



LGEA Presentation

Plainfield Board of Education

January 3, 2023



New Jersey's
Clean Energy Program

Lighting the way to New Jersey's Clean Energy Future

INTRODUCTIONS

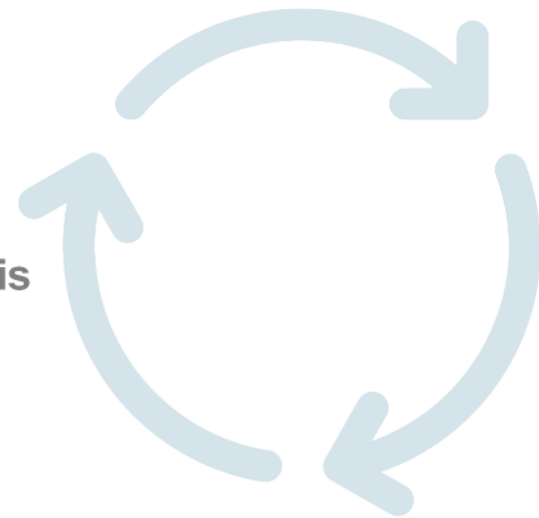
- *Plainfield Board of Education*
 - Rashon Hasan – Superintendent of Plainfield Public Schools
 - Sean Sutton – Director of Facilities & Grounds
 - Cameron Cox – CFO/Acting Business Administrator
 - Juan Pinas – Assistant Director of Facilities & Grounds
 - Andrew Conte – Director, Gable Associates
- *NJ Clean Energy Program*
 - Sarah Walters – LGEA Project Manager
 - Moussa Traore – LGEA Lead Auditor
 - Ryan Knippenberg – LGEA Project Auditor

AGENDA

- The audit process overview
- Energy use & existing conditions
- Review of **E**nergy **C**onservation **M**easures (ECMs) identified & other recommendations
- Energy Savings Improvement Program (ESIP)
- Energy Efficiency Incentive Programs
- Questions regarding the draft audit report
- Next steps for Plainfield Board of Education

LGEA PROCESS

- Application Approval
- Initial Call
- Facility Interviews
- Audit
- Benchmarking & Analysis
- Draft Reports
- LGEA Presentation
- Final Reports



SITE VISIT & UTILITY ANALYSIS

Overview of Systems, Baseline & Existing Conditions:

- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment
- Cooking & Refrigeration Equipment

Utility Consumption:

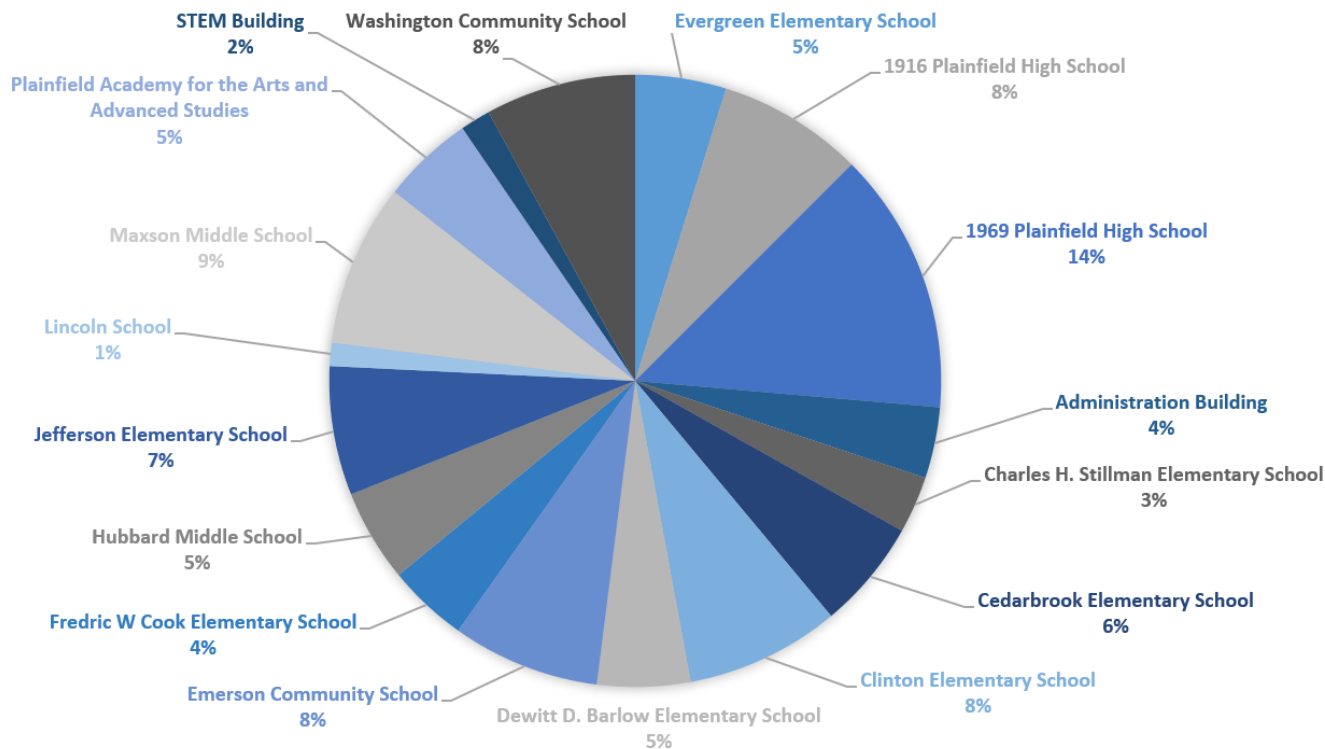
- Electric Consumption and Costs
- Natural Gas Consumption and Costs
- Solar Consumption and Costs

Sites Visited/Analyzed

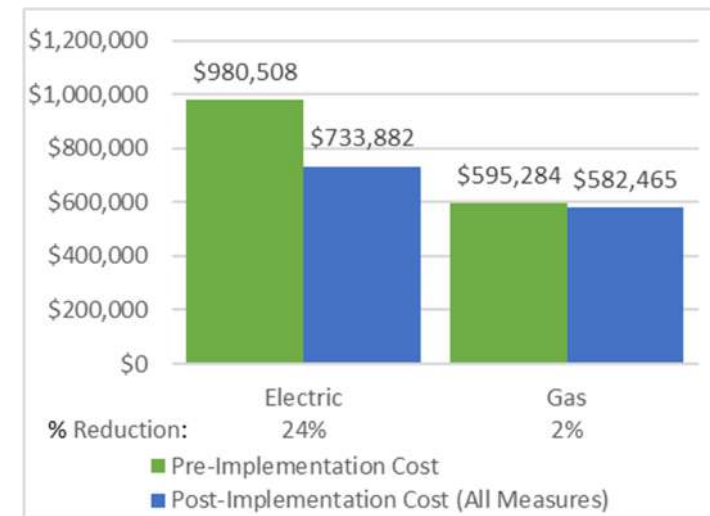
- Cedarbrook Elementary School
- Charles H. Stillman Elementary School
- Clinton Elementary School
- Dewitt D. Barlow Elementary School
- Emerson Community School
- Evergreen Elementary School
- Frederic W. Cook ES & Trailer
- Hubbard Middle School
- Jefferson Elementary School
- Maxson Middle School
- PAAAS
- Plainfield High School – 1916
 - Garage
 - Transportation Building
- Plainfield High School – 1969
- Washington Community School
- Administration Building
- STEM Building
- Lincoln High School

UTILITY BREAKOUT

Percent of Total Annual Energy Costs



Pre & Post Implementation Cost



BENCHMARKING

ENERGY STAR® Statement of Energy Performance

59
ENERGY STAR® Score¹

Hubbard Middle School
Primary Property Type: K-12 School
Gross Floor Area (ft²): 95,375
Built: 1927
For Year Ending: July 31, 2021
Date Generated: August 17, 2022

1. The ENERGY STAR score is a 1-100 assessment of a building's energy efficiency as compared with similar buildings nationwide, adjusting for climate and business activity.

Property & Contact Information

Property Address Hubbard Middle School 661 West 8th Street Plainfield, New Jersey 07060	Property Owner PlainfieldBOE 920 Park Avenue Plainfield, NJ 07060 (908) 731-4356	Primary Contact Kenneth Welch, Jr. 920 Park Avenue Plainfield, NJ 07060 (908) 731-4356 kwelch@plainfield.k12.nj.us
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Property ID: 4721189

Energy Consumption and Energy Use Intensity (EUI)

Site EUI 78.8 kBtu/ft²	Annual Energy by Fuel	National Median Comparison
	Electric - Grid (kBtu) 708,117 (9%)	National Median Site EUI (kBtu/ft²) 86.6
	Electric - Solar (kBtu) 350,808 (5%)	National Median Source EUI (kBtu/ft²) 105
	Natural Gas (kBtu) 6,459,814 (86%)	% Diff from National Median Source EUI -9%
Source EUI 95.6 kBtu/ft²		Annual Emissions
		Greenhouse Gas Emissions (Metric Tons CO2e/year) 447

Signature & Stamp of Verifying Professional

I, _____ (Name) verify that the above information is true and correct to the best of my knowledge.

