

2020 Corporate Energy and Emissions Inventory

	Electricity Use (kWh)	Electricity Use (GJ)	Electricity Emissions (tCO2e)	Electricity Expenditure (\$)	Natural Gas Use (GJ)	Natural Gas Emissions (tCO2e)	Natural Gas Expenditure (\$)	Propane Use (L)	Propane Use (GJ)	Propane Emissions (tCO2e)	Propane Expenditure (\$)
Municipal Buildings	2,939,874	10,583	1,835	\$ 446,166	23,750	1,199	\$ 154,878	3,305	84	5	\$ 2,795
Airport	83,073	299	52	\$ 15,967	-	-	\$ -	3,305	84	5	\$ 2,795
Amenities	73,370	264	46	\$ 15,959	-	-	\$ -				
Public Works Building and Shop	39,617	143	25	\$ 6,062	672	34	\$ 4,704				
Town Office Complex	257,143	926	161	\$ 34,288	1,651	83	\$ 10,926				
Ford Building	1,211	4	1	\$ 1,255	352	18	\$ 2,792				
West Yard Storage	21,234	76	13	\$ 3,849	404	20	\$ 3,093				
Outdoor Ice Rink	11,017	40	7	\$ 2,424	79	4	\$ 1,154				
Clean Energy Technology Centre	295,860	1,065	185	\$ 55,924	2,553	129	\$ 16,458				
Park Valley Pool	351,528	1,266	219	\$ 42,461	4,014	203	\$ 26,251				
Omniplex Arena	1,360,178	4,897	849	\$ 177,015	9,620	485	\$ 57,508				
Early Childhood Development Centre	36,988	133	23	\$ 7,762	356	18	\$ 2,825				
MacKenzie Conference Centre	163,344	588	102	\$ 31,224	1,432	72	\$ 9,333				
Historical Society Museum	7,311	26	5	\$ 2,024	397	20	\$ 3,048				
Rotary Park Building	2,488	9	2	\$ 1,365	334	17	\$ 2,677				
Elanor Pick-Up Arts Centre	69,887	252	44	\$ 11,108	344	17	\$ 2,742				
Splash Park	15,589	56	10	\$ 2,864	-	-	\$ -				
Cause for Critters	23,457	84	15	\$ 5,016	472	24	\$ 3,508				
RV Park	115,616	416	72	\$ 22,231	105	5	\$ 1,318				
Affordable Housing Program	10,964	39	7	\$ 7,368	965	49	\$ 6,541				
Lights	481,819	1,734	301	\$ 572,758							
Park Lights	15,032	54	9	\$ 8,537							
Street Lights	403,471	1,452	252	\$ 541,270							
Traffic Lights	63,316	228	40	\$ 22,951							
Water Treatment	1,726,884	6,217	1,078	\$ 326,172	4,446	224	\$ 29,136				
Old Water Treatment Plant	62,338	224	39	\$ 32,974	377	19	\$ 2,966				
New Water Treatment Plant	828,056	2,981	517	\$ 154,026	3,765	190	\$ 23,647				
Water Reservoirs	223,546	805	140	\$ 34,483	304	15	\$ 2,523				
Raw Water Pumping Station	612,944	2,207	383	\$ 104,689	-	-	\$ -				
Wastewater Treatment	1,182,028	4,256	738	\$ 154,838	269	14	\$ 3,397				
Lab	-	-	-	\$ -	104	5	\$ 1,188				
Brazeau Business Park Lift Station	5,284	19	3	\$ 2,910	-	-	\$ -				
Sewer Blower Building	904,202	3,255	564	\$ 115,467	-	-	\$ -				
Sewer Plant UV	269,603	971	168	\$ 33,726	165	8	\$ 1,524				
Sewer WWTF Outfall	-	-	-	\$ 1,145	-	-	\$ -				
Lift Station Greenfield Subdivision	2,940	11	2	\$ 1,590	-	-	\$ 685				

	Diesel Use (L)	Diesel Use (GJ)	Diesel Emissions (tCO2e)	Diesel Expenditure (\$)	Ethanol (E10) Use (L)	Ethanol (E10) Use (GJ)	Ethanol (E10) Emissions (tCO2e)	Ethanol (E10) Expenditure (\$)
Fleet	56,006	2,147	152	\$ 49,655	44,086	1,494	67	\$ 40,189
Firehall	7,083	272	19	\$ 6,298	4,189	142	6	\$ 3,813
Omniplex	-	-	-	\$ -	263	9	0	\$ 225
Town Office	-	-	-	\$ -	5,157	175	8	\$ 4,741
Water Treatment	2,916	112	8	\$ 2,429	6,275	213	9	\$ 5,714
Public Works	36,916	1,414	100	\$ 32,858	11,727	397	18	\$ 10,641
Parks	9,092	349	25	\$ 8,070	16,476	558	25	\$ 15,055

The municipal fleet fuel use does not include fuel used by contractors, staff and Council using their own vehicles for municipal operations.

	Electricity Use (kWh)	Electricity Use (GJ)	Electricity Emissions (tCO2e)	Natural Gas Use (GJ)	Natural Gas Emissions (tCO2e)	Diesel Use (L)	Diesel Use (GJ)	Diesel Emissions (tCO2e)	Solid Waste (tonnes)	Solid Waste Emissions (tCO2e)	Solid Waste Expenditure (\$)
Waste Management											
Aspen Waste Management	30,391	109	19	458	23	30,618	1,173	82	15,662	35,240	\$ 242,088

Energy use for waste management estimated based on 2018 data.

Town of Drayton Valley	2020
Total Corporate Energy Use (GJ)	56,720
Total Corporate Emissions (tCO2e)	40,975
Total Corporate Expenditure (\$)	2,022,072

2020 Community Energy and Emissions Inventory

	Electricity Use (kWh)	Electricity Use (GJ)	Electricity Emissions (tCO2e)	Natural Gas Use (GJ)	Natural Gas Emissions (tCO2e)	Unspecified Emissions (tCO2e)
Stationary Energy	90,727,992	329,006	57,049	627,970	31,690	2,729
Residential	18,296,508	65,867	11,421	316,499	15,972	-
Non-residential	72,454,837	263,139	45,628	311,471	15,718	-
Unspecified Sources	-	-	-	-	-	2,729

	Gasoline Use (GJ)	Gasoline Emissions (tCO2e)	Diesel Use (GJ)	Diesel Emissions (tCO2e)	Ethanol (E10) Use (GJ)	Ethanol (E10) Emissions (tCO2e)
Transportation	183,604	12,155	151,383	10,861	631,735	28,135
Cars	78,950	5,227	19,680	1,412	271,646	12,098
Light-duty vehicle	102,818	6,807	25,735	1,846	353,772	15,756
Heavy-duty vehicle	1,836	122	105,968	7,603	6,317	281

	Waste Emissions (tCO2e)
Waste	937
Wastewater	0.6
Composting	937

Drayton Valley	2020
Total Community Energy Use (GJ)	1,923,698
Total Community Emissions (tCO2e)	143,556