

New Jersey's Clean Energy Program

LGEA Exit Meeting for:
Fair Lawn Board of Education

October 28, 2019



INTRODUCTIONS

Fair Lawn Board of Education

- Patricia Ratcliffe-Lee – Assistant Business Administrator
- Tom Veldran – Assistant to Assistant Business Administrator
- John Yobs – Buildings & Grounds Supervisor
- *NJ Clean Energy Program*
 - Yagna Otia – TRC Auditor
 - Amanda Muench – TRC Account Manager
 - Mike Mandzik – TRC Outreach Manager
 - Amanda Newman – TRC Outreach Coordinator
 - Arif Welcher – BPU Government Business Manager
 - Michelle Rossi –ESIP Coordinator, BPU State Energy Office

AGENDA

- The audit process overview
- Energy use & existing conditions
- Review of **E**nergy **C**onservation **M**easures (ECMs) identified
- Questions regarding the draft audit report
- Overview of NJCEP equipment incentives
- Next steps for Fair Lawn Board of Education



LGEA PROCESS

- Application Approval
- Scheduling Call
- Audit
- Benchmarking & Analysis
- Draft Report
- Exit Meeting Presentation
- Final Report



SITE VISIT & UTILITY ANALYSIS

Overview of Systems, Baseline & Existing Conditions:

- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment
- Kitchen Equipment

Utility Consumption:

- Electric Consumption and Costs
- Natural Gas Consumption and Costs

Sites Visited/Analyzed

- Buildings & Grounds
- Warren Point Elementary School
- Lyncrest Elementary School
- John A. Forest Elementary School
- Memorial Middle School
- Thomas Jefferson Middle School
- Milnes Elementary School
- Redburn Elementary School
- Westmoreland Elementary School
- Fairlawn High School
- Thomas Edison School



BENCHMARKING

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.

ENERGY STAR® Statement of Energy Performance

58
ENERGY STAR® Score¹

Fair Lawn High School
Primary Property Type: K-12 School
Gross Floor Area (ft²): 233,000
Built: 1943
For Year Ending: September 30, 2017
Date Generated: June 10, 2019

Property & Contact Information

Property Address Fair Lawn High School 1400 Berdan Avenue Fair Lawn, New Jersey 07410	Property Owner Fair Lawn Board of Education 3701 Fair Lawn Avenue Fair Lawn, NJ 07410 () - - - -	Primary Contact Brooke Bartley 3701 Fair Lawn Avenue Fair Lawn, NJ 07410 2017945500 bbartley@fairlawnschools.org
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Property ID: 6775198

Energy Consumption and Energy Use Intensity (EUI)

Site EUI 67.7 kBtu/ft ²	Annual Energy by Fuel	National Median Comparison
	Electric - Grid (kBtu) 5,808,018 (37%)	National Median Site EUI (kBtu/ft ²) 73.5
	Natural Gas (kBtu) 9,967,020 (63%)	National Median Source EUI (kBtu/ft ²) 124.6
		% Diff from National Median Source EUI -8%
Source EUI 114.7 kBtu/ft ²	Annual Emissions	
	Greenhouse Gas Emissions (Metric Tons CO ₂ e/year) 1,118	

Building Name	ENERGY STAR® Score
Buildings & Grounds Building	58
Warren Point Elementary School	50
Lyncrest Elementary School	56
John A. Forest Elementary School	65
Memorial Middle School	62
Thomas Jefferson Middle School	64
Milnes Elementary School	82
Radburn Elementary School	76
Westmoreland Elementary School	82
Fair Lawn High School	58
Thomas Edison School	68

