

2018					Old System				New System				kW diff	kWh diff	Yr/Savings	PayBack
Location	Year	Cost	Rebate	Annual Op Hrs	Watts	kW	kWh	Cost/Yr	Watts	kW	kWh	Cost/Yr				
City Hall	2018	\$ 22,551.00	\$ 3,664.00	2656	22940	22.94	60,928.64	\$ 7,260.87	10,725.00	10.725	28,485.60	\$ 3,394.63	12.215	32,443.04	\$ 3,866.24	4.885112 years
Waste Water	2018	\$ 2,632.00	\$ 612.00	2656	2,904.00	2.904	7,713.02	\$ 919.16	864.00	0.864	2,294.78	\$ 273.47	2.04	5,418.24	\$ 645.69	3.128428 years
Waste Water	2018	\$ 1,278.00	\$ 146.24	2656	775.60	0.7756	2,059.99	\$ 245.49	288.00	0.288	764.93	\$ 91.16	0.4876	1,295.07	\$ 154.33	7.333236 years
Waste Water	2018	\$ 330.88	\$ 73.12	2656	387.80	0.3878	1,030.00	\$ 122.74	144.00	0.144	382.46	\$ 45.58	0.2438	647.53	\$ 77.17	3.34031 years
Vogel Field House	2018	\$ 679.35	\$ 64.80	4794	300.00	0.3	1,438.20	\$ 171.39	84.00	0.084	402.70	\$ 47.99	0.216	1,035.50	\$ 123.40	4.980105 years
Material Distribution Center	2018	\$ 1,272.00	\$ 66.60	2656	1,008.00	1.008	2,677.25	\$ 319.05	786.00	0.786	2,087.62	\$ 248.78	0.222	589.63	\$ 70.27	17.1547 years
Airport	2018	\$ 4,490.00	\$ 849.60	2656	5,040.00	5.04	13,386.24	\$ 1,595.24	2,208.00	2.208	5,864.45	\$ 698.87	2.832	7,521.79	\$ 896.37	4.06126 years
Lincoln Park	2018	\$ 1,536.00	\$ 312.00	4380	1,420.00	1.42	6,219.60	\$ 741.19	380.00	0.38	1,664.40	\$ 198.35	1.04	4,555.20	\$ 542.84	2.254795 years
Community Center	2018	\$ 604.25	\$ 63.00	4794	300.00	0.3	1,438.20	\$ 171.39	90.00	0.09	431.46	\$ 51.42	0.21	1,006.74	\$ 119.97	4.511424 years
Civic Center	2018	\$ 2,108.00	\$ 220.50	4794	1,050.00	1.05	5,033.70	\$ 599.87	315.00	0.315	1,510.11	\$ 179.96	0.735	3,523.59	\$ 419.91	4.495051 years
Civic Center	2018	\$ 971.92	\$ 99.00	4794	420.00	0.42	2,013.48	\$ 239.95	90.00	0.09	431.46	\$ 51.42	0.33	1,582.02	\$ 188.53	4.630155 years
Water Dept	2018	\$ 1,626.20	\$ 284.40	2656	1,104.00	1.104	2,932.22	\$ 349.43	156.00	0.156	414.34	\$ 49.38	0.948	2,517.89	\$ 300.06	4.471821 years
Washington Park	2018	\$ 1,536.00	\$ 312.00	4380	1,420.00	1.42	6,219.60	\$ 741.19	380.00	0.38	1,664.40	\$ 198.35	1.04	4,555.20	\$ 542.84	2.254795 years

Total 1Yr Savings	22.56	66,691.44	\$ 7,947.62
3Yr Savings	67.68	200,074.33	\$ 23,842.86
(2019-2021)			

2019					Old System				New System				kW diff	kWh diff	Yr/Savings	PayBack
Location	Year	Cost	Rebate	Annual Op Hrs	Watts	kW	kWh	Cost/Yr	Watts	kW	kWh	Cost/Yr				
City of New Ulm - Recreation Cent	2019	\$ 324.00	\$ 324.00	4794	1,512.00	1.51	7,248.53	863.81	360.00	0.36	1,725.84	205.67	1.15	5,522.69	\$ 658.14	0 years
City of New Ulm - Recreation Cent	2019	\$ 302.75	\$ 302.75	4794	1,514.00	1.51	7,258.12	864.95	390.00	0.39	1,869.66	222.81	1.12	5,388.46	\$ 642.14	0 years
City of New Ulm - Recreation Cent	2019	\$ 314.40	\$ 239.52	4794	1,408.00	1.41	6,749.95	804.39	360.00	0.36	1,725.84	205.67	1.05	5,024.11	\$ 598.72	0.125066 (1.5 months)
City of New Ulm - Civic Center	2019	\$ 4,641.00	\$ 378.00	4794	2,940.00	2.94	14,094.36	1,679.62	1,680.00	1.68	8,053.92	959.79	1.26	6,040.44	\$ 719.84	5.922156 years
												1 Yr Savings	4.58	21,975.70	\$ 2,618.84	
												2 Yr Savings	9.17	43,951.39	\$ 5,237.69	

2020					Old System				New System				kW diff	kWh diff	Yr/Savings	PayBack
Location	Year	Cost	Rebate	Annual Op Hrs	Watts	kW	kWh	Cost/Yr	Watts	kW	kWh	Cost/Yr				
City of New Ulm - Park & Rec - C	2020	\$ 3,136.00	\$ 421.80	4794	2,464.00	2.46	11,812.42	1,407.69	1,058	1.06	5,072.05	604.44	1.41	6,740.36	\$ 803.25	3.379026 years
New Ulm Street Department	2020	\$ 1,348.00	\$ 477.30	2656	3,281.00	3.28	8,714.34	1,038.49	1,690	1.69	4,488.64	534.91	1.59	4,225.70	\$ 503.58	1.729033 years
Waste Water	2020	\$ 2,601.81	\$ -	2656	2494	2.494	6624.064	\$ 789.39	1,290	1.29	3,426.24	408.31	1.20	3,197.82	\$ 381.08	6.82738 years
												1 Yr Savings	4.20	14,163.88	\$ 1,687.91	

					Old System				New System				kW diff	kWh diff	Yr/Savings	PayBack
Location	Year	Cost	Rebate	Annual Op Hrs	Watts	kW	kWh	Cost/Yr	Watts	kW	kWh	Cost/Yr				
Library	2021	\$ 20,240.00	\$ 4,595.40	2841	28,333	28.33	80,494	\$ 9,592.48	13,015	13.015	36,976	\$ 4,406.38	15.318	43,518	\$ 5,186.09	3.016645 Years
Street Dept - Cemetery maintaina	2021	\$ 1,255.00	\$ 730.80	2656	3,726	3.726	9,896	\$ 1,179.34	1,290	1.29	3,426	\$ 408.31	2.436	6,470	\$ 771.03	0.679868 (8 months)

Future 1Yr Savings 17.754 49988.454 \$ 5,957.12