



LGEA Presentation Clark Township & School District

March 7, 2023

New Jersey's Clean Energy Program

Lighting the way to New Jersey's Clean Energy Future

INTRODUCTIONS

- Township of Clark
 - James Ulrich
 - Nicole Castellucci

- Clark Twp BOE
 - Paul Vizzuso
 - John Pingor
 - Edward Grande

- Greener By Design
 - Michael Duffy
 - Carol Mendez Benitez
 - Adam Zellner

- NJ Clean Energy Program
 - Sarah Walters LGEA Project Manager
 - Moussa Traore LGEA Lead Auditor
 - Meredith Coley LGEA Account Manager
 - Eduardo Garcia LGEA Project Auditor
 - Michelle Rossi ESIP Coordinator (BPU)

- Utility Energy Efficiency Programs
 - Casey Hennessy Elizabethtown Gas
 - Kim Byk Elizabethtown Gas



Agenda

- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified & other recommendations
- Energy Savings Improvement Program (ESIP)
- Energy Efficiency Incentive Programs
- Questions regarding the draft audit report
- Next steps for Clark Township and School District



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

Sites Visited/Analyzed

<u>Township</u>

- Town Hall
- Pool
- Firehouse #1 & Garage
- Firehouse #2
- Soccer Field
- Library
- DPW Garage
- Pistol Range

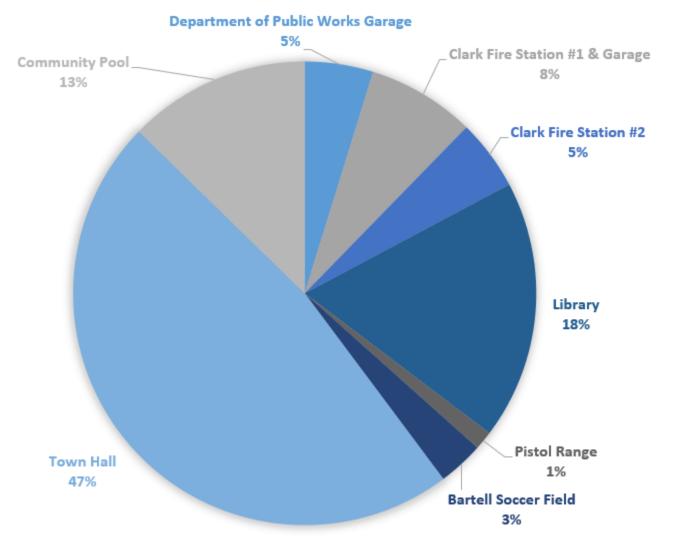
School District

- Valley Road Elementary School
- Frank K Hehnly Elementary School
- Carl H Kumpf Middle School
- Arthur L Johnson High School