ALL OPPORTUNITIES

Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades	769,946	225.8	-158.4	\$120,220	\$360,226	\$88,637	\$271,589	2.3	756,781
Install LED Fixtures	16,375	3.3	-1.5	\$2,771	\$13,422	\$1,125	\$12,297	4.4	16,314
Retrofit Fluorescent Fixtures with LED Lamps and Drivers	55	0.0	0.0	\$7	\$51	\$5	\$46	6.9	54
Retrofit Fixtures with LED Lamps	753,516	222.5	-156.9	\$117,443	\$346,754	\$87,507	\$259,247	2.2	740,412
Lighting Control Measures	203,587	58.9	-42.5	\$31,288	\$237,112	\$23,180	\$213,932	6.8	200,033
Install Occupancy Sensor Lighting Controls	180,032	52.7	-37.6	\$27,792	\$194,512	\$22,910	\$171,602	6.2	176,885
Install Daylight Dimming Controls	235	0.0	0.0	\$29	\$750	\$270	\$480	16.8	237
Install High/Low Lighting Controls	23,319	6.1	-4.9	\$3,468	\$41,850	\$0	\$41,850	12.1	22,911
Motor Upgrades	1,832	0.5	0.0	\$335	\$7,964	\$0	\$7,964	23.8	1,844
Premium Efficiency Motors	1,832	0.5	0.0	\$335	\$7,964	\$0	\$7,964	23.8	1,844
Variable Frequency Drive (VFD) Measures	141,601	34.9	0.0	\$22,445	\$146,378	\$8,150	\$138,228	6.2	142,591
Install VFDs on Constant Volume (CV) Fans	74,559	24.1	0.0	\$10,539	\$88,445	\$6,600	\$81,845	7.8	75,080
Install VFDs on Heating Water Pumps	57,874	7.8	0.0	\$10,239	\$49,960	\$0	\$49,960	4.9	58,279
Install Boiler Draft Fan VFDs	9,168	3.0	0.0	\$1,668	\$7,974	\$1,550	\$6,424	3.9	9,232
Electric Unitary HVAC Measures	57,307	52.5	0.0	\$7,450	\$432,640	\$15,550	\$417,089	56.0	57,708
Install High Efficiency Air Conditioning Units	56,057	51.4	0.0	\$7,254	\$422,085	\$15,166	\$406,919	56.1	56,448
Install High Efficiency Heat Pumps	62	0.1	0.0	\$11	\$1,268	\$69	\$1,199	109.7	62
Install High Efficiency PTAC/PTHP	1,188	1.0	0.0	\$186	\$9,287	\$315	\$8,972	48.4	1,197
Gas Heating (HVAC/Process) Replacement	0	0.0	1,068.8	\$9,706	\$782,586	\$9,897	\$772,689	79.6	125,144
Install High Efficiency Hot Water Boilers	0	0.0	242.2	\$2,243	\$261,417	\$5,097	\$256,320	114.3	28,364
Install High Efficiency Steam Boilers	0	0.0	631.6	\$5,698	\$458,884	\$0	\$458,884	80.5	73,954
Install High Efficiency Furnaces	0	0.0	195.0	\$1,765	\$62,285	\$4,800	\$57,485	32.6	22,827
HVAC System Improvements	7,361	0.0	154.4	\$2,801	\$23,285	\$0	\$23,285	8.3	25,491
Implement Demand Control Ventilation (DCV)	7,361	0.0	133.4	\$2,603	\$23,110	\$0	\$23,110	8.9	23,037
Install Pipe Insulation	0	0.0	21.0	\$199	\$175	\$0	\$175	0.9	2,454
Domestic Water Heating Upgrade	0	0.0	865.8	\$7,996	\$3,606	\$0	\$3,606	0.5	101,378
Install Low-Flow DHW Devices	0	0.0	865.8	\$7,996	\$3,606	\$0	\$3,606	0.5	101,378
Food Service Equipment & Refrigeration Measures	6,472	0.4	0.0	\$1,183	\$9,944	\$350	\$9,594	8.1	6,517
Refrigerator/Freezer Case Electrically Commutated Motors	2,356	0.3	0.0	\$431	\$2,730	\$0	\$2,730	6.3	2,372
Refrigeration Controls	4,116	0.1	0.0	\$752	\$7,215	\$350	\$6,865	9.1	4,145
Plug Load Equipment Control - Vending Machine	13,237	1.5	0.0	\$1,896	\$2,070	\$400	\$1,670	0.9	13,330
Vending Machine Control	13,237	1.5	0.0	\$1,896	\$2,070	\$400	\$1,670	0.9	13,330
TOTALS	1,201,342	374.5	1,888.1	\$205,321	\$2,005,811	\$146,164	\$1,859,647	9.1	1,430,818



COST EFFECTIVE OPPORTUNITIES

Energy Conservation Measure		Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades		769,946	225.8	-158.4	\$120,220	\$360,226	\$88,637	\$271,589	2.3	756,781
ECM 1	Install LED Fixtures	16,375	3.3	-1.5	\$2,771	\$13,422	\$1,125	\$12,297	4.4	16,314
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	55	0.0	0.0	\$7	\$51	\$5	\$46	6.9	54
ECM 3	Retrofit Fixtures with LED Lamps	753,516	222.5	-156.9	\$117,443	\$346,754	\$87,507	\$259,247	2.2	740,412
Lighting Control Measures		202,967	58.8	-42.4	\$31,195	\$235,237	\$22,910	\$212,327	6.8	199,419
ECM 4	Install Occupancy Sensor Lighting Controls	180,032	52.7	-37.6	\$27,792	\$194,512	\$22,910	\$171,602	6.2	176,885
ECM 5	Install High/Low Lighting Controls	22,935	6.0	-4.8	\$3,403	\$40,725	\$0	\$40,725	12.0	22,534
Variable Frequency Drive (VFD) Measures		135,116	32.5	0.0	\$21,578	\$130,985	\$8,150	\$122,835	5.7	136,061
ECM 6	Install VFDs on Constant Volume (CV) Fans	74,559	24.1	0.0	\$10,539	\$88,445	\$6,600	\$81,845	7.8	75,080
ECM 7	Install VFDs on Heating Water Pumps	51,389	5.4	0.0	\$9,372	\$34,567	\$0	\$34,567	3.7	51,748
ECM 8	Install Boiler Draft Fan VFDs	9,168	3.0	0.0	\$1,668	\$7,974	\$1,550	\$6,424	3.9	9,232
HVAC System Improvements		6,293	0.0	67.3	\$1,777	\$4,254	\$0	\$4,254	2.4	14,212
ECM 9	Implement Demand Control Ventilation (DCV)	6,293	0.0	46.3	\$1,578	\$4,078	\$0	\$4,078	2.6	11,758
ECM 10	Install Pipe Insulation	0	0.0	21.0	\$199	\$175	\$0	\$175	0.9	2,454
Domestic Water Heating Upgrade		0	0.0	865.8	\$7,996	\$3,606	\$0	\$3,606	0.5	101,378
ECM 11	Install Low-Flow DHW Devices	0	0.0	865.8	\$7,996	\$3,606	\$0	\$3,606	0.5	101,378
Food Service Equipment & Refrigeration Measures		6,472	0.4	0.0	\$1,183	\$9,944	\$350	\$9,594	8.1	6,517
ECM 12	Refrigerator/Freezer Case Electrically Commutated Motors	2,356	0.3	0.0	\$431	\$2,730	\$0	\$2,730	6.3	2,372
ECM 13	Refrigeration Controls	4,116	0.1	0.0	\$752	\$7,215	\$350	\$6,865	9.1	4,145
Plug Load Equipment Control - Vending Machine		13,237	1.5	0.0	\$1,896	\$2,070	\$400	\$1,670	0.9	13,330
ECM 14	Vending Machine Control	13,237	1.5	0.0	\$1,896	\$2,070	\$400	\$1,670	0.9	13,330
TOTALS		1,134,031	319.0	732.2	\$185,846	\$746,322	\$120,447	\$625,875	3.4	1,227,697

* - All incentives presented in this table are based on NJ Smart Start Building equipment incentives and assume proposed equipment meets minimum performance criteria for that program.

