

Oshawa PUC Networks Inc. Weather Normal Load Forecast for 2021 Rate Application

Description	Actual Results					Weather Normal Forecast	
	2015	2016	2017	2018	2019	2020	2021
Actual kWh Purchases	1,123,341,031	1,122,027,434	1,074,174,685	1,124,349,572	1,090,293,582		
Predicted kWh Purchases	1,115,923,051	1,137,865,447	1,083,497,510	1,133,372,323	1,135,059,363	1,125,237,967	1,122,802,653
% Difference	-0.7%	1.4%	0.9%	0.8%	4.1%		
Billed kWh	1,079,788,016	1,075,184,905	1,035,410,214	1,077,322,376	1,048,371,769	1,078,000,817	1,075,667,737
Billed kW	1,159,775	1,179,819	1,139,281	1,149,558	1,116,595	1,116,642	1,107,095
By Class							
Residential							
Customers	51,121	52,140	52,923	54,033	54,652	55,416	56,190
kWh	479,213,665	477,491,267	452,164,405	485,718,955	477,327,195	494,764,509	496,495,068
GS<50							
Customers	4,020	4,150	4,162	4,199	4,195	4,232	4,269
kWh	132,197,810	130,049,530	126,639,545	132,517,306	125,004,589	128,912,694	128,706,195
GS>50							
Customers	509	518	524	519	535	535	535
kWh	333,350,818	330,893,084	327,193,987	332,346,251	324,474,004	331,252,155	328,035,469
kW	847,479	850,825	839,126	858,828	833,274	833,808	825,711
Large User							
Customers	1	1	1	1	1	1	1
kWh	41,948,976	41,438,246	40,954,643	41,879,817	38,878,939	38,878,939	38,878,939
kW	95,584	99,526	92,549	88,409	87,535	86,319	86,319
GS 1,000 - 4,999 kW (I2)							
Customers	12	13	13	13	13	13	13
kWh	81,234,207	83,295,745	80,815,499	77,975,782	75,700,561	77,156,789	76,465,711
kW	190,580	202,815	193,828	190,151	183,732	184,129	182,480
Streetlights							
Connections	12,676	12,955	13,171	13,828	13,934	14,161	14,391
kWh	9,302,763	9,490,651	5,107,520	4,336,239	4,410,847	4,482,653	4,555,628
kW	26,032	26,568	13,693	12,085	11,969	12,304	12,504
Sentinels							
Connections	25	23	23	23	23	22	22
kWh	27,547	25,800	25,668	25,643	25,690	25,016	24,360
kW	100	85	85	85	85	83	81
USL							
Connections	286	274	274	276	278	275	273
kWh	2,512,230	2,500,582	2,508,947	2,522,383	2,549,944	2,528,061	2,506,367
Total of Above							
Customer/Connections	68,651	70,074	71,091	72,892	73,631	74,655	75,694
kWh	1,079,788,016	1,075,184,905	1,035,410,214	1,077,322,376	1,048,371,769	1,078,000,817	1,075,667,737
kW from applicable classes	1,159,775	1,179,819	1,139,281	1,149,558	1,116,595	1,116,642	1,107,095
Total from Model							
Customer/Connections	68,651	70,074	71,091	72,892	73,631	74,655	75,694
kWh	1,079,788,016	1,075,184,905	1,035,410,214	1,077,322,376	1,048,371,769	1,078,000,817	1,075,667,737
kW from applicable classes	1,159,775	1,179,819	1,139,281	1,149,558	1,116,595	1,116,642	1,107,095
Check should all be zero							
Customer/Connections	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0

	Purchased	Heating Degree Days	Cooling Degree Days	Number of Days in Month	Spring Fall Flag	Predicted Purchases	Variances (kWh)	
Jan-10	114,148,404	699.90	-	31	0	109,140,438	(5,007,966)	4.4%
Feb-10	100,280,892	583.80	-	28	0	97,151,821	(3,129,071)	3.1%
Mar-10	95,443,611	411.00	-	31	1	92,165,624	(3,277,987)	3.4%
Apr-10	80,941,806	244.00	-	30	1	82,994,676	2,052,870	2.5%
May-10	87,418,768	121.70	23.20	31	1	85,479,438	(1,939,330)	2.2%
Jun-10	89,087,289	19.40	46.60	30	0	89,265,756	178,467	0.2%
Jul-10	107,904,059	3.50	124.00	31	0	107,681,393	(222,666)	0.2%
Aug-10	102,274,426	3.20	96.80	31	0	101,828,103	(446,323)	0.4%
Sep-10	83,491,003	85.50	18.50	30	1	80,574,742	(2,916,261)	3.5%
Oct-10	84,900,189	247.80	-	31	1	85,583,255	683,066	0.8%
Nov-10	91,736,752	389.20	-	30	1	88,851,048	(2,885,703)	3.1%
Dec-10	110,862,133	628.70	-	31	0	106,268,719	(4,593,414)	4.1%
Jan-11	113,644,387	760.90	-	31	0	111,600,760	(2,043,627)	1.8%
Feb-11	100,561,048	634.20	-	28	0	99,184,611	(1,376,437)	1.4%
Mar-11	102,613,397	559.80	-	31	1	98,167,195	(4,446,201)	4.3%
Apr-11	87,015,565	350.80	-	30	1	87,302,256	286,690	0.3%
May-11	82,921,010	157.70	2.80	31	1	82,550,538	(370,471)	0.4%
Jun-11	88,149,132	26.70	36.90	30	0	87,477,116	(672,016)	0.8%
Jul-11	108,927,665	0.20	141.20	31	0	111,241,987	2,314,323	2.1%
Aug-11	100,307,974	3.70	80.50	31	0	98,347,851	(1,960,123)	2.0%
Sep-11	85,805,170	48.90	34.60	30	1	82,556,018	(3,249,152)	3.8%
Oct-11	85,767,950	225.30	-	31	1	84,675,760	(1,092,190)	1.3%
Nov-11	89,407,468	349.70	-	30	1	87,257,889	(2,149,579)	2.4%
Dec-11	103,511,621	531.20	-	31	0	102,336,238	(1,175,384)	1.1%
Jan-12	107,982,172	611.00	-	31	0	105,554,822	(2,427,350)	2.2%
Feb-12	97,310,519	536.20	-	29	0	97,667,277	356,758	0.4%
Mar-12	92,940,594	399.40	-	31	1	91,697,760	(1,242,834)	1.3%
Apr-12	84,061,512	336.90	-	30	1	86,741,625	2,680,113	3.2%
May-12	84,298,341	109.30	21.80	31	1	84,678,657	380,316	0.5%
Jun-12	93,187,122	28.20	64.30	30	0	93,421,756	234,634	0.3%
Jul-12	110,767,075	-	155.30	31	0	114,261,891	3,494,816	3.2%
Aug-12	101,373,952	4.40	102.80	31	0	103,165,001	1,791,049	1.8%
Sep-12	85,023,139	84.00	24.40	30	1	81,781,265	(3,241,875)	3.8%
Oct-12	85,295,690	229.00	-	31	1	84,824,992	(470,698)	0.6%
Nov-12	91,679,200	427.90	-	30	1	90,411,941	(1,267,259)	1.4%
Dec-12	102,292,638	451.10	-	31	0	99,105,553	(3,187,085)	3.1%
Jan-13	107,376,383	615.40	-	31	0	105,732,288	(1,644,095)	1.5%
Feb-13	98,702,892	611.50	-	28	0	98,269,049	(433,843)	0.4%
Mar-13	98,851,083	545.00	-	31	1	97,570,265	(1,280,818)	1.3%
Apr-13	87,330,008	366.50	-	30	1	87,935,486	605,478	0.7%
May-13	81,913,958	133.40	3.00	31	1	81,613,393	(300,565)	0.4%
Jun-13	86,391,933	42.90	32.20	30	0	87,121,190	729,256	0.8%
Jul-13	104,037,067	4.40	110.00	31	0	104,711,198	674,132	0.6%
Aug-13	95,663,442	11.00	57.90	31	0	93,788,941	(1,874,500)	2.0%
Sep-13	83,012,108	96.60	15.70	30	1	80,421,140	(2,590,968)	3.1%
Oct-13	84,463,400	221.00	3.00	31	1	85,146,576	683,176	0.8%
Nov-13	94,249,183	458.60	-	30	1	91,650,168	(2,599,015)	2.8%
Dec-13	108,415,583	472.80	-	31	0	99,980,782	(8,434,801)	7.8%
Jan-14	117,702,582	771.30	-	31	0	112,020,225	(5,682,358)	4.8%
Feb-14	101,945,538	690.85	-	28	0	101,469,484	(476,055)	0.5%
Mar-14	106,417,935	677.95	-	31	1	102,932,556	(3,485,379)	3.3%
Apr-14	86,925,100	371.30	-	30	1	88,129,085	1,203,985	1.4%
May-14	81,755,065	160.50	1.30	31	1	82,341,347	586,282	0.7%
Jun-14	88,119,245	26.90	40.10	30	0	88,172,382	53,136	0.1%
Jul-14	93,045,474	9.60	54.60	31	0	93,023,801	(21,673)	0.0%
Aug-14	92,680,249	12.70	58.00	31	0	93,878,983	1,198,734	1.3%
Sep-14	84,852,397	77.40	22.50	30	1	81,107,042	(3,745,355)	4.4%
Oct-14	84,720,129	216.30	0.50	31	1	84,420,136	(299,993)	0.4%
Nov-14	94,073,965	407.30	-	30	1	89,581,078	(4,492,887)	4.8%
Dec-14	102,732,462	551.80	-	31	0	103,167,100	434,639	0.4%
Jan-15	113,173,668	775.60	-	31	0	112,193,657	(980,011)	0.9%
Feb-15	107,355,855	809.40	-	28	0	106,250,977	(1,104,877)	1.0%
Mar-15	101,615,900	611.60	-	31	1	100,256,452	(1,359,448)	1.3%
Apr-15	84,454,598	335.60	-	30	1	86,689,192	2,234,594	2.6%
May-15	81,506,282	120.50	1.80	31	1	80,835,396	(670,886)	0.8%
Jun-15	83,276,944	50.20	13.10	30	0	83,313,904	36,960	0.0%
Jul-15	99,414,180	6.80	71.50	31	0	96,540,137	(2,874,043)	2.9%
Aug-15	95,068,872	4.90	62.00	31	0	94,423,383	(645,490)	0.7%
Sep-15	91,662,129	37.00	48.60	30	1	85,082,548	(6,579,581)	7.2%
Oct-15	83,968,946	248.10	-	31	1	85,595,355	1,626,409	1.9%
Nov-15	87,046,493	345.60	-	30	1	87,092,523	46,031	0.1%
Dec-15	94,797,165	415.00	-	31	0	97,649,527	2,852,362	3.0%
Jan-16	105,036,544	624.10	-	31	0	106,083,186	1,046,643	1.0%
Feb-16	96,391,484	493.10	-	29	0	95,928,918	(462,566)	0.5%

Run: 10 yr regression, starting with Jan 2010

SUMMARY OUTPUT

Regression Statistics	
Multiple R	95.17%
R Square	90.58%
Adjusted R Square	90.25%
Standard Error	3,074,597.87
Observations	120

ANOVA					
	df	SS	MS	F	Significance F
Regression	4	1.04492E+16	2.61231E+15	276.3427872	5.51802E-58
Residual	115	1.08711E+15	9.45315E+12		
Total	119	1.15364E+16			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	5,416,561	10,755,242.76	0.50	0.615491406	-15887504.61	26720627.33	-15887504.61	26720627.33
Heating Degree Days	40,333	1,722.22	23.42	1.40274E-45	36921.74774	43744.53381	36921.74774	43744.53381
Cooling Degree Days	214,750	12,342.27	17.40	5.33311E-34	190301.972	239197.2867	190301.972	239197.2867
Number of Days in Month	2,435,313	355,807.20	6.84	3.96103E-10	1730527.708	3140098.861	1730527.708	3140098.861
Spring Fall Flag	(5,322,570)	702,148.04	(7.58)	9.60123E-12	-6713390.189	-3931749.916	-6713390.189	-3931749.916

