



**Township of Zorra Energy Consumption and GHG Emmissions
Totals for 2011 to 2017**

Year	Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Cost (\$)	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
Facility Primary Type: Office											
2011	Township Office	274670 27th Line	475	5.72	Propane	1104.00 L	\$663.55	7761.73	1701.25	3.58	16.34 (ekWh/m2)
					Elect.	46772.00 kWh	\$7,869.04	46772	4491.98	9.46	98.47 (ekWh/m2)
2012	Township Office	274670 27th Line	475	5.72	Propane	736.00 L	\$348.54	5174.49	1134.16	2.39	10.89 (ekWh/m2)
					Elect.	43204.00 kWh	\$7,609.90	43204	4149.31	8.74	90.96 (ekWh/m2)
2013	Township Office	274670 27th Line	475	5.72	Propane	3426.00 L	\$2,055.69	24086.68	5279.41	11.11	50.71 (ekWh/m2)
					Elect.	46015.00 kWh	\$8,065.77	46015	4419.28	9.3	96.87 (ekWh/m2)
2014	Township Office	274670 27th Line	475	5.72	Propane	6731.00 L	\$4,530.72	47322.67	10372.36	21.84	99.63 (ekWh/m2)
					Elect.	28368.00 kWh	\$5,340.14	28368	1150.27	2.42	59.72 (ekWh/m2)
2015	Township Office	274620 27th Line	475	5.72	Propane	5096.00 L	\$2,050.30	35827.71	7852.85	16.53	75.43 (ekWh/m2)
					Elect.	36349.00kWh	\$7,394.31	36349	2762.96	5.82	76.52 (ekWh/m2)
2016	Township office	274620 27th Line	475	5.72	Propane	2948.00 L	\$1,155	20726.08	4542.82	9.56	43.63 (ekWh/m2)
					Elect.	34793.00 kWh	\$8,637.90	34793	1236.82	2.6	73.25 (ekWh/m2)
2017	Township Office	274670 27th Line	475	5.72	Propane	3925.00 L	\$2,185.30	27594.93	6048.36	12.73	58.09 (ekWh/m2)
					Elect.	35238.00 kWh	\$7,461.58	35238	609.55	1.28	74.19 (ekWh/m2)
Facility Primary Type: Fire											
2011	Embro Firehall	90 Union Street	148	0.99	NG	7558.00 m3	\$1,941.43	80324.74	14289.36	96.55	542.73 (ekWh/m2)
					Elect.	26663.00 kWh	\$3,364.90	26663	2560.71	17.3	180.16 (ekWh/m2)
2012	Embro Firehall	90 Union Street	148	0.99	NG	3920.00 m3	\$1,176.20	41660.89	7411.26	50.08	281.49 (ekWh/m2)
					Elect.	21965.00 kWh	\$2,900.50	21965	2109.52	14.25	148.41 (ekWh/m2)
2013	Embro Firehall	90 Union Street	148	0.99	NG	4612.00 m3	\$1,153.29	49015.31	8719.57	58.92	331.18 (ekWh/m2)
					Elect.	23023.00 kWh	\$3,279.76	23023	2211.13	14.94	155.56 (ekWh/m2)
2014	Embro Firehall	90 Union Street	148	0.99	NG	4146.00 m3	\$1,154.36	44062.76	7838.54	52.96	297.72 (ekWh/m2)
					Elect.	24344.00 kWh	\$3,514.64	24344	987.1	6.67	164.49 (ekWh/m2)
2015	Embro Firehall	90 Union Street	148	0.99	NG	5202.00 m3	\$1,603.45	55285.7	9835.04	66.45	373.55 (ekWh/m2)
					Elect.	21748.00 kWh	\$3,339.33	21748	1653.11	11.17	146.95 (ekWh/m2)
2016	embro firehall	90 Union Street	148	0.99	NG	3905.00 m3	\$942.43	41501.47	7382.9	49.88	280.42 (ekWh/m2)
					Propane	21748.00 kWh	\$3,339.33	21748	1653.11	11.17	146.95 (ekWh/m2)
2017	Embro Firehall	90 Union Street	148	0.99	NG	5762.00 m3	\$1,648.07	61237.25	10893.79	73.61	413.77 (ekWh/m2)
					Elect.	19202.00 kWh	\$3,048.39	19202	332.16	2.24	129.74 (ekWh/m2)
