

ECM #	ENERGY CONSERVATION MEASURE	SITE	DESCRIPTION	FINAL COST	ESTIMATED SAVINGS	SIMPLE PAYBACK
1 F	LIGHTING	CITY HALL	Whole Building Lighting Retrofits with Occupancy Sensors	\$34,897	\$4,500	6.02
1 G	LIGHTING	CENTRAL HIGH SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$112,335	\$16,736	4.88
1 GA	LIGHTING	CENTRAL HIGH SCHOOL GYM	HI-Bay Lighting Retrofit	\$12,298	\$2,645	3.74
1 GB	LIGHTING	WEST HIGH SCHOOL GYM	HI-Bay Lighting Retrofit	\$8,848	\$1,763	4.11
1 H	LIGHTING	GOSSLER PARK SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$11,320	\$1,576	5.94
1 ZC	LIGHTING	GOSSLER PARK SCHOOL	Gym Lighting Sensors	\$2,236	\$315	6.15
1 I	LIGHTING	WESTSIDE ARENA	HI-Bay Lighting Retrofit	\$18,816	\$3,495	5.38
1 L	LIGHTING	MAMMOTH ROAD FIRE STATION	Whole Building Lighting Retrofits	\$7,938	\$1,000	7.29
1 M	LIGHTING	MEMORIAL HIGH SCHOOL	Rest Room Lighting Retrofits with Occupancy Sensors	\$23,780	\$2,352	8.57
1 R	LIGHTING	SOUTH WILLOW ST FIRE STATION	Whole Building Lighting Retrofits	\$9,279	\$1,580	5.39
1 P	LIGHTING	RINES CENTER	Whole Building Lighting Retrofits	\$72,467	\$12,210	5.37
1 S	LIGHTING	WATER WORKS ADMINISTRATION BLDG	Whole Building Lighting Retrofits	\$30,125	\$5,455	4.60
1 U	LIGHTING	JEWETT STREET SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$11,320	\$1,576	5.94
1 ZA	LIGHTING	JEWETT STREET SCHOOL	Gym Lighting Sensors	\$2,236	\$315	6.15
1 V	LIGHTING	SMYTH ROAD SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$11,320	\$1,576	5.94
1 ZB	LIGHTING	SMYTH ROAD SCHOOL	Gym Lighting Sensors	\$2,236	\$315	6.15
1 Y	LIGHTING	PARKER VARNEY SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$23,704	\$3,000	6.90
1 W	LIGHTING	CARPENTER LIBRARY	Whole Building Lighting Retrofits with Occupancy Sensors	\$67,000	\$12,785	4.61
1 X	LIGHTING	MCDONOUGH SCHOOL	Hallways & Rest Room Lighting Retrofits with Occupancy Sensors	\$40,262	\$2,942	12.18
1 ZA	LIGHTING	WESTON SCHOOL	Gym Lighting Sensors	\$6,937	\$1,134	5.64
4 K	HVAC EQUIPMENT UPGRADE	MANCHESTER SCHOOL OF TECHNOLOGY	Installed Gas Fired Unit Heaters in Greenhouse	\$14,563	\$3,500	4.16
6 G	BURNER RETROFITS	MCLAUGHLIN SCHOOL	Retrofit Buner Gas Valves and parts of Gas Train to allow Burner to reach High Fire	\$2,968	\$1,460	2.03
7 A	BUILDING ENVELOPE	HALLSVILLE SCHOOL	Weatherstrip 50 Exterior Doors	\$4,830	\$1,204	4.01
7 B	BUILDING ENVELOPE	GOSSLER PARK SCHOOL	Weatherstrip 19 Exterior Doors, Seal 8 Roof Top Vents, Seal 389 Ft Roof & Wall Joints, Air Seal Bulkhead	\$13,349	\$1,888	7.07
7 G	BUILDING ENVELOPE	MEMORIAL HIGH SCHOOL	Weatherstrip 40 Exterior Doors	\$6,440	\$2,737	2.35
7 H	BUILDING ENVELOPE	CENTRAL HIGH SCHOOL	Weatherstrip 100 Exterior Doors, Weatherstrip 3 OH Doors, Seal 13 Relief Vents	\$34,402	\$4,902	6.98