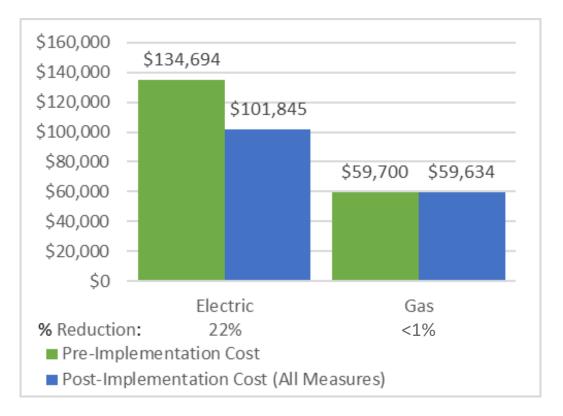


CLARK TOWNSHIP UTILITY BREAKOUT

Percent of Total Annual Energy Costs

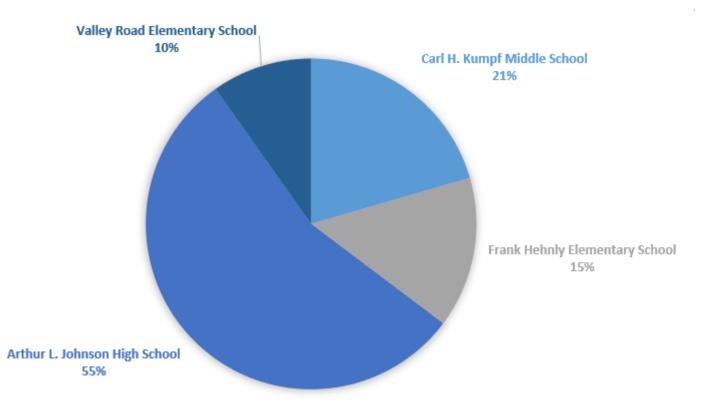


Pre & Post Implementation Cost

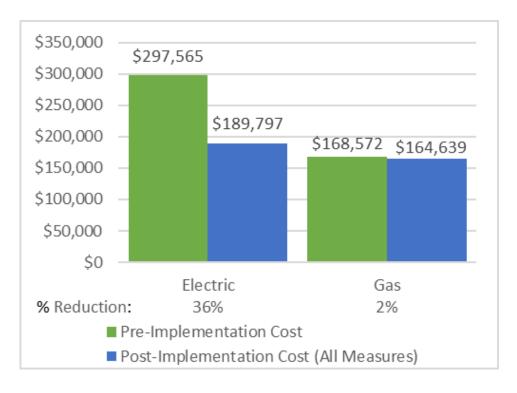


CLARK SCHOOL DISTRICT UTILITY BREAKOUT

Percent of Total Annual Energy Costs

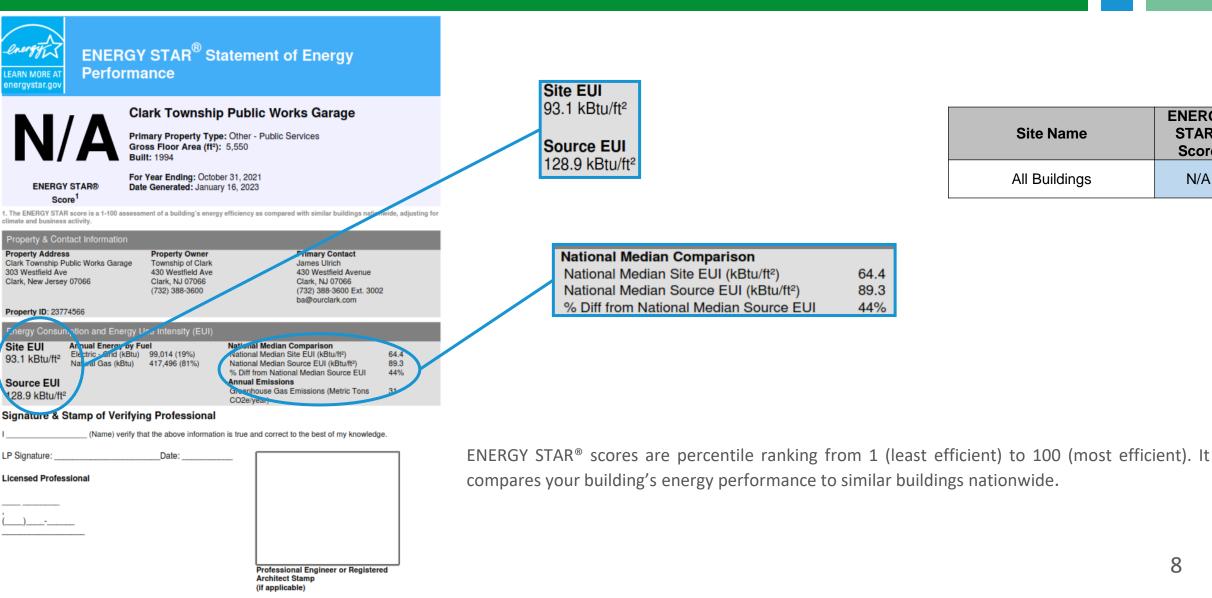


Pre & Post Implementation Cost



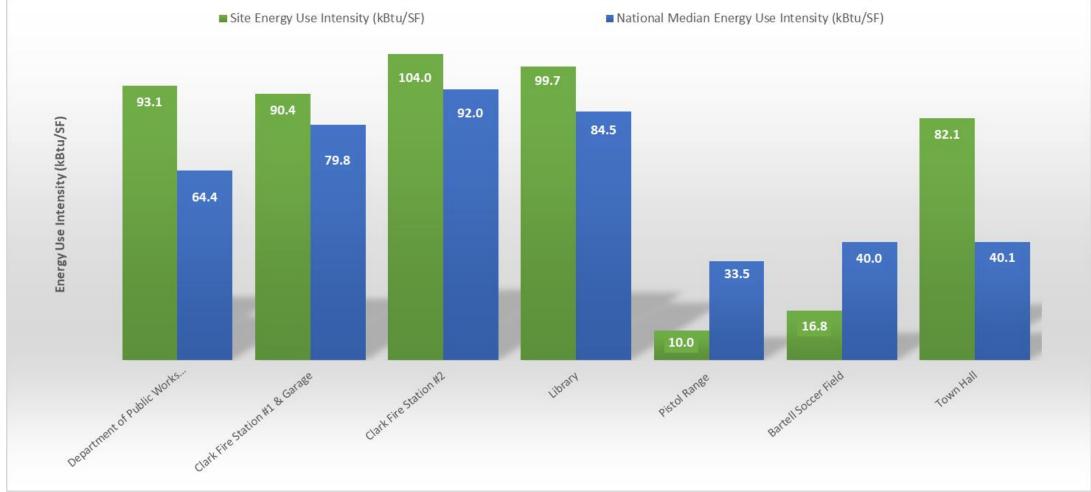


CLARK TOWNSHIP BENCHMARKING



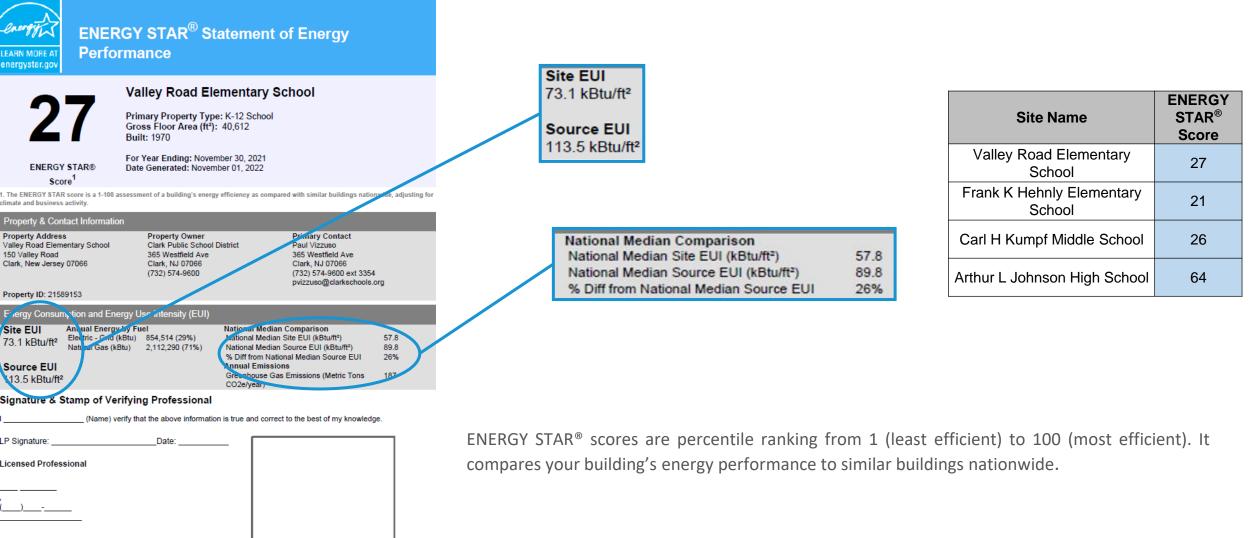
Site Name	ENERGY STAR [®] Score
All Buildings	N/A

CLARK TOWNSHIP BENCHMARKING



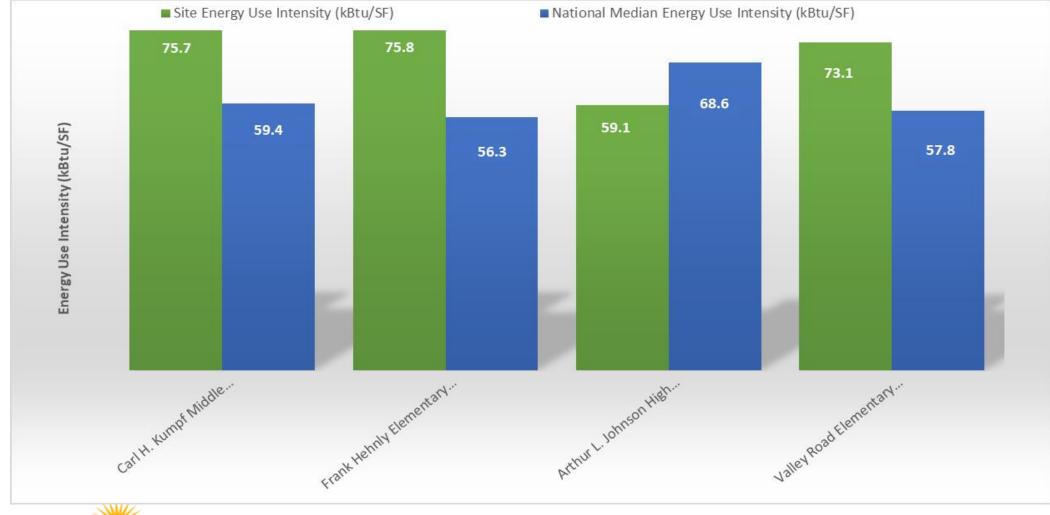


CLARK SCHOOL DISTRICT BENCHMARKING



Professional Engineer or Registered Architect Stamp (if applicable) 10

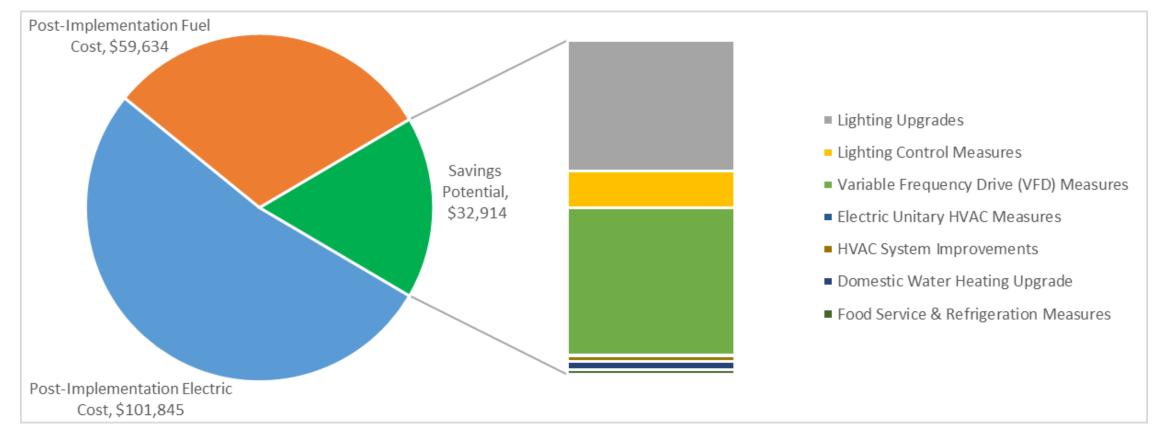
CLARK SCHOOL DISTRICT BENCHMARKING





CLARK TOWNSHIP - ALL OPPORTUNITIES

Savings Potential





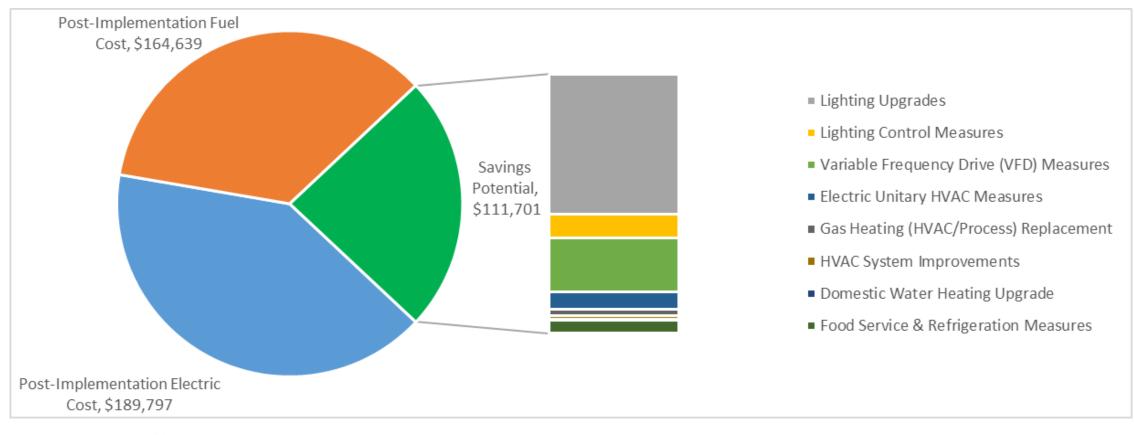
CLARK TOWNSHIP - ALL OPPORTUNITIES

#	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 (Ibs)
Lighting	Upgrades	64,255	7.7	-7.7	\$12,891	\$36,153	\$2,505	\$33,648	2.6	63,807
ECM 1	Install LED Fixtures	21,888	0.0	0.0	\$6,122	\$22,260	\$400	\$21,860	3.6	22,041
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	234	0.1	0.0	\$39	\$153	\$20	\$133	3.5	232
ECM 3	Retrofit Fixtures with LED Lamps	28,122	6.4	-4.9	\$4,432	\$9,250	\$2,085	\$7,165	1.6	27,743
ECM 4	Install LED Exit Signs	14,010	1.3	-2.7	\$2,298	\$4,490	\$0	\$4,490	2.0	13,791
Lighting	Control Measures	21,585	6.4	-4.4	\$3,563	\$26,765	\$8,595	\$18,170	5.1	21,220
ECM 5	Install Occupancy Sensor Lighting Controls	20,964	6.4	-4.4	\$3,464	\$26,045	\$8,595	\$17,450	5.0	20,594
ECM 6	Install Daylight Dimming/Photocell Controls	622	0.0	0.0	\$100	\$720	\$0	\$720	7.2	626
Variable	Frequency Drive (VFD) Measures	81,130	7.9	0.0	\$14,543	\$101,666	\$5,850	\$95,816	6.6	81,697
ECM 7	Install VFDs on Constant Volume (CV) Fans	16,851	3.6	0.0	\$2,706	\$60,153	\$1,075	\$59,078	21.8	16,969
ECM 8	Install VFDs on Heating Water Pumps	13,162	3.6	0.0	\$2,371	\$14,520	\$1,275	\$13,245	5.6	13,254
ECM 9	Install VFDs on Process/Pool Filtration Pumps	51,116	0.7	0.0	\$9 <i>,</i> 465	\$26,993	\$3,500	\$23,493	2.5	51,474
Unitary	HVAC Measures	474	0.1	0.0	\$109	\$942	\$0	\$942	8.6	477
ECM 10	Install High Efficiency Air Conditioning Units	474	0.1	0.0	\$109	\$942	\$0	\$942	8.6	477
HVAC Sy	stem Improvements	2,651	0.0	1.9	\$513	\$1,754	\$280	\$1,474	2.9	2,891
ECM 11	Install Pipe Insulation	2,651	0.0	1.9	\$513	\$1,754	\$280	\$1,474	2.9	2,891
Domesti	c Water Heating Upgrade	3,628	0.0	15.5	\$791	\$1,220	\$324	\$896	1.1	5,471
ECM 12	Install Low-Flow DHW Devices	3,628	0.0	15.5	\$791	\$1,220	\$324	\$896	1.1	5,471
Food Se	rvice & Refrigeration Measures	3,224	0.4	0.0	\$504	\$460	\$100	\$360	0.7	3,246
ECM 13	Vending Machine Control	3,224	0.4	0.0	\$504	\$460	\$100	\$360	0.7	3,246
	TOTALS	176,947	22.5	5.3	\$32,914	\$168,959	\$17,654	\$151,305	4.6	178,810