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

BUILDINGS & GROUNDS

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			16,444	3.4	-3	\$3,209	\$4,451	\$1,049	\$3,402	1.1	16,156
ECM 1	Retrofit Fixtures with LED Lamps	Yes	16,444	3.4	-3	\$3,209	\$4,451	\$1,049	\$3,402	1.1	16,156
Lighting Control Measures			2,797	0.6	-1	\$546	\$1,963	\$130	\$1,833	3.4	2,748
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	2,538	0.5	-1	\$495	\$1,738	\$130	\$1,608	3.2	2,494
ECM 3	Install High/Low Lighting Controls	Yes	259	0.1	0	\$51	\$225	\$0	\$225	4.4	255
Motor Upgrades			291	0.0	0	\$57	\$2,240	\$0	\$2,240	39.0	293
ECM 4	Premium Efficiency Motors	No	291	0.0	0	\$57	\$2,240	\$0	\$2,240	39.0	293
Domestic Water Heating Upgrade			0	0.0	10	\$105	\$79	\$0	\$79	0.8	1,222
ECM 5	Install Low-Flow DHW Devices	Yes	0	0.0	10	\$105	\$79	\$0	\$79	0.8	1,222
TOTALS (COST EFFECTIVE MEASURES)			19,241	3.9	6	\$3,860	\$6,493	\$1,179	\$5,314	1.4	20,127
TOTALS (ALL MEASURES)			19,532	4.0	6	\$3,918	\$8,733	\$1,179	\$7,554	1.9	20,420

* - All incentives presented in this table are based on NJ SmartStart equipment incentives and assume proposed equipment meets minimum performance criteria for that program.

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

WARREN POINT ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			48,969	15.2	-10	\$8,556	\$29,201	\$6,678	\$22,523	2.6	48,195
ECM 1	Install LED Fixtures	Yes	3,302	0.4	0	\$583	\$5,796	\$600	\$5,196	8.9	3,325
ECM 2	Retrofit Fixtures with LED Lamps	Yes	45,667	14.8	-10	\$7,973	\$23,405	\$6,078	\$17,327	2.2	44,870
Lighting Control Measures			12,540	3.9	-3	\$2,189	\$16,353	\$1,545	\$14,808	6.8	12,320
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	11,420	3.6	-2	\$1,994	\$13,653	\$1,545	\$12,108	6.1	11,220
ECM 4	Install High/Low Lighting Controls	Yes	1,120	0.4	0	\$196	\$2,700	\$0	\$2,700	13.8	1,100
Motor Upgrades			419	0.1	0	\$74	\$1,753	\$0	\$1,753	23.7	422
ECM 5	Premium Efficiency Motors	No	419	0.1	0	\$74	\$1,753	\$0	\$1,753	23.7	422
Variable Frequency Drive (VFD) Measures			3,551	1.1	0	\$627	\$6,522	\$320	\$6,202	9.9	3,576
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	3,551	1.1	0	\$627	\$6,522	\$320	\$6,202	9.9	3,576
Electric Unitary HVAC Measures			1,076	1.3	0	\$190	\$26,218	\$1,091	\$25,127	132.3	1,083
ECM 7	Install High Efficiency Air Conditioning Units	No	1,014	1.3	0	\$179	\$24,949	\$1,022	\$23,927	133.7	1,021
ECM 8	Install High Efficiency Heat Pumps	No	62	0.1	0	\$11	\$1,268	\$69	\$1,199	109.7	62
Gas Heating (HVAC/Process) Replacement			0	0.0	13	\$120	\$6,616	\$800	\$5,816	48.6	1,485
ECM 9	Install High Efficiency Furnaces	No	0	0.0	13	\$120	\$6,616	\$800	\$5,816	48.6	1,485
Domestic Water Heating Upgrade			0	0.0	43	\$401	\$402	\$0	\$402	1.0	4,978
ECM 10	Install Low-Flow DHW Devices	Yes	0	0.0	43	\$401	\$402	\$0	\$402	1.0	4,978
Food Service & Refrigeration Measures			1,612	0.2	0	\$285	\$230	\$50	\$180	0.6	1,623
ECM 11	Vending Machine Control	Yes	1,612	0.2	0	\$285	\$230	\$50	\$180	0.6	1,623
TOTALS (COST EFFECTIVE MEASURES)			66,672	20.4	30	\$12,058	\$52,707	\$8,593	\$44,114	3.7	70,692
TOTALS (ALL MEASURES)			68,167	21.9	43	\$12,441	\$87,294	\$10,484	\$76,810	6.2	73,682