LP Signature: _____ Date: _____

Licensed Professional

() - _____

Professional Engineer or Registered Architect Stamp (if applicable)

Site EUI
78.8 kBtu/ft²

Source EUI
95.6 kBtu/ft²

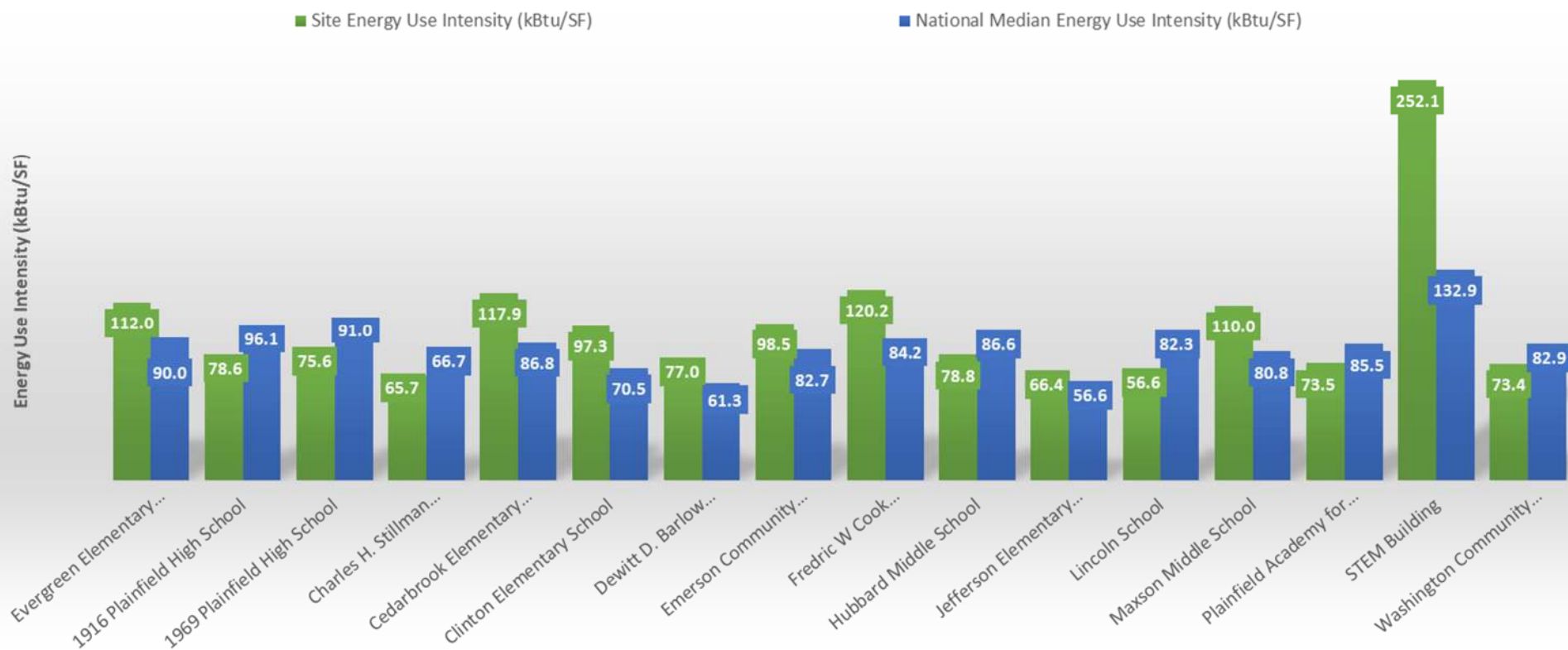
National Median Comparison

National Median Site EUI (kBtu/ft²)	86.6
National Median Source EUI (kBtu/ft²)	105
% Diff from National Median Source EUI	-9%

Site Name	ENERGY STAR Score
Evergreen Elementary School	28
1916 Plainfield High School	68
1969 Plainfield High School	68
Administration Building	N/A
Charles H. Stillman Elementary School	51
Cedarbrook Elementary School	20
Clinton Elementary School	19
Dewitt D. Barlow Elementary School	27
Emerson Community School	32
Fredric W Cook Elementary School	17
Hubbard Middle School	59
Jefferson Elementary School	33
Lincoln School	N/A
Maxson Middle School	21
Plainfield Academy for the Arts and Advanced Studies	64
STEM Building	8
Washington Community School	61

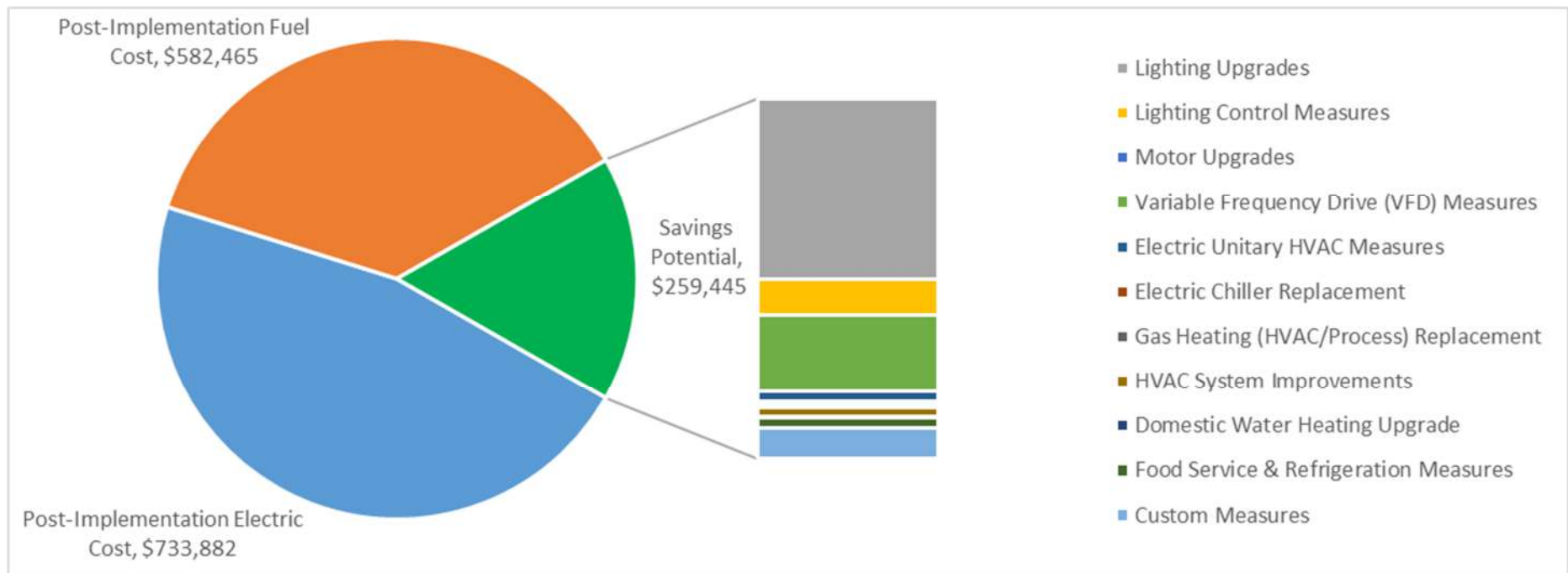
ENERGY STAR® scores are percentile ranking from 1 (least efficient) to 100 (most efficient). It compares your building's energy performance to similar buildings nationwide.

BENCHMARKING



ALL OPPORTUNITIES

Savings Potential



ALL OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades		1,178,585	317.9	-243.4	\$130,069	\$536,657	\$139,798	\$396,859	3.1	1,158,321
ECM 1	Install LED Fixtures	11,975	0.0	0.0	\$1,652	\$7,911	\$1,700	\$6,211	3.8	12,059
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	2,455	1.1	-0.5	\$298	\$2,744	\$344	\$2,400	8.0	2,412
ECM 3	Retrofit Fixtures with LED Lamps	1,163,788	316.8	-242.9	\$128,066	\$525,495	\$137,754	\$387,741	3.0	1,143,490
ECM 4	Install LED Exit Signs	366	0.0	-0.1	\$53	\$507	\$0	\$507	9.6	360
Lighting Control Measures		233,006	60.5	-48.9	\$25,540	\$289,233	\$56,420	\$232,813	9.1	228,905
ECM 5	Install Occupancy Sensor Lighting Controls	206,836	55.0	-43.5	\$22,563	\$245,808	\$30,690	\$215,118	9.5	203,192
ECM 6	Install High/Low Lighting Controls	26,170	5.5	-5.5	\$2,977	\$43,425	\$25,730	\$17,695	5.9	25,713
Motor Upgrades		2,286	0.6	0.0	\$226	\$7,754	\$0	\$7,754	34.4	2,302
ECM 7	Premium Efficiency Motors	2,286	0.6	0.0	\$226	\$7,754	\$0	\$7,754	34.4	2,302
Variable Frequency Drive (VFD) Measures		395,667	78.1	58.7	\$54,709	\$364,950	\$36,475	\$328,475	6.0	405,310
ECM 8	Install VFDs on Constant Volume (CV) Fans	267,908	60.4	0.0	\$36,454	\$157,692	\$23,400	\$134,292	3.7	269,781
ECM 9	Install VFDs on Chilled Water Pumps	38,960	5.8	0.0	\$5,830	\$14,082	\$2,400	\$11,682	2.0	39,232
ECM 10	Install VFDs on Heating Water Pumps	67,643	7.3	0.0	\$9,686	\$177,590	\$8,550	\$169,040	17.5	68,116
ECM 11	Install Boiler Draft Fan VFDs	16,079	4.5	0.0	\$1,603	\$9,819	\$2,000	\$7,819	4.9	16,191
ECM 12	Install VFDs on Kitchen Hood Fan Motors	5,077	0.2	58.7	\$1,136	\$5,766	\$125	\$5,641	5.0	11,990
Electric Unitary HVAC Measures		68,366	60.0	0.0	\$7,211	\$387,364	\$32,271	\$355,093	49.2	68,844
ECM 13	Install High Efficiency Air Conditioning Units	68,366	60.0	0.0	\$7,211	\$387,364	\$32,271	\$355,093	49.2	68,844
Electric Chiller Replacement		20,894	0.0	0.0	\$3,126	\$155,018	\$14,720	\$140,298	44.9	21,040
ECM 14	Install High Efficiency Chillers	20,894	0.0	0.0	\$3,126	\$155,018	\$14,720	\$140,298	44.9	21,040