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

CLARK SCHOOL DISTRICT - ALL OPPORTUNITIES

Savings Potential





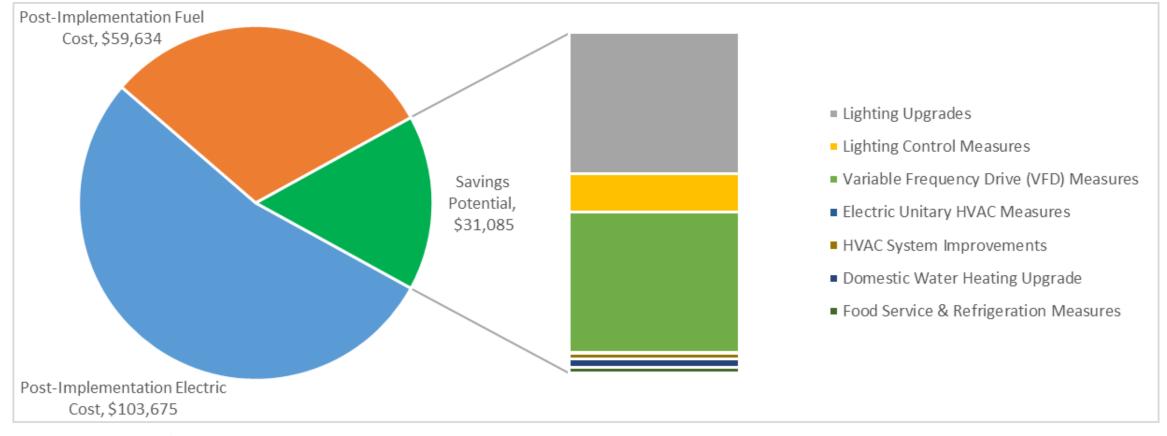
CLARK SCHOOL DISTRICT - ALL OPPORTUNITIES

#	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	436,332	128.1	-89.6	\$60,438	\$206,243	\$51,407	\$154,836	2.6	428,896
ECM 1	Install LED Fixtures	15,658	6.8	-1.6	\$2,295	\$17,952	\$1,505	\$16,447	7.2	15,579
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	251	0.1	-0.1	\$37	\$202	\$20	\$182	4.9	246
ECM 3	Retrofit Fixtures with LED Lamps	420,423	121.1	-87.9	\$58,106	\$188,088	\$49,882	\$138,206	2.4	413,071
Lighting	Control Measures	70,150	17.1	-14.7	\$10,255	\$77,446	\$21,515	\$55,931	5.5	68,923
ECM 4	Install Occupancy Sensor Lighting Controls	57,985	14.4	-12.1	\$8,519	\$57 <i>,</i> 646	\$7,270	\$50 <i>,</i> 376	5.9	56,971
ECM 5	Install High/Low Lighting Controls	12,165	2.7	-2.5	\$1,736	\$19,800	\$14,245	\$5,555	3.2	11,952
Variable	Frequency Drive (VFD) Measures	155,420	57.0	26.1	\$23,173	\$175,034	\$17,375	\$157,659	6.8	159,559
ECM 6	Install VFDs on Constant Volume (CV) Fans	134,811	54.1	0.0	\$19,914	\$152,690	\$13,300	\$139,390	7.0	135,753
ECM 7	Install VFDs on Heating Water Pumps	17,229	2.9	0.0	\$2,461	\$18,953	\$4,000	\$14,953	6.1	17,349
ECM 8	Install VFDs on Kitchen Hood Fan Motors	3,380	0.0	26.1	\$797	\$3,391	\$75	\$3,316	4.2	6,456
Electric L	Initary HVAC Measures	52,790	63.0	6.7	\$7,397	\$532,985	\$26,960	\$506,025	68.4	53,947
ECM 9	Install High Efficiency Air Conditioning Units	40,095	45.1	6.7	\$5,841	\$474,649	\$23,510	\$451,139	77.2	41,164
ECM 10	Install High Efficiency Heat Pumps	12,695	17.9	0.0	\$1,556	\$58,336	\$3,450	\$54 <i>,</i> 886	35.3	12,783
Gas Heat	ing (HVAC/Process) Replacement	0	0.0	254.6	\$2,703	\$41,588	\$2,500	\$39,088	14.5	29,806
ECM 11	Install High Efficiency Furnaces	0	0.0	254.6	\$2,703	\$41,588	\$2,500	\$39,088	14.5	29,806
HVAC Sy	stem Improvements	1,413	0.0	125.1	\$1,550	\$15,278	\$102	\$15,176	9.8	16,068
ECM 12	Implement Demand Control Ventilation (DCV)	1,413	0.0	106.0	\$1,363	\$14,954	\$0	\$14,954	11.0	13,834
ECM 13	Install Pipe Insulation	0	0.0	19.1	\$187	\$324	\$102	\$222	1.2	2,234
Domesti	c Water Heating Upgrade	0	0.0	54.6	\$570	\$825	\$412	\$412	0.7	6,389
ECM 14	Install Low-Flow DHW Devices	0	0.0	54.6	\$570	\$825	\$412	\$412	0.7	6,389
Food Ser	vice & Refrigeration Measures	37,177	4.1	13.3	\$5,615	\$32,469	\$2,455	\$30,014	5.3	38,988
ECM 15	Food Service Equipment Replacement	0	0.0	13.3	\$127	\$9,290	\$500	\$8,790	69.4	1,551
ECM 16	Dishwasher Replacement	23,216	2.7	0.0	\$3,411	\$18,540	\$1,400	\$17,140	5.0	23,378
ECM 17	Refrigerator/Freezer Case Electrically Commutated Motors	524	0.1	0.0	\$79	\$607	\$80	\$527	6.7	528
ECM 18	Refrigeration Controls	1,812	0.0	0.0	\$273	\$2,193	\$125	\$2,068	7.6	1,825
ECM 19	Vending Machine Control	11,625	1.3	0.0	\$1,726	\$1,840	\$350	\$1,490	0.9	11,707
	TOTALS	753,282	269.2	376.0	\$111,701	\$1,081,866	\$122,726	\$959,140	8.6	802,576

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

CLARK TOWNSHIP - COST EFFECTIVE OPPORTUNITIES

Savings Potential





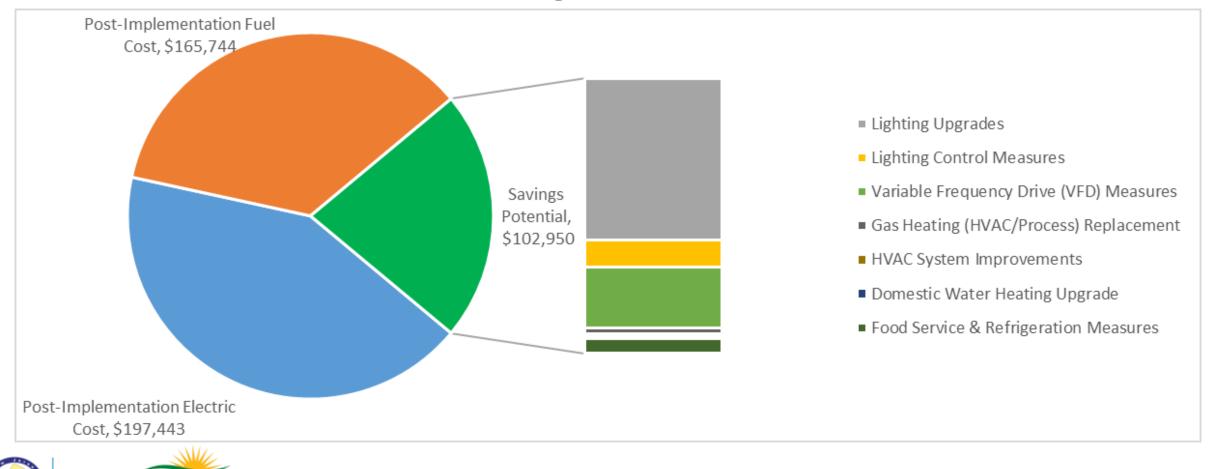
CLARK TOWNSHIP - COST EFFECTIVE OPPORTUNITIES

#	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	64,255	7.7	-7.7	\$12,891	\$36,153	\$2,505	\$33,648	2.6	63,807
ECM 1	Install LED Fixtures	21,888	0.0	0.0	\$6,122	\$22,260	\$400	\$21,860	3.6	22,041
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	234	0.1	0.0	\$39	\$153	\$20	\$133	3.5	232
ECM 3	Retrofit Fixtures with LED Lamps	28,122	6.4	-4.9	\$4 <i>,</i> 432	\$9,250	\$2,085	\$7,165	1.6	27,743
ECM 4	Install LED Exit Signs	14,010	1.3	-2.7	\$2,298	\$4,490	\$0	\$4,490	2.0	13,791
Lighting	Control Measures	21,322	6.2	-4.4	\$3,514	\$25,029	\$8,365	\$16,664	4.7	20,955
ECM 5	Install Occupancy Sensor Lighting Controls	20,701	6.2	-4.4	\$3,415	\$24,309	\$8,365	\$15,944	4.7	20,329
ECM 6	Install Daylight Dimming/Photocell Controls	622	0.0	0.0	\$100	\$720	\$0	\$720	7.2	626
Variable	Frequency Drive (VFD) Measures	71,243	5.5	0.0	\$12,762	\$52,036	\$5,000	\$47,036	3.7	71,742
ECM 7	Install VFDs on Constant Volume (CV) Fans	6,965	1.2	0.0	\$926	\$10,523	\$225	\$10,298	11.1	7,014
ECM 8	Install VFDs on Heating Water Pumps	13,162	3.6	0.0	\$2,371	\$14,520	\$1,275	\$13,245	5.6	13,254
ECM 9	Install VFDs on Process/Pool Filtration Pumps	51,116	0.7	0.0	\$9 <i>,</i> 465	\$26,993	\$3,500	\$23,493	2.5	51,474
Unitary I	HVAC Measures	474	0.1	0.0	\$109	\$942	\$0	\$942	8.6	477
ECM 10	Install High Efficiency Air Conditioning Units	474	0.1	0.0	\$109	\$942	\$0	\$942	8.6	477
HVAC Sy	stem Improvements	2,651	0.0	1.9	\$513	\$1,754	\$280	\$1,474	2.9	2,891
ECM 11	Install Pipe Insulation	2,651	0.0	1.9	\$513	\$1,754	\$280	\$1,474	2.9	2,891
Domesti	c Water Heating Upgrade	3,628	0.0	15.5	\$791	\$1,220	\$324	\$896	1.1	5,471
ECM 12	Install Low-Flow DHW Devices	3,628	0.0	15.5	\$791	\$1,220	\$324	\$896	1.1	5,471
Food Ser	vice & Refrigeration Measures	3,224	0.4	0.0	\$504	\$460	\$100	\$360	0.7	3,246
ECM 13	Vending Machine Control	3,224	0.4	0.0	\$504	\$460	\$100	\$360	0.7	3,246
	TOTALS	166,797	20.0	5.3	\$31,085	\$117,593	\$16,574	\$101,019	3.2	168,589