Mar-16	93,754,132	454.80	-	31	1	93,932,216	178,083	0.2%
Apr-16	84,646,746	334.60	-	30	1	86,648,859	2,002,113	2.4%
May-16	82,523,655	126.30	16.10	31	1	84,140,248	1,616,593	2.0%
Jun-16	88,597,408	28.70	42.40	30	0	88,738,905	141,498	0.2%
Jul-16	105,096,208	0.70	128.80	31	0	108,599,259	3,503,051	3.3%
Aug-16	110,653,600	-	155.50	31	0	114,304,841	3,651,241	3.3%
Sep-16	88,623,306	34.60	46.10	30	1	84,448,874	(4,174,432)	4.7%
Oct-16	81,876,960	194.00	0.30	31	1	83,477,757	1,600,797	2.0%
Nov-16	84,765,723	350.30	-	30	1	87,282,089	2,516,366	3.0%
Dec-16	100,061,669	579.40	-	31	0	104,280,295	4,218,626	4.2%
Jan-17	100,646,849	459.50	-	31	0	99,444,351	(1,202,498)	1.2%
Feb-17	87,854,689	428.60	-	28	0	90,892,117	3,037,428	3.5%
Mar-17	97,321,782	535.80	-	31	1	97,199,200	(122,582)	0.1%
Apr-17	79,555,525	245.60	-	30	1	83,059,209	3,503,684	4.4%
May-17	78,949,382	197.90	3.40	31	1	84,300,780	5,351,398	6.8%
Jun-17	83,100,588	41.10	33.90	30	0	87,413,664	4,313,076	5.2%
Jul-17	95,213,619	1.10	55.00	31	0	92,766,869	(2,446,750)	2.6%
Aug-17	92,095,645	16.20	26.60	31	0	87,277,010	(4,818,635)	5.2%
Sep-17	87,354,677	70.60	42.20	30	1	85,063,344	(2,291,333)	2.6%
Oct-17	80,445,481	156.00	3.40	31	1	82,610,822	2,165,341	2.7%
Nov-17	87,535,410	322.30	-	30	1	86,152,761	(1,382,649)	1.6%
Dec-17	104,101,037	654.70	-	31	0	107,317,380	3,216,344	3.1%
Jan-18	108,785,438	635.70	-	31	0	106,551,051	(2,234,387)	2.1%
Feb-18	90,878,321	502.20	-	28	0	93,860,637	2,982,315	3.3%
Mar-18	93,820,032	564.70	-	31	1	98,364,828	4,544,795	4.8%
Apr-18	87,253,421	458.10	-	30	1	91,630,002	4,376,580	5.0%
May-18	81,068,747	108.30	19.40	31	1	84,122,925	3,054,178	3.8%
Jun-18	85,876,568	20.40	25.00	30	0	84,667,497	(1,209,071)	1.4%
Jul-18	106,621,772	0.20	92.70	31	0	100,826,630	(5,795,142)	5.4%
Aug-18	107,044,537	1.80	107.90	31	0	104,155,358	(2,889,179)	2.7%
Sep-18	90,486,080	62.50	47.80	30	1	85,939,243	(4,546,837)	5.0%
Oct-18	83,580,178	211.70	1.70	31	1	84,492,303	912,126	1.1%
Nov-18	91,162,745	512.90	-	30	1	93,840,258	2,677,513	2.9%
Dec-18	97,771,732	595.30	-	31	0	104,921,592	7,149,860	7.3%
Jan-19	108,096,092	755.50	-	31	0	111,382,961	3,286,869	3.0%
Feb-19	94,804,828	607.20	-	28	0	98,095,616	3,290,789	3.5%
Mar-19	97,105,658	573.20	-	31	1	98,707,659	1,602,001	1.6%
Apr-19	82,635,430	353.30	-	30	1	87,403,088	4,767,659	5.8%
May-19	76,934,878	208.10	-	31	1	83,982,030	7,047,152	9.2%
Jun-19	82,502,807	50.30	33.90	30	0	87,784,729	5,281,923	6.4%
Jul-19	108,491,040	-	135.30	31	0	109,966,898	1,475,858	1.4%
Aug-19	96,662,056	0.50	77.80	31	0	97,638,961	976,905	1.0%
Sep-19	79,032,587	46.70	18.30	30	1	78,966,866	(65,721)	0.1%
Oct-19	78,556,596	211.80	-	31	1	84,131,262	5,574,666	7.1%
Nov-19	90,825,761	487.20	-	30	1	92,803,696	1,977,935	2.2%
Dec-19	94,645,849	577.30	-	31	0	104,195,595	9,549,746	10.1%
Jan-20		670.89	-	31	0	107,970,374		
Feb-20		589.71	-	29	0	99,825,301		
Mar-20		533.33	-	31	1	97,099,375		
Apr-20		339.67	-	30	1	86,853,348		
May-20		144.37	9.28	31	1	83,404,475		
Jun-20		33.48	36.84	30	0	87,737,690		
Jul-20		2.65	106.84	31	0	103,962,006		
Aug-20		5.84	82.58	31	0	98,880,843		
Sep-20		64.38	31.87	30	1	82,594,108		
Oct-20		216.10	0.89	31	1	84,495,822		
Nov-20		405.10	-	30	1	89,492,345		
Dec-20		545.73	-	31	0	102,922,278		
Jan-21		670.89	-	31	0	107,970,374		
Feb-21		589.71	-	28	0	97,389,988		
Mar-21		533.33	-	31	1	97,099,375		
Apr-21		339.67	-	30	1	86,853,348		
May-21		144.37	9.28	31	1	83,404,475		
Jun-21		33.48	36.84	30	0	87,737,690		
Jul-21		2.65	106.84	31	0	103,962,006		
Aug-21		5.84	82.58	31	0	98,880,843		
Sep-21		64.38	31.87	30	1	82,594,108		
Oct-21		216.10	0.89	31	1	84,495,822		
Nov-21		405.10	-	30	1	89,492,345		
Dec-21		545.73	-	31	0	102,922,278		

Summary - 10 year regression based on RUN 3

13,480,937,780

		Change	% Change			Variance		Weather Normalized	Weather Nomal Factor
2010	1,148,489,332			1,126,985,013	(21,504,318)	-1.9%		1,122,802,653	0.9963
2011	1,148,632,387	143,056	0.0%	1,132,698,219	(15,934,168)	-1.4%		1,122,802,653	0.9913
2012	1,136,211,953	(12,420,435)	-1.1%	1,133,312,539	(2,899,414)	-0.3%		1,125,237,967	0.9929
2013	1,130,407,042	(5,804,911)	-0.5%	1,113,940,477	(16,466,565)	-1.5%		1,122,802,653	1.0080
2014	1,134,970,143	4,563,101	0.4%	1,120,243,217	(14,726,925)	-1.3%		1,122,802,653	1.0023
2015	1,123,341,031	(11,629,112)	-1.0%	1,115,923,051	(7,417,980)	-0.7%		1,122,802,653	1.0062
2016	1,122,027,434	(1,313,597)	-0.1%	1,137,865,447	15,838,013	1.4%		1,125,237,967	0.9889
2017	1,074,174,685	(47,852,750)	-4.3%	1,083,497,510	9,322,825	0.9%		1,122,802,653	1.0363
2018	1,124,349,572	50,174,887	4.7%	1,133,372,323	9,022,752	0.8%		1,122,802,653	0.9907
2019	1,090,293,582	(34,055,990)	-3.0%	1,135,059,363	44,765,781	4.1%		1,122,802,653	0.9892
2020	1,125,237,967	34,944,385		1,125,237,967	0				
2021	1,122,802,653	(2,435,313)		1,122,802,653	0				
Total	11,232,897,160			11,232,897,160	-				
				13,480,937,780	-				
									Check totals above should be zero
									2.4998%

20-Year trend (based on HDD, CDD, # of days in month, and spring/fall flag ONLY)

Month	Heating Degree Days	Cooling Degree Days	Number of Days in Month	Spring Fall Flag	Predicted Purchases
Jan-21	647.21	-	31	0	107,015,240
Feb-21	569.07	-	28	0	96,557,841
Mar-21	549.50	-	31	1	97,751,910
Apr-21	340.53	-	30	1	86,887,889
May-21	135.66	10.90	31	1	83,401,396
Jun-21	30.21	34.28	30	0	87,057,036
Jul-21	0.65	108.49	31	0	104,235,523
Aug-21	4.99	76.50	31	0	97,540,377
Sep-21	59.01	34.80	30	1	83,006,537
Oct-21	194.29	0.95	31	1	83,628,731
Nov-21	414.47	-	30	1	89,870,418
Dec-21	526.86	-	31	0	102,161,001
					1,119,113,899

* Using 10-year regression on 4 variables (HDD, CDD, days in month, spring/fall flag)

	<u>Purchases</u>	<u>Modeled Purchases</u>	<u>Difference</u>	<u>% Difference</u>	<u>Loss Factor</u>	<u>Total Billed</u>	<u>Residential</u>	<u>GS<50</u>	<u>GS>50</u>	<u>Large User</u>	<u>GS 1,000 - 4,999 kW (I2)</u>	<u>Streetlights</u>	<u>Sentinels</u>	<u>USL</u>
Weather Normal Projection														
2010	1,148,489,332	1,126,985,013	(21,504,318)	-1.9%	1.0527	1,090,972,636	476,976,847	131,282,103	355,234,224	33,402,763	80,783,141	10,427,904	34,153	2,831,501
2011	1,148,632,387	1,132,698,219	(15,934,168)	-1.4%	1.0343	1,110,552,286	484,617,834	135,695,878	359,534,375	37,740,699	79,908,016	10,253,017	33,439	2,769,028
2012	1,136,211,953	1,133,312,539	(2,899,414)	-0.3%	1.0581	1,073,813,786	473,324,280	131,590,801	338,342,507	40,812,737	76,828,137	10,139,708	29,915	2,745,701
2013	1,130,407,042	1,113,940,477	(16,466,565)	-1.5%	1.0484	1,078,190,106	475,318,261	132,382,128	337,123,668	42,326,219	79,176,233	9,082,284	28,897	2,752,416
2014	1,134,970,143	1,120,243,217	(14,726,925)	-1.3%	1.0397	1,091,670,994	485,539,319	133,729,082	336,406,114	42,700,435	81,400,346	9,155,875	28,604	2,711,219
2015	1,123,341,031	1,115,923,051	(7,417,980)	-0.7%	1.0403	1,079,788,016	479,213,665	132,197,810	333,350,818	41,948,976	81,234,207	9,302,763	27,547	2,512,230
2016	1,122,027,434	1,137,865,447	15,838,013	1.4%	1.0436	1,075,184,905	477,491,267	130,049,530	330,893,084	41,438,246	83,295,745	9,490,651	25,800	2,500,582
2017	1,074,174,685	1,083,497,510	9,322,825	0.9%	1.0374	1,035,410,214	452,164,405	126,639,545	327,193,987	40,954,643	80,815,499	5,107,520	25,668	2,508,947
2018	1,124,349,572	1,133,372,323	9,022,752	0.8%	1.0437	1,077,322,376	485,718,955	132,517,306	332,346,251	41,879,817	77,975,782	4,336,239	25,643	2,522,383
2019	1,090,293,582	1,135,059,363	44,765,781	4.1%	1.0400	1,048,371,769	477,327,195	125,004,589	324,474,004	38,878,939	75,700,561	4,410,847	25,690	2,549,944
2020		1,125,237,967				1,078,000,817								
2021		1,122,802,653				1,075,667,737								
					1.04382		4,767,692,028	1,311,088,772	3,374,899,032	402,083,474	797,117,667	81,706,808	285,355	26,403,951
Usage Per Customer														
2019							8,734	29,800	606,210	38,878,939	5,937,299	317	1,117	9,181
Non Weather Corrected Forecast														
2020						1,056,192,080	483,995,941	126,106,905	324,474,004	38,878,939	75,700,561	4,482,653	25,016	2,528,061
2021						1,064,116,656	490,757,856	127,218,941	324,474,004	38,878,939	75,700,561	4,555,628	24,360	2,506,367
Weather Corrected Forecast														
2020						1,078,000,817	494,764,509	128,912,694	331,252,155	38,878,939	77,156,789	4,482,653	25,016	2,528,061
2021						1,075,667,737	496,495,068	128,706,195	328,035,469	38,878,939	76,465,711	4,555,628	24,360	2,506,367
														Total
% Weather Sensitive														
2020						21,808,737	456,122,668	118,844,422	287,101,160	0	61,681,247	0	0	0
2021						11,551,081	462,495,165	119,892,416	287,101,160	0	61,681,247	0	0	0
														Total
Allocation of Weather Sensitive Amount														
2020							10,768,568	2,805,790	6,778,151	0	1,456,228	0	0	0
2021							5,737,212	1,487,255	3,561,465	0	765,150	0	0	0

