021	Forecast	57			Forecast		535,316.00			Forecast	0.00	9,391.51		
Test Year	2022	Forecast	57			Forecast		535,316.00			Forecast	0.00	9,391.51		
Variance Analysis	1														
variarius Alidiysis					Test Year					Test Year					Test Year
Vanance Andrysis	Year		Year-over-year		Test Year Versus OEB- approved	Year	Year-ov	ver-year		Test Year Versus OEB- approved	Year	Year-ov	er-year		Versus OE
vanance Andrysis	Year 2016		Year-over-year		Versus OEB-	Year 2016	Year-ov	•		Versus OEB-	Year 2016	Year-ov	er-year		Versus OEE
Vanance Andrysis			Year-over-year		Versus OEB-		Year-ov	ver-year -1.3%		Versus OEB-		Year-ov	er-year 0.4%		Versus OE
vanance Alldiysis	2016 2017 2018				Versus OEB-	2016	-1.3% 0.5%	-1.3% 0.5%		Versus OEB-	2016 2017 2018	0.4%	0.4% 0.5%		Versus OE
variance Alfalysis	2016 2017 2018 2019		-1.7% 0.0% 0.0%		Versus OEB-	2016 2017 2018 2019	-1.3%	-1.3% 0.5% 0.1%		Versus OEB-	2016 2017 2018 2019	0.4% 0.5% 0.1%	0.4% 0.5% 0.1%		Versus OE
variance Alfalysis	2016 2017 2018 2019 2020		-1.7% 0.0%		Versus OEB-	2016 2017 2018 2019 2020	-1.3% 0.5%	-1.3% 0.5% 0.1% -1.3%		Versus OEB-	2016 2017 2018 2019 2020	0.4%	0.4% 0.5% 0.1% -1.3%		Versus OE
variance Alfalysis	2016 2017 2018 2019 2020 2021		-1.7% 0.0% 0.0% 0.0% 0.0%		Versus OEB-	2016 2017 2018 2019 2020 2021	-1.3% 0.5% 0.1%	-1.3% 0.5% 0.1% -1.3% 0.0%		Versus OEB-	2016 2017 2018 2019 2020 2021	0.4% 0.5% 0.1%	0.4% 0.5% 0.1% -1.3% 0.0%		Versus OE
vai iairee AlldiySiS	2016 2017 2018 2019 2020		-1.7% 0.0% 0.0% 0.0%		Versus OEB-	2016 2017 2018 2019 2020	-1.3% 0.5% 0.1%	-1.3% 0.5% 0.1% -1.3%		Versus OEB-	2016 2017 2018 2019 2020	0.4% 0.5% 0.1%	0.4% 0.5% 0.1% -1.3%		Test Year Versus OEE approved

Calendar Yea (for 2022 Cos of Service			R	evenues	
Historical	2016	Actual	\$ 12,979	OEB-approved	
Historical	2017	Actual	\$ 13,087		
Historical	2018	Actual	\$ 13,921		
Historical	2019	Actual	\$ 14,140		
Historical	2020	Actual	\$ 13,949		
Bridge Year (Foreca	2021	Forecast	\$ 14,247		
Test Year (Forecast	2022	Forecast	\$ 16,308		

Variance Analysis	Year	Year-over-year	Test Year Versus OEB- approved
	2016		
	2017	0.8%	
	2018	6.4%	
	2019	1.6%	
	2020	-1.3%	
	2021	2.1%	
	2022	14.5%	
	Geometric Mean	4.7%	