2011	Thamesford Storage building	124 Allen Street	199	0.99	NG	2311.00 m3	\$758.43	24560.79	4369.24	21.96	123.42 (ekWh/m2)
					Elect.	19467.00 kWh	\$2,658.89	19467	1869.61	9.4	97.82 (ekWh/m2)
2012	Thamesford Storage building	124 Allen Street	199	0.99	NG	1912.00 m3	\$718.67	20320.31	3614.88	18.17	102.11 (ekWh/m2)
					Elect.	13857.00 kWh	\$1,901.75	13857	1330.83	6.69	69.63 (ekWh/m2)
2013	Thamesford Storage building	124 Allen Street	199	0.99	NG	2476.00 m3	\$729.54	26314.38	4681.19	23.52	132.23 (ekWh/m2)
					Elect.	12866.00 kWh	\$2,099.34	12866	1235.65	6.21	64.65 (ekWh/m2)
2014	Thamesford Storage building	124 Allen Street	199	0.99	NG	2994.00 m3	\$942.74	31819.56	5660.54	28.44	159.90 (ekWh/m2)
					Elect.	20665.00 kWh	\$4,283.75	20665	837.92	4.21	103.84 (ekWh/m2)
2015	Thamesford Storage building	124 Allen Street	199	0.99	NG	3269.00 m3	\$1,068.54	34742.2	6180.46	31.06	174.58 (ekWh/m2)



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Totals for 2011 to 2017**

Year	Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Cost (\$)	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
2016	Thamesford Storage building	124 Allen Street	199	0.99	Elect.	16114.00 kWh	\$2,497.41	16114	1224.86	6.16	80.97 (ekWh/m2)
					NG	2186.00 m3	\$635.14	23232.32	4132.91	20.77	116.75 (ekWh/m2)
2017	Thamesford Storage building	124 Allen Street	199	0.99	Elect.	10101.00 kWh	\$3,304.38	10101	359.07	1.8	50.76 (ekWh/m2)
					NG	822.00 m3	\$361.11	8736.03	1554.1	7.81	43.90 (ekWh/m2)
2011	Uniondale Firehall	962992 Road 96	222	0.99	Elect.	1348.00 m3	\$542.75	14326.24	2548.57	11.48	64.53 (ekWh/m2)
					NG	30544.00 kWh	\$4,901.68	30544	2933.45	13.21	137.59 (ekWh/m2)
2012	Uniondale Firehall	962992 Road 96	222	0.99	Elect.	1577.00 m3	\$681.74	16760	2981.52	13.43	75.50 (ekWh/m2)
					NG	15689.00 kWh	\$2,743.92	15689	1506.77	6.79	70.67 (ekWh/m2)
2013	Uniondale Firehall	962992 Road 96	222	0.99	Elect.	2292.00 m3	\$695.82	24358.86	4333.32	19.52	109.72 (ekWh/m2)
					NG	20576.00 kWh	\$4,222.10	20576	1976.12	8.9	92.68 (ekWh/m2)
2014	Uniondale Firehall	962992 Road 96	222	0.99	Elect.	2915.00 m3	\$914.54	30979.97	5511.18	24.83	139.55 (ekWh/m2)
					NG	12783.00 kWh	\$2,511.63	12783	518.33	2.33	57.58 (ekWh/m2)
2015	Uniondale Firehall	942992 Road 96	222	0.99	Elect.	2237.00 m3	\$807.27	23774.34	4229.33	19.05	107.09 (ekWh/m2)
					NG	16267.00 kWh	\$3,321.05	16267	1236.49	5.57	73.27 (ekWh/m2)
2016	uniondale Firehall	962992 Road 96	222	0.99	Elect.	2095.00 m3	\$623.07	22265.19	3960.86	17.84	100.29 (ekWh/m2)
					NG	14603.00 kWh	\$3,771.40	14603	519.11	2.34	65.78 (ekWh/m2)
2017	Uniondale Firehall	962992 Road 96	222	0.99	Elect.	2487.00 m3	\$873.55	26431.28	4701.99	21.18	119.06 (ekWh/m2)
					NG	14016.00 kWh	\$2,991.98	14016	242.45	1.09	63.14 (ekWh/m2)