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

CLARK SCHOOL DISTRICT - COST EFFECTIVE OPPORTUNITIES

Savings Potential



CLARK SCHOOL DISTRICT - 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 (\$)		CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	436,332	128.1	-89.6	\$60,438	\$206,243	\$51,407	\$154,836	2.6	428,896
ECM 1	Install LED Fixtures	15,658	6.8	-1.6	\$2,295	\$17,952	\$1,505	\$16,447	7.2	15,579
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	251	0.1	-0.1	\$37	\$202	\$20	\$182	4.9	246
ECM 3	Retrofit Fixtures with LED Lamps	420,423	121.1	-87.9	\$58,106	\$188,088	\$49,882	\$138,206	2.4	413,071
Lighting	Control Measures	70,150	17.1	-14.7	\$10,255	\$77,446	\$21,515	\$55,931	5.5	68,923
ECM 4	Install Occupancy Sensor Lighting Controls	57,985	14.4	-12.1	\$8,519	\$57,646	\$7,270	\$50,376	5.9	56,971
ECM 5	Install High/Low Lighting Controls	12,165	2.7	-2.5	\$1,736	\$19,800	\$14,245	\$5,555	3.2	11,952
Variable	Frequency Drive (VFD) Measures	151,573	55.8	26.1	\$22,807	\$168,512	\$17,175	\$151,337	6.6	155,685
ECM 6	Install VFDs on Constant Volume (CV) Fans	130,964	52.9	0.0	\$19,548	\$146,168	\$13,100	\$133,068	6.8	131,879
ECM 7	Install VFDs on Heating Water Pumps	17,229	2.9	0.0	\$2,461	\$18,953	\$4,000	\$14,953	6.1	17,349
ECM 8	Install VFDs on Kitchen Hood Fan Motors	3,380	0.0	26.1	\$797	\$3,391	\$75	\$3,316	4.2	6,456
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	180.7	\$1,997	\$27,807	\$1,500	\$26,307	13.2	21,157
ECM 11	Install High Efficiency Furnaces	0	0.0	180.7	\$1,997	\$27,807	\$1,500	\$26,307	13.2	21,157
HVAC Sy	stem Improvements	1,198	0.0	112.0	\$1,394	\$12,559	\$102	\$12,457	8.9	14,317
ECM 12	Implement Demand Control Ventilation (DCV)	1,198	0.0	92.9	\$1,207	\$12,235	\$0	\$12,235	10.1	12,083
ECM 13	Install Pipe Insulation	0	0.0	19.1	\$187	\$324	\$102	\$222	1.2	2,234
Domesti	c Water Heating Upgrade	0	0.0	54.6	\$570	\$825	\$412	\$412	0.7	6,389
ECM 14	Install Low-Flow DHW Devices	0	0.0	54.6	\$570	\$825	\$412	\$412	0.7	6,389
Food Se	rvice & Refrigeration Measures	37,177	4.1	0.0	\$5,489	\$23,179	\$1,955	\$21,224	3.9	37,437
ECM 16	Dishwasher Replacement	23,216	2.7	0.0	\$3,411	\$18,540	\$1,400	\$17,140	5.0	23,378
ECM 17	Refrigerator/Freezer Case Electrically Commutated Motors	524	0.1	0.0	\$79	\$607	\$80	\$527	6.7	528
	Refrigeration Controls	1,812	0.0	0.0	\$273	\$2,193	\$125	\$2,068	7.6	1,825
ECM 19	Vending Machine Control	11,625	1.3	0.0	\$1,726	\$1,840	\$350	\$1,490	0.9	11,707
	TOTALS	696,431	205.1	269.1	\$102,950	\$516,571	\$94,066	\$422,504	4.1	732,804

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

CLARK TOWNSHIP – INDIVIDUAL BUILDING SUMMARY TABLES





TOWN HALL

#	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		30,117	2.7	-2	\$4,680	\$6,278	\$880	\$5,398	1.2	30,049
ECM 1	Install LED Fixtures	Yes	18,650	0.0	0	\$2 <i>,</i> 915	\$1,982	\$250	\$1,732	0.6	18,780
ECM 2	Retrofit Fixtures with LED Lamps	Yes	5 <i>,</i> 685	2.1	-1	\$876	\$2 <i>,</i> 485	\$630	\$1,855	2.1	5 <i>,</i> 588
ECM 3	Install LED Exit Signs	Yes	5,782	0.6	-1	\$890	\$1,810	\$0	\$1,810	2.0	5 <i>,</i> 680
Lighting	Control Measures		6,902	2.5	-1	\$1,064	\$10,380	\$2,030	\$8,350	7.8	6,794
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	6,394	2.5	-1	\$984	\$10,180	\$2,030	\$8,150	8.3	6,282
ECM 5	Install Photocell Controls	Yes	508	0.0	0	\$79	\$200	\$0	\$200	2.5	512
Domesti	c Water Heating Upgrade		1,946	0.0	3	\$334	\$158	\$73	\$85	0.3	2,274
ECM 6	Install Low-Flow DHW Devices	Yes	1,946	0.0	3	\$334	\$158	\$73	\$85	0.3	2,274
Food Sei	vice & Refrigeration Measures		3,224	0.4	0	\$504	\$460	\$100	\$360	0.7	3,246
ECM 7	Vending Machine Control	Yes	3,224	0.4	0	\$504	\$460	\$100	\$360	0.7	3,246
	TOTALS (COST EFFECTIVE MEASURES)		42,188	5.5	-1	\$6,582	\$17,276	\$3,083	\$14,193	2.2	42,362
	TOTALS (ALL MEASURES)		42,188	5.5	-1	\$6,582	\$17,276	\$3,083	\$14,193	2.2	42,362

* - 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.



POOL

#	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)**	CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		2,554	0.6	0	\$473	\$1,412	\$233	\$1,179	2.5	2,572
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	91	0.0	0	\$17	\$69	\$10	\$59	3.5	91
ECM 2	Retrofit Fixtures with LED Lamps	Yes	1,202	0.5	0	\$223	\$909	\$223	\$686	3.1	1,210
ECM 3	Install LED Exit Signs	Yes	1,261	0.1	0	\$234	\$434	\$0	\$434	1.9	1,270
Lighting	Control Measures		263	0.1	0	\$49	\$1,736	\$230	\$1,506	30.9	265
ECM 4	Install Occupancy Sensor Lighting Controls	No	263	0.1	0	\$49	\$1,736	\$230	\$1,506	30.9	265
Variable	Frequency Drive (VFD) Measures		51,116	0.7	0	\$9,465	\$26,993	\$3,500	\$23,493	2.5	51,474
ECM 5	Install VFDs on Process/Pool Filtration Pumps	Yes	51,116	0.7	0	\$9,465	\$26,993	\$3,500	\$23,493	2.5	51,474
HVAC Sy	stem Improvements		2,651	0.0	0	\$491	\$1,515	\$240	\$1,275	2.6	2,670
ECM 6	Install Pipe Insulation	Yes	2,651	0.0	0	\$491	\$1,515	\$240	\$1,275	2.6	2,670
Domesti	ic Water Heating Upgrade		1,339	0.0	0	\$248	\$808	\$163	\$644	2.6	1,348
ECM 7	Install Low-Flow DHW Devices	Yes	1,339	0.0	0	\$248	\$808	\$163	\$644	2.6	1,348
	TOTALS (COST EFFECTIVE MEASURES)		57,660	1.3	0	\$10,677	\$30,728	\$4,136	\$26,591	2.5	58,063
	TOTALS (ALL MEASURES)		57,923	1.4	0	\$10,726	\$32,464	\$4,366	\$28,097	2.6	58,328

* - 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.

FIREHOUSE #1 & GARAGE

#	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 (\$)		CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		7,023	0.7	-1	\$921	\$1,912	\$329	\$1,583	1.7	6,936
ECM 1	Install LED Fixtures	Yes	1,288	0.0	0	\$171	\$788	\$150	\$638	3.7	1,297
ECM 2	Retrofit Fixtures with LED Lamps	Yes	5,315	0.7	-1	\$695	\$979	\$179	\$800	1.2	5,227
ECM 3	Install LED Exit Signs	Yes	420	0.0	0	\$55	\$145	\$0	\$145	2.6	412
Lighting	Control Measures		907	0.1	0	\$118	\$2,168	\$270	\$1,898	16.0	891
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	846	0.1	0	\$110	\$1,968	\$270	\$1,698	15.4	829
ECM 5	Install Photocell Controls	Yes	61	0.0	0	\$8	\$200	\$0	\$200	24.5	62
Variable	Frequency Drive (VFD) Measures		6,965	1.2	0	\$926	\$10,523	\$225	\$10,298	11.1	7,014
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	6,965	1.2	0	\$926	\$10,523	\$225	\$10,298	11.1	7,014
Domest	ic Water Heating Upgrade		0	0.0	4	\$42	\$57	\$26	\$32	0.8	444
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	4	\$42	\$57	\$26	\$32	0.8	444
	TOTALS (COST EFFECTIVE MEASURES)		14,895	2.0	2	\$2,007	\$14,660	\$850	\$13,811	6.9	15,285
	TOTALS (ALL MEASURES)		14,895	2.0	2	\$2,007	\$14,660	\$850	\$13,811	6.9	15,285

* - 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.