LYNCREST ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			35,306	11.6	-7	\$5,960	\$17,427	\$4,160	\$13,267	2.2	34,688
ECM 1	Retrofit Fixtures with LED Lamps	Yes	35,306	11.6	-7	\$5,960	\$17,427	\$4,160	\$13,267	2.2	34,688
Lighting Control Measures			6,296	1.8	-1	\$1,063	\$8,725	\$950	\$7,775	7.3	6,185
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	5,911	1.7	-1	\$998	\$7,600	\$950	\$6,650	6.7	5,808
ECM 3	Install High/Low Lighting Controls	No	384	0.1	0	\$65	\$1,125	\$0	\$1,125	17.4	377
Variable Frequency Drive (VFD) Measures			2,739	0.3	0	\$468	\$3,812	\$0	\$3,812	8.1	2,758
ECM 4	Install VFDs on Heating Water Pumps	Yes	2,739	0.3	0	\$468	\$3,812	\$0	\$3,812	8.1	2,758
Electric Unitary HVAC Measures			835	0.9	0	\$143	\$6,893	\$234	\$6,659	46.7	840
ECM 5	Install High Efficiency PTAC/PTHP	No	835	0.9	0	\$143	\$6,893	\$234	\$6,659	46.7	840
Gas Heating (HVAC/Process) Replacement			0	0.0	92	\$895	\$60,659	\$5,097	\$55,562	62.1	10,765
ECM 6	Install High Efficiency Hot Water Boilers	No	0	0.0	92	\$895	\$60,659	\$5,097	\$55,562	62.1	10,765
Domestic Water Heating Upgrade			0	0.0	19	\$180	\$186	\$0	\$186	1.0	2,167
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	19	\$180	\$186	\$0	\$186	1.0	2,167
TOTALS (COST EFFECTIVE MEASURES)			43,956	13.7	10	\$7,605	\$29,026	\$5,110	\$23,916	3.1	45,421
TOTALS (ALL MEASURES)			45,175	14.7	102	\$8,708	\$97,704	\$10,441	\$87,263	10.0	57,404

JOHN A. FOREST ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			33,536	12.4	-7	\$5,985	\$19,399	\$5,216	\$14,183	2.4	32,951
ECM 1	Retrofit Fixtures with LED Lamps	Yes	33,536	12.4	-7	\$5,985	\$19,399	\$5,216	\$14,183	2.4	32,951
Lighting Control Measures			8,513	3.1	-2	\$1,519	\$15,250	\$1,405	\$13,845	9.1	8,364
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	7,440	2.7	-2	\$1,328	\$11,650	\$1,405	\$10,245	7.7	7,310
ECM 3	Install High/Low Lighting Controls	Yes	1,073	0.3	0	\$191	\$3,600	\$0	\$3,600	18.8	1,054
Motor Upgrades			356	0.2	0	\$64	\$1,597	\$0	\$1,597	24.9	358
ECM 4	Premium Efficiency Motors	No	356	0.2	0	\$64	\$1,597	\$0	\$1,597	24.9	358
Domestic Water Heating Upgrade			0	0.0	27	\$219	\$201	\$0	\$201	0.9	3,111
ECM 5	Install Low-Flow DHW Devices	Yes	0	0.0	27	\$219	\$201	\$0	\$201	0.9	3,111
TOTALS (COST EFFECTIVE MEASURES)			42,049	15.4	18	\$7,724	\$34,850	\$6,621	\$28,229	3.7	44,425
TOTALS (ALL MEASURES)			42,405	15.6	18	\$7,788	\$36,446	\$6,621	\$29,825	3.8	44,784

* - All incentives presented in this table are based on NJ SmartStart equipment incentives and assume proposed equipment meets minimum performance criteria for that program.

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

MEMORIAL MIDDLE SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			62,436	20.4	-13	\$10,734	\$30,319	\$7,537	\$22,782	2.1	61,357
ECM 1	Retrofit Fixtures with LED Lamps	Yes	62,436	20.4	-13	\$10,734	\$30,319	\$7,537	\$22,782	2.1	61,357
Lighting Control Measures			15,894	5.2	-3	\$2,732	\$22,987	\$2,380	\$20,607	7.5	15,616
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	14,199	4.7	-3	\$2,441	\$18,712	\$2,380	\$16,332	6.7	13,951
ECM 3	Install High/Low Lighting Controls	Yes	1,695	0.5	0	\$291	\$4,275	\$0	\$4,275	14.7	1,665
Variable Frequency Drive (VFD) Measures			5,925	2.5	0	\$1,030	\$11,726	\$640	\$11,086	10.8	5,967
ECM 4	Install VFDs on Constant Volume (CV) Fans	Yes	5,925	2.5	0	\$1,030	\$11,726	\$640	\$11,086	10.8	5,967
Electric Unitary HVAC Measures			2,485	2.7	0	\$432	\$16,582	\$782	\$15,800	36.6	2,502
ECM 5	Install High Efficiency Air Conditioning Units	No	2,485	2.7	0	\$432	\$16,582	\$782	\$15,800	36.6	2,502
Gas Heating (HVAC/Process) Replacement			0	0.0	4	\$33	\$1,699	\$400	\$1,299	39.1	425
ECM 6	Install High Efficiency Furnaces	No	0	0.0	4	\$33	\$1,699	\$400	\$1,299	39.1	425
Domestic Water Heating Upgrade			0	0.0	65	\$599	\$501	\$0	\$501	0.8	7,647
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	65	\$599	\$501	\$0	\$501	0.8	7,647
TOTALS (COST EFFECTIVE MEASURES)			84,255	28.1	49	\$15,095	\$65,534	\$10,557	\$54,977	3.6	90,586
TOTALS (ALL MEASURES)			86,739	30.8	53	\$15,560	\$83,815	\$11,739	\$72,076	4.6	93,513