2016	Thamesford Firehall	682820 Road 68	891	24	Elect.	17802.00 m3	\$3,385.87	189195.69	33656.94	37.77	212.34 (ekWh/m2)
					NG	44372.00 kWh	\$10,063.11	44372	1577.34	1.77	49.80 (ekWh/m2)
2017	Thamesford Firehall	682820 Road 68	891	24	Elect.	11605.00 m3	\$3,415.40	123335.35	21940.73	24.62	138.42 (ekWh/m2)
					NG	52466.00 kWh	\$10,324.66	52466	907.56	1.02	58.88 (ekWh/m2)
Facility Primary Type: Community Centre											
2011	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	48879.00 m3	\$11,633.74	519475.11	92411.96	32.49	182.66 (ekWh/m2)
					NG	273935.00 kWh	\$0.00	273935	26308.72	9.25	96.32 (ekWh/m2)
2012	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	36353.00 m3	\$8,038.58	386351.58	68729.96	24.17	135.85 (ekWh/m2)
					NG	433604.00 kWh	\$74,236.39	433604	41643.33	14.64	152.46 (ekWh/m2)
2013	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	40267.00 m3	\$8,199.42	427948.7	76129.88	26.77	150.47 (ekWh/m2)
					NG	410823.00 kWh	\$71,432.56	410823	39455.44	13.87	144.45 (ekWh/m2)
2014	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	37392.00 m3	\$9,275.32	397393.84	70694.32	24.86	139.73 (ekWh/m2)
					NG	369300.00 kWh	\$66,432.70	369300	14974.38	5.27	129.85 (ekWh/m2)
2015	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	45527.00 m3	\$10,828.90	483850.8	86074.58	30.27	170.13 (ekWh/m2)
					NG	362240.00 kWh	\$74,302.52	362240	27534.59	9.68	127.37 (ekWh/m2)
2016	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	39488.00 m3	\$7,321.42	419669.66	74657.08	26.25	147.56 (ekWh/m2)
					NG	363008.00 kWh	\$77,755.80	363008	12904.21	4.54	127.64 (ekWh/m2)
2017	Thamesford District Recreation Centre	85 Middleton Street	2844	8	Elect.	43143.00 m3	\$11,155.78	458514.18	81567.32	28.68	161.22 (ekWh/m2)
					NG	445620.00 kWh	\$103,693.99	445620	7708.33	2.71	156.69 (ekWh/m2)



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2011	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	35733.00 m3	\$8,303.38	379762.36	67557.77	20.02	112.52 (ekWh/m2)
					Elect.	510840.00 kWh	\$71,783.72	510840	49061.07	14.54	151.36 (ekWh/m2)
2012	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	28741.00 m3	\$5,796.55	305452.94	54338.51	16.1	90.50 (ekWh/m2)
					Elect.	422357.00 kWh	\$67,784.78	422357	40563.17	12.02	125.14 (ekWh/m2)
2013	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	33446.00 m3	\$6,626.92	355456.63	63233.91	18.74	105.32 (ekWh/m2)
					Elect.	452160.00 kWh	\$73,662.33	452160	43425.45	12.87	133.97 (ekWh/m2)
2014	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	37058.00 m3	\$9,280.50	393844.16	70062.86	20.76	116.69 (ekWh/m2)
					Elect.	473122.00 kWh	\$82,704.83	1054122	42742.54	12.66	312.33 (ekWh/m2)
2015	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	57365.00 m3	\$14,320.80	609662.43	108455.82	32.14	180.64 (ekWh/m2)
					Elect.	463700.00 kWh	\$84,718.96	463700	35246.76	10.44	137.39 (ekWh/m2)