FIREHOUSE #2

#	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 (\$)		CO2e Emissions Reduction (lbs)
Lighting	Upgrades		6,977	1.4	-1	\$964	\$2,007	\$451	\$1,556	1.6	6,852
ECM 1	Retrofit Fixtures with LED Lamps	Yes	6,296	1.3	-1	\$870	\$1,790	\$451	\$1,339	1.5	6,183
ECM 2	Install LED Exit Signs	Yes	681	0.1	0	\$94	\$217	\$0	\$217	2.3	669
Lighting	Control Measures		1,733	0.4	0	\$239	\$1,466	\$195	\$1,271	5.3	1,702
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	1,733	0.4	0	\$239	\$1,466	\$195	\$1,271	5.3	1,702
Domesti	c Water Heating Upgrade		0	0.0	2	\$28	\$118	\$28	\$90	3.2	281
ECM 4	Install Low-Flow DHW Devices	Yes	0	0.0	2	\$28	\$118	\$28	\$90	3.2	281
	TOTALS (COST EFFECTIVE MEASURES)		8,710	1.7	1	\$1,232	\$3,591	\$674	\$2,917	2.4	8,835
	TOTALS (ALL MEASURES)		8,710	1.7	1	\$1,232	\$3,591	\$674	\$2,917	2.4	8,835

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



Soccer Field

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Payback	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		1,950	0.0	0	\$3,037	\$19,490	\$1,200	\$18,290	6.0	1,964
ECM 1	Install LED Fixtures	Yes	1,950	0.0	0	\$3 <i>,</i> 037	\$19 <i>,</i> 490	\$1,200	\$18,290	6.0	1,964
	TOTALS (COST EFFECTIVE MEASURES)		1,950	0.0	0	\$3,037	\$19,490	\$1,200	\$18,290	6.0	1,964
	TOTALS (ALL MEASURES)		1,950	0.0	0	\$3,037	\$19,490	\$1,200	\$18,290	6.0	1,964

* - 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.



LIBRARY

#	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 (\$)		CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		10,196	1.3	-2	\$1,817	\$3,137	\$265	\$2,872	1.6	10,067
ECM 1	Retrofit Fixtures with LED Lamps	Yes	4,973	0.8	-1	\$889	\$1,471	\$265	\$1,206	1.4	4,938
ECM 2	Install LED Exit Signs	Yes	5,222	0.5	-1	\$928	\$1,666	\$O	\$1,666	1.8	5,129
Lighting	Control Measures		10,745	3.0	-2	\$1,909	\$9,767	\$5,710	\$4,057	2.1	10,552
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	10,745	3.0	-2	\$1,909	\$9,767	\$5,710	\$4,057	2.1	10,552
Variable	Frequency Drive (VFD) Measures		21,862	5.7	0	\$3,939	\$55,096	\$1,975	\$53,121	13.5	22,015
ECM 4	Install VFDs on Constant Volume (CV) Fans	No	8,699	2.2	0	\$1,567	\$40,576	\$700	\$39,876	25.4	8,760
ECM 5	Install VFDs on Heating Water Pumps	Yes	13,162	3.6	0	\$2,371	\$14,520	\$1,275	\$13,245	5.6	13,254
HVAC Sy	stem Improvements		0	0.0	2	\$22	\$239	\$40	\$199	9.0	221
ECM 6	Install Pipe Insulation	Yes	0	0.0	2	\$22	\$239	\$40	\$199	9.0	221
Domesti	c Water Heating Upgrade		343	0.0	6	\$128	\$65	\$28	\$37	0.3	1,013
ECM 7	Install Low-Flow DHW Devices	Yes	343	0.0	6	\$128	\$65	\$28	\$37	0.3	1,013
	TOTALS (COST EFFECTIVE MEASURES)		34,447	7.9	4	\$6,248	\$27,727	\$7,318	\$20,409	3.3	35,108
	TOTALS (ALL MEASURES)		43,146	10.0	4	\$7,815	\$68,302	\$8,018	\$60,285	7.7	43,868

* - 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.

DPW GARAGE

#	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		2,932	0.8	-1	\$445	\$1,233	\$265	\$968	2.2	2,875
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	143	0.0	0	\$22	\$84	\$10	\$74	3.4	140
ECM 2	Retrofit Fixtures with LED Lamps	Yes	2,146	0.7	0	\$326	\$931	\$255	\$676	2.1	2,104
ECM 3	Install LED Exit Signs	Yes	643	0.1	0	\$98	\$217	\$0	\$217	2.2	631
Lighting	Control Measures		613	0.2	0	\$93	\$896	\$120	\$776	8.3	601
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	613	0.2	0	\$93	\$696	\$120	\$576	6.2	601
ECM 5	Install Photocell Controls	Yes	0	0.0	0	\$0	\$200	\$0	\$200	0.0	0
Variable	Frequency Drive (VFD) Measures		791	0.2	0	\$122	\$6,036	\$100	\$5,936	48.6	797
ECM 6	Install VFDs on Constant Volume (CV) Fans	No	791	0.2	0	\$122	\$6,036	\$100	\$5,936	48.6	797
Domesti	c Water Heating Upgrade		0	0.0	1	\$11	\$14	\$7	\$7	0.7	111
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	1	\$11	\$14	\$7	\$7	0.7	111
	TOTALS (COST EFFECTIVE MEASURES)		3,545	1.0	0	\$549	\$2,143	\$392	\$1,751	3.2	3,587
	TOTALS (ALL MEASURES)		4,336	1.2	0	\$671	\$8,179	\$492	\$7,687	11.4	4,384

* - 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.



PISTOL RANGE

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		2,505	0.2	0	\$555	\$684	\$82	\$602	1.1	2,492
ECM 1	Retrofit Fixtures with LED Lamps	Yes	2,505	0.2	0	\$555	\$684	\$82	\$602	1.1	2,492
Lighting	Control Measures		422	0.1	0	\$90	\$352	\$40	\$312	3.5	416
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	370	0.1	0	\$78	\$232	\$40	\$192	2.5	363
ECM 3	Install Photocell Controls	Yes	52	0.0	0	\$12	\$120	\$0	\$120	10.0	53
Variable	Frequency Drive (VFD) Measures		396	0.1	0	\$91	\$3,018	\$50	\$2,968	32.6	398
ECM 4	Install VFDs on Constant Volume (CV) Fans	No	396	0.1	0	\$91	\$3,018	\$50	\$2,968	32.6	398
Unitary	HVAC Measures		474	0.1	0	\$109	\$942	\$0	\$942	8.6	477
ECM 5	Install High Efficiency Air Conditioning Units	Yes	474	0.1	0	\$109	\$942	\$0	\$942	8.6	477
	TOTALS (COST EFFECTIVE MEASURES)		3,401	0.5	0	\$754	\$1,978	\$122	\$1,856	2.5	3,385
	TOTALS (ALL MEASURES)		3,796	0.6	0	\$845	\$4,996	\$172	\$4,824	5.7	3,783

* - 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.



CLARK SCHOOL DISTRICT – INDIVIDUAL BUILDING SUMMARY TABLES





VALLEY ROAD 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		55,130	19.8	-12	\$5,130	\$31,397	\$8,379	\$23,018	4.5	54,167
ECM 1	Retrofit Fixtures with LED Lamps	Yes	55,130	19.8	-12	\$5,130	\$31,397	\$8,379	\$23,018	4.5	54,167
Lighting	Control Measures		1,078	0.4	0	\$100	\$2,295	\$1,470	\$825	8.2	1,059
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	267	0.1	0	\$25	\$270	\$35	\$235	9.5	262
ECM 3	Install High/Low Lighting Controls	Yes	811	0.3	0	\$75	\$2,025	\$1,435	\$590	7.8	797
Variable	Frequency Drive (VFD) Measures		3,847	1.2	0	\$366	\$6,522	\$200	\$6,322	17.3	3,874
ECM 4	Install VFDs on Constant Volume (CV) Fans	No	3,847	1.2	0	\$366	\$6,522	\$200	\$6,322	17.3	3,874
Unitary	HVAC Measures		9,477	11.5	0	\$901	\$72,557	\$3,122	\$69,436	77.0	9,543
ECM 5	Install High Efficiency Air Conditioning Units	No	3,297	4.2	0	\$314	\$47,194	\$1,622	\$45,572	145.3	3,320
ECM 6	Install High Efficiency Heat Pumps	No	6,179	7.3	0	\$588	\$25,363	\$1,500	\$23,863	40.6	6,223
HVAC Sy	rstem Improvements		0	0.0	14	\$137	\$255	\$78	\$177	1.3	1,617
ECM 7	Install Pipe Insulation	Yes	0	0.0	14	\$137	\$255	\$78	\$177	1.3	1,617
Domest	c Water Heating Upgrade		0	0.0	6	\$56	\$86	\$43	\$43	0.8	667
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	6	\$56	\$86	\$43	\$43	0.8	667
	TOTALS (COST EFFECTIVE MEASURES)		56,208	20.2	8	\$5,423	\$34,033	\$9,970	\$24,063	4.4	57,509
	TOTALS (ALL MEASURES)		69,532	32.8	8	\$6,690	\$113,112	\$13,292	\$99,821	14.9	70,926

* - 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.