ALL OPPORTUNITIES

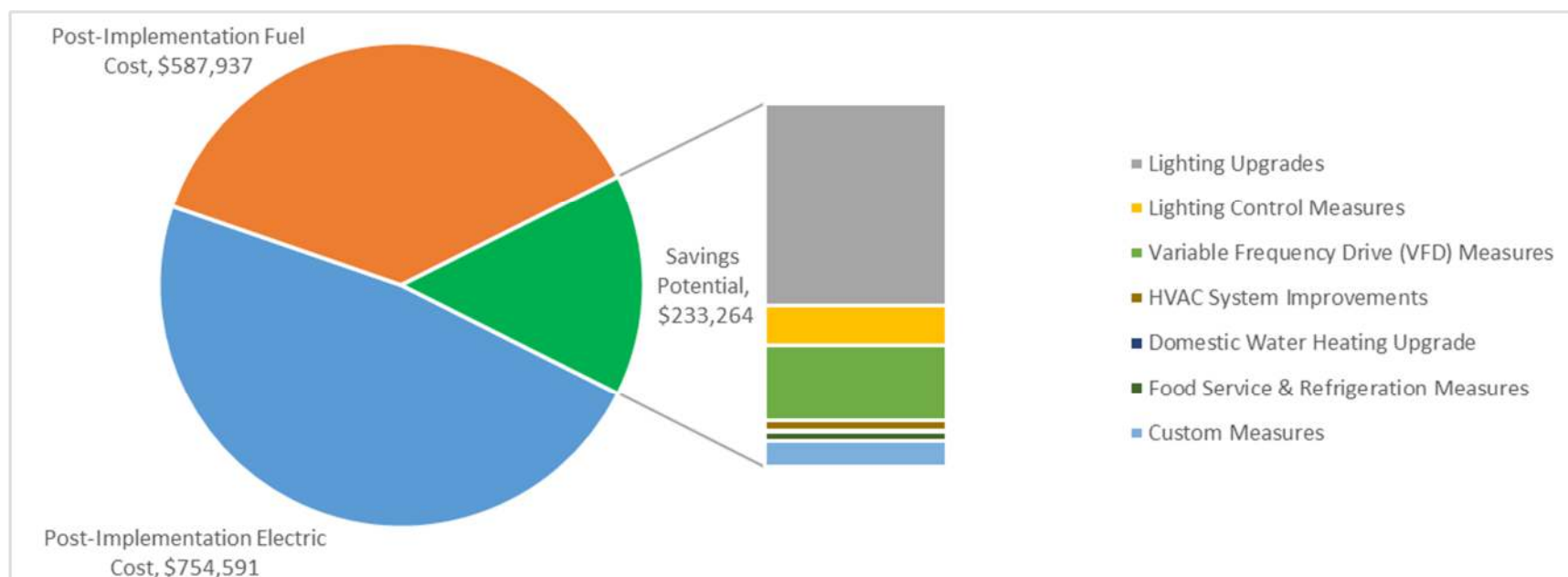
#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Gas Heating (HVAC/Process) Replacement		0	0.0	204.5	\$1,898	\$81,665	\$9,568	\$72,097	38.0	23,944
ECM 15	Install High Efficiency Hot Water Boilers	0	0.0	204.5	\$1,898	\$81,665	\$9,568	\$72,097	38.0	23,944
HVAC System Improvements		11,762	0.0	633.7	\$6,168	\$15,748	\$1,026	\$14,722	2.4	86,041
ECM 16	Implement Demand Control Ventilation (DCV)	7,132	0.0	186.2	\$2,031	\$10,875	\$0	\$10,875	5.4	28,984
ECM 17	Install Pipe Insulation	4,630	0.0	447.5	\$4,137	\$4,872	\$1,026	\$3,846	0.9	57,057
Domestic Water Heating Upgrade		6,264	0.0	33.4	\$915	\$1,595	\$385	\$1,210	1.3	10,224
ECM 18	Install Low-Flow DHW Devices	6,264	0.0	33.4	\$915	\$1,595	\$385	\$1,210	1.3	10,224
Food Service & Refrigeration Measures		50,680	5.3	125.9	\$6,910	\$41,249	\$4,730	\$36,519	5.3	65,774
ECM 19	Food Service Equipment Replacement	0	0.0	125.9	\$946	\$14,129	\$3,000	\$11,129	11.8	14,739
ECM 20	Refrigerator/Freezer Case Electrically Commutated Motors	7,054	0.8	0.0	\$725	\$2,123	\$280	\$1,843	2.5	7,103
ECM 21	Refrigeration Controls	5,843	0.2	0.0	\$612	\$4,637	\$300	\$4,337	7.1	5,883
ECM 22	Replace Refrigeration Equipment	8,388	1.0	0.0	\$1,365	\$14,610	\$250	\$14,360	10.5	8,446
ECM 23	Vending Machine Control	29,396	3.4	0.0	\$3,262	\$5,750	\$900	\$4,850	1.5	29,601
Custom Measures		126,175	0.0	902.4	\$22,674	\$315,937	\$0	\$315,937	13.9	232,717
ECM 24	Optimize HVAC Schedule	3,892	0.0	26.4	\$548	\$1,200	\$0	\$1,200	2.2	7,011
ECM 25	Installation of an Energy Management System	65,093	0.0	876.0	\$13,288	\$305,925	\$0	\$305,925	23.0	168,118
ECM 26	Install Heat Pump Water Heater	57,189	0.0	0.0	\$8,838	\$8,812	\$0	\$8,812	1.0	57,589
TOTALS		2,093,685	522.5	1,666.3	\$259,445	\$2,197,169	\$295,393	\$1,901,776	7.3	2,303,422

* - All incentives presented in this table are included as placeholders and are based on previously run state rebate programs. Contact your utility provider for details on current programs

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

COST EFFECTIVE OPPORTUNITIES

Savings Potential



COST EFFECTIVE OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades		1,178,585	317.9	-243.4	\$130,069	\$536,657	\$139,798	\$396,859	3.1	1,158,321
ECM 1	Install LED Fixtures	11,975	0.0	0.0	\$1,652	\$7,911	\$1,700	\$6,211	3.8	12,059
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	2,455	1.1	-0.5	\$298	\$2,744	\$344	\$2,400	8.0	2,412
ECM 3	Retrofit Fixtures with LED Lamps	1,163,788	316.8	-242.9	\$128,066	\$525,495	\$137,754	\$387,741	3.0	1,143,490
ECM 4	Install LED Exit Signs	366	0.0	-0.1	\$53	\$507	\$0	\$507	9.6	360
Lighting Control Measures		230,205	58.9	-48.4	\$25,047	\$280,951	\$55,230	\$225,721	9.0	226,153
ECM 5	Install Occupancy Sensor Lighting Controls	204,136	53.4	-42.9	\$22,088	\$237,976	\$29,640	\$208,336	9.4	200,540
ECM 6	Install High/Low Lighting Controls	26,069	5.4	-5.5	\$2,959	\$42,975	\$25,590	\$17,385	5.9	25,613
Variable Frequency Drive (VFD) Measures		358,023	74.4	58.7	\$48,944	\$207,139	\$32,125	\$175,014	3.6	367,403
ECM 8	Install VFDs on Constant Volume (CV) Fans	267,908	60.4	0.0	\$36,454	\$157,692	\$23,400	\$134,292	3.7	269,781
ECM 9	Install VFDs on Chilled Water Pumps	38,960	5.8	0.0	\$5,830	\$14,082	\$2,400	\$11,682	2.0	39,232
ECM 10	Install VFDs on Heating Water Pumps	30,000	3.5	0.0	\$3,922	\$19,779	\$4,200	\$15,579	4.0	30,209
ECM 11	Install Boiler Draft Fan VFDs	16,079	4.5	0.0	\$1,603	\$9,819	\$2,000	\$7,819	4.9	16,191
ECM 12	Install VFDs on Kitchen Hood Fan Motors	5,077	0.2	58.7	\$1,136	\$5,766	\$125	\$5,641	5.0	11,990
HVAC System Improvements		11,762	0.0	633.7	\$6,168	\$15,748	\$1,026	\$14,722	2.4	86,041
ECM 16	Implement Demand Control Ventilation (DCV)	7,132	0.0	186.2	\$2,031	\$10,875	\$0	\$10,875	5.4	28,984
ECM 17	Install Pipe Insulation	4,630	0.0	447.5	\$4,137	\$4,872	\$1,026	\$3,846	0.9	57,057
Domestic Water Heating Upgrade		6,264	0.0	33.4	\$915	\$1,595	\$385	\$1,210	1.3	10,224
ECM 18	Install Low-Flow DHW Devices	6,264	0.0	33.4	\$915	\$1,595	\$385	\$1,210	1.3	10,224
Food Service & Refrigeration Measures		49,421	5.2	0.0	\$5,775	\$23,920	\$1,480	\$22,440	3.9	49,767
ECM 20	Refrigerator/Freezer Case Electrically Commutated Motors	7,054	0.8	0.0	\$725	\$2,123	\$280	\$1,843	2.5	7,103
ECM 21	Refrigeration Controls	5,843	0.2	0.0	\$612	\$4,637	\$300	\$4,337	7.1	5,883
ECM 22	Replace Refrigeration Equipment	7,128	0.8	0.0	\$1,176	\$11,410	\$0	\$11,410	9.7	7,178
ECM 23	Vending Machine Control	29,396	3.4	0.0	\$3,262	\$5,750	\$900	\$4,850	1.5	29,601
Custom Measures		96,579	0.0	527.4	\$16,346	\$106,371	\$0	\$106,371	6.5	159,006
ECM 24	Optimize HVAC Schedule	3,892	0.0	26.4	\$548	\$1,200	\$0	\$1,200	2.2	7,011
ECM 25	Installation of an Energy Management System	35,497	0.0	501.0	\$6,960	\$96,359	\$0	\$96,359	13.8	94,406
ECM 26	Install Heat Pump Water Heater	57,189	0.0	0.0	\$8,838	\$8,812	\$0	\$8,812	1.0	57,589
TOTALS		1,930,839	456.4	961.5	\$233,264	\$1,172,381	\$230,044	\$942,337	4.0	2,056,915