	<u>Residential</u>	<u>GS<50</u>	<u>GS>50</u>	<u>Large User</u>	<u>GS 1,000 - 4,999 kW (I2)</u>	<u>Streetlights</u>	<u>Sentinels</u>	<u>USL</u>	<u>Total</u>
2009	47,572	3,842	541	1	11	11,856	30	303	64,156
2010	48,199	3,926	511	1	10	12,076	30	307	65,060
2011	48,674	3,876	522	1	10	12,131	29	302	65,544
2012	48,989	3,858	503	1	10	12,222	26	297	65,905
2013	49,554	3,911	499	1	11	12,328	26	295	66,625
2014	50,170	3,940	503	1	11	12,466	26	295	67,412
2015	51,121	4,020	509	1	12	12,676	25	286	68,651
2016	52,140	4,150	518	1	13	12,955	23	274	70,074
2017	52,923	4,162	524	1	13	13,171	23	274	71,091
2018	54,033	4,199	519	1	13	13,828	23	276	72,892
2019	54,652	4,195	535	1	13	13,934	23	278	73,631
2020	55,416	4,232	535	1	13	14,161	22	275	74,655
2021	56,190	4,269	535	1	13	14,391	22	273	75,694

	51,045	4,024	514	1	12	12,779	25	288	
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Growth Rate in Customer Numbers

2010	1.0132	1.0219	0.9444	0.7500	0.9449	1.0185	1.0000	1.0138
2011	1.0098	0.9872	1.0212	1.0000	1.0000	1.0046	0.9667	0.9824
2012	1.0065	0.9954	0.9641	1.0000	1.0250	1.0075	0.8966	0.9834
2013	1.0115	1.0136	0.9927	1.0000	1.0732	1.0087	1.0000	0.9955
2014	1.0124	1.0076	1.0078	1.0000	1.0000	1.0112	1.0000	0.9992
2015	1.0190	1.0202	1.0119	1.0000	1.1288	1.0168	0.9615	0.9692
2016	1.0199	1.0323	1.0164	1.0000	1.0470	1.0220	0.9200	0.9595
2017	1.0150	1.0029	1.0124	1.0000	0.9808	1.0167	1.0000	0.9994
2018	1.0210	1.0090	0.9913	1.0000	1.0196	1.0498	1.0000	1.0067
2019	1.0115	0.9989	1.0305	1.0000	0.9808	1.0077	1.0000	1.0066

Used	1.0140	1.0088	1.0000	1.0000	1.0000	1.0163	0.9738	0.9914
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Geomean (10-yr)	1.0140	1.0088	0.9989	0.9716	1.0188	1.0163	0.9738	0.9914
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Customer Growth	<u>Residential</u>	<u>GS<50</u>	<u>GS>50</u>	<u>Large User</u>	<u>GS 1,000 - 4,999 kW (I2)</u>				
2009 - 2019	15%	9%	-1%	0%	20%	18%	-23%	-8%	15%
2010 - 2020	15%	8%	5%	0%	28%				
2011 - 2021	15%	10%	3%	0%	28%				

Avg =	2009 - 2019	8.7%
	2010 - 2020	11.0%
	2011 - 2021	11.1%

Source: Distribution Revenue
Analysis

	GS>50	Large User	GS 1,000 - 4,999 kW (I2)	Streetlights	Sentinels	Total
2010	871,715	70,585	195,141	27,634	99	1,165,174
2011	867,070	83,704	192,700	27,830	100	1,171,404
2012	846,459	89,554	182,189	27,720	100	1,146,022
2013	843,160	92,753	184,241	25,276	100	1,145,530
2014	831,789	93,203	186,714	25,520	100	1,137,326
2015	847,479	95,584	190,580	26,032	100	1,159,775
2016	850,825	99,526	202,815	26,568	85	1,179,819
2017	839,126	92,549	193,828	13,693	85	1,139,281
2018	858,828	88,409	190,151	12,085	85	1,149,558
2019	833,274	87,535	183,732	11,969	85	1,116,595
2020	833,808	86,319	184,129	12,304	83	1,116,642
2021	825,711	86,319	182,480	12,504	81	1,107,095

kW/kWh

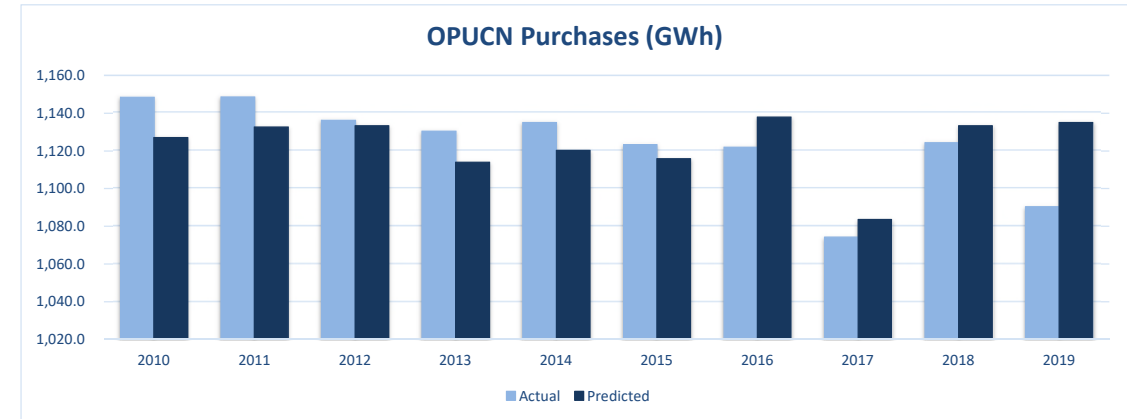
2010	0.2454%	0.2113%	0.2416%	0.2650%	0.2913%
2011	0.2412%	0.2218%	0.2412%	0.2714%	0.2990%
2012	0.2502%	0.2194%	0.2371%	0.2734%	0.3343%
2013	0.2501%	0.2191%	0.2327%	0.2783%	0.3461%
2014	0.2473%	0.2183%	0.2294%	0.2787%	0.3496%
2015	0.2542%	0.2279%	0.2346%	0.2798%	0.3630%
2016	0.2571%	0.2402%	0.2435%	0.2799%	0.3295%
2017	0.2565%	0.2260%	0.2398%	0.2681%	0.3312%
2018	0.2584%	0.2111%	0.2439%	0.2787%	0.3315%
2019	0.2568%	0.2251%	0.2427%	0.2714%	0.3309%

Used	0.2517%	0.2220%	0.2386%	0.2745%	0.3306%
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Average (10-yr)	0.2517%	0.2220%	0.2386%	0.2745%	0.3306%
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Total System Purchases

Year	Actual	Predicted	% Difference	Predicted Weather Normal	Weather Normal Conversion Factor	Actual Weather Normal
Purchased Energy (GWh)						
2010	1,148.5	1,127.0	-1.9%	1,122.8	0.9963	1,144.2
2011	1,148.6	1,132.7	-1.4%	1,122.8	0.9913	1,138.6
2012	1,136.2	1,133.3	-0.3%	1,125.2	0.9929	1,128.1
2013	1,130.4	1,113.9	-1.5%	1,122.8	1.0080	1,139.4
2014	1,135.0	1,120.2	-1.3%	1,122.8	1.0023	1,137.6
2015	1,123.3	1,115.9	-0.7%	1,122.8	1.0062	1,130.3
2016	1,122.0	1,137.9	1.4%	1,125.2	0.9889	1,109.6
2017	1,074.2	1,083.5	0.9%	1,122.8	1.0363	1,113.1
2018	1,124.3	1,133.4	0.8%	1,122.8	0.9907	1,113.9
2019	1,090.3	1,135.1	4.1%	1,122.8	0.9892	1,078.5
2020 Weather Normal - Bridge Year		1,125.2		1,125.2	1.0000	
2021 Weather Normal - Test Year		1,122.8		1,122.8	1.0000	
2021 Test - 20 yr trend		1,119.1		1,119.1	1.0000	



10-year vs 20-year trend data

Month	Normalized 10Year Average	Normalized 20 Year Trend	% Difference
Predicted Energy (GWh)			
January-21	108.0	107.0	-0.9%
February-21	97.4	96.6	-0.9%
March-21	97.1	97.8	0.7%
April-21	86.9	86.9	0.0%
May-21	83.4	83.4	0.0%
June-21	87.7	87.1	-0.8%
July-21	104.0	104.2	0.3%
August-21	98.9	97.5	-1.4%
September-21	82.6	83.0	0.5%
October-21	84.5	83.6	-1.0%
November-21	89.5	89.9	0.4%
December-21	102.9	102.2	-0.7%
	1,122.8	1,119.1	-0.3%

Year	Residential	GS<50kW	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	USL	Total
Annual Average Customer Count									
2015 Board Approved	50,977	4,002	507	1	12	12,710	23	296	68,529
2016 Board Approved	51,742	4,062	515	1	12	12,960	22	296	69,611
2017 Board Approved	52,518	4,123	522	1	12	13,215	22	296	70,710
2018 Board Approved	53,516	4,202	532	1	12	13,466	21	297	72,047
2019 Board Approved	54,533	4,282	542	1	12	13,722	20	297	73,409
2010 Actuals	48,199	3,926	511	1	10	12,076	30	307	65,060
2011 Actuals	48,674	3,876	522	1	10	12,131	29	302	65,544
2012 Actuals	48,989	3,858	503	1	10	12,222	26	297	65,905
2013 Actuals	49,554	3,911	499	1	11	12,328	26	295	66,625
2014 Actuals	50,170	3,940	503	1	11	12,466	26	295	67,412
2015 Actuals	51,121	4,020	509	1	12	12,676	25	286	68,651
2016 Actuals	52,140	4,150	518	1	13	12,955	23	274	70,074
2017 Actuals	52,923	4,162	524	1	13	13,171	23	274	71,091
2018 Actuals	54,033	4,199	519	1	13	13,828	23	276	72,892
2019 Actuals	54,652	4,195	535	1	13	13,934	23	278	73,631
10-year geo mean average	1.0140	1.0088	1.0000	1.0000	1.0000	1.0163	0.9738	0.9914	1.0005
2020 - Bridge year forecast	55,416	4,232	535	1	13	14,161	22	275	74,655
2021 - Test year forecast	56,190	4,269	535	1	13	14,391	22	273	75,694

Year	Residential	GS<50kW	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	USL
Usage per Customer/Connection (kWh per customer/connection)								
2019 Board Approved	9,087	31,753	641,831	42,532,142	7,150,269	367	1,422	8,745
2019 Actuals	8,734	29,800	606,210	38,878,939	5,937,299	317	1,117	9,181
2020 - Bridge year (not normalized or weather corrected)	8,734	29,800	606,210	38,878,939	5,937,299	317	1,117	9,181
2021 - Test year (not normalized or weather corrected)	8,734	29,800	606,210	38,878,939	5,937,299	317	1,117	9,181

Weather sensitivity by rate class

Residential	GS<50kW	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	USL
Weather Sensitivity							
94.24%	94.24%	88.48%	0.00%	81.48%	0.00%	0.00%	0.00%

Forecast Weather Normalized Billed Energy

Year	Residential	GS<50kW	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	USL	Total
Non-Normalized Billed Energy (kWh)									
2020 (non-normalized)	483,995,941	126,106,905	324,474,004	38,878,939	75,700,561	4,482,653	25,016	2,528,061	1,056,192,080
2021 (non-normalized)	490,757,856	127,218,941	324,474,004	38,878,939	75,700,561	4,555,628	24,360	2,506,367	1,064,116,656
Adjustment for Weather (kWh)									
2020	10,768,568	2,805,790	6,778,151	-	1,456,228	-	-	-	21,808,737
2021	5,737,212	1,487,255	3,561,465	-	765,150	-	-	-	11,551,081
Normalized Billed Energy (kWh)									
2020 (normalized)	494,764,509	128,912,694	331,252,155	38,878,939	77,156,789	4,482,653	25,016	2,528,061	1,078,000,817
2021 (normalized)	496,495,068	128,706,195	328,035,469	38,878,939	76,465,711	4,555,628	24,360	2,506,367	1,075,667,737

Year	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	Total
Billed Demand (kW)						
2010 Actuals	871,715	70,585	195,141	27,634	99	1,165,174
2011 Actuals	867,070	83,704	192,700	27,830	100	1,171,404
2012 Actuals	846,459	89,554	182,189	27,720	100	1,146,022
2013 Actuals	843,160	92,753	184,241	25,276	100	1,145,530
2014 Actuals	831,789	93,203	186,714	25,520	100	1,137,326
2015 Actuals	847,479	95,584	190,580	26,032	100	1,159,775
2016 Actuals	850,825	99,526	202,815	26,568	85	1,179,819
2017 Actuals	839,126	92,549	193,828	13,693	85	1,139,281
2018 Actuals	858,828	88,409	190,151	12,085	85	1,149,558
2019 Actuals	833,274	87,535	183,732	11,969	85	1,116,595