2016	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	30657.00 m3	\$5,644.78	325815.76	57960.95	17.17	96.54 (ekWh/m2)
					Elect.	468850.00 kWh	\$100,508.49	468850	16666.68	4.94	138.92 (ekWh/m2)
2017	Embro Zorra Community Centre	355644 35th line	3375	10.96	NG	31585.00 m3	\$8,038.91	335678.34	59715.45	17.69	99.46 (ekWh/m2)
					Elect.	606551.00 kWh	\$124,099.48	606551	10492.12	3.11	179.72 (ekWh/m2)
Facility Primary Type: Public Works											
2011	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	12134.00 m3	\$2,909.38	128957.45	22940.87	39.49	221.96 (ekWh/m2)
					Elect.	24047.00 kWh	\$3,099.73	24047	2309.47	3.97	41.39 (ekWh/m2)
2012	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	9983.00 m3	\$2,543.69	106097.1	18874.13	32.49	182.61 (ekWh/m2)
					Elect.	13835.00 kWh	\$1,947.76	13835	1328.71	2.29	23.81 (ekWh/m2)
2013	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	13436.00 m3	\$2,848.34	142794.81	25402.46	43.72	245.77 (ekWh/m2)
					Elect.	18625.00 kWh	\$2,772.47	18625	1788.75	3.08	32.06 (ekWh/m2)
2014	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	14172.00 m3	\$3,423.17	150616.86	26793.97	46.12	259.24 (ekWh/m2)
					Elect.	34594.00 kWh	\$5,108.49	34594	1402.72	2.41	59.54 (ekWh/m2)
2015	Embro Public Works Shop	8 Commissioner St W	581	7.72	NG	13945.00 m3	\$3,786.79	148204.35	26364.79	45.38	255.08 (ekWh/m2)
					Elect.	27467.00 kWh	\$4,043.02	27467	2087.82	3.59	47.28 (ekWh/m2)
2016	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	10033.00 m3	\$1,964.07	106628.49	18968.66	32.65	183.53 (ekWh/m2)
					Elect.	32435.00 kWh	\$7,144.97	32435	1153	1.98	55.83 (ekWh/m2)
2017	Embro Public Works Shop	8 Commissioners St W	581	7.72	NG	9786.00 m3	\$2,566.59	104003.43	18501.68	31.84	179.01 (ekWh/m2)
					Elect.	31700.00 kWh	\$4,992.38	31700	548.35	0.94	54.56 (ekWh/m2)
2011	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	8785.00 L	\$9,443.96	94682.77	24028.35	34.33	135.26 (ekWh/m2)
					Elect.	39233.00 kWh	\$6,224.29	39233	3767.94	5.38	56.05 (ekWh/m2)
2012	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	7682.00 L	\$8,098.81	82794.88	21011.47	30.02	118.28 (ekWh/m2)
					Elect.	26382.00 kWh	\$4,441.53	26382	2533.73	3.62	37.69 (ekWh/m2)
2013	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	26261.00 L	\$28,873.41	283035.2	71827.93	102.61	404.34 (ekWh/m2)
					Elect.	11120.00 kWh	\$2,448.59	11120	1067.96	1.53	15.89 (ekWh/m2)
2014	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	17313.00 L	20624.29	186595.65	47353.76	67.65	266.57 (ekWh/m2)
					Elect.	33640.00 kWh	\$6,480.12	33640	1364.03	1.95	48.06 (ekWh/m2)



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2015	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	17238.00 L	18069.49	185787.32	47148.62	67.36	265.41 (ekWh/m2)
					Elect.	34040.00 kWh	\$7,040.08	34040	2587.45	3.7	48.63 (ekWh/m2)