* - All incentives presented in this table are included as placeholders and are based on previously run state rebate programs. Contact your utility provider for details on current programs

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

CEDARBROOK ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			42,808	11.3	-9	\$3,852	\$17,883	\$4,831	\$13,052	3.4	42,067
ECM1	Retrofit Fixtures with LED Lamps	Yes	42,808	11.3	-9	\$3,852	\$17,883	\$4,831	\$13,052	3.4	42,067
Lighting Control Measures			12,193	3.3	-3	\$1,097	\$16,872	\$4,850	\$12,022	11.0	11,980
ECM2	Install Occupancy Sensor Lighting Controls	Yes	7,929	2.6	-2	\$713	\$11,922	\$1,525	\$10,397	14.6	7,790
ECM3	Install High/Low Lighting Controls	Yes	4,264	0.7	-1	\$384	\$4,950	\$3,325	\$1,625	4.2	4,190
Variable Frequency Drive (VFD) Measures			26,980	11.0	0	\$2,470	\$33,734	\$5,000	\$28,734	11.6	27,169
ECM4	Install VFDs on Constant Volume (CV) Fans	Yes	17,218	9.1	0	\$1,576	\$23,431	\$2,800	\$20,631	13.1	17,338
ECM5	Install VFDs on Heating Water Pumps	Yes	9,762	1.9	0	\$894	\$10,303	\$2,200	\$8,103	9.1	9,831
Unitary HVAC Measures			4,692	6.0	0	\$429	\$33,248	\$2,152	\$31,096	72.4	4,725
ECM6	Install High Efficiency Air Conditioning Units	No	4,692	6.0	0	\$429	\$33,248	\$2,152	\$31,096	72.4	4,725
HVAC System Improvements			2,300	0.0	85	\$836	\$3,008	\$70	\$2,938	3.5	12,211
ECM7	Implement Demand Control Ventilation (DCV)	Yes	717	0.0	63	\$529	\$2,719	\$0	\$2,719	5.1	8,054
ECM8	Install Pipe Insulation	Yes	1,583	0.0	22	\$307	\$290	\$70	\$220	0.7	4,157
Domestic Water Heating Upgrade			4,571	0.0	0	\$418	\$244	\$74	\$169	0.4	4,603
ECM9	Install Low-Flow DHW Devices	Yes	4,571	0.0	0	\$418	\$244	\$74	\$169	0.4	4,603
Food Service & Refrigeration Measures			2,002	0.2	0	\$183	\$837	\$130	\$707	3.9	2,016
ECM10	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	390	0.0	0	\$36	\$607	\$80	\$527	14.8	393
ECM11	Vending Machine Control	Yes	1,612	0.2	0	\$148	\$230	\$50	\$180	1.2	1,623
Custom Measures			35,497	0.0	501	\$6,960	\$96,359	\$0	\$96,359	13.8	94,406
ECM12	Installation of an Energy Management System	Yes	35,497	0.0	501	\$6,960	\$96,359	\$0	\$96,359	13.8	94,406
TOTALS (COST EFFECTIVE MEASURES)			126,352	25.9	574	\$15,817	\$168,937	\$14,955	\$153,982	9.7	194,452
TOTALS (ALL MEASURES)			131,043	31.8	574	\$16,247	\$202,185	\$17,107	\$185,078	11.4	199,177

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CHARLES H. STILLMAN ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			31,446	10.1	-6	\$5,011	\$19,382	\$4,818	\$14,564	2.9	30,949
ECM 1	Install LED Fixtures	Yes	1,927	0.0	0	\$310	\$941	\$100	\$841	2.7	1,941
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	39	0.0	0	\$6	\$324	\$30	\$294	47.0	39
ECM 3	Retrofit Fixtures with LED Lamps	Yes	29,249	10.1	-6	\$4,657	\$17,682	\$4,688	\$12,994	2.8	28,742
ECM 4	Install LED Exit Signs	Yes	231	0.0	0	\$37	\$434	\$0	\$434	11.8	227
Lighting Control Measures			3,908	1.1	-1	\$622	\$7,062	\$925	\$6,137	9.9	3,839
ECM 5	Install Occupancy Sensor Lighting Controls	Yes	2,907	1.0	-1	\$463	\$5,712	\$365	\$5,347	11.6	2,856
ECM 6	Install High/Low Lighting Controls	Yes	1,000	0.1	0	\$159	\$1,350	\$560	\$790	5.0	983
Variable Frequency Drive (VFD) Measures			4,611	2.1	0	\$742	\$4,738	\$1,000	\$3,738	5.0	4,644
ECM 7	Install VFDs on Constant Volume (CV) Fans	Yes	4,611	2.1	0	\$742	\$4,738	\$1,000	\$3,738	5.0	4,644
Unitary HVAC Measures			4,311	2.7	0	\$694	\$21,945	\$1,440	\$20,505	29.6	4,341
ECM 8	Install High Efficiency Air Conditioning Units	No	4,311	2.7	0	\$694	\$21,945	\$1,440	\$20,505	29.6	4,341
HVAC System Improvements			828	0.0	7	\$192	\$193	\$52	\$141	0.7	1,674
ECM 9	Install Pipe Insulation	Yes	828	0.0	7	\$192	\$193	\$52	\$141	0.7	1,674
Domestic Water Heating Upgrade			319	0.0	0	\$51	\$22	\$9	\$12	0.2	321
ECM 10	Install Low-Flow DHW Devices	Yes	319	0.0	0	\$51	\$22	\$9	\$12	0.2	321
Custom Measures			10,176	0.0	158	\$2,934	\$98,990	\$0	\$98,990	33.7	28,746
ECM 11	Installation of an Energy Management System	No	6,483	0.0	158	\$2,340	\$96,607	\$0	\$96,607	41.3	25,027
ECM 12	Install Heat Pump Water Heater	Yes	3,693	0.0	0	\$594	\$2,383	\$0	\$2,383	4.0	3,719
TOTALS (COST EFFECTIVE MEASURES)			44,805	13.4	0	\$7,213	\$33,780	\$6,804	\$26,976	3.7	45,146
TOTALS (ALL MEASURES)			55,599	16.0	158	\$10,246	\$152,332	\$8,244	\$144,088	14.1	74,514

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CLINTON ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			46,972	23.3	-10	\$7,287	\$37,069	\$9,316	\$27,753	3.8	46,167
ECM 1	Install LED Fixtures	Yes	648	0.0	0	\$101	\$1,035	\$50	\$985	9.7	653
ECM 2	Retrofit Fixtures with LED Lamps	Yes	46,324	23.3	-10	\$7,185	\$36,034	\$9,266	\$26,768	3.7	45,515
Lighting Control Measures			1,916	0.7	0	\$297	\$4,777	\$1,440	\$3,337	11.2	1,883
ECM 3	Install Occupancy Sensor Lighting Controls	No	1,342	0.5	0	\$208	\$3,202	\$425	\$2,777	13.3	1,318
ECM 4	Install High/Low Lighting Controls	Yes	575	0.2	0	\$89	\$1,575	\$1,015	\$560	6.3	565
Variable Frequency Drive (VFD) Measures			152,334	22.0	30	\$24,011	\$145,583	\$10,075	\$135,508	5.6	156,891
ECM 5	Install VFDs on Constant Volume (CV) Fans	Yes	127,733	20.0	0	\$19,978	\$57,270	\$7,800	\$49,470	2.5	128,626
ECM 6	Install VFDs on Heating Water Pumps	No	20,690	1.9	0	\$3,236	\$85,303	\$2,200	\$83,103	25.7	20,835
ECM 7	Install VFDs on Kitchen Hood Fan Motors	Yes	3,911	0.1	30	\$797	\$3,010	\$75	\$2,935	3.7	7,430
Domestic Water Heating Upgrade			0	0.0	10	\$65	\$450	\$91	\$360	5.6	1,221
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	10	\$65	\$450	\$91	\$360	5.6	1,221
Food Service & Refrigeration Measures			1,954	0.2	0	\$306	\$460	\$50	\$410	1.3	1,968
ECM 9	Vending Machine Control	Yes	1,954	0.2	0	\$306	\$460	\$50	\$410	1.3	1,968
TOTALS (COST EFFECTIVE MEASURES)			181,145	43.8	30	\$28,521	\$99,834	\$18,347	\$81,488	2.9	185,977
TOTALS (ALL MEASURES)			203,177	46.2	30	\$31,965	\$188,339	\$20,972	\$167,368	5.2	208,130