Year	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels
Ratio kW to kWh					
2010	0.25%	0.21%	0.24%	0.27%	0.29%
2011	0.24%	0.22%	0.24%	0.27%	0.30%
2012	0.25%	0.22%	0.24%	0.27%	0.33%
2013	0.25%	0.22%	0.23%	0.28%	0.35%
2014	0.25%	0.22%	0.23%	0.28%	0.35%
2015	0.25%	0.23%	0.23%	0.28%	0.36%
2016	0.26%	0.24%	0.24%	0.28%	0.33%
2017	0.26%	0.23%	0.24%	0.27%	0.33%
2018	0.26%	0.21%	0.24%	0.28%	0.33%
2019	0.26%	0.23%	0.24%	0.27%	0.33%
Rate Applied	0.25%	0.22%	0.24%	0.27%	0.33%
Average Rate	0.25%	0.22%	0.24%	0.27%	0.33%

Year	GS>50kW	Large User	GS 1,000 - 4,999 kW	Streetlights	Sentinels	Total
Predicted Billed Demand (kW)						
2020 Normalized Bridge	833,808	86,319	184,129	12,304	83	1,116,642
2021 Normalized Test	825,711	86,319	182,480	12,504	81	1,107,095

Month	Purchased	Heating Degree Days	Cooling Degree Days	Number of Days in Month	Spring Fall Flag	Predicted Purchases
January-10	114,148,404	699.9	0	31	0	109,140,438
February-10	100,280,892	583.8	0	28	0	97,151,821
March-10	95,443,611	411	0	31	1	92,165,624
April-10	80,941,806	244	0	30	1	82,994,676
May-10	87,418,768	121.7	23.2	31	1	85,479,438
June-10	89,087,289	19.4	46.6	30	0	89,265,756
July-10	107,904,059	3.5	124	31	0	107,681,393
August-10	102,274,426	3.2	96.8	31	0	101,828,103
September-10	83,491,003	85.5	18.5	30	1	80,574,742
October-10	84,900,189	247.8	0	31	1	85,583,255
November-10	91,736,752	389.2	0	30	1	88,851,048
December-10	110,862,133	628.7	0	31	0	106,268,719
January-11	113,644,387	760.9	0	31	0	111,600,760
February-11	100,561,048	634.2	0	28	0	99,184,611
March-11	102,613,397	559.8	0	31	1	98,167,195
April-11	87,015,565	350.8	0	30	1	87,302,256
May-11	82,921,010	157.7	2.8	31	1	82,550,538
June-11	88,149,132	26.7	36.9	30	0	87,477,116
July-11	108,927,665	0.2	141.2	31	0	111,241,987
August-11	100,307,974	3.7	80.5	31	0	98,347,851
September-11	85,805,170	48.9	34.6	30	1	82,556,018
October-11	85,767,950	225.3	0	31	1	84,675,760
November-11	89,407,468	349.7	0	30	1	87,257,889
December-11	103,511,621	531.2	0	31	0	102,336,238
January-12	107,982,172	611	0	31	0	105,554,822
February-12	97,310,519	536.2	0	29	0	97,667,277
March-12	92,940,594	399.4	0	31	1	91,697,760
April-12	84,061,512	336.9	0	30	1	86,741,625
May-12	84,298,341	109.3	21.8	31	1	84,678,657
June-12	93,187,122	28.2	64.3	30	0	93,421,756
July-12	110,767,075	0	155.3	31	0	114,261,891
August-12	101,373,952	4.4	102.8	31	0	103,165,001
September-12	85,023,139	84	24.4	30	1	81,781,265
October-12	85,295,690	229	0	31	1	84,824,992
November-12	91,679,200	427.9	0	30	1	90,411,941
December-12	102,292,638	451.1	0	31	0	99,105,553
January-13	107,376,383	615.4	0	31	0	105,732,288
February-13	98,702,892	611.5	0	28	0	98,269,049
March-13	98,851,083	545	0	31	1	97,570,265
April-13	87,330,008	366.5	0	30	1	87,935,486
May-13	81,913,958	133.4	3	31	1	81,613,393
June-13	86,391,933	42.9	32.2	30	0	87,121,190
July-13	104,037,067	4.4	110	31	0	104,711,198
August-13	95,663,442	11	57.9	31	0	93,788,941
September-13	83,012,108	96.6	15.7	30	1	80,421,140
October-13	84,463,400	221	3	31	1	85,146,576
November-13	94,249,183	458.6	0	30	1	91,650,168
December-13	108,415,583	472.8	0	31	0	99,980,782
January-14	117,702,582	771.3	0	31	0	112,020,225
February-14	101,945,538	690.85	0	28	0	101,469,484
March-14	106,417,935	677.95	0	31	1	102,932,556
April-14	86,925,100	371.3	0	30	1	88,129,085
May-14	81,755,065	160.5	1.3	31	1	82,341,347
June-14	88,119,245	26.9	40.1	30	0	88,172,382
July-14	93,045,474	9.6	54.6	31	0	93,023,801
August-14	92,680,249	12.7	58	31	0	93,878,983
September-14	84,852,397	77.4	22.5	30	1	81,107,042
October-14	84,720,129	216.3	0.5	31	1	84,420,136
November-14	94,073,965	407.3	0	30	1	89,581,078
December-14	102,732,462	551.8	0	31	0	103,167,100
January-15	113,173,668	775.6	0	31	0	112,193,657
February-15	107,355,855	809.4	0	28	0	106,250,977
March-15	101,615,900	611.6	0	31	1	100,256,452
April-15	84,454,598	335.6	0	30	1	86,689,192
May-15	81,506,282	120.5	1.8	31	1	80,835,396
June-15	83,276,944	50.2	13.1	30	0	83,313,904
July-15	99,414,180	6.8	71.5	31	0	96,540,137
August-15	95,068,872	4.9	62	31	0	94,423,383
September-15	91,662,129	37	48.6	30	1	85,082,548
October-15	83,968,946	248.1	0	31	1	85,595,355
November-15	87,046,493	345.6	0	30	1	87,092,523
December-15	94,797,165	415	0	31	0	97,649,527

Month	Purchased	Heating Degree Days	Cooling Degree Days	Number of Days in Month	Spring Fall Flag	Predicted Purchases
January-16	105,036,544	624.1	0	31	0	106,083,186
February-16	96,391,484	493.1	0	29	0	95,928,918
March-16	93,754,132	454.8	0	31	1	93,932,216
April-16	84,646,746	334.6	0	30	1	86,648,859
May-16	82,523,655	126.3	16.1	31	1	84,140,248
June-16	88,597,408	28.7	42.4	30	0	88,738,905
July-16	105,096,208	0.7	128.8	31	0	108,599,259
August-16	110,653,600	0	155.5	31	0	114,304,841
September-16	88,623,306	34.6	46.1	30	1	84,448,874
October-16	81,876,960	194	0.3	31	1	83,477,757
November-16	84,765,723	350.3	0	30	1	87,282,089
December-16	100,061,669	579.4	0	31	0	104,280,295
January-17	100,646,849	459.5	0	31	0	99,444,351
February-17	87,854,689	428.6	0	28	0	90,892,117
March-17	97,321,782	535.8	0	31	1	97,199,200
April-17	79,555,525	245.6	0	30	1	83,059,209
May-17	78,949,382	197.9	3.4	31	1	84,300,780
June-17	83,100,588	41.1	33.9	30	0	87,413,664
July-17	95,213,619	1.1	55	31	0	92,766,869
August-17	92,095,645	16.2	26.6	31	0	87,277,010
September-17	87,354,677	70.6	42.2	30	1	85,063,344
October-17	80,445,481	156	3.4	31	1	82,610,822
November-17	87,535,410	322.3	0	30	1	86,152,761
December-17	104,101,037	654.7	0	31	0	107,317,380
January-18	108,785,438	635.7	0	31	0	106,551,051
February-18	90,878,321	502.2	0	28	0	93,860,637
March-18	93,820,032	564.7	0	31	1	98,364,828
April-18	87,253,421	458.1	0	30	1	91,630,002
May-18	81,068,747	108.3	19.4	31	1	84,122,925
June-18	85,876,568	20.4	25	30	0	84,667,497
July-18	106,621,772	0.2	92.7	31	0	100,826,630
August-18	107,044,537	1.8	107.9	31	0	104,155,358
September-18	90,486,080	62.5	47.8	30	1	85,939,243
October-18	83,580,178	211.7	1.7	31	1	84,492,303
November-18	91,162,745	512.9	0	30	1	93,840,258
December-18	97,771,732	595.3	0	31	0	104,921,592
January-19	108,096,092	755.5	0	31	0	111,382,961
February-19	94,804,828	607.2	0	28	0	98,095,616
March-19	97,105,658	573.2	0	31	1	98,707,659
April-19	82,635,430	353.3	0	30	1	87,403,088
May-19	76,934,878	208.1	0	31	1	83,982,030
June-19	82,502,807	50.3	33.9	30	0	87,784,729
July-19	108,491,040	0	135.3	31	0	109,966,898
August-19	96,662,056	0.5	77.8	31	0	97,638,961
September-19	79,032,587	46.7	18.3	30	1	78,966,866
October-19	78,556,596	211.8	0	31	1	84,131,262
November-19	90,825,761	487.2	0	30	1	92,803,696
December-19	94,645,849	577.3	0	31	0	104,195,595
January-20		670.89	0	31	0	107,970,374
February-20		589.705	0	29	0	99,825,301
March-20		533.325	0	31	1	97,099,375
April-20		339.67	0	30	1	86,853,348
May-20		144.37	9.28	31	1	83,404,475
June-20		33.48	36.84	30	0	87,737,690
July-20		2.65	106.84	31	0	103,962,006
August-20		5.84	82.58	31	0	98,880,843
September-20		64.38	31.87	30	1	82,594,108
October-20		216.1	0.89	31	1	84,495,822
November-20		405.1	0	30	1	89,492,345
December-20		545.73	0	31	0	102,922,278
January-21		670.89	0	31	0	107,970,374
February-21		589.705	0	28	0	97,389,988
March-21		533.325	0	31	1	97,099,375
April-21		339.67	0	30	1	86,853,348
May-21		144.37	9.28	31	1	83,404,475
June-21		33.48	36.84	30	0	87,737,690
July-21		2.65	106.84	31	0	103,962,006
August-21		5.84	82.58	31	0	98,880,843
September-21		64.38	31.87	30	1	82,594,108
October-21		216.1	0.89	31	1	84,495,822
November-21		405.1	0	30	1	89,492,345
December-21		545.73	0	31	0	102,922,278