2016	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	14840.00 L	\$14,213.70	159942.21	40589.72	57.99	228.49 (ekWh/m2)
					Elect.	33107.00 kWh	\$8,646.02	33107	1176.89	1.68	47.30 (ekWh/m2)
2017	Kintore Public Works Shop	783036 Road 78	700	7.72	oil 1&2	16365.00 L	\$18,240.23	176378.32	44760.83	63.94	251.97 (ekWh/m2)
					Elect.	38701.00 kWh	\$8,485.06	38701	669.45	0.96	55.29 (ekWh/m2)
Facility Primary Type: Town Hall											
2011	Embro Town Hall	135 Huron Street	228		4 NG	7980.00 m3	\$2,002.90	84809.66	15087.2	66.17	371.97 (ekWh/m2)
					Elect.	21705.00 kWh	\$2,751.87	21705	2084.55	9.14	95.20 (ekWh/m2)
2012	Embro Town Hall	135 Huron Street	228		4 NG	4657.00 m3	\$1,142.28	49493.56	8804.65	38.62	217.08 (ekWh/m2)
					Elect.	15935.00 kWh	\$2,233.33	15935	1530.4	6.71	69.89 (ekWh/m2)
2013	Embro Town Hall	135 Huron Street	228		4 NG	7079.00 m3	\$1,579.02	75234.03	13383.75	58.7	329.97 (ekWh/m2)
					Elect.	9215.00 kWh	\$1,930.33	9215	885.01	3.88	40.42 (ekWh/m2)
2014	Embro Town Hall	135 Huron Street	228		4 NG	6199.00 m3	\$1,657.62	65881.59	11720	51.4	288.95 (ekWh/m2)
					Elect.	17878.00 kWh	\$2,947.76	17878	724.92	3.18	78.41 (ekWh/m2)
2015	Embro Town Hall	135 Huron Street	228		4 NG	5630.00 m3	\$1,577.25	59834.38	10644.23	46.69	262.43 (ekWh/m2)
					Elect.	19677.00 kWh	\$3,215.79	19677	1495.69	6.56	86.30 (ekWh/m2)
2016	Embro Town Hall	135 Huron Street	228		4 NG	4400.00 m3	\$989.55	46762.22	8318.76	36.49	205.10 (ekWh/m2)
					Elect.	12493.00 kWh	\$2,563.35	12493	444.1	1.95	54.79 (ekWh/m2)
2017	Embro Town Hall	135 Huron Street	228		4 NG	4925.00 m3	\$1,463.52	52341.8	9311.34	40.84	229.57 (ekWh/m2)
					Elect.	12143.00 kWh	\$1,395.73	12143	210.05	0.92	53.26 (ekWh/m2)
2011	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	4923.00 L	\$5,546.00	53059	13465.17	67.66	266.63 (ekWh/m2)
					Elect.	9513.00 kWh	\$1,811.73	9513	913.63	4.59	47.80 (ekWh/m2)
2012	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	3259.00 L	\$3,811.25	35124.78	8913.87	44.79	176.51 (ekWh/m2)
					Elect.	8279.00 kWh	\$1,720.60	8279	795.12	4	41.60 (ekWh/m2)
2013	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	4713.00 L	\$5,712.10	50795.66	12890.79	64.78	255.25 (ekWh/m2)
					Elect.	11071.00 kWh	\$2,241.86	11071	1063.26	5.34	55.63 (ekWh/m2)
2014	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	774.00 L	\$970.95	8342	2117.01	10.64	41.92 (ekWh/m2)
					Elect.	9075.00 kWh	\$1,969.71	9075	367.97	1.85	45.60 (ekWh/m2)
2015	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	3322.00 L	\$3,411.02	35803.78	9086.19	45.66	179.92 (ekWh/m2)
					Elect.	9018.00 kWh	\$2,047.81	9018	685.48	3.44	45.32 (ekWh/m2)
2016	Harrington Hall	539 Victoria St	199	2.86	oil 1&2	4069.00 L	\$3,556.74	43854.77	11129.35	55.93	220.38 (ekWh/m2)
					Elect.	8652.00 kWh	\$2,326.64	8652	307.56	1.55	43.48 (ekWh/m2)