

Alectra Utilities - Annual Energy Consumption & Emissions

Environmental	Units	2016	2017	2018	2019	2020	2021	2022	2023
<b>GHG Emissions</b>									
Scope 1 Emissions	tCO <sub>2</sub> e	8,889	8,505	8,230	7,011	6,469	6,918	6,565	9,717
Scope 2 Emissions	tCO <sub>2</sub> e	659	369	819	873	722	773	799	809
Total GHG Emissions	tCO <sub>2</sub> e	9,548	8,873	9,049	7,884	7,191	7,691	7,364	10,526
% reduction compared to 2016 baseline	%	0%	7%	5%	17%	25%	19%	23%	-10%
<b>GHG Emissions by Source</b>									
Facilities	tCO <sub>2</sub> e	2,518	2,275	2,720	2,599	2,111	2,272	2,506	2,481
Fleet	tCO <sub>2</sub> e	5,972	5,658	5,499	5,194	4,333	4,855	4,693	4,574
Grid	tCO <sub>2</sub> e	1,058	940	830	92	747	564	165	3,471
<b>Energy</b>									
Energy Use <sup>1</sup>	GJ	100,913	100,090	104,929	103,957	93,123	92,116	98,390	98,073
Line Losses	kWh	822,971,148	842,827,478	828,317,155	880,333,111	876,979,391	873,452,131	862,771,950	837,784,141
Line Losses	tCO <sub>2</sub> e	30,052	14,646	22,746	23,294	22,304	24,859	24,555	23,844
<b>Air Quality<sup>2</sup></b>									
VOC Emissions	Metric Tonnes	0.085	0.087	0.087	0.079	0.063	0.068	0.079	0.078
NO <sub>2</sub> Emissions	Metric Tonnes	1.547	1.586	1.577	1.432	1.152	1.243	1.429	1.416
SO <sub>2</sub> Emissions	Metric Tonnes	0.009	0.010	0.009	0.009	0.007	0.007	0.009	0.008
PM <sub>Total</sub> Emissions	Metric Tonnes	0.118	0.121	0.120	0.109	0.088	0.095	0.109	0.108
<b>Water Management</b>									
Water Consumption	m <sup>3</sup>	35,123	32,712	30,063	28,518	27,696	25,418	25,940	25,472

Notes:

<sup>1</sup> Total direct and indirect energy used. Applies to all owned and leased premises under operational control, including any self-generation.

<sup>2</sup> Air quality data limited to air emissions from facilities.

tCO<sub>2</sub>e - Metric tonnes (t) of carbon dioxide (CO<sub>2</sub>) equivalent (e)

m<sup>3</sup> - Cubic metre

kWh - Kilowatt hour

GJ - Gigajoule

% - Percent

VOC - Volatile organic compounds

NO<sub>2</sub> - Nitrogen dioxide

SO<sub>2</sub> - Sulfur dioxide

PM<sub>Total</sub> - Total particulate matter