Original indices from prior load forecast

Updated indices from Stats Can

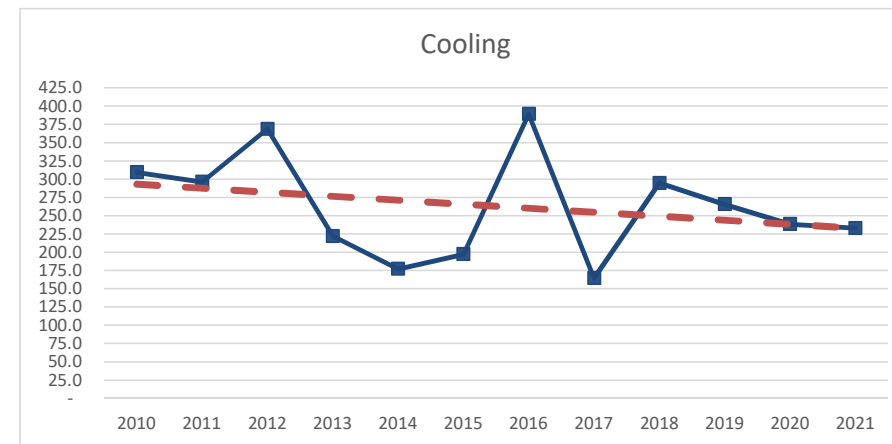
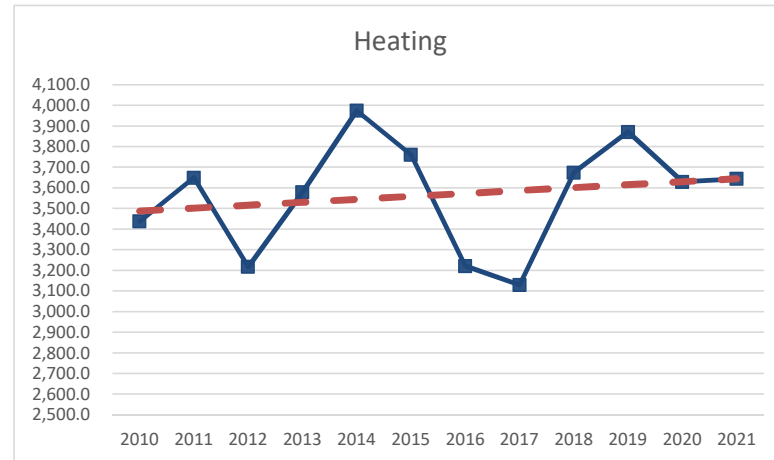
Year.Quarter	Original indices from prior load forecast		Monthly Average	Unemployment Rate - Oshawa	Updated indices from Stats Can											Labour force characteristics	VALUE	Labour force characteristics	VALUE	Labour force characteristics	VALUE	Monthly increase in POP
	Personal Income - Oshawa (Millions \$)	Natural Increase in Population - Oshawa			REF_DATE	GEO	DGUID	Labour force characteristics	Statistics	Data type	UOM	UOM_ID	SCALAR_FACTOR	SCALAR_ID	VECTOR							
2000.01	8,409.54	1,968.22	656.07	5.8%	2001-03-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.4%	Employment rate	66.0%	Population	235,000	500	0.21%
2000.02	8,491.22	1,938.53	646.18	6.2%	2001-04-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.1%	Employment rate	65.7%	Population	235,500	500	0.21%
2000.03	8,693.08	1,901.16	633.72	6.5%	2001-05-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.2%	Employment rate	65.4%	Population	236,000	500	0.21%
2000.04	8,758.80	1,856.09	618.70	6.1%	2001-06-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.2%	Employment rate	64.9%	Population	236,600	600	0.25%
2001.01	8,887.61	1,748.19	582.73	5.4%	2001-07-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.4%	Employment rate	64.7%	Population	237,100	500	0.21%
2001.02	9,009.01	1,709.81	569.94	5.2%	2001-08-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	64.2%	Population	237,700	600	0.25%
2001.03	8,989.89	1,685.81	561.94	5.7%	2001-09-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	64.4%	Population	238,200	500	0.21%
2001.04	9,047.43	1,676.19	558.73	5.1%	2001-10-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.1%	Employment rate	64.1%	Population	238,700	500	0.21%
2002.01	9,105.16	1,734.22	578.07	6.1%	2001-11-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.0%	Employment rate	64.1%	Population	239,200	500	0.21%
2002.02	9,230.57	1,732.03	577.34	8.6%	2001-12-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.1%	Employment rate	64.4%	Population	239,700	500	0.21%
2002.03	9,385.79	1,722.91	574.30	6.6%	2002-01-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	7.0%	Employment rate	64.2%	Population	240,200	500	0.21%
2002.04	9,484.49	1,706.84	568.95	6.1%	2002-02-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	7.7%	Employment rate	64.4%	Population	240,700	500	0.21%
2003.01	9,912.50	1,645.88	548.63	6.0%	2002-03-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	8.6%	Employment rate	63.8%	Population	241,200	500	0.21%
2003.02	10,045.06	1,631.13	543.71	5.2%	2002-04-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	8.0%	Employment rate	63.8%	Population	241,800	600	0.25%
2003.03	10,132.61	1,624.63	541.54	5.6%	2002-05-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	7.5%	Employment rate	63.6%	Population	242,300	500	0.21%
2003.04	10,400.21	1,626.38	542.13	5.1%	2002-06-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.6%	Employment rate	64.0%	Population	242,900	600	0.25%
2004.01	10,458.70	1,655.75	551.92	4.8%	2002-07-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.2%	Employment rate	63.9%	Population	243,600	700	0.29%
2004.02	10,647.79	1,666.25	555.42	5.1%	2002-08-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.0%	Employment rate	64.5%	Population	244,200	600	0.25%
2004.03	10,854.02	1,677.25	559.08	5.3%	2002-09-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.1%	Employment rate	64.6%	Population	244,900	700	0.29%
2004.04	10,998.42	1,688.75	562.92	5.3%	2002-10-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.1%	Employment rate	65.8%	Population	245,500	600	0.24%
2005.01	10,961.29	1,701.06	567.02	5.8%	2002-11-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.0%	Employment rate	66.6%	Population	246,100	600	0.24%
2005.02	11,073.28	1,713.44	571.15	7.2%	2002-12-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	6.0%	Employment rate	67.2%	Population	246,600	500	0.20%
2005.03	11,210.44	1,726.19	575.40	6.3%	2003-01-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	67.6%	Population	247,200	600	0.24%
2005.04	11,305.93	1,739.31	579.77	5.7%	2003-02-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	67.9%	Population	247,700	500	0.20%
2006.01	11,569.75	1,783.13	594.38	6.7%	2003-03-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.2%	Employment rate	68.4%	Population	248,300	600	0.24%
2006.02	11,655.35	1,784.88	594.96	6.7%	2003-04-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.3%	Employment rate	68.5%	Population	248,900	600	0.24%
2006.03	11,681.48	1,774.88	591.63	6.3%	2003-05-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.4%	Employment rate	69.1%	Population	249,500	600	0.24%
2006.04	11,880.01	1,753.13	584.38	6.6%	2003-06-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.6%	Employment rate	69.2%	Population	250,300	800	0.32%
2007.01	11,902.27	1,649.47	549.82	6.7%	2003-07-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	69.4%	Population	250,900	600	0.24%
2007.02	12,176.70	1,632.28	544.09	6.2%	2003-08-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.3%	Employment rate	69.5%	Population	251,600	700	0.28%
2007.03	12,427.16	1,631.41	543.80	5.9%	2003-09-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.1%	Employment rate	69.7%	Population	252,200	600	0.24%
2007.04	12,622.68	1,646.84	548.95	6.4%	2003-10-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.7%	Employment rate	69.6%	Population	252,800	600	0.24%
2008.01	12,501.50	1,757.50	585.83	6.1%	2003-11-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.8%	Employment rate	69.3%	Population	253,400	600	0.24%
2008.02	12,784.44	1,774.00	591.33	6.6%	2003-12-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.8%	Employment rate	69.1%	Population	254,000	600	0.24%
2008.03	12,981.80	1,775.25	591.75	7.4%	2004-01-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.9%	Employment rate	69.2%	Population	254,500	500	0.20%
2008.04	12,747.01	1,761.25	587.08	6.8%	2004-02-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.8%	Employment rate	69.0%	Population	255,100	600	0.24%
2009.01	12,786.21	1,651.53	550.51	8.0%	2004-03-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.1%	Employment rate	68.3%	Population	255,800	700	0.27%
2009.02	12,941.85	1,639.22	546.41	8.3%	2004-04-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.4%	Employment rate	67.8%	Population	256,400	600	0.23%
2009.03	13,297.05	1,643.84	547.95	8.8%	2004-05-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.5%	Employment rate	67.5%	Population	257,000	600	0.23%
2009.04	13,394.84	1,665.41	555.14	9.5%	2004-06-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.3%	Employment rate	67.8%	Population	257,700	700	0.27%
2010.01	13,169.53	1,778.44	592.81	10.0%	2004-07-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	4.8%	Employment rate	67.2%	Population	258,400	700	0.27%
2010.02	13,316.23	1,804.06	601.35	10.3%	2004-08-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.0%	Employment rate	66.3%	Population	259,100	700	0.27%
2010.03	13,507.28	1,816.81	605.60	9.9%	2004-09-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.3%	Employment rate	65.2%	Population	259,700	600	0.23%
2010.04	13,534.74	1,816.69	605.56	10.1%	2004-10-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.5%	Employment rate	65.0%	Population	260,300	600	0.23%
2011.01	13,709.10	1,767.44	589.15	9.3%	2004-11-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.7%	Employment rate	65.5%	Population	260,800	500	0.19%
2011.02	13,901.04	1,756.06	585.35	8.8%	2004-12-01	Oshawa, Ontario	2011S0503532	Unemployment rate	Estimate	Seasonally adjusted	Percentage	242 units	0	v91446066	22.5.1.1	5.8%	Employment rate	65.9%	Population	261,400	600	0.23%
2011.03	14,173.84	1,746.31	582.10																			

HDD	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	HDD	20 yr trend - 2020	20 yr trend - 2021	10 yr trend - 2020	10 yr trend - 2021
Jan	711	655	547	786.00	828.80	745.50	558.20	573.10	432.80	684.30	699.90	760.90	611.00	615.40	771.30	775.60	624.10	459.50	635.70	755.50	Jan	648.45	647.21	634.12	627.43
Feb	587	587	531	686.50	615.60	589.50	608.80	693.50	317.60	595.30	583.80	634.20	536.20	611.50	690.85	809.40	493.10	428.60	502.20	607.20	Feb	570.50	569.07	540.10	531.08
Mar	445	550	533	572.50	487.10	578.30	534.00	477.90	430.00	442.20	411.00	559.80	399.40	545.00	677.95	611.60	454.80	535.80	564.70	573.20	Mar	546.86	549.50	594.63	605.78
Apr	359	312	336	403.90	345.00	325.30	323.60	280.40	144.60	313.80	244.00	350.80	336.90	366.50	371.30	335.60	334.60	245.60	458.10	353.30	Apr	339.35	340.53	377.90	384.85
May	169	141	235	192.00	177.50	216.10	172.60	72.80	151.00	170.10	121.70	157.70	109.30	133.40	160.50	120.50	126.30	197.90	108.30	208.10	May	137.52	135.66	171.49	176.42
Jun	56	35	45	55.10	73.20	13.70	22.60	6.20	15.50	57.90	19.40	26.70	28.20	42.90	26.90	50.20	28.70	41.10	20.40	50.30	Jun	30.69	30.21	42.79	44.48
Jul	9	18	1	5.70	2.00	2.20	1.70	8.70	1.00	16.80	3.50	0.20	-	4.40	9.60	6.80	0.70	1.10	0.20	-	Jul	1.00	0.65	1.32	1.08
Aug	15	1	4	10.40	19.60	-	4.40	4.00	13.80	13.10	3.20	3.70	4.40	11.00	12.70	4.90	-	16.20	1.80	0.50	Aug	5.18	4.99	5.19	5.08
Sep	109	69	25	55.20	41.70	36.70	70.70	20.10	51.60	64.80	85.50	48.90	84.00	96.60	77.40	37.00	34.60	70.60	62.50	46.70	Sep	59.04	59.01	46.13	42.82
Oct	235	252	274	289.70	235.00	223.80	274.60	101.50	203.10	287.90	247.80	225.30	229.00	221.00	216.30	248.10	194.00	156.00	211.70	211.80	Oct	197.12	194.29	188.32	183.27
Nov	412	339	432	387.60	385.70	398.50	367.50	314.10	268.80	347.40	389.20	349.70	427.90	458.60	407.30	345.60	350.30	322.30	512.90	487.20	Nov	411.92	414.47	442.09	448.82
Dec	741	494	593	548.20	627.50	641.10	471.50	337.80	378.90	619.10	628.70	531.20	451.10	472.80	551.80	415.00	579.40	654.70	595.30	577.30	Dec	528.47	526.86	585.30	592.49
	3,848	3,451	3,555	3,993	3,839	3,771	3,410	2,890	2,409	3,613	3,438	3,649	3,217	3,579	3,974	3,760	3,221	3,129	3,674	3,871		3,476	3,472	3,629	3,644

CDD	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	CDD	20 yr trend - 2020	20 yr trend - 2021	10 yr trend - 2020	10 yr trend - 2021
Jan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Jan	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Feb	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mar	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Apr	-	-	-	-
May	-	2	3	-	-	0.30	12.80	4.50	-	-	23.20	2.80	21.80	3.00	1.30	1.80	16.10	3.40	19.40	-	May	10.45	10.90	4.45	3.58
Jun	14	46	41	31.00	15.60	89.90	36.20	32.80	23.60	26.30	46.60	36.90	64.30	32.20	40.10	13.10	42.40	33.90	25.00	33.90	Jun	34.46	34.28	25.31	23.21
Jul	45	68	131	59.10	69.30	153.00	107.60	41.60	61.40	25.60	124.00	141.20	155.30	110.00	54.60	71.50	128.80	55.00	92.70	135.30	Jul	107.01	108.49	84.64	80.60
Aug	67	120	100	106.50	53.60	108.00	82.10	87.80	29.90	77.70	96.80	80.50	102.80	57.90	58.00	62.00	155.50	26.60	107.90	77.80	Aug	77.05	76.50	80.47	80.08
Sep	23	24	52	12.10	26.70	32.80	5.10	12.30	15.10	9.00	18.50	34.60	24.40	15.70	22.50	48.60	46.10	42.20	47.80	18.30	Sep	34.08	34.80	41.77	43.57
Oct	-	0	5	-	-	0.50	-	-	-	-	-	-	-	3.00	0.50	-	0.30	3.40	1.70	-	Oct	0.93	0.95	1.57	1.69
Nov	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Nov	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Dec	-	-	-	-
	149	261	332	209	165	385	244	179	130	139	309	296	369	222	177	197	389	165	295	265		264	266	238	233