THOMAS JEFFERSON MIDDLE SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			103,795	31.8	-21	\$18,682	\$50,338	\$11,746	\$38,592	2.1	102,060
ECM 1	Install LED Fixtures	Yes	10,160	2.6	-1	\$1,834	\$6,140	\$475	\$5,665	3.1	10,056
ECM 2	Retrofit Fixtures with LED Lamps	Yes	93,635	29.2	-20	\$16,848	\$44,198	\$11,271	\$32,927	2.0	92,004
Lighting Control Measures			25,359	7.9	-5	\$4,563	\$36,731	\$3,395	\$33,336	7.3	24,915
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	22,410	7.0	-5	\$4,032	\$30,206	\$3,395	\$26,811	6.6	22,018
ECM 4	Install High/Low Lighting Controls	Yes	2,949	0.9	-1	\$531	\$6,525	\$0	\$6,525	12.3	2,897
Motor Upgrades			766	0.2	0	\$139	\$2,375	\$0	\$2,375	17.0	771
ECM 5	Premium Efficiency Motors	No	766	0.2	0	\$139	\$2,375	\$0	\$2,375	17.0	771
Variable Frequency Drive (VFD) Measures			65,236	12.5	0	\$11,867	\$54,058	\$2,990	\$51,068	4.3	65,692
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	16,194	5.3	0	\$2,946	\$23,304	\$1,440	\$21,864	7.4	16,307
ECM 7	Install VFDs on Heating Water Pumps	Yes	39,874	4.2	0	\$7,253	\$22,780	\$0	\$22,780	3.1	40,153
ECM 8	Install Boiler Draft Fan VFDs	Yes	9,168	3.0	0	\$1,668	\$7,974	\$1,550	\$6,424	3.9	9,232
Electric Unitary HVAC Measures			4,005	3.7	0	\$729	\$35,028	\$1,788	\$33,240	45.6	4,033
ECM 9	Install High Efficiency Air Conditioning Units	No	4,005	3.7	0	\$729	\$35,028	\$1,788	\$33,240	45.6	4,033
HVAC System Improvements			748	0.0	82	\$910	\$11,007	\$0	\$11,007	12.1	10,348
ECM 10	Implement Demand Control Ventilation (DCV)	No	748	0.0	63	\$731	\$10,875	\$0	\$10,875	14.9	8,130
ECM 11	Install Pipe Insulation	Yes	0	0.0	19	\$179	\$132	\$0	\$132	0.7	2,219
Domestic Water Heating Upgrade			0	0.0	80	\$753	\$301	\$0	\$301	0.4	9,333
ECM 12	Install Low-Flow DHW Devices	Yes	0	0.0	80	\$753	\$301	\$0	\$301	0.4	9,333
Food Service & Refrigeration Measures			3,337	0.2	0	\$607	\$5,080	\$200	\$4,880	8.0	3,360
ECM 13	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	1,049	0.1	0	\$191	\$1,213	\$0	\$1,213	6.4	1,056
ECM 14	Refrigeration Controls	Yes	2,289	0.0	0	\$416	\$3,867	\$200	\$3,667	8.8	2,305
TOTALS (COST EFFECTIVE MEASURES)			197,727	52.3	72	\$36,651	\$146,640	\$18,331	\$128,309	3.5	207,579
TOTALS (ALL MEASURES)			203,246	56.3	135	\$38,251	\$194,918	\$20,119	\$174,799	4.6	220,513

MILNES ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			49,404	14.4	-10	\$9,200	\$21,411	\$5,753	\$15,658	1.7	48,546
ECM 1	Retrofit Fixtures with LED Lamps	Yes	49,404	14.4	-10	\$9,200	\$21,411	\$5,753	\$15,658	1.7	48,546
Lighting Control Measures			12,692	3.7	-3	\$2,363	\$16,410	\$1,775	\$14,635	6.2	12,470
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	11,593	3.4	-2	\$2,159	\$14,160	\$1,775	\$12,385	5.7	11,390
ECM 3	Install High/Low Lighting Controls	Yes	1,099	0.3	0	\$205	\$2,250	\$0	\$2,250	11.0	1,079
Variable Frequency Drive (VFD) Measures			8,776	1.0	0	\$1,651	\$7,974	\$0	\$7,974	4.8	8,838
ECM 4	Install VFDs on Heating Water Pumps	Yes	8,776	1.0	0	\$1,651	\$7,974	\$0	\$7,974	4.8	8,838
Electric Unitary HVAC Measures			283	0.6	0	\$53	\$4,489	\$276	\$4,213	79.1	285
ECM 5	Install High Efficiency Air Conditioning Units	No	283	0.6	0	\$53	\$4,489	\$276	\$4,213	79.1	285
Gas Heating (HVAC/Process) Replacement			0	0.0	150	\$1,348	\$200,757	\$0	\$200,757	148.9	17,599
ECM 6	Install High Efficiency Hot Water Boilers	No	0	0.0	150	\$1,348	\$200,757	\$0	\$200,757	148.9	17,599
Domestic Water Heating Upgrade			0	0.0	28	\$255	\$215	\$0	\$215	0.8	3,333
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	28	\$255	\$215	\$0	\$215	0.8	3,333
Food Service & Refrigeration Measures			1,612	0.2	0	\$303	\$230	\$50	\$180	0.6	1,623
ECM 8	Vending Machine Control	Yes	1,612	0.2	0	\$303	\$230	\$50	\$180	0.6	1,623
TOTALS (COST EFFECTIVE MEASURES)			72,484	19.3	16	\$13,773	\$46,240	\$7,578	\$38,662	2.8	74,810
TOTALS (ALL MEASURES)			72,767	19.8	166	\$15,174	\$251,486	\$7,854	\$243,632	16.1	92,694

