

Alectra Utilities - Annual Energy Consumption & Emissions

		2016		2017		2018		2019		2020		2021		2022	
	Energy/Utility Use	Consumption	tCO ₂ e	Consumption	tCO ₂ e	Consumption	tCO ₂ e	Consumption	tCO ₂ e	Consumption	tCO ₂ e	Consumption	tCO ₂ e	Consumption	tCO ₂ e
Scope 1	Fleet Diesel (L)	1,446,480	3,940	1,358,165	3,699	1,302,998	3,549	1,210,924	3,298	1,001,690	2,728	1,093,464	2,978	1,044,642	2,845
	Fleet Gasoline (L)	877,211	2,033	845,379	1,959	841,828	1,951	818,061	1,895	692,547	1,605	807,664	1,871	780,418	1,808
	Natural Gas (m ³)*	961,477	1,851	987,310	1,902	980,526	1,894	888,243	1,715	739,151	1,428	772,982	1,493	888,043	1,715
	SF ₆ (kg)	45	1,076	40	940	35	830	4	92	32	747	24	564	7	165
Scope 2	Electricity (kWh)	18,042,058	659	17,029,031	296	16,779,934	461	17,154,581	454	16,139,936	410	15,161,049	386	15,482,913	394
	District Cooling (MWh)	0	0	240	10	616	12	693	26	904	11	880	12	837	10
	District Heating (MWh)	0	0	295	66	1,570	351	1,785	398	1,383	306	1,516	335	1,779	395
Energy Use (GJ) ¹		100,757		99,995		104,791		103,754		93,863		91,993		98,230	
Scope 1 - Total GHG Emissions			8,899		8,500		8,223		7,001		6,508		6,906		6,533
Scope 2 - Total GHG Emissions			659		371		824		878		727		732		799
% reduction compared to 2016 baseline			0%		7%		5%		18%		24%		20%		23%
Distribution Losses (kWh)		822,971,148	29,627	842,827,478	14,328	828,317,155	24,021	880,333,110	25,530	876,979,391	25,432	873,452,131	22,215	862,606,960	21,939
Water (m ³)		34,534		33,333		30,009		28,204		27,696		25,418		25,940	

* The associated air emissions are estimated to be:

	2016	2017	2018	2019	2020	2021	2022
VOC Emissions (Metric Tonnes)	0.085	0.087	0.086	0.078	0.065	0.068	0.078
NO ₂ Emissions (Metric Tonnes)	1.540	1.582	1.571	1.423	1.184	1.238	1.423
SO ₂ Emissions (Metric Tonnes)	0.009	0.009	0.009	0.009	0.007	0.007	0.009
PM _{Total} Emissions (Metric Tonnes)	0.117	0.120	0.119	0.108	0.090	0.094	0.108

Notes:

¹ Total direct and indirect energy used. Applies to all owned and leased premises, and includes any self-generation.

tCO₂e - Metric tonnes (t) of carbon dioxide (CO₂) equivalent (e)

L - Litre

m³ - Cubic metre

kg - Kilogram

kWh - Kilowatt hour

MWh - Megawatt hour

GJ - Gigajoule

% - Percent

VOC - Volatile organic compounds

NO₂ - Nitrogen dioxide

SO₂ - Sulfur dioxide

PM_{Total} - Total particulate matter