HDD and CDD

Year	HDD	CDD
2010	3,437.7	309.1
2011	3,649.1	296.0
2012	3,217.4	368.6
2013	3,579.1	221.8
2014	3,973.9	177.0
2015	3,760.3	197.0
2016	3,220.6	389.2
2017	3,129.4	164.5
2018	3,673.8	294.5
2019	3,871.1	265.3
2020	3,629.4	238.2
2021	3,643.6	232.7



	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Jan-10	46,964,801	47,822
Feb-10	48,467,266	47,929
Mar-10	44,474,145	47,981
Apr-10	38,255,952	48,073
May-10	33,452,154	48,165
Jun-10	31,846,018	48,234
Jul-10	36,254,179	48,264
Aug-10	44,827,045	48,303
Sep-10	44,782,980	48,348
Oct-10	38,118,288	48,388
Nov-10	35,289,109	48,425
Dec-10	34,244,910	48,460
Jan-11	45,548,074	48,492
Feb-11	47,320,844	48,513
Mar-11	49,556,102	48,584
Apr-11	43,462,201	48,612
May-11	34,986,173	48,687
Jun-11	32,871,092	48,641
Jul-11	35,752,252	48,672
Aug-11	47,336,699	48,705
Sep-11	42,985,684	48,746
Oct-11	35,399,883	48,780
Nov-11	35,056,122	48,812
Dec-11	34,342,708	48,841
Jan-12	44,507,364	48,868
Feb-12	46,211,417	48,878
Mar-12	43,295,338	48,886
Apr-12	36,181,165	48,890
May-12	31,564,371	48,930
Jun-12	33,547,925	48,970
Jul-12	38,898,477	48,983
Aug-12	48,492,174	49,027
Sep-12	45,718,998	49,040
Oct-12	36,478,878	49,081
Nov-12	32,177,448	49,113
Dec-12	36,250,725	49,201
Jan-13	43,239,727	49,228
Feb-13	45,208,585	49,269
Mar-13	47,225,367	49,337
Apr-13	41,850,195	49,429
May-13	37,731,544	49,493
Jun-13	32,044,592	49,529
Jul-13	35,192,077	49,593
Aug-13	45,217,149	49,640
Sep-13	40,545,830	49,706
Oct-13	37,147,018	49,770
Nov-13	30,731,580	49,821
Dec-13	39,184,597	49,831
Jan-14	48,055,145	49,844
Feb-14	52,458,603	49,876
Mar-14	49,417,345	49,940
Apr-14	42,883,964	49,961
May-14	38,466,864	50,032
Jun-14	31,891,061	50,102
Jul-14	35,262,229	50,183
Aug-14	39,782,614	50,251
Sep-14	39,248,944	50,320
Oct-14	36,539,755	50,423
Nov-14	32,699,721	50,530
Dec-14	38,833,074	50,574
Jan-15	43,955,266	50,621
Feb-15	48,907,261	50,699
Mar-15	49,738,338	50,765
Apr-15	41,374,105	50,826
May-15	36,634,919	50,884
Jun-15	31,345,834	50,963
Jul-15	34,423,034	51,084
Aug-15	40,310,569	51,252
Sep-15	44,800,586	51,421
Oct-15	40,080,856	51,569
Nov-15	32,145,042	51,640
Dec-15	35,497,855	51,731
Jan-16	39,526,578	51,765
Feb-16	44,588,671	51,827
Mar-16	43,933,657	51,879
Apr-16	37,970,428	51,935
May-16	36,112,816	52,029
Jun-16	31,480,135	52,105
Jul-16	38,293,087	52,160
Aug-16	46,732,683	52,245
Sep-16	51,691,611	52,336
Oct-16	41,511,735	52,436
Nov-16	31,220,055	52,459
Dec-16	34,429,811	52,499
Jan-17	41,739,660	52,533
Feb-17	44,003,677	52,587
Mar-17	40,355,583	52,661
Apr-17	38,374,595	52,718
May-17	34,493,462	52,827
Jun-17	30,835,910	52,903
Jul-17	34,651,947	52,928
Aug-17	40,161,947	52,985
Sep-17	40,313,638	53,093
Oct-17	37,236,034	53,208
Nov-17	33,896,592	53,287
Dec-17	36,101,360	53,350
Jan-18	30,341,273	53,424
Feb-18	52,423,779	53,477

For Appendix 2-IB:

Year	(before losses) Billed KWH Actual	Weather Normal Factor	Billed KWH Weather Normal
	2015	479,213,665	1.0062
2016	477,491,267	0.9889	472,192,300
2017	452,164,405	1.0363	468,567,199
2018	485,718,955	0.9907	481,189,209
2019	477,327,195	0.9892	472,172,874

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Mar-18	52,266,725	53,600
Apr-18	36,372,732	53,722
May-18	38,583,894	53,813
Jun-18	30,448,285	54,036
Jul-18	37,185,924	54,131
Aug-18	46,610,688	54,249
Sep-18	49,041,033	54,371
Oct-18	42,735,687	54,468
Nov-18	32,460,593	54,548
Dec-18	37,248,342	54,553
Jan-19	40,985,540	54,570
Feb-19	47,153,669	54,580
Mar-19	44,335,033	54,590
Apr-19	37,925,558	54,597
May-19	35,788,033	54,608
Jun-19	31,843,088	54,640
Jul-19	34,036,914	54,680
Aug-19	48,696,903	54,676
Sep-19	47,698,500	54,684
Oct-19	38,050,360	54,717
Nov-19	32,599,045	54,734
Dec-19	38,214,552	54,748
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	4,767,692,028	51,045

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Jan-10	11,522,598	3,899
Feb-10	13,123,101	3,902
Mar-10	11,365,818	3,904
Apr-10	10,954,550	3,905
May-10	10,190,240	3,919
Jun-10	9,777,540	3,923
Jul-10	10,570,916	3,928
Aug-10	11,251,146	3,927
Sep-10	11,729,543	3,943
Oct-10	10,513,628	3,951
Nov-10	10,081,406	3,954
Dec-10	10,201,617	3,961
Jan-11	11,108,115	3,962
Feb-11	13,519,418	3,963
Mar-11	13,897,258	3,966
Apr-11	11,362,813	3,969
May-11	10,258,796	3,974
Jun-11	10,532,456	3,812
Jul-11	11,071,076	3,811
Aug-11	10,992,419	3,810
Sep-11	12,046,598	3,807
Oct-11	10,380,233	3,810
Nov-11	9,987,001	3,811
Dec-11	10,539,695	3,816
Jan-12	9,452,959	3,819
Feb-12	14,357,372	3,835
Mar-12	10,772,984	3,838
Apr-12	11,133,490	3,845
May-12	8,931,520	3,864
Jun-12	8,356,542	3,865
Jul-12	9,843,844	3,864
Aug-12	12,271,242	3,866
Sep-12	12,813,803	3,868
Oct-12	11,998,690	3,870
Nov-12	10,009,126	3,876
Dec-12	11,649,229	3,885
Jan-13	11,710,408	3,896
Feb-13	11,135,515	3,895
Mar-13	12,239,097	3,902
Apr-13	11,909,221	3,913
May-13	10,706,718	3,916
Jun-13	10,139,279	3,914
Jul-13	10,246,768	3,908
Aug-13	11,967,647	3,911
Sep-13	11,151,803	3,914
Oct-13	10,054,279	3,914
Nov-13	10,066,610	3,919
Dec-13	11,054,783	3,924
Jan-14	12,354,311	3,922
Feb-14	13,443,741	3,917
Mar-14	11,985,513	3,919
Apr-14	12,615,272	3,921
May-14	10,327,397	3,927
Jun-14	10,160,622	3,933
Jul-14	10,305,554	3,934
Aug-14	10,932,603	3,945
Sep-14	10,524,907	3,952
Oct-14	10,042,926	3,960
Nov-14	9,975,710	3,973
Dec-14	11,060,526	3,981
Jan-15	11,692,518	3,993
Feb-15	13,488,852	3,993
Mar-15	12,455,720	3,986
Apr-15	12,022,550	3,993
May-15	10,352,272	3,998
Jun-15	9,923,697	4,011
Jul-15	9,916,348	4,021
Aug-15	11,019,138	4,021
Sep-15	10,737,898	4,033
Oct-15	10,506,660	4,052
Nov-15	9,729,256	4,065
Dec-15	10,352,901	4,074
Jan-16	10,870,579	4,082
Feb-16	12,338,469	4,129
Mar-16	11,345,477	4,147
Apr-16	11,422,985	4,159
May-16	10,156,087	4,156
Jun-16	9,963,891	4,153
Jul-16	10,187,434	4,177
Aug-16	11,557,607	4,165
Sep-16	11,989,950	4,177
Oct-16	10,349,614	4,154
Nov-16	9,732,427	4,148
Dec-16	10,135,010	4,150
Jan-17	11,533,625	4,150
Feb-17	11,917,836	4,144
Mar-17	10,619,897	4,150
Apr-17	11,716,279	4,151
May-17	9,845,616	4,160
Jun-17	9,777,889	4,154
Jul-17	9,778,574	4,158
Aug-17	10,847,253	4,157
Sep-17	10,476,684	4,169
Oct-17	10,070,542	4,175
Nov-17	9,532,902	4,189
Dec-17	10,522,448	4,186
Jan-18	12,123,893	4,200

For Appendix 2-IB:

Year	(before losses)	Weather Normal Factor	Billed KWH Weather Normal
	Billed KWH Actual		
2015	132,197,810	1.0062	133,012,802
2016	130,049,530	0.9889	128,606,303
2017	126,639,545	1.0363	131,233,543
2018	132,517,306	0.9907	131,281,468
2019	125,004,589	0.9892	123,654,752

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Feb-18	12,997,253	4,210
Mar-18	11,074,278	4,215
Apr-18	11,387,954	4,218
May-18	10,491,456	4,162
Jun-18	9,813,307	4,160
Jul-18	9,996,967	4,168
Aug-18	11,487,483	4,184
Sep-18	11,905,298	4,221
Oct-18	10,400,711	4,238
Nov-18	10,232,137	4,206
Dec-18	10,606,569	4,210
Jan-19	11,054,824	4,216
Feb-19	12,682,039	4,209
Mar-19	10,962,522	4,202
Apr-19	11,345,131	4,202
May-19	9,664,237	4,196
Jun-19	9,252,508	4,194
Jul-19	9,459,799	4,188
Aug-19	11,385,444	4,187
Sep-19	10,552,253	4,186
Oct-19	9,132,003	4,187
Nov-19	9,067,287	4,184
Dec-19	10,446,542	4,187
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	1,311,088,772	4,024