RADBURN ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			50,559	17.0	-11	\$9,187	\$26,152	\$6,521	\$19,631	2.1	49,675
ECM 1	Retrofit Fixtures with LED Lamps	Yes	50,559	17.0	-11	\$9,187	\$26,152	\$6,521	\$19,631	2.1	49,675
Lighting Control Measures			12,557	4.1	-3	\$2,282	\$19,961	\$1,750	\$18,211	8.0	12,337
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	11,417	3.7	-2	\$2,074	\$16,586	\$1,750	\$14,836	7.2	11,217
ECM 3	Install High/Low Lighting Controls	Yes	1,140	0.4	0	\$207	\$3,375	\$0	\$3,375	16.3	1,120
HVAC System Improvements			319	0.0	24	\$293	\$8,157	\$0	\$8,157	27.9	3,150
ECM 4	Implement Demand Control Ventilation (DCV)	No	319	0.0	24	\$293	\$8,157	\$0	\$8,157	27.9	3,150
Domestic Water Heating Upgrade			0	0.0	39	\$375	\$201	\$0	\$201	0.5	4,523
ECM 5	Install Low-Flow DHW Devices	Yes	0	0.0	39	\$375	\$201	\$0	\$201	0.5	4,523
Food Service & Refrigeration Measures			3,135	0.2	0	\$576	\$4,865	\$150	\$4,715	8.2	3,156
ECM 6	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	1,307	0.2	0	\$240	\$1,517	\$0	\$1,517	6.3	1,316
ECM 7	Refrigeration Controls	Yes	1,827	0.1	0	\$336	\$3,348	\$150	\$3,198	9.5	1,840
TOTALS (COST EFFECTIVE MEASURES)			66,250	21.3	25	\$12,419	\$51,179	\$8,421	\$42,758	3.4	69,691
TOTALS (ALL MEASURES)			66,570	21.3	50	\$12,712	\$59,335	\$8,421	\$50,914	4.0	72,841

WESTMORELAND ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			33,561	11.1	-7	\$5,998	\$17,067	\$4,628	\$12,439	2.1	32,974
ECM 1	Retrofit Fixtures with LED Lamps	Yes	33,561	11.1	-7	\$5,998	\$17,067	\$4,628	\$12,439	2.1	32,974
Lighting Control Measures			9,792	3.1	-2	\$1,750	\$11,439	\$1,205	\$10,234	5.8	9,621
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	8,582	2.8	-2	\$1,534	\$9,414	\$1,205	\$8,209	5.4	8,432
ECM 3	Install High/Low Lighting Controls	Yes	1,210	0.4	0	\$216	\$2,025	\$0	\$2,025	9.4	1,189
Variable Frequency Drive (VFD) Measures			1,337	1.8	0	\$242	\$7,625	\$0	\$7,625	31.6	1,347
ECM 4	Install VFDs on Heating Water Pumps	No	1,337	1.8	0	\$242	\$7,625	\$0	\$7,625	31.6	1,347
HVAC System Improvements			6,293	0.0	46	\$1,578	\$4,078	\$0	\$4,078	2.6	11,758
ECM 5	Implement Demand Control Ventilation (DCV)	Yes	6,293	0.0	46	\$1,578	\$4,078	\$0	\$4,078	2.6	11,758
Domestic Water Heating Upgrade			0	0.0	145	\$1,383	\$366	\$0	\$366	0.3	17,000
ECM 6	Install Low-Flow DHW Devices	Yes	0	0.0	145	\$1,383	\$366	\$0	\$366	0.3	17,000
TOTALS (COST EFFECTIVE MEASURES)			49,646	14.2	182	\$10,710	\$32,950	\$5,833	\$27,117	2.5	71,352
TOTALS (ALL MEASURES)			50,983	16.0	182	\$10,952	\$40,575	\$5,833	\$34,742	3.2	72,698

* - All incentives presented in this table are based on NJ SmartStart equipment incentives and assume proposed equipment meets minimum performance criteria for that program.

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

FAIR LAWN HIGH SCHOOL

#	Energy Conservation Measure	Recommend?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			282,169	76.7	-58	\$33,737	\$125,765	\$30,340	\$95,425	2.8	277,350
ECM 1	Install LED Fixtures	Yes	2,913	0.3	0	\$354	\$1,485	\$50	\$1,435	4.1	2,933
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	55	0.0	0	\$7	\$51	\$5	\$46	6.9	54
ECM 3	Retrofit Fixtures with LED Lamps	Yes	279,201	76.3	-58	\$33,377	\$124,229	\$30,285	\$93,944	2.8	274,362
Lighting Control Measures			83,034	22.4	-17	\$9,926	\$69,312	\$7,050	\$62,262	6.3	81,589
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	71,133	19.8	-15	\$8,503	\$53,937	\$6,780	\$47,157	5.5	69,891
ECM 5	Install Photocells	No	235	0.0	0	\$29	\$750	\$270	\$480	16.8	237
ECM 6	Install High/Low Lighting Controls	Yes	11,666	2.6	-2	\$1,394	\$14,625	\$0	\$14,625	10.5	11,462
Variable Frequency Drive (VFD) Measures			54,037	15.7	0	\$6,561	\$54,661	\$4,200	\$50,461	7.7	54,415
ECM 7	Install VFDs on Constant Volume (CV) Fans	Yes	48,889	15.1	0	\$5,936	\$46,893	\$4,200	\$42,693	7.2	49,231
ECM 8	Install VFDs on Heating Water Pumps	No	5,148	0.6	0	\$625	\$7,768	\$0	\$7,768	12.4	5,184
Electric Unitary HVAC Measures			48,624	43.3	0	\$5,904	\$343,431	\$11,379	\$332,052	56.2	48,964
ECM 9	Install High Efficiency Air Conditioning Units	No	48,270	43.2	0	\$5,861	\$341,037	\$11,298	\$329,739	56.3	48,608
ECM 10	Install High Efficiency PTAC/PTHP	No	354	0.1	0	\$43	\$2,394	\$81	\$2,312	53.8	356
Gas Heating (HVAC/Process) Replacement			0	0.0	810	\$7,310	\$512,854	\$3,600	\$509,254	69.7	94,871
ECM 11	Install High Efficiency Steam Boilers	No	0	0.0	632	\$5,698	\$458,884	\$0	\$458,884	80.5	73,954
ECM 12	Install High Efficiency Furnaces	No	0	0.0	179	\$1,612	\$53,970	\$3,600	\$50,370	31.3	20,918
Domestic Water Heating Upgrade			0	0.0	379	\$3,416	\$954	\$0	\$954	0.3	44,332
ECM 13	Install Low-Flow DHW Devices	Yes	0	0.0	379	\$3,416	\$954	\$0	\$954	0.3	44,332
Food Service & Refrigeration Measures			8,059	0.9	0	\$979	\$1,150	\$250	\$900	0.9	8,116
ECM 14	Vending Machine Control	Yes	8,059	0.9	0	\$979	\$1,150	\$250	\$900	0.9	8,116
TOTALS (COST EFFECTIVE MEASURES)			421,916	115.0	303	\$53,965	\$243,323	\$41,570	\$201,753	3.7	460,380
TOTALS (ALL MEASURES)			475,923	158.9	1,114	\$67,833	\$1,108,126	\$56,819	\$1,051,306	15.5	609,637