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

DEWITT D. BARLOW ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			42,324	8.1	-9	\$4,943	\$12,606	\$3,398	\$9,208	1.9	41,587
ECM 1	Retrofit Fixtures with LED Lamps	Yes	42,189	8.1	-9	\$4,927	\$12,533	\$3,398	\$9,135	1.9	41,455
ECM 2	Install LED Exit Signs	Yes	135	0.0	0	\$16	\$72	\$0	\$72	4.6	133
Lighting Control Measures			13,685	2.5	-3	\$1,598	\$15,033	\$2,325	\$12,708	8.0	13,446
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	12,961	2.4	-3	\$1,514	\$13,108	\$1,660	\$11,448	7.6	12,734
ECM 4	Install Photozell Controls	Yes	0	0.0	0	\$0	\$800	\$0	\$800	0.0	0
ECM 5	Install High/Low Lighting Controls	Yes	725	0.1	0	\$85	\$1,125	\$665	\$460	5.4	712
Variable Frequency Drive (VFD) Measures			73,907	19.7	0	\$8,721	\$52,975	\$7,650	\$45,325	5.2	74,424
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	73,209	19.4	0	\$8,638	\$46,194	\$7,500	\$38,694	4.5	73,721
ECM 7	Install VFDs on Heating Water Pumps	No	699	0.3	0	\$82	\$6,781	\$150	\$6,631	80.5	703
Unitary HVAC Measures			3,428	2.2	0	\$405	\$26,902	\$1,335	\$25,567	63.2	3,452
ECM 8	Install High Efficiency Air Conditioning Units	No	3,428	2.2	0	\$405	\$26,902	\$1,335	\$25,567	63.2	3,452
HVAC System Improvements			1,769	0.0	81	\$680	\$2,753	\$6	\$2,747	4.0	11,275
ECM 9	Implement Demand Control Ventilation (DCV)	Yes	1,769	0.0	79	\$670	\$2,719	\$0	\$2,719	4.1	11,076
ECM 10	Install Pipe Insulation	Yes	0	0.0	2	\$10	\$35	\$6	\$29	2.9	199
Domestic Water Heating Upgrade			0	0.0	2	\$10	\$50	\$16	\$35	3.4	203
ECM 11	Install Low-Flow DHW Devices	Yes	0	0.0	2	\$10	\$50	\$16	\$35	3.4	203
Food Service & Refrigeration Measures			3,005	0.3	0	\$355	\$1,140	\$170	\$970	2.7	3,026
ECM 12	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	1,393	0.1	0	\$164	\$910	\$120	\$790	4.8	1,403
ECM 13	Vending Machine Control	Yes	1,612	0.2	0	\$190	\$230	\$50	\$180	0.9	1,623
Custom Measures			23,113	0.0	217	\$3,988	\$112,959	\$0	\$112,959	28.3	48,684
ECM 14	Installation of an Energy Management System	No	23,113	0.0	217	\$3,988	\$112,959	\$0	\$112,959	28.3	48,684
TOTALS (COST EFFECTIVE MEASURES)			133,992	30.3	71	\$16,224	\$77,776	\$13,415	\$64,361	4.0	143,258
TOTALS (ALL MEASURES)			161,232	32.8	288	\$20,698	\$224,418	\$14,900	\$209,519	10.1	196,098

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

EMERSON COMMUNITY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			118,135	24.7	-25	\$12,768	\$36,328	\$9,695	\$26,633	2.1	116,069
ECM 1	Retrofit Fixtures with LED Lamps	Yes	118,135	24.7	-25	\$12,768	\$36,328	\$9,695	\$26,633	2.1	116,069
Lighting Control Measures			21,817	5.8	-5	\$2,358	\$18,952	\$4,035	\$14,917	6.3	21,435
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	19,949	5.3	-4	\$2,156	\$16,477	\$2,000	\$14,477	6.7	19,600
ECM 3	Install High/Low Lighting Controls	Yes	1,868	0.5	0	\$202	\$2,475	\$2,035	\$440	2.2	1,835
Motor Upgrades			676	0.2	0	\$74	\$1,239	\$0	\$1,239	16.7	680
ECM 4	Premium Efficiency Motors	No	676	0.2	0	\$74	\$1,239	\$0	\$1,239	16.7	680
Variable Frequency Drive (VFD) Measures			1,166	0.1	29	\$339	\$2,756	\$50	\$2,706	8.0	4,559
ECM 5	Install VFDs on Kitchen Hood Fan Motors	Yes	1,166	0.1	29	\$339	\$2,756	\$50	\$2,706	8.0	4,559
HVAC System Improvements			4,646	0.0	44	\$832	\$5,438	\$0	\$5,438	6.5	9,854
ECM 6	Implement Demand Control Ventilation (DCV)	Yes	4,646	0.0	44	\$832	\$5,438	\$0	\$5,438	6.5	9,854
Domestic Water Heating Upgrade			0	0.0	4	\$33	\$239	\$32	\$207	6.3	524
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	4	\$33	\$239	\$32	\$207	6.3	524
Food Service & Refrigeration Measures			1,612	0.2	0	\$177	\$230	\$50	\$180	1.0	1,623
ECM 8	Vending Machine Control	Yes	1,612	0.2	0	\$177	\$230	\$50	\$180	1.0	1,623
TOTALS (COST EFFECTIVE MEASURES)			147,376	30.8	48	\$16,506	\$63,943	\$13,862	\$50,081	3.0	154,065
TOTALS (ALL MEASURES)			148,052	31.0	48	\$16,580	\$65,182	\$13,862	\$51,320	3.1	154,745

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

EVERGREEN ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			38,720	16.2	-8	\$6,815	\$26,738	\$7,032	\$19,706	2.9	38,048
ECM 1	Retrofit Fixtures with LED Lamps	Yes	38,720	16.2	-8	\$6,815	\$26,738	\$7,032	\$19,706	2.9	38,048
Lighting Control Measures			9,182	3.4	-2	\$1,616	\$22,052	\$2,975	\$19,077	11.8	9,022
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	9,081	3.3	-2	\$1,598	\$21,602	\$2,835	\$18,767	11.7	8,922
ECM 3	Install High/Low Lighting Controls	No	101	0.0	0	\$18	\$450	\$140	\$310	17.4	100
Motor Upgrades			77	0.1	0	\$14	\$1,064	\$0	\$1,064	77.9	78
ECM 4	Premium Efficiency Motors	No	77	0.1	0	\$14	\$1,064	\$0	\$1,064	77.9	78
HVAC System Improvements			2,220	0.0	0	\$394	\$138	\$48	\$90	0.2	2,235
ECM 5	Install Pipe Insulation	Yes	2,220	0.0	0	\$394	\$138	\$48	\$90	0.2	2,235
Domestic Water Heating Upgrade			229	0.0	0	\$41	\$29	\$8	\$21	0.5	231
ECM 6	Install Low-Flow DHW Devices	Yes	229	0.0	0	\$41	\$29	\$8	\$21	0.5	231
Food Service & Refrigeration Measures			5,685	0.6	0	\$1,009	\$6,750	\$50	\$6,700	6.6	5,725
ECM 7	Replace Refrigeration Equipment	Yes	4,073	0.5	0	\$723	\$6,520	\$0	\$6,520	9.0	4,102
ECM 8	Vending Machine Control	Yes	1,612	0.2	0	\$286	\$230	\$50	\$180	0.6	1,623
Custom Measures			6,155	0.0	0	\$1,092	\$2,289	\$0	\$2,289	2.1	6,198
ECM 9	Install Heat Pump Water Heater	Yes	6,155	0.0	0	\$1,092	\$2,289	\$0	\$2,289	2.1	6,198
TOTALS (COST EFFECTIVE MEASURES)			62,089	20.2	-10	\$10,948	\$57,546	\$9,973	\$47,573	4.3	61,358
TOTALS (ALL MEASURES)			62,268	20.3	-10	\$10,979	\$59,060	\$10,113	\$48,947	4.5	61,535

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** - Simple Payback Period is based on net measure costs (i.e. after incentives).

FREDERIC W. COOK ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			26,108	8.9	-5	\$4,232	\$16,892	\$4,520	\$12,372	2.9	25,709
ECM 1	Install LED Fixtures	Yes	2,269	0.0	0	\$371	\$1,443	\$350	\$1,093	2.9	2,285
ECM 2	Retrofit Fixtures with LED Lamps	Yes	23,839	8.9	-5	\$3,861	\$15,449	\$4,170	\$11,279	2.9	23,424
Lighting Control Measures			7,371	2.8	-2	\$1,194	\$8,933	\$2,045	\$6,888	5.8	7,242
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	5,437	2.5	-1	\$880	\$6,908	\$820	\$6,088	6.9	5,342
ECM 4	Install High/Low Lighting Controls	Yes	1,934	0.3	0	\$313	\$2,025	\$1,225	\$800	2.6	1,900
Unitary HVAC Measures			84	0.2	0	\$14	\$5,327	\$0	\$5,327	389.4	84
ECM 5	Install High Efficiency Air Conditioning Units	No	84	0.2	0	\$14	\$5,327	\$0	\$5,327	389.4	84
HVAC System Improvements			0	0.0	3	\$20	\$46	\$16	\$30	1.5	321
ECM 6	Install Pipe Insulation	Yes	0	0.0	3	\$20	\$46	\$16	\$30	1.5	321
Domestic Water Heating Upgrade			0	0.0	4	\$32	\$136	\$41	\$95	3.0	500
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	4	\$32	\$136	\$41	\$95	3.0	500
Food Service & Refrigeration Measures			1,612	0.2	0	\$264	\$230	\$50	\$180	0.7	1,623
ECM 8	Vending Machine Control	Yes	1,612	0.2	0	\$264	\$230	\$50	\$180	0.7	1,623
Custom Measures			4,924	0.0	0	\$805	\$2,070	\$0	\$2,070	2.6	4,958
ECM 9	Install Heat Pump Water Heater	Yes	4,924	0.0	0	\$805	\$2,070	\$0	\$2,070	2.6	4,958
TOTALS (COST EFFECTIVE MEASURES)			40,014	11.9	1	\$6,546	\$28,307	\$6,672	\$21,635	3.3	40,353
TOTALS (ALL MEASURES)			40,098	12.1	1	\$6,560	\$33,635	\$6,672	\$26,963	4.1	40,437