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Jan-10	36,972,449	508
Feb-10	33,008,442	506
Mar-10	33,147,432	508
Apr-10	29,422,410	509
May-10	25,425,541	509
Jun-10	27,254,989	510
Jul-10	27,961,321	510
Aug-10	29,923,295	512
Sep-10	28,913,713	512
Oct-10	26,962,766	514
Nov-10	27,407,704	515
Dec-10	28,834,162	518
Jan-11	35,867,354	521
Feb-11	34,706,133	522
Mar-11	34,195,997	523
Apr-11	30,758,731	524
May-11	27,997,717	524
Jun-11	26,350,046	520
Jul-11	27,247,765	520
Aug-11	30,637,032	520
Sep-11	28,868,459	520
Oct-11	25,351,951	522
Nov-11	28,367,772	522
Dec-11	29,185,418	523
Jan-12	28,235,023	522
Feb-12	35,079,314	513
Mar-12	30,413,589	512
Apr-12	29,345,737	508
May-12	26,730,719	497
Jun-12	25,449,891	496
Jul-12	28,494,354	495
Aug-12	28,711,488	496
Sep-12	30,540,135	497
Oct-12	24,133,158	499
Nov-12	26,089,243	501
Dec-12	25,119,856	500
Jan-13	34,418,610	501
Feb-13	32,211,539	502
Mar-13	30,830,480	500
Apr-13	29,348,080	500
May-13	25,907,262	499
Jun-13	24,483,469	499
Jul-13	26,137,250	497
Aug-13	27,890,707	497
Sep-13	26,942,611	498
Oct-13	24,270,122	499
Nov-13	27,065,074	500
Dec-13	27,618,464	500
Jan-14	33,854,237	500
Feb-14	32,529,286	502
Mar-14	31,366,719	502
Apr-14	31,958,118	502
May-14	24,352,112	503
Jun-14	25,649,882	504
Jul-14	25,344,904	504
Aug-14	26,211,243	505
Sep-14	26,381,349	504
Oct-14	23,993,234	504
Nov-14	26,707,258	504
Dec-14	28,057,772	505
Jan-15	32,217,752	505
Feb-15	32,535,339	505
Mar-15	33,926,555	506
Apr-15	29,318,167	507
May-15	24,833,182	506
Jun-15	25,010,871	508
Jul-15	24,151,786	508
Aug-15	27,253,392	512
Sep-15	26,501,631	513
Oct-15	25,192,956	516
Nov-15	25,503,262	513
Dec-15	26,905,925	512
Jan-16	28,752,206	514
Feb-16	31,972,288	513
Mar-16	28,455,318	515
Apr-16	30,612,618	516
May-16	25,278,796	514
Jun-16	25,140,214	518
Jul-16	24,561,036	518
Aug-16	29,689,511	520
Sep-16	29,606,432	520
Oct-16	24,879,420	521
Nov-16	25,950,999	521
Dec-16	25,994,246	521
Jan-17	30,674,025	524
Feb-17	32,790,752	523
Mar-17	27,101,528	524
Apr-17	29,090,465	522
May-17	24,184,097	523
Jun-17	25,922,351	525
Jul-17	22,924,904	526
Aug-17	29,524,472	525
Sep-17	25,299,285	525
Oct-17	25,911,446	523
Nov-17	26,695,678	524
Dec-17	27,074,984	524
Jan-18	14,896,747	525
Feb-18	50,672,762	525
Mar-18	26,974,011	527
Apr-18	28,942,258	527

For Appendix 2-1B:

Year	(before losses) Billed KWH Actual	Weather Normal Factor	Billed KWH Weather Normal
	2015	333,350,818	1.0062
2016	330,893,084	0.9889	327,220,993
2017	327,193,987	1.0363	339,063,333
2018	332,346,251	0.9907	329,246,837
2019	324,474,004	0.9892	320,970,237

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
May-18	27,199,962	525
Jun-18	22,926,788	525
Jul-18	26,869,568	525
Aug-18	29,237,958	526
Sep-18	26,197,710	494
Oct-18	25,010,735	480
Nov-18	25,146,512	526
Dec-18	28,271,240	528
Jan-19	29,632,876	530
Feb-19	33,486,378	532
Mar-19	29,055,018	531
Apr-19	29,631,283	532
May-19	24,586,754	534
Jun-19	13,667,645	534
Jul-19	33,969,140	535
Aug-19	28,731,900	536
Sep-19	25,269,678	536
Oct-19	23,453,725	540
Nov-19	23,254,952	540
Dec-19	29,734,655	543
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	3,374,899,032	514

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Jan-10	6,922,167	10
Feb-10	6,769,873	10
Mar-10	6,183,539	10
Apr-10	6,688,111	10
May-10	6,399,287	10
Jun-10	6,643,174	10
Jul-10	6,816,956	10
Aug-10	7,350,724	10
Sep-10	7,400,612	10
Oct-10	6,682,210	10
Nov-10	6,558,043	10
Dec-10	6,368,445	10
Jan-11	6,443,673	10
Feb-11	6,570,423	10
Mar-11	5,927,522	10
Apr-11	6,620,336	10
May-11	6,116,607	10
Jun-11	6,577,568	10
Jul-11	6,856,409	10
Aug-11	7,306,163	10
Sep-11	7,539,867	10
Oct-11	7,091,875	10
Nov-11	6,525,631	10
Dec-11	6,331,942	10
Jan-12	6,179,904	10
Feb-12	6,319,705	10
Mar-12	5,970,171	10
Apr-12	6,499,928	10
May-12	5,793,832	10
Jun-12	6,390,914	10
Jul-12	6,665,317	10
Aug-12	7,277,776	10
Sep-12	7,136,835	10
Oct-12	6,492,045	11
Nov-12	6,332,984	11
Dec-12	5,768,726	11
Jan-13	6,271,283	11
Feb-13	6,472,376	11
Mar-13	5,759,394	11
Apr-13	6,287,655	11
May-13	6,190,002	11
Jun-13	6,529,850	11
Jul-13	6,851,836	11
Aug-13	7,451,969	11
Sep-13	7,376,956	11
Oct-13	6,807,968	11
Nov-13	6,819,877	11
Dec-13	6,357,067	11
Jan-14	6,019,739	11
Feb-14	6,843,927	11
Mar-14	6,410,375	11
Apr-14	6,942,653	11
May-14	5,316,046	11
Jun-14	8,042,268	11
Jul-14	7,197,165	11
Aug-14	7,321,614	11
Sep-14	7,520,343	11
Oct-14	6,484,431	11
Nov-14	7,211,313	11
Dec-14	6,090,472	11
Jan-15	6,144,090	12
Feb-15	6,439,010	12
Mar-15	6,004,526	12
Apr-15	6,558,158	12
May-15	6,206,388	12
Jun-15	6,846,745	12
Jul-15	7,193,243	12
Aug-15	7,493,580	13
Sep-15	7,542,065	13
Oct-15	7,567,579	13
Nov-15	6,744,851	13
Dec-15	6,493,972	13
Jan-16	5,837,569	13
Feb-16	6,590,462	13
Mar-16	6,369,891	13
Apr-16	6,472,207	13
May-16	6,352,606	13
Jun-16	6,739,917	13
Jul-16	7,379,770	13
Aug-16	8,328,262	13
Sep-16	8,616,323	13
Oct-16	7,753,160	13
Nov-16	6,662,892	13
Dec-16	6,192,686	13
Jan-17	6,186,662	13
Feb-17	6,562,708	13
Mar-17	5,878,119	13
Apr-17	6,671,901	13
May-17	6,471,279	12
Jun-17	6,325,049	12
Jul-17	6,821,182	12
Aug-17	7,572,435	13
Sep-17	7,839,875	13
Oct-17	4,571,845	13
Nov-17	9,822,827	13

For Appendix 2-IB:

Year	(before losses)		Weather Normal Factor	Billed KWH Weather Normal
	Billed KWH	Actual		
2015	81,234,207		1.0062	81,735,011
2016	83,295,745		0.9889	82,371,369
2017	80,815,499		1.0363	83,747,176
2018	77,975,782		0.9907	77,248,591
2019	75,700,561		0.9892	74,883,124

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Dec-17	6,091,617	13
Jan-18	5,736,432	13
Feb-18	6,378,943	13
Mar-18	5,641,651	13
Apr-18	6,130,853	13
May-18	6,299,164	13
Jun-18	6,760,015	13
Jul-18	6,475,422	13
Aug-18	6,939,396	13
Sep-18	7,839,466	13
Oct-18	7,131,492	13
Nov-18	6,496,355	13
Dec-18	6,146,593	13
Jan-19	5,878,720	13
Feb-19	6,416,095	13
Mar-19	5,762,808	13
Apr-19	6,255,734	13
May-19	5,818,846	13
Jun-19	6,245,956	13
Jul-19	6,259,535	13
Aug-19	7,784,003	13
Sep-19	7,354,484	13
Oct-19	6,417,365	12
Nov-19	3,710,374	12
Dec-19	7,796,641	12
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	797,117,667	12

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Jan-10	2,338,497	1
Feb-10	2,504,282	1
Mar-10	2,178,313	1
Apr-10	2,685,540	1
May-10	2,719,789	1
Jun-10	2,764,026	1
Jul-10	2,736,535	1
Aug-10	3,218,359	1
Sep-10	3,274,455	1
Oct-10	3,318,812	1
Nov-10	2,858,543	1
Dec-10	2,805,612	1
Jan-11	2,686,101	1
Feb-11	2,882,506	1
Mar-11	2,542,043	1
Apr-11	2,789,869	1
May-11	2,721,007	1
Jun-11	3,001,831	1
Jul-11	3,204,634	1
Aug-11	3,925,006	1
Sep-11	3,836,000	1
Oct-11	3,713,124	1
Nov-11	3,269,758	1
Dec-11	3,168,820	1
Jan-12	2,959,871	1
Feb-12	3,287,020	1
Mar-12	2,969,109	1
Apr-12	3,450,052	1
May-12	3,188,267	1
Jun-12	3,602,012	1
Jul-12	3,485,626	1
Aug-12	3,748,751	1
Sep-12	3,917,950	1
Oct-12	3,658,530	1
Nov-12	3,306,121	1
Dec-12	3,239,428	1
Jan-13	3,277,833	1
Feb-13	3,479,368	1
Mar-13	3,193,324	1
Apr-13	3,548,485	1
May-13	3,540,879	1
Jun-13	3,666,680	1
Jul-13	3,569,231	1
Aug-13	3,684,619	1
Sep-13	3,802,385	1
Oct-13	3,795,973	1
Nov-13	3,374,463	1
Dec-13	3,392,979	1
Jan-14	3,344,486	1
Feb-14	3,641,313	1
Mar-14	3,195,183	1
Apr-14	3,465,780	1
May-14	3,295,872	1
Jun-14	3,402,507	1
Jul-14	3,555,897	1
Aug-14	3,730,175	1
Sep-14	3,915,106	1
Oct-14	3,925,976	1
Nov-14	3,823,200	1
Dec-14	3,404,940	1
Jan-15	2,940,637	1
Feb-15	3,314,736	1
Mar-15	3,184,545	1
Apr-15	3,527,344	1
May-15	3,280,257	1
Jun-15	3,634,274	1
Jul-15	3,520,239	1
Aug-15	3,908,695	1
Sep-15	3,939,890	1
Oct-15	3,838,758	1
Nov-15	3,434,519	1
Dec-15	3,425,082	1
Jan-16	2,998,276	1
Feb-16	3,219,553	1
Mar-16	3,434,379	1
Apr-16	3,626,630	1
May-16	3,457,351	1
Jun-16	3,401,660	1
Jul-16	3,376,613	1
Aug-16	3,725,738	1
Sep-16	3,660,720	1
Oct-16	3,779,805	1
Nov-16	3,488,997	1
Dec-16	3,268,524	1
Jan-17	3,047,573	1

For Appendix 2-1B:

Year	(before losses)	
	Billed KWH Actual	Billed KWH Weather Normal
2015	41,948,976	1.0062
2016	41,438,246	0.9889
2017	40,954,643	1.0363
2018	41,879,817	0.9907
2019	38,878,939	0.9892

	<u>Billed (Before LF)</u>	<u>Number of Customers</u>
Feb-17	3,444,792	1
Mar-17	2,936,789	1
Apr-17	3,480,723	1
May-17	3,133,497	1
Jun-17	3,410,822	1
Jul-17	3,477,106	1
Aug-17	3,660,063	1
Sep-17	3,764,711	1
Oct-17	3,695,969	1
Nov-17	3,695,969	1
Dec-17	3,206,629	1
Jan-18	3,339,361	1
Feb-18	3,339,361	1
Mar-18	3,122,641	1
Apr-18	3,446,025	1
May-18	3,150,407	1
Jun-18	3,490,779	1
Jul-18	3,284,135	1
Aug-18	3,657,365	1
Sep-18	4,139,517	1
Oct-18	3,958,650	1
Nov-18	3,599,518	1
Dec-18	3,352,059	1
Jan-19	3,062,928	1
Feb-19	3,378,327	1
Mar-19	2,869,416	1
Apr-19	3,277,289	1
May-19	3,121,743	1
Jun-19	3,168,132	1
Jul-19	3,178,391	1
Aug-19	3,473,789	1
Sep-19	3,557,626	1
Oct-19	3,308,038	1
Nov-19	3,241,630	1
Dec-19	3,241,630	1
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21	402,083,474	1

