

East Ferris Community Center

Electricity [kWh]

with losses

Loss Factor =

1.061

Facility	Year	January			February			March			kWh
		kWh	kW	Cost	kWh	kW	Cost	kWh	kW	Cost	
Community Centre	2017	64,258	130	\$ 9,136	62,847	141	\$ 10,953	57,585	142	\$ 9,539	17,310
	2018	63,073	156	\$ 10,818	65,992	157	\$ 9,519	61,255	144	\$ 9,027	21,917
	2019	61,822	139	\$ 8,847	62,195	141	\$ 10,740	57,926	146	\$ 9,411	23,663
	2020	76,467	166	\$ 11,084	72,637	150	\$ 13,215	39,216	141	\$ 7,761	17,512
	2021	41,423	135	\$ 7,567	26,967	57	\$ 5,044	24,092	56	\$ 3,797	16,716
	2022	36,119	121	\$ 6,597	51,193	124	\$ 8,144	55,154	129	\$ 8,682	36,456

Base or reference period	Averages (2017 to 2019)	63,051	142		63,678	146		58,922	144		20,964
	2022	36,119	121		51,193	124		55,154	129		36,456
		26,933	21		12,485	22		3,768	15		-15,492

Increased consumption to operate amonia plant for an additional month = 15,492 kWh

Average cost per kWh applied from the April invoice = \$ 0.1842 \$/kWh

Additional cost to operate plant an additional month for the curling club = **\$ 2,853.56**

Lighting Retrofit project total savings

Average KW savings with Lighting retrofit = 16.3 kW

Average kWh savings Jan 2022 to April 2022) = 14,395 \$ 0.1842 \$ 2,651 savings per month
\$ 31,818 savings per year

April		May			June			July			August			September	
kW	Cost	kWh	kW	Cost	kWh	kW	Cost	kWh	kW	Cost	kWh	kW	Cost	kWh	kW
46	\$ 2,539	17,277	54	\$ 3,056	16,031	61	\$ 3,309	13,795	60	\$ 2,950	18,557	62	\$ 3,770	77,920	177
52	\$ 3,760	15,916	63	\$ 3,035	14,339	65	\$ 3,509	13,907	62	\$ 2,980	14,161	62	\$ 2,891	73,921	160
54	\$ 3,474	18,453	64	\$ 3,886	16,885	63	\$ 3,507	17,929	65	\$ 4,255	18,403	64	\$ 3,081	74,584	176
44	\$ 3,541	14,937	36	\$ 2,379	7,817	54	\$ 2,287	10,526	49	\$ 2,472	14,728	54	\$ 3,049	13,236	50
43	\$ 2,390	14,164	34	\$ 2,583	11,934	52	\$ 2,963	13,138	49	\$ 2,623	13,620	46	\$ 2,965	20,492	148
130	\$ 6,715	0			0			0			0			0	

	October			November			December			Grand Total			
Cost	kWh	kW	Cost	kWh	kW	Cost	kWh	kW	Cost	kWh/Year	Max kW	\$/Year	aveg \$/kWh
\$ 15,302	98,235	181	\$ 14,890	75,437	165	\$ 12,847	66,552	165	\$ 10,438	585,805	181	\$ 98,730	\$ 0.1685
\$ 11,653	88,569	160	\$ 12,640	75,665	160	\$ 14,375	72,688	146	\$ 12,139	581,404	160	\$ 96,345	\$ 0.1657
\$ 14,286	92,300	182	\$ 20,862	77,059	167	\$ 13,447	89,245	163	\$ 12,957	610,464	182	\$ 108,753	\$ 0.1781
\$ 2,915	66,411	147	\$ 13,843	79,755	165	\$ 13,699	70,469	148	\$ 11,911	483,712	166	\$ 88,157	\$ 0.1823
\$ 5,251	84,567	160	\$ 13,368	63,194	149	\$ 10,156	67,403	154	\$ 9,657	397,712	160	\$ 68,366	\$ 0.1719
	0			0			0			178,922	130	\$ 30,138	\$ 0.1684

93,034	174	76,054	164	76,162	158	592,558	174
	160		149		154		
	14		15		4		