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

HUBBARD MIDDLE SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			75,008	26.3	-16	\$6,371	\$44,999	\$11,808	\$33,191	5.2	73,712
ECM 1	Install LED Fixtures	Yes	635	0.0	0	\$55	\$346	\$50	\$296	5.4	640
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	250	0.1	0	\$21	\$206	\$30	\$176	8.3	246
ECM 3	Retrofit Fixtures with LED Lamps	Yes	74,123	26.2	-15	\$6,295	\$44,447	\$11,728	\$32,719	5.2	72,826
Lighting Control Measures			14,819	5.2	-3	\$1,259	\$17,474	\$2,880	\$14,594	11.6	14,560
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	14,161	5.1	-3	\$1,203	\$16,124	\$2,110	\$14,014	11.7	13,914
ECM 5	Install High/Low Lighting Controls	Yes	658	0.1	0	\$56	\$1,350	\$770	\$580	10.4	647
Motor Upgrades			345	0.1	0	\$30	\$1,057	\$0	\$1,057	35.4	348
ECM 6	Premium Efficiency Motors	No	345	0.1	0	\$30	\$1,057	\$0	\$1,057	35.4	348
Unitary HVAC Measures			378	0.5	0	\$33	\$1,185	\$0	\$1,185	36.2	381
ECM 7	Install High Efficiency Air Conditioning Units	No	378	0.5	0	\$33	\$1,185	\$0	\$1,185	36.2	381
Domestic Water Heating Upgrade			0	0.0	1	\$4	\$22	\$6	\$16	3.5	69
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	1	\$4	\$22	\$6	\$16	3.5	69
Food Service & Refrigeration Measures			3,163	0.4	0	\$274	\$690	\$100	\$590	2.2	3,185
ECM 9	Vending Machine Control	Yes	3,163	0.4	0	\$274	\$690	\$100	\$590	2.2	3,185
TOTALS (COST EFFECTIVE MEASURES)			92,991	31.9	-18	\$7,908	\$63,185	\$14,794	\$48,391	6.1	91,526
TOTALS (ALL MEASURES)			93,714	32.5	-18	\$7,970	\$65,427	\$14,794	\$50,633	6.4	92,254

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

JEFFERSON ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			56,868	12.7	-12	\$8,393	\$20,143	\$5,359	\$14,784	1.8	55,873
ECM 1	Retrofit Fixtures with LED Lamps	Yes	56,868	12.7	-12	\$8,393	\$20,143	\$5,359	\$14,784	1.8	55,873
Lighting Control Measures			1,622	0.3	0	\$239	\$2,096	\$650	\$1,446	6.0	1,594
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	1,082	0.2	0	\$160	\$1,196	\$160	\$1,036	6.5	1,063
ECM 3	Install High/Low Lighting Controls	Yes	541	0.1	0	\$80	\$900	\$490	\$410	5.1	531
Variable Frequency Drive (VFD) Measures			78,621	11.8	0	\$11,764	\$33,035	\$6,400	\$26,635	2.3	79,171
ECM 4	Install VFDs on Constant Volume (CV) Fans	Yes	19,424	4.4	0	\$2,906	\$9,476	\$2,000	\$7,476	2.6	19,560
ECM 5	Install VFDs on Chilled Water Pumps	Yes	38,960	5.8	0	\$5,830	\$14,082	\$2,400	\$11,682	2.0	39,232
ECM 6	Install VFDs on Heating Water Pumps	Yes	20,237	1.6	0	\$3,028	\$9,476	\$2,000	\$7,476	2.5	20,379
Electric Chiller Replacement			20,894	0.0	0	\$3,126	\$155,018	\$14,720	\$140,298	44.9	21,040
ECM 7	Install High Efficiency Chillers	No	20,894	0.0	0	\$3,126	\$155,018	\$14,720	\$140,298	44.9	21,040
Gas Heating (HVAC/Process) Replacement			0	0.0	71	\$690	\$65,702	\$7,568	\$58,134	84.2	8,284
ECM 8	Install High Efficiency Hot Water Boilers	No	0	0.0	71	\$690	\$65,702	\$7,568	\$58,134	84.2	8,284
Domestic Water Heating Upgrade			1,145	0.0	0	\$171	\$72	\$26	\$45	0.3	1,153
ECM 9	Install Low-Flow DHW Devices	Yes	1,145	0.0	0	\$171	\$72	\$26	\$45	0.3	1,153
Food Service & Refrigeration Measures			1,612	0.2	0	\$241	\$230	\$50	\$180	0.7	1,623
ECM 10	Vending Machine Control	Yes	1,612	0.2	0	\$241	\$230	\$50	\$180	0.7	1,623
Custom Measures			42,417	0.0	0	\$6,347	\$2,070	\$0	\$2,070	0.3	42,714
ECM 11	Install Heat Pump Water Heater	Yes	42,417	0.0	0	\$6,347	\$2,070	\$0	\$2,070	0.3	42,714
TOTALS (COST EFFECTIVE MEASURES)			182,285	25.0	-12	\$27,156	\$57,646	\$12,485	\$45,161	1.7	182,128
TOTALS (ALL MEASURES)			203,180	25.0	59	\$30,973	\$278,366	\$34,773	\$243,592	7.9	211,453

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

MAXSON MIDDLE SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			85,154	21.8	-20	\$8,342	\$48,747	\$12,867	\$35,880	4.3	83,460
ECM 1	Retrofit Fixtures with LED Lamps	Yes	85,154	21.8	-20	\$8,342	\$48,747	\$12,867	\$35,880	4.3	83,460
Lighting Control Measures			11,232	2.0	-3	\$1,100	\$14,356	\$1,930	\$12,426	11.3	11,008
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	11,232	2.0	-3	\$1,100	\$14,356	\$1,930	\$12,426	11.3	11,008
Variable Frequency Drive (VFD) Measures			25,517	7.6	0	\$2,543	\$21,663	\$3,300	\$18,363	7.2	25,695
ECM 3	Install VFDs on Constant Volume (CV) Fans	Yes	9,438	3.1	0	\$941	\$11,844	\$1,300	\$10,544	11.2	9,504
ECM 4	Install Boiler Draft Fan VFDs	Yes	16,079	4.5	0	\$1,603	\$9,819	\$2,000	\$7,819	4.9	16,191
Unitary HVAC Measures			2,652	2.8	0	\$264	\$7,326	\$1,672	\$5,654	21.4	2,671
ECM 5	Install High Efficiency Air Conditioning Units	No	2,652	2.8	0	\$264	\$7,326	\$1,672	\$5,654	21.4	2,671
Domestic Water Heating Upgrade			0	0.0	3	\$21	\$43	\$22	\$22	1.0	333
ECM 6	Install Low-Flow DHW Devices	Yes	0	0.0	3	\$21	\$43	\$22	\$22	1.0	333
Food Service & Refrigeration Measures			12,114	1.1	0	\$1,207	\$5,222	\$380	\$4,842	4.0	12,198
ECM 7	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	5,271	0.7	0	\$525	\$607	\$80	\$527	1.0	5,308
ECM 8	Refrigeration Controls	Yes	5,231	0.2	0	\$521	\$4,385	\$250	\$4,135	7.9	5,268
ECM 9	Vending Machine Control	Yes	1,612	0.2	0	\$161	\$230	\$50	\$180	1.1	1,623
TOTALS (COST EFFECTIVE MEASURES)			134,016	32.5	-19	\$13,214	\$90,031	\$18,499	\$71,532	5.4	132,694
TOTALS (ALL MEASURES)			136,668	35.3	-19	\$13,478	\$97,356	\$20,170	\$77,186	5.7	135,365

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

PLAINFIELD ACADEMY FOR THE ARTS & ADVANCED STUDIES

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			61,325	18.9	-13	\$5,193	\$33,490	\$8,084	\$25,406	4.9	60,253
ECM 1	Retrofit Fixtures with LED Lamps	Yes	61,325	18.9	-13	\$5,193	\$33,490	\$8,084	\$25,406	4.9	60,253
Lighting Control Measures			475	0.2	0	\$40	\$926	\$125	\$801	19.9	466
ECM 2	Install Occupancy Sensor Lighting Controls	No	475	0.2	0	\$40	\$926	\$125	\$801	19.9	466
Domestic Water Heating Upgrade			0	0.0	2	\$18	\$43	\$17	\$26	1.4	265
ECM 3	Install Low-Flow DHW Devices	Yes	0	0.0	2	\$18	\$43	\$17	\$26	1.4	265
Food Service & Refrigeration Measures			3,163	0.4	0	\$273	\$690	\$100	\$590	2.2	3,185
ECM 4	Vending Machine Control	Yes	3,163	0.4	0	\$273	\$690	\$100	\$590	2.2	3,185
Custom Measures			3,892	0.0	26	\$548	\$1,200	\$0	\$1,200	2.2	7,011
ECM 5	Optimize HVAC Schedule	Yes	3,892	0.0	26	\$548	\$1,200	\$0	\$1,200	2.2	7,011
TOTALS (COST EFFECTIVE MEASURES)			68,381	19.2	16	\$6,032	\$35,423	\$8,201	\$27,222	4.5	70,713
TOTALS (ALL MEASURES)			68,856	19.4	16	\$6,073	\$36,349	\$8,326	\$28,023	4.6	71,180

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

PLAINFIELD HIGH SCHOOL - 1969

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			307,158	53.8	-64	\$20,088	\$85,445	\$22,740	\$62,705	3.1	301,862
ECM 1	Install LED Fixtures	Yes	1,927	0.0	0	\$129	\$891	\$200	\$691	5.4	1,941
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	606	0.2	0	\$40	\$444	\$55	\$389	9.8	595
ECM 3	Retrofit Fixtures with LED Lamps	Yes	304,624	53.6	-63	\$19,920	\$84,110	\$22,485	\$61,625	3.1	299,326
Lighting Control Measures			71,330	11.3	-15	\$4,664	\$58,953	\$10,770	\$48,183	10.3	70,083
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	64,528	10.3	-13	\$4,219	\$49,728	\$5,940	\$43,788	10.4	63,399
ECM 5	Install High/Low Lighting Controls	Yes	6,802	1.0	-1	\$445	\$9,225	\$4,830	\$4,395	9.9	6,683
Motor Upgrades			837	0.2	0	\$56	\$3,043	\$0	\$3,043	54.4	843
ECM 6	Premium Efficiency Motors	No	837	0.2	0	\$56	\$3,043	\$0	\$3,043	54.4	843
Unitary HVAC Measures			30,772	12.5	0	\$2,056	\$33,367	\$5,115	\$28,252	13.7	30,987
ECM 7	Install High Efficiency Air Conditioning Units	No	30,772	12.5	0	\$2,056	\$33,367	\$5,115	\$28,252	13.7	30,987
HVAC System Improvements			0	0.0	60	\$414	\$1,044	\$290	\$754	1.8	7,032
ECM 8	Install Pipe Insulation	Yes	0	0.0	60	\$414	\$1,044	\$290	\$754	1.8	7,032
Domestic Water Heating Upgrade			0	0.0	4	\$25	\$182	\$19	\$163	6.5	426
ECM 9	Install Low-Flow DHW Devices	Yes	0	0.0	4	\$25	\$182	\$19	\$163	6.5	426
Food Service & Refrigeration Measures			6,609	0.8	0	\$442	\$1,840	\$200	\$1,640	3.7	6,655
ECM 10	Vending Machine Control	Yes	6,609	0.8	0	\$442	\$1,840	\$200	\$1,640	3.7	6,655
TOTALS (COST EFFECTIVE MEASURES)			385,096	65.9	-15	\$25,633	\$147,464	\$34,019	\$113,445	4.4	386,057
TOTALS (ALL MEASURES)			416,705	78.5	-15	\$27,745	\$183,874	\$39,134	\$144,740	5.2	417,887