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Jan-10	1,093,374	11,946
Feb-10	1,080,449	12,017
Mar-10	899,210	12,051
Apr-10	912,185	12,098
May-10	782,329	12,098
Jun-10	718,278	12,098
Jul-10	647,002	12,098
Aug-10	685,217	12,098
Sep-10	772,567	12,098
Oct-10	839,069	12,098
Nov-10	972,883	12,098
Dec-10	1,025,341	12,109
Jan-11	1,116,655	12,109
Feb-11	1,100,542	12,109
Mar-11	874,357	12,129
Apr-11	904,402	12,132
May-11	770,615	12,132
Jun-11	696,486	12,132
Jul-11	10,638	12,132
Aug-11	11,607	12,132
Sep-11	2,007,578	12,137
Oct-11	11,571	12,137
Nov-11	1,744,221	12,146
Dec-11	1,004,345	12,146
Jan-12	1,086,581	12,154
Feb-12	1,074,749	12,209
Mar-12	918,424	12,209
Apr-12	894,097	12,209
May-12	760,348	12,209
Jun-12	695,893	12,209
Jul-12	621,732	12,214
Aug-12	660,418	12,231
Sep-12	749,678	12,231
Oct-12	813,505	12,231
Nov-12	952,553	12,275
Dec-12	911,730	12,280
Jan-13	991,686	12,280
Feb-13	974,438	12,287
Mar-13	807,431	12,287
Apr-13	811,467	12,287
May-13	688,329	12,287
Jun-13	631,632	12,287
Jul-13	563,926	12,361
Aug-13	603,382	12,361
Sep-13	617,200	12,367
Oct-13	613,482	12,375
Nov-13	863,651	12,375
Dec-13	915,660	12,385
Jan-14	994,940	12,385
Feb-14	980,089	12,385
Mar-14	811,042	12,385
Apr-14	814,906	12,424
May-14	695,472	12,458
Jun-14	8,808	12,458
Jul-14	1,196,582	12,511
Aug-14	607,957	12,511
Sep-14	624,468	12,511
Oct-14	620,856	12,511
Nov-14	874,002	12,511
Dec-14	926,753	12,544
Jan-15	1,007,125	12,547
Feb-15	993,355	12,547
Mar-15	822,357	12,547
Apr-15	826,204	12,548
May-15	701,718	12,639
Jun-15	641,823	12,647
Jul-15	577,012	12,647
Aug-15	615,493	12,670
Sep-15	632,454	12,670
Oct-15	629,841	12,884
Nov-15	896,881	12,884
Dec-15	958,500	12,884
Jan-16	1,041,857	12,884
Feb-16	1,024,739	12,885
Mar-16	878,356	12,890
Apr-16	852,242	12,890
May-16	725,366	12,892
Jun-16	662,814	12,963
Jul-16	588,682	12,993
Aug-16	613,221	12,993
Sep-16	644,083	12,993
Oct-16	637,087	13,019
Nov-16	883,949	13,031
Dec-16	938,255	13,031
Jan-17	1,020,510	13,031
Feb-17	700,817	13,031
Mar-17	499,261	13,031
Apr-17	485,345	13,031
May-17	364,931	13,031
Jun-17	382,054	13,031
Jul-17	340,918	13,031
Aug-17	362,219	13,031
Sep-17	7,740	13,031
Oct-17	-460,413	13,566
Nov-17	972,563	13,605

For Appendix 2-IB:

Year	(before losses)	Weather Normal Factor	Billed KWH Weather Normal
	Billed KWH Actual		
2015	9,302,763	1.0062	9,360,114
2016	9,490,651	0.9889	9,385,328
2017	5,107,520	1.0363	5,292,801
2018	4,336,239	0.9907	4,295,800
2019	4,410,847	0.9892	4,363,217

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Dec-17	431,575	13,605
Jan-18	468,023	13,605
Feb-18	461,250	13,605
Mar-18	385,254	13,838
Apr-18	389,678	13,838
May-18	331,345	13,838
Jun-18	286,498	13,838
Jul-18	275,651	13,895
Aug-18	293,862	13,895
Sep-18	282,412	13,895
Oct-18	299,645	13,895
Nov-18	414,852	13,895
Dec-18	447,769	13,895
Jan-19	480,205	13,895
Feb-19	475,412	13,895
Mar-19	393,038	13,895
Apr-19	393,633	13,895
May-19	335,788	13,895
Jun-19	307,168	13,959
Jul-19	274,889	13,959
Aug-19	7,379	13,959
Sep-19	583,601	13,964
Oct-19	298,071	13,964
Nov-19	7,000	13,964
Dec-19	854,663	13,964
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
Dec-20		
Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21	81,706,808	12,779

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Jan-10	3,230	30
Feb-10	3,077	30
Mar-10	2,950	30
Apr-10	2,774	30
May-10	2,852	30
Jun-10	2,620	30
Jul-10	2,606	30
Aug-10	3,088	30
Sep-10	3,115	30
Oct-10	2,602	30
Nov-10	2,954	30
Dec-10	2,286	30
Jan-11	3,019	29
Feb-11	3,002	29
Mar-11	3,017	29
Apr-11	2,774	29
May-11	2,456	29
Jun-11	3,013	29
Jul-11	2,711	29
Aug-11	2,565	29
Sep-11	2,658	29
Oct-11	2,806	29
Nov-11	2,398	29
Dec-11	3,021	29
Jan-12	2,285	26
Feb-12	2,921	26
Mar-12	2,435	26
Apr-12	2,593	26
May-12	2,379	26
Jun-12	2,487	26
Jul-12	2,418	26
Aug-12	2,416	26
Sep-12	2,339	26
Oct-12	2,801	26
Nov-12	2,471	26
Dec-12	2,371	26
Jan-13	2,417	26
Feb-13	2,437	26
Mar-13	2,315	26
Apr-13	2,414	26
May-13	2,409	26
Jun-13	2,454	26
Jul-13	2,457	26
Aug-13	2,366	26
Sep-13	2,370	26
Oct-13	2,368	26
Nov-13	2,438	26
Dec-13	2,451	26
Jan-14	2,580	26
Feb-14	2,504	26
Mar-14	2,246	26
Apr-14	2,328	26
May-14	2,349	26
Jun-14	2,381	26
Jul-14	2,346	26
Aug-14	2,384	26
Sep-14	2,395	26
Oct-14	2,362	26
Nov-14	2,369	26
Dec-14	2,361	26
Jan-15	2,376	25
Feb-15	2,413	25
Mar-15	2,243	25
Apr-15	2,322	25
May-15	2,324	25
Jun-15	2,304	25
Jul-15	2,279	25
Aug-15	2,304	25
Sep-15	2,329	25
Oct-15	2,279	25
Nov-15	2,239	25
Dec-15	2,134	25
Jan-16	2,218	23
Feb-16	2,180	23
Mar-16	2,089	23
Apr-16	2,131	23
May-16	2,134	23
Jun-16	2,155	23
Jul-16	2,134	23
Aug-16	2,155	23
Sep-16	2,180	23
Oct-16	2,134	23
Nov-16	2,155	23
Dec-16	2,134	23
Jan-17	2,155	23

For Appendix 2-IB:

(before losses)		Weather Normal	Billed KWH
Year	Billed KWH	Factor	Weather Normal
2015	27,547	1.0062	27,717
2016	25,800	0.9889	25,514
2017	25,668	1.0363	26,599
2018	25,643	0.9907	25,404
2019	25,690	0.9892	25,412

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Feb-17	2,180	23
Mar-17	2,043	23
Apr-17	2,106	23
May-17	2,134	23
Jun-17	2,155	23
Jul-17	2,217	23
Aug-17	2,073	23
Sep-17	2,155	23
Oct-17	2,159	23
Nov-17	2,155	23
Dec-17	2,134	23
Jan-18	2,155	23
Feb-18	2,180	23
Mar-18	2,043	23
Apr-18	2,081	23
May-18	2,134	23
Jun-18	2,155	23
Jul-18	2,134	23
Aug-18	2,155	23
Sep-18	2,180	23
Oct-18	2,134	23
Nov-18	2,155	23
Dec-18	2,134	23
Jan-19	2,160	23
Feb-19	2,200	23
Mar-19	2,043	23
Apr-19	2,081	23
May-19	2,134	23
Jun-19	2,120	23
Jul-19	2,134	23
Aug-19	2,155	23
Sep-19	2,192	23
Oct-19	2,175	23
Nov-19	2,155	23
Dec-19	2,139	23
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
Aug-20		
Sep-20		
Oct-20		
Nov-20		
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Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	285,355	25

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Jan-10	238,905	308
Feb-10	252,955	308
Mar-10	240,843	306
Apr-10	232,500	306
May-10	246,046	306
Jun-10	232,443	306
Jul-10	232,567	306
Aug-10	231,873	306
Sep-10	231,868	306
Oct-10	230,332	307
Nov-10	230,599	309
Dec-10	230,570	309
Jan-11	231,111	309
Feb-11	231,111	309
Mar-11	231,111	310
Apr-11	231,060	310
May-11	231,231	310
Jun-11	231,231	297
Jul-11	231,231	296
Aug-11	229,875	296
Sep-11	229,977	295
Oct-11	229,977	295
Nov-11	231,136	295
Dec-11	229,977	296
Jan-12	230,082	297
Feb-12	230,313	297
Mar-12	230,313	297
Apr-12	229,486	297
May-12	229,819	297
Jun-12	207,283	297
Jul-12	252,595	297
Aug-12	230,561	296
Sep-12	229,887	296
Oct-12	229,885	296
Nov-12	209,602	296
Dec-12	235,875	295
Jan-13	228,723	295
Feb-13	229,299	295
Mar-13	228,445	295
Apr-13	239,530	295
May-13	228,536	295
Jun-13	228,542	295
Jul-13	228,399	295
Aug-13	228,399	295
Sep-13	228,559	296
Oct-13	228,026	296
Nov-13	227,979	295
Dec-13	227,979	295
Jan-14	227,979	295
Feb-14	227,979	295
Mar-14	228,084	295
Apr-14	228,063	295
May-14	228,049	294
Jun-14	227,711	294
Jul-14	227,593	295
Aug-14	227,669	295
Sep-14	226,353	295
Oct-14	226,216	295
Nov-14	226,299	295
Dec-14	209,224	296
Jan-15	210,890	296
Feb-15	210,684	296
Mar-15	207,365	291
Apr-15	207,328	286
May-15	206,439	286
Jun-15	187,360	296
Jul-15	238,961	285
Aug-15	208,358	287
Sep-15	206,997	290
Oct-15	209,088	272
Nov-15	210,167	272
Dec-15	208,593	273
Jan-16	208,007	274
Feb-16	208,430	274
Mar-16	209,113	274
Apr-16	208,700	274
May-16	190,897	274
Jun-16	227,545	274
Jul-16	208,073	274
Aug-16	207,379	275
Sep-16	207,738	275
Oct-16	208,307	275
Nov-16	208,072	274
Dec-16	208,321	274
Jan-17	208,649	273
Feb-17	208,608	272
Mar-17	208,298	274
Apr-17	208,531	274
May-17	209,134	274
Jun-17	209,247	274
Jul-17	208,939	274
Aug-17	208,939	274
Sep-17	209,882	275
Oct-17	209,432	275
Nov-17	209,644	275
Dec-17	209,644	275
Jan-18	209,773	275

For Appendix 2-IB:

Year	(before losses)	Weather Normal Factor	Billed KWH Weather Normal
	Billed KWH Actual		
2015	2,512,230	1.0062	2,527,718
2016	2,500,582	0.9889	2,472,832
2017	2,508,947	1.0363	2,599,962
2018	2,522,383	0.9907	2,498,860
2019	2,549,944	0.9892	2,522,409

	<u>Billed (Before LF)</u>	<u>Number of Connections</u>
Feb-18	209,837	275
Mar-18	209,837	275
Apr-18	209,837	275
May-18	209,837	275
Jun-18	68,978	276
Jul-18	352,139	276
Aug-18	210,418	276
Sep-18	210,418	277
Oct-18	210,418	277
Nov-18	210,615	277
Dec-18	210,276	277
Jan-19	210,276	277
Feb-19	210,484	277
Mar-19	211,680	277
Apr-19	212,935	277
May-19	213,698	277
Jun-19	212,420	277
Jul-19	213,466	277
Aug-19	213,466	278
Sep-19	214,078	279
Oct-19	213,068	279
Nov-19	212,214	279
Dec-19	212,159	279
Jan-20		
Feb-20		
Mar-20		
Apr-20		
May-20		
Jun-20		
Jul-20		
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Jan-21		
Feb-21		
Mar-21		
Apr-21		
May-21		
Jun-21		
Jul-21		
Aug-21		
Sep-21		
Oct-21		
Nov-21		
Dec-21		
	26,403,951	288