

# Energy Conservation Measures Rewards Tally

**SPECIAL NOTE:** These numbers exclude EV bus fleet operation which is only six months old at the time of this report

<b>2023 Annual Cost Savings</b>	<b>\$ 787,804</b>
<b>2023 Annual Carbon Emissions Avoided</b>	<b>15,910,890 pounds</b>
<b>Annual Power Consumption Avoided</b> Net metered kWh for the period was 63%less; 8,064,342	<b>13,819,969 kilowatt-hours</b>
<b>Annual Natural Gas Consumption Avoided</b>	<b>117,171 therms</b>

<b>Pollution Emissions Disclosure Statement</b> 11.7 lbs.carbon dioxide/therm consumed 1,052 lbs. carbon dioxide / 1000 kWh power generated	<b>Present Energy Costs (at meter)</b>			see note #1 see note #2
	gas	\$ 0.6100	\$/ therm	
	electric	\$ 0.0789	\$/kWh	

## SPECIAL NOTES

- 1 Gas unit cost for calendar year 2023 per therm - \$0.061
- 2 electricity rate all in at the meter for period Jan.23 to Jan.24 was \$0.0789 per kWh

<b>Projects Tally</b>		<b>Annual Savings</b>				
<b>project completion year</b>	<b>Description</b>	<b>kWh</b>	<b>therms</b>	<b>\$ electric</b>	<b>\$ gas</b>	<b>\$ total</b>
2007	Marlowe gym addition lights-convert to fluorescent from metal halide	19,934	0	\$ 1,573	\$ -	\$ 1,573
2009	District-wide gym addition lights-convert to fluorescent from metal halide	223,442	0	\$ 17,630	\$ -	\$ 17,630
2009	Chesak, Martin, Leggee soffit lights -convert to fluorescent from Metal halide	109,777	0	\$ 8,661	\$ -	\$ 8,661
2012	Mackeben - upgrade replacement chiller to premium efficiency unit	64,459	0	\$ 5,086	\$ -	\$ 5,086
2012	Huntley High central chiller replacement to premium efficiency unit	393,232	0	\$ 31,026	\$ -	\$ 31,026
2013	Guaranteed Energy Savings project with CTS including HVAC controls retrofits some interior lighting retrofits and occupancy sensors for lighting control District-wide	3,192,151	88,978	\$ 251,861	\$ 54,276.58	\$ 306,137
2013	Square Barn Road Campus - convert light fixtures on poles to LED from HP sodium	166,424	0	\$ 13,131	\$ -	\$ 13,131
2015	Guaranteed Energy Savings project with PSI including retrofit of over 9,000 lighting fixtures including interior and exterior locations	1,146,925	0	\$ 90,492	\$ -	\$ 90,492
2014	Huntley High Expansion and Renovations Phase 1 - Act on recommendations from the Smart Energy Design Assistance Center for installation of more efficient equipment beyond code requirements including LED lighting interior and exterior, premium efficiency boilers, destratification fans, and added roof insulation	34,052	7,952	\$ 2,687	\$ 4,850.72	\$ 7,537
2015	Huntley High Expansion and Renovations Phase 2 - Act on recommendations from the Smart Energy Design Assistance Center for installation of more efficient equipment beyond code requirements including LED lighting interior and exterior, premium efficiency boiler and chiller, added wall and roof insulation, and premium efficiency windows and doors	133,501	736	\$ 10,533	\$ 448.96	\$ 10,982
2017	Conley Chiller Replacement	227,607	0	\$ 17,958	\$ -	\$ 17,958
2018	Conley and Mackeben retrofit fluorescent fixtures w linear LED	129,887	0	\$ 10,248	\$ -	\$ 10,248
2020	Solar array installations	7,402,610		\$ 210,000	\$ -	\$ 210,000
2020	GES RFP 2020-32 fluorescent to LED conversion - Leggee, Martin, Heinemann & kitchen DCV all eight sites	204,345	9376	\$ 16,123	\$ 5,719.36	\$ 21,842
2020	kitchen demand control ventilation in all eight school kitchens	33,801	10129	\$ 2,667	\$ 6,178.69	\$ 8,846
2020	lighting retrofit - replace 8ft T8 lamped fixtures with LED	4,471	0	\$ 353	\$ -	\$ 353
2021	demand management with Orchestra while upgrading BAS to Niagara 4-monetary savings estimated at <b>\$63,193.00 per year</b> -startup postponed during the pandemic. Start-up began in November 2023 after proper commissioning of controls equipment as completed	NA	0	\$ -	\$ -	\$ -
2022	HHS east gym fluorescent to LED lighting conversion	7,755	0	\$ 612	\$ -	\$ 612
2022	MMS north and south gyms fluorescent to LED lighting conversion	5,175		\$ 408	\$ -	\$ 408
2022	electric hand dryer upgrades to high efficiency - 30 total	66,750		\$ 5,267	\$ -	\$ 5,267
2023	electric hand dryer upgrades to high efficiency - 202 total	126,452	0	\$ 9,977	\$ -	\$ 9,977
2018 to date	replace 1,896 interior recess can lightings with LED light fixtures w in-house staff- completion by 6-30-24	127,220	0	\$ 10,038	\$ -	\$ 10,038