FRANK HEHNLY 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 (Ibs)
Lighting	Upgrades		80,327	24.1	-17	\$11,429	\$37,625	\$10,039	\$27,586	2.4	78,922
ECM 1	Install LED Fixtures	Yes	187	0.2	0	\$27	\$417	\$50	\$367	13.8	184
ECM 2	Retrofit Fixtures with LED Lamps	Yes	80,140	23.9	-17	\$11,402	\$37,208	\$9,989	\$27,219	2.4	78,739
Lighting	Control Measures		3,292	0.8	-1	\$468	\$5,800	\$2,250	\$3,550	7.6	3,235
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	1,825	0.5	0	\$260	\$3,550	\$395	\$3,155	12.2	1,793
ECM 4	Install High/Low Lighting Controls	Yes	1,468	0.3	0	\$209	\$2,250	\$1,855	\$395	1.9	1,442
Variable	e Frequency Drive (VFD) Measures		18,155	3.9	0	\$2,620	\$17,245	\$2,400	\$14,845	5.7	18,282
ECM 5	Install VFDs on Constant Volume (CV) Fans	Yes	9,163	2.4	0	\$1,322	\$7,768	\$400	\$7,368	5.6	9,228
ECM 6	Install VFDs on Heating Water Pumps	Yes	8,992	1.4	0	\$1,298	\$9,476	\$2,000	\$7,476	5.8	9,055
Unitary	HVAC Measures		5,395	6.8	o	\$779	\$69,499	\$2,310	\$67,189	86.3	5,432
ECM 7	Install High Efficiency Air Conditioning Units	No	5,395	6.8	0	\$779	\$69,499	\$2,310	\$67,189	86.3	5,432
Domest	ic Water Heating Upgrade		0	0.0	8	\$79	\$122	\$61	\$61	0.8	944
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	8	\$79	\$122	\$61	\$61	0.8	944
Food Se	rvice & Refrigeration Measures		1,612	0.2	0	\$233	\$230	\$50	\$180	0.8	1,623
ECM 9	Vending Machine Control	Yes	1,612	0.2	0	\$233	\$230	\$50	\$180	0.8	1,623
	TOTALS (COST EFFECTIVE MEASURES)	103,387	29.0	-9	\$14,829	\$61,022	\$14,800	\$46,222	3.1	103,007	
	TOTALS (ALL MEASURES) 108,782 35.8 -9 \$15,608 \$130,521 \$17,110 \$113,411 7.3 108,439										108,439
* - All ince	* - 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.										