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

WASHINGTON COMMUNITY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			100,073	31.6	-19	\$14,915	\$55,479	\$13,822	\$41,657	2.8	98,517
ECM 1	Retrofit Fixtures with LED Lamps	Yes	100,073	31.6	-19	\$14,915	\$55,479	\$13,822	\$41,657	2.8	98,517
Lighting Control Measures			25,981	8.9	-5	\$3,869	\$34,812	\$8,240	\$26,572	6.9	25,526
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	22,811	7.8	-5	\$3,397	\$27,162	\$3,305	\$23,857	7.0	22,412
ECM 3	Install High/Low Lighting Controls	Yes	3,170	1.0	-1	\$472	\$7,650	\$4,935	\$2,715	5.8	3,115
Variable Frequency Drive (VFD) Measures			16,255	1.5	0	\$2,446	\$65,726	\$2,000	\$63,726	26.1	16,369
ECM 4	Install VFDs on Heating Water Pumps	No	16,255	1.5	0	\$2,446	\$65,726	\$2,000	\$63,726	26.1	16,369
Unitary HVAC Measures			20,261	30.5	0	\$3,049	\$251,541	\$19,768	\$231,773	76.0	20,403
ECM 5	Install High Efficiency Air Conditioning Units	No	20,261	30.5	0	\$3,049	\$251,541	\$19,768	\$231,773	76.0	20,403
Food Service & Refrigeration Measures			2,871	0.3	126	\$1,378	\$17,559	\$3,300	\$14,259	10.3	17,630
ECM 6	Food Service Equipment Replacement	No	0	0.0	126	\$946	\$14,129	\$3,000	\$11,129	11.8	14,739
ECM 7	Replace Refrigeration Equipment	No	1,259	0.1	0	\$190	\$3,200	\$250	\$2,950	15.6	1,268
ECM 8	Vending Machine Control	Yes	1,612	0.2	0	\$243	\$230	\$50	\$180	0.7	1,623
TOTALS (COST EFFECTIVE MEASURES)			127,666	40.7	-25	\$19,027	\$90,521	\$22,112	\$68,409	3.6	125,666
TOTALS (ALL MEASURES)			165,442	72.9	101	\$25,657	\$425,117	\$47,130	\$377,987	14.7	178,446

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

ADMINISTRATION BUILDING

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			44,398	13.8	-9	\$7,068	\$22,342	\$5,958	\$16,384	2.3	43,638
ECM 1	Install LED Fixtures	Yes	670	0.0	0	\$108	\$497	\$150	\$347	3.2	675
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	182	0.1	0	\$29	\$259	\$24	\$235	8.1	178
ECM 3	Retrofit Fixtures with LED Lamps	Yes	43,546	13.7	-9	\$6,931	\$21,586	\$5,784	\$15,802	2.3	42,784
Lighting Control Measures			11,434	3.5	-2	\$1,820	\$19,930	\$4,195	\$15,735	8.6	11,234
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	9,458	3.1	-2	\$1,505	\$16,105	\$2,025	\$14,080	9.4	9,292
ECM 5	Install High/Low Lighting Controls	Yes	1,977	0.4	0	\$315	\$3,825	\$2,170	\$1,655	5.3	1,942
Unitary HVAC Measures			121	0.2	0	\$19	\$872	\$0	\$872	44.8	122
ECM 6	Install High Efficiency Air Conditioning Units	No	121	0.2	0	\$19	\$872	\$0	\$872	44.8	122
HVAC System Improvements			0	0.0	205	\$1,609	\$1,475	\$246	\$1,229	0.8	24,031
ECM 7	Install Pipe Insulation	Yes	0	0.0	205	\$1,609	\$1,475	\$246	\$1,229	0.8	24,031
Domestic Water Heating Upgrade			0	0.0	2	\$15	\$29	\$13	\$16	1.1	219
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	2	\$15	\$29	\$13	\$16	1.1	219
Food Service & Refrigeration Measures			1,612	0.2	0	\$259	\$230	\$50	\$180	0.7	1,623
ECM 9	Vending Machine Control	Yes	1,612	0.2	0	\$259	\$230	\$50	\$180	0.7	1,623
TOTALS (COST EFFECTIVE MEASURES)			57,444	17.5	196	\$10,770	\$44,005	\$10,462	\$33,544	3.1	80,745
TOTALS (ALL MEASURES)			57,565	17.6	196	\$10,790	\$44,878	\$10,462	\$34,416	3.2	80,867

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

STEM BUILDING

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			12,619	4.3	-3	\$1,273	\$5,952	\$1,630	\$4,322	3.4	12,399
ECM 1	Retrofit Fixtures with LED Lamps	Yes	12,619	4.3	-3	\$1,273	\$5,952	\$1,630	\$4,322	3.4	12,399
Lighting Control Measures			3,926	1.3	-1	\$396	\$4,978	\$930	\$4,048	10.2	3,857
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	2,990	1.1	-1	\$302	\$3,628	\$510	\$3,118	10.3	2,938
ECM 3	Install High/Low Lighting Controls	Yes	936	0.2	0	\$94	\$1,350	\$420	\$930	9.8	920
Variable Frequency Drive (VFD) Measures			16,274	2.2	0	\$1,673	\$4,738	\$1,000	\$3,738	2.2	16,388
ECM 4	Install VFDs on Constant Volume (CV) Fans	Yes	16,274	2.2	0	\$1,673	\$4,738	\$1,000	\$3,738	2.2	16,388
Gas Heating (HVAC/Process) Replacement			0	0.0	112	\$1,047	\$10,562	\$1,000	\$9,562	9.1	13,116
ECM 5	Install High Efficiency Hot Water Boilers	No	0	0.0	112	\$1,047	\$10,562	\$1,000	\$9,562	9.1	13,116
HVAC System Improvements			0	0.0	4	\$38	\$44	\$10	\$34	0.9	479
ECM 6	Install Pipe Insulation	Yes	0	0.0	4	\$38	\$44	\$10	\$34	0.9	479
Domestic Water Heating Upgrade			0	0.0	0	\$2	\$7	\$2	\$5	2.8	23
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	0	\$2	\$7	\$2	\$5	2.8	23
TOTALS (COST EFFECTIVE MEASURES)			32,820	7.9	1	\$3,382	\$15,719	\$3,572	\$12,147	3.6	33,147
TOTALS (ALL MEASURES)			32,820	7.9	113	\$4,429	\$26,281	\$4,572	\$21,709	4.9	46,262

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

LINCOLN SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			3,497	3.9	-1	\$896	\$6,877	\$1,809	\$5,068	5.7	3,436
ECM 1	Retrofit Fixtures with LED Lamps	Yes	3,497	3.9	-1	\$896	\$6,877	\$1,809	\$5,068	5.7	3,436
Lighting Control Measures			1,138	1.1	0	\$292	\$4,829	\$990	\$3,839	13.2	1,118
ECM 2	Install Occupancy Sensor Lighting Controls	No	883	1.0	0	\$226	\$3,704	\$500	\$3,204	14.2	868
ECM 3	Install High/Low Lighting Controls	Yes	255	0.1	0	\$65	\$1,125	\$490	\$635	9.7	251
HVAC System Improvements			0	0.0	82	\$691	\$712	\$118	\$594	0.9	9,637
ECM 4	Install Pipe Insulation	Yes	0	0.0	82	\$691	\$712	\$118	\$594	0.9	9,637
TOTALS (COST EFFECTIVE MEASURES)			3,753	4.0	82	\$1,653	\$8,714	\$2,417	\$6,297	3.8	13,324
TOTALS (ALL MEASURES)			4,636	5.0	81	\$1,879	\$12,418	\$2,917	\$9,501	5.1	14,191