8 K	VFD HYDRONIC CONTROL	HILLSIDE MIDDLE SCHOOL	Convert Constant Volume Hot Water Pumps to Variable Volume	\$10,632	\$3,243	3.28
8 L	VFD HYDRONIC CONTROL	WESTON SCHOOL	Convert Constant Volume Hot Water Pumps to Variable Volume	\$8,934	\$2,411	3.71
9 S	DEMAND CONTROL VENTILATION	BEECH ST SCHOOL	Install a VFD - Modulate Fan Speed based on DCV with CO2 Sensor	\$6,545	\$1,898	3.45
11 AA	OPTIMIZE CONTROLS	GOSSLER SCHOOL	Install new Class Room Sensors for Zone Pump Control	\$5,892	\$1,440	4.09
11 AB	OPTIMIZE CONTROLS	SMYTH ROAD SCHOOL	Install new Class Room Sensors for Zone Pump Control	\$5,892	\$1,440	4.09

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11 AC	OPTIMIZE CONTROLS	GREEN ACRES SCHOOL	Replace Time Clock with Photo Cell for Outside Lighting	\$2,344	\$184	12.74
11 AD	OPTIMIZE CONTROLS	GREEN ACRES SCHOOL	Replace Time Clock with Photo Cell for Outside Lighting	\$2,263	\$146	10.74
11 AE	OPTIMIZE CONTROLS	GREEN ACRES SCHOOL	Upgrade the two H & V Units in the Gym to DDC	\$18,140	\$2,528	7.18
11 AH	OPTIMIZE CONTROLS	PARKSIDE MIDDLE SCHOOL	Reprogram HW System to reset VFDs on Hot Water Pumps in the Unoccupied Mode	\$1,606	\$1,120	1.43
11 AI	OPTIMIZE CONTROLS	CENTRAL HIGH SCHOOL	Install a relay and Reprogram HW Coil Pump to shutdown in the non-Heating & Unoccupied Mode	\$1,849	\$150	15.00
11 AJ	OPTIMIZE CONTROLS	CITY HALL	Motion Sensor Control for Aldermatic Chamber	\$2,866	\$745	3.85
16 G	REDUCE AIR FLOW IN HRUs	JEWETT STREET SCHOOL	Rebalance HRUs 25 to 15 CFM	\$3,076	\$2,005	1.53
16 H	REDUCE AIR FLOW IN HRUs	MEMORIAL HIGH SCHOOL	Rebalance HRUs 25 to 15 CFM	\$6,351	\$5,505	1.15
16 I	REDUCE AIR FLOW IN HRUs	BEECH STREET SCHOOL	Rebalance HRUs 25 to 15 CFM	\$1,463	\$1,240	1.18
16 J	REDUCE AIR FLOW IN HRUs	MCDONOUGH SCHOOL	Rebalance HRUs 25 to 15 CFM	\$3,529	\$1,708	2.07
16 K	REDUCE AIR FLOW IN HRUs	CITY HALL	Rebalance HRUs 25 to 15 CFM	\$8,139	\$6,300	1.89
17 C	KITCHEN WALK IN REFRIG CONTROLS	CENTRAL HIGH SCHOOL	Install Operational Controllers for Walk In Cooler & Freezer	\$5,631	\$752	5.39
17 D	KITCHEN WALK IN REFRIG CONTROLS	HILLSIDE MIDDLE SCHOOL	Install Operational Controllers for Walk In Cooler & Freezer	\$5,631	\$798	5.08
17 E	KITCHEN WALK IN REFRIG CONTROLS	MCLAUGHLIN MIDDLE SCHOOL	Install Operational Controllers for Walk In Cooler & Freezer	\$12,144	\$1,725	5.07
17 F	KITCHEN WALK IN REFRIG CONTROLS	PARKSIDE MIDDLE SCHOOL	Install Operational Controllers for Walk In Cooler & Freezer	\$5,631	\$802	5.05
17 G	KITCHEN WALK IN REFRIG CONTROLS	MEMORIAL HIGH SCHOOL	Install Operational Controllers for Walk In Cooler & Freezer	\$5,250	\$790	4.78
<b>TOTALS</b>				<b>\$709,714</b>	<b>\$129,891</b>	<b>5.33</b>