CARL H. KUMPF MIDDLE SCHOOL

ECM1 Install LED Fixtures Yes 4,876 4.3 -1 5679 59,314 500 58,414 12.4 4,79 ECM2 Retroft Fixtures with LED Lamps Yes 78,573 28.3 -16 510,942 545,685 512,284 533,401 3.1 77,15 Lighting Control Measures 7,545 2.5 -2 \$1,051 \$12,692 \$3,850 \$8,842 8.4 7,444 ECM3 Install Occupanty Sensor Lighting Controls Yes 1,602 0.5 0 \$223 \$4,050 \$2,765 \$1,285 5.8 1,57 Variable Frequency Drive (VFD) Measures Yes 1,602 0.5 0 \$2,925 \$30,548 \$2,770 \$27,798 9.5 20,84 ECM6 Install VPEson Heating Water Pumps Yes 1,247 3.9 0 \$1,761 \$21,071 \$750 \$20,311 11.5 12,52 ECM6 Install VPEson Heating Water Pumps Yes 8,2371 10.1 0 \$1,020 \$7,476 <th>#</th> <th>Energy Conservation Measure</th> <th>Cost Effective?</th> <th>Annual Electric Savings (kWh)</th> <th>Peak Demand Savings (kW)</th> <th>Annual Fuel Savings (MMBtu)</th> <th>Annual Energy Cost Savings (\$)</th> <th>Estimated M&L Cost (\$)</th> <th>Estimated Incentive (\$)*</th> <th>Estimated Net M&L Cost (\$)</th> <th>Simple Payback Period (yrs)**</th> <th>CO₂e Emissions Reduction (Ibs)</th>	#	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 (Ibs)
ECM2 Retrofit Fixtures with LED Lamps Yes 78,573 28.3 -16 \$10,942 \$45,685 \$12,284 \$33,401 3.1 77,155 Lighting Control Measures 7,545 2.5 -2 \$1,061 \$12,692 \$3,800 \$58,842 8.4 74.13 ECM3 Install Occupancy Sensor Lighting Controls Yes 1,602 0.5 0 \$223 \$3,054 \$2,755 \$1,285 \$8,157 Variable Frequency Drive (VFD) Measures Yes 12,467 3.9 0 \$1,761 \$21,071 \$750 \$20,321 11.5 12,555 ECM6 Install VFDs on Constant Volume (CV) Fans Yes 12,467 3.9 0 \$1,761 \$21,071 \$750 \$20,321 11.5 12,555 ECM6 Install VFDs on Constant Volume (CV) Fans Yes 12,467 3.9 0 \$1,761 \$21,071 \$750 \$20,321 11.5 12,555 ECM6 Install High Efficiency Air Conditioning Units No \$4263 1.74 0 \$	Lighting	y Upgrade s		83,449	32.6	-17	\$11,621	\$55,000	\$13,184	\$41,816	3.6	81,989
Lighting Control Measures 7,545 2.5 -2 \$1,051 \$12,692 \$3,850 \$8,842 8.4 7,411 ECM3 Install Occupancy Sensor Lighting Controls Yes 5,943 1.9 -1 \$828 \$8,642 \$1,085 \$7,557 9.1 5,833 ECM4 Install High/Low Lighting Controls Yes 1,602 0.5 0 \$2233 \$4,050 \$2,755 \$1,285 5.8 1,57 Variable Frequency Drive (VFD) Measures Yes 1,602 0.5 \$2,925 \$30,548 \$2,750 \$22,021 11.5 12,25 ECM5 Install VEDs on Constant Volume (CV) Fans Yes 8,237 1.4 0 \$1,164 59,476 \$2,000 \$7,476 64.8,297 Unitary HVAC Measures 7,274 10.1 0 \$1,027 \$97,103 \$4,390 \$92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7,4 0 \$826 \$90,340 \$3,990 \$86,350 <	ECM1	Install LED Fixtures	Yes	4,876	4.3	-1	\$679	\$9,314	\$900	\$8,414	12.4	4,790
ECM3 Install Occupancy Sensor Lighting Controls Yes 5,943 1.9 -1 S828 S8,642 S1,085 S7,57 9.1 5,883 ECM4 Install High/Low Lighting Controls Yes 1,602 0.5 0 5223 54,050 52,765 S1,285 5.8 1,574 Variable Frequency Drive (VFD) Measures Zo,704 5.4 0 S2,225 S30,548 52,750 527,798 9.5 20,84 ECM5 Install VFDs on Heating Water Pumps Yes 12,467 3.9 0 S1,164 59,476 52,000 S7,476 6.4 8,292 Unitary HVAC Measures 7,274 10.1 0 S1,027 S97,103 S4,390 S92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 S826 S30,340 S3,990 S86,350 104.6 5,888 ECM8 Install High Efficiency Air Conditioning Units No 1,428 2.7 0 S50	ECM 2	Retrofit Fixtures with LED Lamps	Yes	78,573	28.3	- 16	\$10,942	\$45,685	\$12,284	\$33,401	3.1	77,199
ECM4 Install High/Low Lighting Controls Yes 1,602 0.5 0 \$223 \$4,050 \$2,765 \$1,285 5.8 1,577 Variable Frequency Drive (VFD) Measures 20,704 5.4 0 \$2,925 \$30,548 \$2,750 \$27,798 9.5 20,84 ECM5 Install VEDs on Constant Volume (CV) Fans Yes 8,237 1.4 0 \$1,164 \$39,476 \$2,000 \$7,776 6.4 8,229 Unitary HVAC Measures 7,274 10.1 0 \$1,027 \$97,103 \$4,390 \$92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,486 7.4 0 \$1,027 \$97,103 \$4,390 \$86,350 10.6 5,88 ECM8 Install High Efficiency Air Conditioning Units No 1,428 2.7 0 \$202 \$6,764 \$400 \$6,354 31.5 1,43 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000	Lighting	; Control Measures		7,545	2.5	-2	\$1,051	\$12,692	\$3,850	\$8,842	8.4	7,413
Variable Frequency Drive (VFD) Measures 20,704 5.4 0 \$2,925 \$30,548 \$2,750 \$27,798 9.5 20,84 ECM5 Install VFDs on Constant Volume (CV) Fans Yes 12,467 3.9 0 \$1,761 \$21,071 \$750 \$20,321 11.5 12,55 ECM6 Install VFDs on Constant Volume (CV) Fans Yes 8,237 1.4 0 \$1,164 \$9,476 \$20,000 \$7,476 6.4 8,292 Unitary HVAC Measures 7,274 10.1 0 \$1,027 \$97,103 \$4,390 \$92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 \$826 \$90,340 \$3,990 \$86,350 104.6 5,888 ECM8 Install High Efficiency Air Conditioning Units No 1,428 2.7 0 \$202 \$6,764 \$400 \$6,364 31.5 1,438 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000<	ECM 3	Install Occupancy Sensor Lighting Controls	Yes	5,943	1.9	-1	\$828	\$8,642	\$1,085	\$7,557	9.1	5,839
ECMS Install VFDs on Constant Volume (CV) Fans Yes 12,467 3.9 0 S1,761 S20,021 11.5 12,55 ECM6 Install VFDs on Constant Volume (CV) Fans Yes 8,237 1.4 0 S1,761 S21,071 S750 S20,321 11.5 12,55 ECM6 Install VFDs on Heating Water Pumps Yes 8,237 1.4 0 S1,164 S9,476 S2,000 S7,476 6.4 8,229 Unitary HVAC Measures 7,274 10.1 0 S1,027 S97,103 S4,390 S92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 S826 S90,340 S3,990 S86,350 104.6 5,888 ECM8 Install High Efficiency Heat Pumps No 1,428 2.7 0 S202 S6,764 S400 S6,364 31.5 1,438 Gas Heating (HVAC/Proces) Replacement 0 0.0 74 S706 S13,780 S1,000 S12,780	ECM4	Install High/Low Lighting Controls	Yes	1,602	0.5	0	\$223	\$4,050	\$2,765	\$1,285	5.8	1,574
ECM6 Install VFDs on Heating Water Pumps Yes 8,237 1.4 0 \$1,164 \$9,476 \$2,000 \$7,476 6.4 8,292 Unitary HVAC Measures 7,274 10.1 0 \$1,027 \$97,103 \$4,390 \$92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 \$826 \$90,340 \$3,990 \$86,350 104.6 5,888 ECM8 Install High Efficiency Heat Pumps No 1,428 2.7 0 \$202 \$6,764 \$400 \$5,854 31.5 1,438 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,648 ECM9 Install High Efficiency Furnaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,648 ECM9 Install High Efficiency Furnaces No 0 0.0 74 \$5706 \$13,780 \$1,000 \$12,780 18.1 8,648 ECM 10 Implement Demand Control V	Variable	e Frequency Drive (VFD) Measures		20,704	5.4	0	\$2,925	\$30,548	\$2,750	\$27,798	9.5	20,849
Unitary HVAC Measures 7,274 10.1 0 \$1,027 \$97,103 \$4,390 \$92,713 90.2 7,322 ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 \$826 \$90,340 \$3,990 \$86,350 104.6 5,888 ECM8 Install High Efficiency Heat Pumps No 1,428 2.7 0 \$202 \$6,764 \$400 \$6,364 31.5 1,433 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 ECM9 Install High Efficiency Fumaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 HVAC System Improvements 215 0.0 18 \$206 \$2,719 \$0 \$2,719 1.5 1,75 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 1.5	ECM 5	Install VFDs on Constant Volume (CV) Fans	Yes	12,467	3.9	0	\$1,761	\$21,071	\$750	\$20,321	11.5	12,554
ECM7 Install High Efficiency Air Conditioning Units No 5,846 7.4 0 \$825 \$90,340 \$3,990 \$86,350 104.6 5,888 ECM8 Install High Efficiency Heat Pumps No 1,428 2.7 0 \$202 \$6,764 \$400 \$6,364 31.5 1,433 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,649 ECM9 Install High Efficiency Fumaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,649 HVAC System Improvements 215 0.0 18 \$206 \$2,788 \$24 \$2,764 13.4 2,366 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 17.55 ECM 11 Install Pipe Insulation Yes 0 0.0 11 \$104 \$165 \$82 \$82	ECM6	Install VFDs on Heating Water Pumps	Yes	8,237	1.4	0	\$1,164	\$9,476	\$2,000	\$7,476	6.4	8,295
ECM8 Install High Efficiency Heat Pumps No 1,428 2.7 0 \$202 \$6,764 \$400 \$6,364 31.5 1,433 Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 ECM9 Install High Efficiency Furnaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 HVAC System Improvements 215 0.0 18 \$206 \$2,788 \$24 \$2,764 13.4 2,366 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,779 17.5 1,757 ECM 11 Install Pipe Insulation Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,277 Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,277	Unitary	HVAC Measures		7,274	10.1	0	\$1,027	\$97,103	\$4,390	\$92,713	90.2	7,325
Gas Heating (HVAC/Process) Replacement 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 ECM 9 Install High Efficiency Furnaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,644 HVAC System Improvements 215 0.0 18 \$206 \$2,788 \$24 \$2,764 13.4 2,366 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 1,755 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 1,755 ECM 11 Install Pipe Insulation Yes 0 0.0 5 \$50 \$69 \$24 \$45 0.9 617 Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 Food Service & Refrigeration Measures Yes 0 0.0 13	ECM 7	Install High Efficiency Air Conditioning Units	No	5,846	7.4	0	\$826	\$90,340	\$3,990	\$86,350	104.6	5,886
ECM 9 Install High Efficiency Fumaces No 0 0.0 74 \$706 \$13,780 \$1,000 \$12,780 18.1 8,649 HVAC System Improvements 215 0.0 18 \$206 \$2,788 \$24 \$2,764 13.4 2,366 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 1,755 ECM 11 Install Pipe Insulation Yes 0 0.0 5 \$50 \$69 \$24 \$45 0.9 617 Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,278 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,278 Food Service & Refrigeration Measures Yes 0 0.0 11 \$104 \$165 \$82 \$8,790 \$1,250 \$17,540 10.7 12,331 ECM 13 Food Service Equipment Replacement No 0	ECM8	Install High Efficiency Heat Pumps	No	1,428	2.7	0	\$202	\$6,764	\$400	\$6,364	31.5	1,438
HVAC System Improvements 215 0.0 18 \$206 \$2,788 \$24 \$2,764 13.4 2,365 ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 1,755 ECM 11 Install Pipe Insulation Yes 0 0.0 5 \$50 \$69 \$24 \$45 0.9 617 Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,276 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,276 Food Service & Refrigeration Measures Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,276 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,555 ECM 13 Food Service Equipment Replacement Yes 9,072 1.0 0 \$1	Gas He	ating (HVAC/Process) Replacement		0	0.0	74	\$706	\$13,780	\$1,000	\$12,780	18.1	8,649
ECM 10 Implement Demand Control Ventilation (DCV) No 215 0.0 13 \$156 \$2,719 \$0 \$2,719 17.5 1,755 ECM 11 Install Pipe Insulation Yes 0 0.0 5 \$50 \$69 \$24 \$45 0.9 617 Domest: Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,276 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 Food Service & Refrigeration Measures Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 ECM 13 Food Service & Refrigeration Measures Yes 0 0.0 13 \$1,636 \$18,790 \$1,250 \$17,540 10.7 12,314 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$1,282 \$9,270 \$700 \$8,570 6.7 9,134 ECM 14 Dishwasher Replacement Yes	ECM 9	Install High Efficiency Furnaces	No	0	0.0	74	\$706	\$13,780	\$1,000	\$12,780	18.1	8,649
ECM 11 Install Pipe Insulation Yes 0 0.0 5 \$50 \$69 \$24 \$45 0.9 617 Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 Food Service & Refrigeration Measures Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,555 ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,134 ECM 15 Vending Machine Control Yes 1,612 0.2 0	HVAC S	ystem Improvements		215	0.0	18	\$206	\$2,788	\$24	\$2,764	13.4	2,367
Domestic Water Heating Upgrade 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 Food Service & Refrigeration Measures Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,274 Food Service & Refrigeration Measures 10,684 1.2 13 \$1,636 \$18,790 \$1,250 \$17,540 10.7 12,314 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,555 ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,134 ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,623	ECM 10	Implement Demand Control Ventilation (DCV)	No	215	0.0	13	\$156	\$2,719	\$0	\$2,719	17.5	1,751
ECM 12 Install Low-Flow DHW Devices Yes 0 0.0 11 \$104 \$165 \$82 \$82 0.8 1,270 Food Service & Refrigeration Measures 10,684 1.2 13 \$1,636 \$18,790 \$1,250 \$17,540 10.7 12,312 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,552 ECM 14 Dishwasher Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,552 ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,132 ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,622 TOTALS (COST EFFECTIVE MEASURES) 122,382 41.7 -3 \$17,260 \$107,974 \$20,640 \$87,333 5.1 122,98	ECM 11	Install Pipe Insulation	Yes	0	0.0	5	\$50	\$69	\$24	\$45	0.9	617
Food Service & Refrigeration Measures 10,684 1.2 13 \$1,636 \$18,790 \$1,250 \$17,540 10.7 12,31 ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,557 ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,130 ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,622 TOTALS (COST EFFECTIVE MEASURES) 122,382 41.7 -3 \$17,260 \$107,974 \$20,640 \$87,333 5.1 122,98	Domes	tic Water Heating Upgrade		0	0.0	11	\$104	\$165	\$82	\$82	0.8	1,278
ECM 13 Food Service Equipment Replacement No 0 0.0 13 \$127 \$9,290 \$500 \$8,790 69.4 1,552 ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,130 ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,622 TOTALS (COST EFFECTIVE MEASURES) 122,382 41.7 -3 \$17,260 \$107,974 \$20,640 \$87,333 5.1 122,92	ECM 12	Install Low-Flow DHW Devices	Yes	0	0.0	11	\$104	\$165	\$82	\$82	0.8	1,278
ECM 14 Dishwasher Replacement Yes 9,072 1.0 0 \$1,282 \$9,270 \$700 \$8,570 6.7 9,130 ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,622 TOTALS (COST EFFECTIVE MEASURES) 122,382 41.7 -3 \$17,260 \$107,974 \$20,640 \$87,333 5.1 122,92	Food Se	ervice & Refrigeration Measures		10,684	1.2	13	\$1,636	\$18,790	\$1,250	\$17,540	10.7	12,310
ECM 15 Vending Machine Control Yes 1,612 0.2 0 \$228 \$230 \$50 \$180 0.8 1,622 TOTALS (COST EFFECTIVE MEASURES)	ECM 13	Food Service Equipment Replacement	No	0	0.0	13	\$127	\$9,290	\$500	\$8,790	69.4	1,551
TOTALS (COST EFFECTIVE MEASURES) 122,382 41.7 -3 \$17,260 \$107,974 \$20,640 \$87,333 5.1 122,982	ECM 14	Dishwasher Replacement	Yes	9,072	1.0	0	\$1,282	\$9,270	\$700	\$8,570	6.7	9,136
	ECM 15	Vending Machine Control	Yes	1,612	0.2	0	\$228	\$230	\$50	\$180	0.8	1,623
TOTALS (ALL MEASURES) 129,871 51.8 97 \$19,276 \$230,866 \$26,530 \$204.336 10.6 142.18	TOTALS (COST EFFECTIVE MEASURES)			122,382	41.7	-3	\$17,260	\$107,974	\$20,640	\$87,333	5.1	122,904
		TOTALS (ALL MEASURES)		129,871	51.8	97	\$19,276	\$230,866	\$26,530	\$204,336	10.6	142,181

* - 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.