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

PLAINFIELD HIGH SCHOOL - 1916

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			85,971	28.2	-17	\$12,623	\$46,285	\$12,111	\$34,174	2.7	84,576
ECM 1	Install LED Fixtures	Yes	3,898	0.0	0	\$578	\$2,758	\$800	\$1,958	3.4	3,925
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	1,378	0.7	0	\$202	\$1,511	\$205	\$1,306	6.5	1,354
ECM 3	Retrofit Fixtures with LED Lamps	Yes	80,695	27.5	-17	\$11,843	\$42,016	\$11,106	\$30,910	2.6	79,297
Lighting Control Measures			20,976	7.1	-4	\$3,078	\$37,998	\$7,115	\$30,883	10.0	20,610
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	19,612	6.6	-4	\$2,878	\$33,948	\$4,455	\$29,493	10.2	19,270
ECM 5	Install High/Low Lighting Controls	Yes	1,364	0.5	0	\$200	\$4,050	\$2,660	\$1,390	6.9	1,340
Motor Upgrades			351	0.1	0	\$52	\$1,350	\$0	\$1,350	25.9	354
ECM 6	Premium Efficiency Motors	No	351	0.1	0	\$52	\$1,350	\$0	\$1,350	25.9	354
Unitary HVAC Measures			1,666	2.5	0	\$247	\$5,651	\$790	\$4,861	19.7	1,678
ECM 7	Install High Efficiency Air Conditioning Units	No	1,666	2.5	0	\$247	\$5,651	\$790	\$4,861	19.7	1,678
Gas Heating (HVAC/Process) Replacement			0	0.0	22	\$161	\$5,401	\$1,000	\$4,401	27.3	2,544
ECM 8	Install High Efficiency Hot Water Boilers	No	0	0.0	22	\$161	\$5,401	\$1,000	\$4,401	27.3	2,544
HVAC System Improvements			0	0.0	62	\$461	\$896	\$170	\$726	1.6	7,292
ECM 9	Install Pipe Insulation	Yes	0	0.0	62	\$461	\$896	\$170	\$726	1.6	7,292
Domestic Water Heating Upgrade			0	0.0	1	\$8	\$29	\$10	\$19	2.3	134
ECM 10	Install Low-Flow DHW Devices	Yes	0	0.0	1	\$8	\$29	\$10	\$19	2.3	134
Food Service & Refrigeration Measures			3,666	0.3	0	\$544	\$5,142	\$50	\$5,092	9.4	3,692
ECM 11	Refrigeration Controls	Yes	611	0.0	0	\$91	\$252	\$50	\$202	2.2	616
ECM 12	Replace Refrigeration Equipment	Yes	3,055	0.3	0	\$453	\$4,890	\$0	\$4,890	10.8	3,076
TOTALS (COST EFFECTIVE MEASURES)			110,613	35.6	42	\$16,715	\$90,350	\$19,456	\$70,894	4.2	116,305
TOTALS (ALL MEASURES)			112,630	38.2	64	\$17,175	\$102,753	\$21,246	\$81,507	4.7	120,880

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

** - Simple Payback Period is based on net measure costs (i.e. after incentives).

ENERGY EFFICIENT BEST PRACTICES

- Reduce Air Leakage
- Close Doors and Windows
- Develop a Lighting Maintenance Schedule
- Ensure Lighting Controls Are Operating Properly
- Use Fans to Reduce Cooling Load
- Use Window Treatments/Coverings
- Clean and/or Replace HVAC filters
- Check and Seal Duct Leakage
- Perform Proper Boiler Maintenance
- Perform Proper Water Heater Maintenance
- Plug Load Controls
- Water Conservation

See individual reports for specific EE practices by building

MEASURES FOR FUTURE CONSIDERATION

- VRF Systems
- Install High Efficiency Energy Recovery Units (ERUs)
- Upgrade/Replace Energy Management System
- Electric Sub Metering
- Eliminate Oversized Domestic Hot Water Heating Systems
- Heating System Conversion from Steam to Hot Water
- Window Replacements



SOLAR ENERGY GENERATION POTENTIAL

NJCleanEnergy.com/renewable-energy

	Cedarbrook	Stillman	Clinton	Barlow	1916 HS	Evergreen	Cook
<i>Potential:</i>	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
<i>System Potential: (kW)</i>	136	61	158	104	107	72	59
<i>Electric Generation: (kWh per year)</i>	162,026	72,674	188,237	123,903	127,477	85,778	70,291
<i>Displaced Cost: (per year)</i>	\$14,830	\$11,700	\$29,440	\$14,620	\$18,900	\$15,220	\$11,490

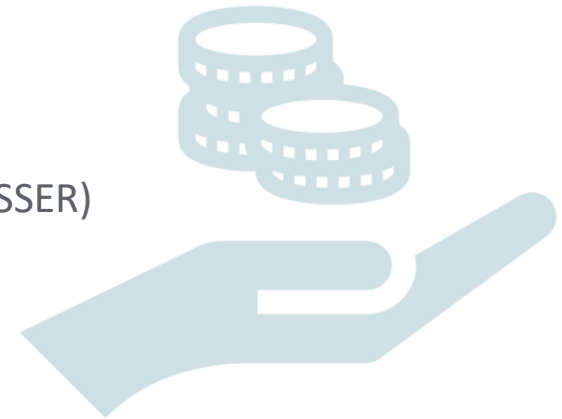
	Hubbard	Maxson	1969 HS	Washington	Admin Bldg	Emerson
<i>Potential:</i>	Medium	Medium	Medium	Medium	Medium	Medium
<i>System Potential: (kW)</i>	77	114	321	138	67	144
<i>Electric Generation: (kWh per year)</i>	57,938	135,816	382,430	164,409	79,822	171,558
<i>Displaced Cost: (per year)</i>	\$5,010	\$13,540	\$25,560	\$24,740	\$12,840	\$18,800

FINANCING MECHANISM: ESIP

NJCleanEnergy.com/ESIP

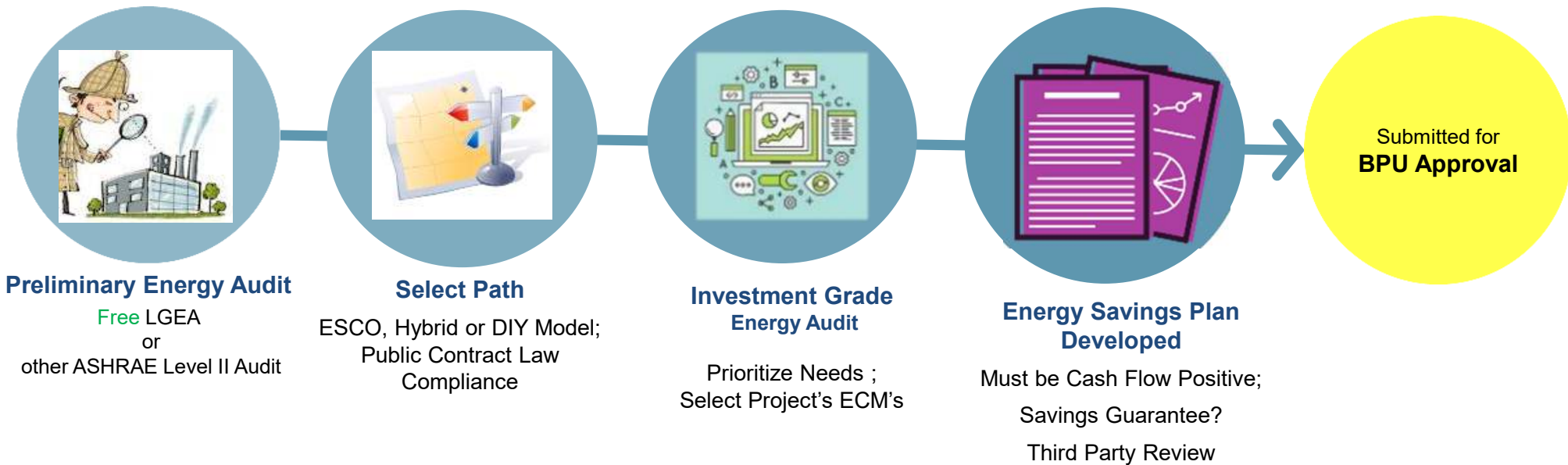
ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- Energy Performance Contracting = NJ ESIP
- A creative tool and financing mechanism that allows public entities to make energy efficiency improvements without impacting their budgets
- Administered by the NJBPU
- Project is paid for with the value of its own energy savings
- 15 or 20 year pay back; self funding
- NJBPU Approved Incentive Programs
 - Utility or NJCEP
- Can be combined with Federal/State Pandemic Relief Funds (ESSER)
- No upfront capital expenses
- No referendum or impact to tax payers



ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP



ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP

FOR MORE INFORMATION

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C&I TRANSITION OF ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com/Transition

LOCAL
GOVERNMENT
CUSTOMERS

COMMERCIAL &
INSTITUTIONAL
CUSTOMERS

LARGE
ENERGY
CUSTOMERS

EXISTING BUILDINGS

MEASUREMENT & AUDITS

FREE Energy Audits



RETROFITS

Prescriptive &
Custom Rebates

Direct Install

Engineered Solutions

And more from
your local utility!



Incentives up
to \$4 million
for eligible projects



NEW CONSTRUCTION

Prescriptive & Custom
Rebates for New
Construction and
Gut Rehabs

Pay for Performance
incentives for
buildings over
50,000 sq. ft.



DISTRIBUTED ENERGY RESOURCES

Combined Heat & Power
and Fuel Cell Installation
Incentives

Microgrid Development

Battery Storage

Muni EV Fleets



Key:
Programs run by investor-owned utility companies



Programs run by NJCEP



UTILITY RUN ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com/Transition

PRESCRIPTIVE & CUSTOM REBATES:

- Individual high efficiency equipment rebates for renovation, remodeling, and equipment replacement
- Flexibility to do a little or a lot
- No size requirement

DIRECT INSTALL:

- Turn-key retrofit program to replace outdated and inefficient equipment including, lighting, HVAC, refrigeration, etc.
- The facility must have an average electric peak demand <200kW in the previous year to qualify

ENGINEERED SOLUTIONS:

- Comprehensive, whole-building approach to saving energy
- The facility must have an average electric peak demand >200kW in the previous year to qualify



UTILITY RUN ENERGY EFFICIENCY PROGRAMS

PSE&G

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SCHOOL & SMALL BUSINESS ENERGY EFFICIENCY STIMULUS PROGRAM

NJCleanEnergy.com/SSBEE

ABOUT

Provides grants to ensure facilities have functional HVAC systems that are tested, adjusted, and, if necessary or cost effective, repaired, upgraded or replaced to improve performance. (SSB-VEEVR)

Provides grants to replace noncompliant plumbing fixtures and appliances that fail to meet water efficiency standards. (SSB-NPFA)

REQUIREMENTS

Assessment verified by a Certified Energy Auditor or TAB Technician and proof of noncompliant equipment.

INCENTIVE CAP

Grants shall provide no more than 75% of the approved project cost up to \$5 million.



FOR MORE INFORMATION

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THANK YOU