THOMAS EDISON SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades			53,767	11.9	-11	\$8,971	\$18,695	\$5,009	\$13,686	1.5	52,830
ECM 1	Retrofit Fixtures with LED Lamps	Yes	53,767	11.9	-11	\$8,971	\$18,695	\$5,009	\$13,686	1.5	52,830
Lighting Control Measures			14,114	3.1	-3	\$2,355	\$17,981	\$1,595	\$16,386	7.0	13,867
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	13,389	2.9	-3	\$2,234	\$16,856	\$1,595	\$15,261	6.8	13,155
ECM 3	Install High/Low Lighting Controls	Yes	725	0.2	0	\$121	\$1,125	\$0	\$1,125	9.3	713
HVAC System Improvements			0	0.0	2	\$20	\$43	\$0	\$43	2.2	236
ECM 4	Install Pipe Insulation	Yes	0	0.0	2	\$20	\$43	\$0	\$43	2.2	236
Domestic Water Heating Upgrade			0	0.0	32	\$310	\$201	\$0	\$201	0.6	3,733
ECM 5	Install Low-Flow DHW Devices	Yes	0	0.0	32	\$310	\$201	\$0	\$201	0.6	3,733
Food Service & Refrigeration Measures			1,954	0.2	0	\$330	\$460	\$50	\$410	1.2	1,968
ECM 6	Vending Machine Control	Yes	1,954	0.2	0	\$330	\$460	\$50	\$410	1.2	1,968
TOTALS (COST EFFECTIVE MEASURES)			69,836	15.2	20	\$11,985	\$37,381	\$6,654	\$30,727	2.6	72,634
TOTALS (ALL MEASURES)			69,836	15.2	20	\$11,985	\$37,381	\$6,654	\$30,727	2.6	72,634

* - All incentives presented in this table are based on NJ SmartStart equipment incentives and assume proposed equipment meets minimum performance criteria for that program.

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

SOLAR ENERGY GENERATION POTENTIAL

	Warren Point	Lyncrest	Memorial	Jefferson	Milnes	Rad burn	Westmore land	High School	Thomas Edison
Potential:	HIGH	Medium	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
System Potential: (kW)	100	65	140	195	92	70	104	497	80
Electric Generation: (kWh per year)	119,137	77,439	166,792	232,317	109,606	83,396	123,903	592,111	95,310
Displaced Cost: (per year)	\$21,040	\$13,230	\$28,990	\$42,260	\$20,620	\$15,320	\$22,390	\$71,890	\$16,090

SREC Registration Program (SRP):

<http://www.NJCleanEnergy.com/SREC>

Community Solar Energy Pilot Program:

<http://www.NJCleanEnergy.com/CommunitySolar>



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

CLEAN ENERGY PROGRAM PORTFOLIO

ELIGIBLE SECTORS

Commercial, Industrial, Government, Non-Profit, Institutional and Multifamily

INCENTIVE PROGRAMS

Equipment Rebates:

- **SmartStart**
- **Customer Tailored Energy Efficiency Pilot (CTEEP)**
- **Direct Install**
- Large Energy Users

Whole Buildings:

- Pay for Performance

Energy Generation:

- Combined Heat and Power – Fuel Cells

OTHER PROGRAMS

Renewable Energy Generation:

- **SREC Registration Program (SRP)**
- **Community Solar**

RECOMMENDED NJCEP INCENTIVES PER BUILDING

Fair Lawn BOE	Direct Install	SmartStart	CTEEP
Buildings & Grounds Building	X	X	X
Warren Point Elementary School	X	X	X
Lyncrest Elementary School	X	X	X
John A. Forest Elementary School	X	X	X
Memorial Middle School	X	X	X
Thomas Jefferson Middle School	X	X	X
Milnes Elementary School	X	X	X
Radburn Elementary School	X	X	X
Westmoreland Elementary School	X	X	X
Fair Lawn High School*		X	X
Thomas Edison School	X	X	X



DIRECT INSTALL

NJCleanEnergy.com/DI



What is DI: Turn-key retrofit program to replace outdated and inefficient equipment, including lighting, HVAC, refrigeration, etc.