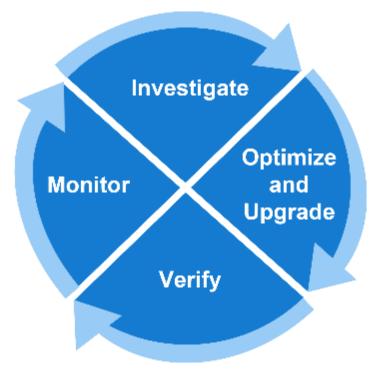
ARTHUR L. JOHNSON HIGH SCHOOL

#	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 (Ibs)
Lighting	Upgrades		217,425	51.5	-44	\$32,259	\$82,221	\$19,805	\$62,416	1.9	213,818
ECM 1	Install LED Fixtures	Yes	10,595	2.3	-1	\$1,589	\$8,220	\$555	\$7,665	4.8	10,605
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	251	0.1	0	\$37	\$202	\$20	\$182	4.9	246
ECM 3	Retrofit Fixtures with LED Lamps	Yes	206,580	49.1	-43	\$30,632	\$73,798	\$19,230	\$54,568	1.8	202,966
Lighting	Control Measures		58,235	13.5	-12	\$8,635	\$56,659	\$13,945	\$42,714	4.9	57,216
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	49,950	11.9	-10	\$7,407	\$45,184	\$5,755	\$39,429	5.3	49,077
ECM 5	Install High/Low Lighting Controls	Yes	8,284	1.6	-2	\$1,228	\$11,475	\$8,190	\$3,285	2.7	8,140
Variable	e Frequency Drive (VFD) Measures		112,714	46.6	26	\$17,262	\$120,719	\$12,025	\$108,694	6.3	116,554
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	109,333	46.6	0	\$16,465	\$117,329	\$11,950	\$105,379	6.4	110,098
ECM 7	Install VFDs on Kitchen Hood Fan Motors	Yes	3,380	0.0	26	\$797	\$3,391	\$75	\$3,316	4.2	6,456
Unitary	HVAC Measures		30,645	34.5	7	\$4,689	\$293,825	\$17,139	\$276,686	59.0	31,647
ECM 8	Install High Efficiency Air Conditioning Units	No	25,558	26.6	7	\$3,923	\$267,616	\$15,589	\$252,028	64.2	26,525
ECM 9	Install High Efficiency Heat Pumps	No	5,087	7.9	0	\$766	\$26,209	\$1,550	\$24,659	32.2	5,122
Gas Hea	ating (HVAC/Process) Replacement		0	0.0	181	\$1,997	\$27,807	\$1,500	\$26,307	13.2	21,157
ECM 10	Install High Efficiency Furnaces	Yes	0	0.0	181	\$1,997	\$27,807	\$1,500	\$26,307	13.2	21,157
HVAC S	ystem Improvements		1,198	0.0	93	\$1,207	\$12,235	\$0	\$12,235	10.1	12,083
ECM 11	Implement Demand Control Ventilation (DCV)	Yes	1,198	0.0	93	\$1,207	\$12,235	\$0	\$12,235	10.1	12,083
Domest	ic Water Heating Upgrade		0	0.0	30	\$330	\$452	\$226	\$226	0.7	3,500
ECM 12	Install Low-Flow DHW Devices	Yes	0	0.0	30	\$330	\$452	\$226	\$226	0.7	3,500
Food Se	rvice & Refrigeration Measures		24,881	2.7	0	\$3,747	\$13,449	\$1,155	\$12,294	3.3	25,055
ECM 13	Dishwasher Replacement	Yes	14,143	1.6	0	\$2,130	\$9,270	\$700	\$8,570	4.0	14,242
ECM 14	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	524	0.1	0	\$79	\$607	\$80	\$527	6.7	528
ECM 15	Refrigeration Controls	Yes	1,812	0.0	0	\$273	\$2,193	\$125	\$2,068	7.6	1,825
ECM 16	Vending Machine Control	Yes	8,402	1.0	0	\$1,265	\$1,380	\$250	\$1,130	0.9	8,460
	TOTALS (COST EFFECTIVE MEASURES)		414,453	114.3	274	\$65,438	\$313,542	\$48,656	\$264,887	4.0	449,383
	TOTALS (ALL MEASURES)		445,098	148.8	280	\$70,127	\$607,367	\$65,794	\$541,573	7.7	481,030

* - 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.

CLARK SCHOOL DISTRICT – MEASURES FOR FUTURE CONSIDERATION

- Retro-Commissioning Study
- Installation of an Energy Management System
- VRF Systems
- Variable Frequency Drives to Control Fixed Head
 Pump Motors
- Replace Smooth V-Belts with Notched or Synchronous Belts



Retro-Commissioning



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

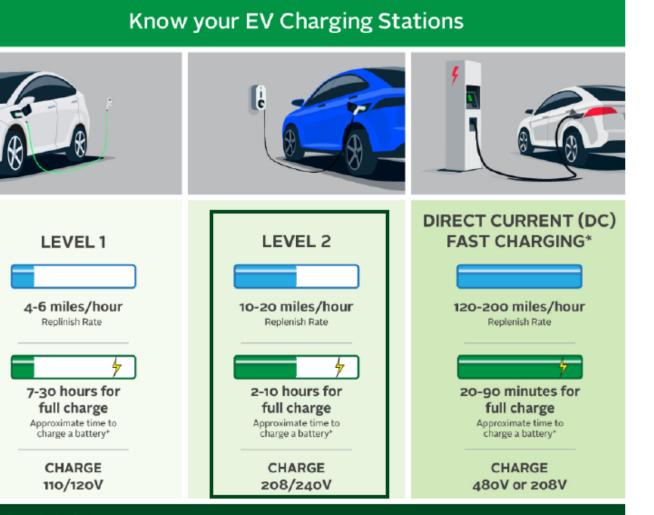
- Clean and/or Replace
 HVAC filters
- Check and Seal Duct Leakage
- Perform Proper Boiler Maintenance
- Perform Proper Water Heater Maintenance
- Plug Load Controls
- Water Conservation

See individual reports for specific EE practices by building

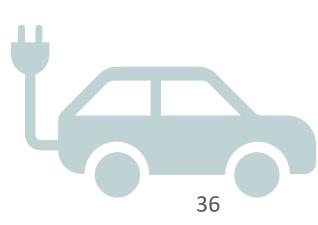


EV CHARGING STATION POTENTIAL

NJCleanEnergy.com/EV



Clark Township	All Sites
Potential:	Medium



- -

SOLAR ENERGY GENERATION POTENTIAL

NJCleanEnergy.com/renewable-energy

<u>Clark Township</u>	Town Hall
Potential:	MEDIUM
System Potential: (kW)	91
Electric Generation: (kWh per year)	68,473
Displaced Cost: (per year)	\$10,700

<u>Clark School District</u>	Valley Road	Kumpf MS	Johnson HS
Potential:	HIGH	HIGH	MEDIUM
System Potential: (kW)	77	100	345
Electric Generation: (kWh per year)	91,735	119,137	411,023
Displaced Cost: (per year)	\$8,720	\$16,830	\$61,900

FINANCING MECHANISM: ESIP

NJCleanEnergy.com/ESIP

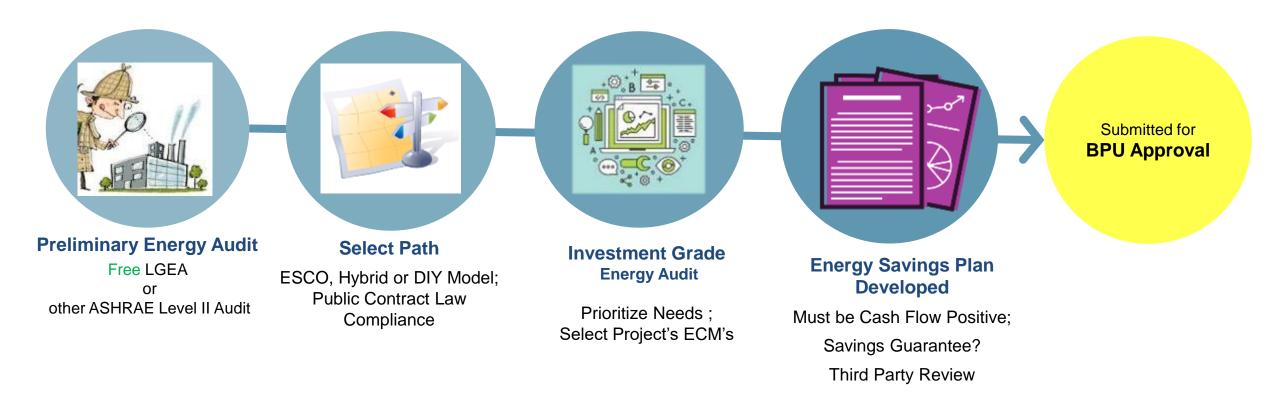
ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- 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

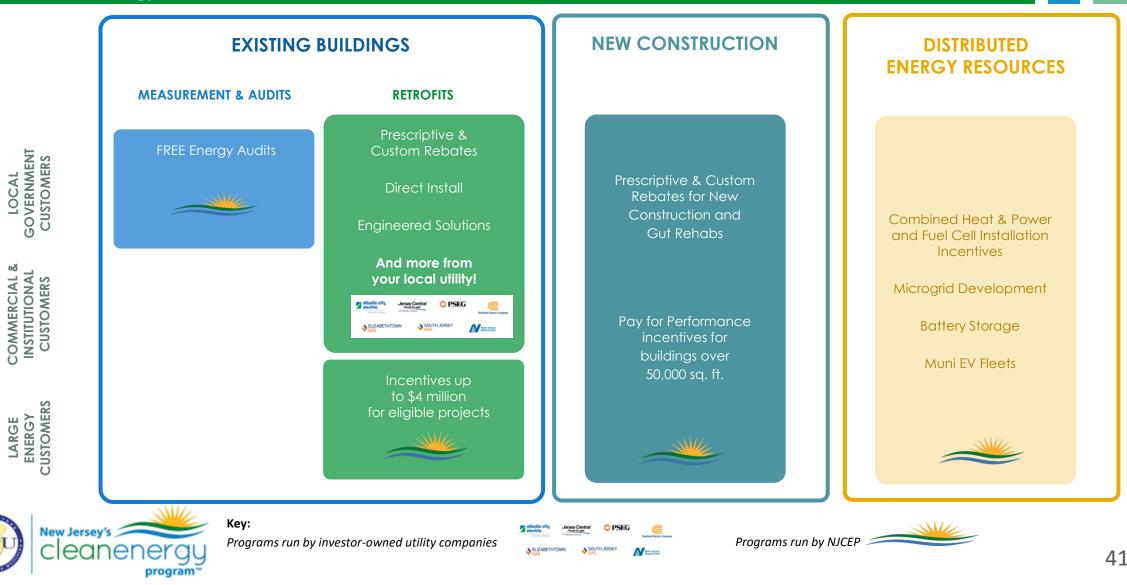
FOR MORE INFORMATION

Michelle Rossi ESIP Coordinator ESIP@bpu.nj.gov o: 609.913.6295 c: 609.915.0903



C&I ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com



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

Elizabethtown Gas

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