Qualifications: Average electric peak demand <200 kW in the previous 12 months

- About:**
- Pre-approved participating contractors provide support and process paperwork
 - Incentives paid directly to the contractor
 - Fast project turnaround time (4-6 months)

- Incentives:**
- \$125,000 incentive funding per project/building (\$250K UEZ/OZ/MUNI/K-12 Public Schools), or
 - \$250,000 entity cap (\$4MM UEZ/OZ/MUNI/K-12 Public Schools)

DIRECT INSTALL

NJCleanEnergy.com/DI

Facilities in Urban Enterprise Zones (UEZ), Opportunity Zones (OZ), municipalities, and K-12 public schools:

INCENTIVE FUNDING

CUSTOMER

Up to **80%** of installed cost is paid directly to the contractor

20% of installed cost

All other eligible facilities:

INCENTIVE FUNDING

CUSTOMER

Up to **70%** of installed cost is paid directly to the contractor

30% of installed cost



DIRECT INSTALL

NJCleanEnergy.com/DI

Participating Contractor

Lime Energy

Chris Fornicola

732-427-7278

chris.fornicola@lime-energy.com



SMARTSTART

NJCleanEnergy.com/SSB

What is SSB: Individual high efficiency equipment rebates for new construction, renovation, remodeling, equipment replacement

Qualifications: • All C&I customer types contributing into the Societal Benefits Charge (SBC)

About:

- Prescriptive and custom designed measures
- Pre-approval required only for lighting projects with incentives >\$100,000 and all custom projects
- For measures not requiring pre-approval, applications must be submitted to the program within one year of purchase.

Incentives:

- Prescriptive: \$500,000 cap for each electric or gas account
- Custom, lesser of the following:
 - \$0.16/kWh and/or \$1.60/Therm saved annually
 - 50% of incremental installed cost
 - Buy-down to 1 year payback based on incremental cost and savings



SMARTSTART

NJCleanEnergy.com/SSB

Prescriptive Incentives

- Lighting & Lighting Controls
- Packaged HVAC
- Boilers & Water Heaters
- Chillers
- VFD's
- Food Service
- Refrigeration

Prescriptive Only:

**DOUBLE
INCENTIVES FOR
OZ/UEZ/ MUNI/K-12
PUBLIC SCHOOLS**

Custom Incentives

- New or innovative technologies proven to be cost-effective and not listed as prescriptive
- Projects must have a minimum first year energy savings of 75,000 kWh or 1,500 therms
- Project pre and post inspection required



CUSTOMER TAILORED ENERGY EFFICIENCY PILOT

NJCleanEnergy.com/CTEEP

What is CTEEP: A streamlined/single application process for participants submitting multiple different technology types.

Qualifications:

- All C&I customer types contributing into the Societal Benefits Charge (SBC)

About:

- On site assistance available
- Additional technical incentive available to offset soft costs associated with developing and planning custom projects

Incentives:

- \$250,000 fiscal year entity cap
- Technical assistance incentives for custom project evaluation (up to \$10K)

**SAME INCENTIVE
VALUES AS
SMARTSTART**

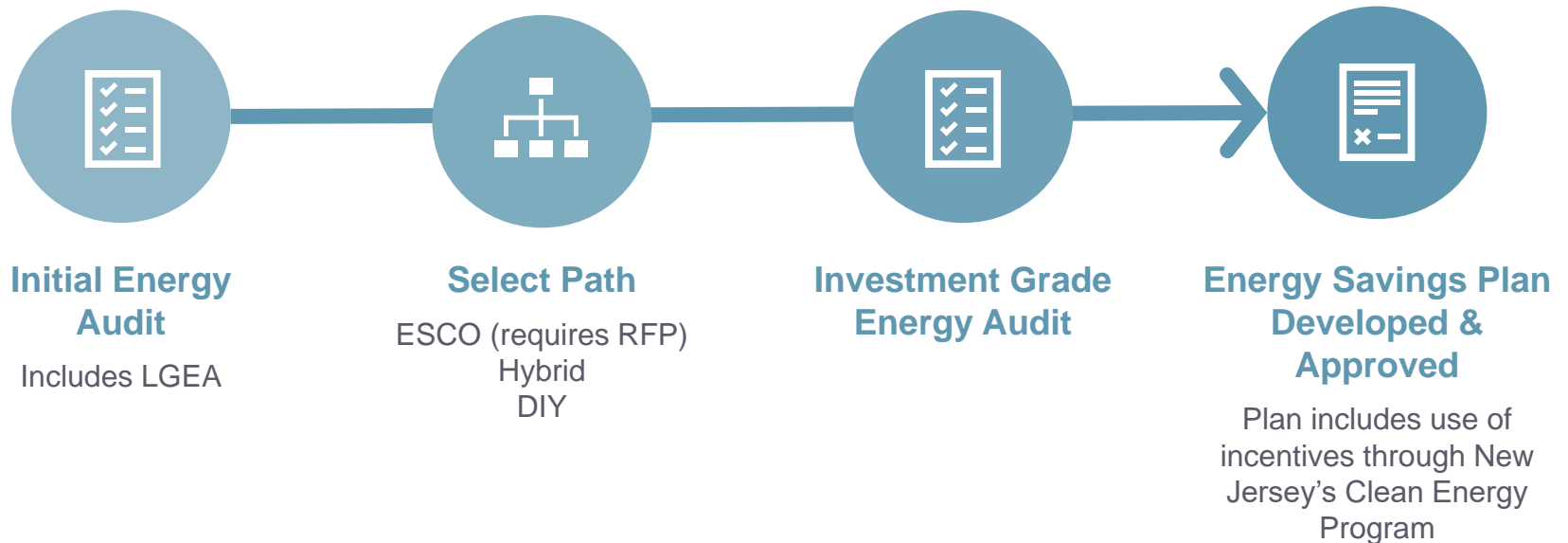
FINANCING MECHANISM: ESIP

ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- Provides alternative financing for energy savings projects at public institutions
- Administered directly by the BPU
- Value of energy savings leveraged to pay for cost of EE projects over a 15 year contract
- Requires NO new bonding and is outside of capital budget
- Does not count as debt or require voter approval



FINANCING MECHANISM: ESIP



ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

FOR MORE INFORMATION

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ESIP Coordinator

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FOR MORE INFORMATION

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QUESTIONS

