New Jersey's Clean Energy Program

LGEA Exit Meeting for: *Ringwood Board of Education*

October 24, 2019





INTRODUCTIONS

- Ringwood BOE
 - Nick Bernice Superintendent
 - Jessica Rapp Executive Asst. to the BA/BS
 - Steve Evans Buildings & Grounds Supervisor
- NJ Clean Energy Program
 - Aimee Lalonde TRC Program Manager
 - Kush Patel TRC Auditor
 - Sarah Walters TRC Account Manager
 - Mike Mandzik– TRC Outreach Manager
 - Michelle Rossi ESIP Coordinator
 - Arif Welcher Government/Business Manager (BPU)



Agenda

- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified
- Questions regarding the draft audit report
- Overview of NJCEP equipment incentives
- Next steps for Ringwood 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
- Food Service and Refrigeration

Utility Consumption:

- Electric Consumption and Costs
- Natural Gas Consumption and Costs

Sites Visited/Analyzed:

- Eleanor G. Hewitt Intermediate School
- Robert Erskine Elementary School
- Peter Cooper Elementary School
- Martin J. Ryerson Middle School





BENCHMARKING



Professional Engineer Stamp (if applicable)

Building Name	ENERGY STAR® Score
Hewitt Intermediate School	64
Erskine Elementary School	N/A
Cooper Elementary School	69
Ryerson Middle School	42

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.



Date

Signature:

Licensed Professional

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	288,355	63.6	-58.8	\$42,175.82	\$132,549.35	\$58,142.00	\$74,407.35	1.8	283,483
Install LED Fixtures	9,549	0.5	-0.6	\$1,448.39	\$32,640.26	\$5,580.00	\$27,060.26	18.7	9,544
Retrofit Fluorescent Fixtures with LED Lamps and Drivers	69	0.0	0.0	\$10.19	\$101.03	\$20.00	\$81.03	8.0	68
Retrofit Fixtures with LED Lamps	278,736	63.1	-58.2	\$40,717.24	\$99,808.06	\$52,542.00	\$47,266.06	1.2	273,872
Lighting Control Measures	36,775	8.0	-7.7	\$5,197.33	\$32,021.00	\$12,795.00	\$19,226.00	3.7	36,132
Install Occupancy Sensor Lighting Controls	28,603	6.5	-6.0	\$4,016.25	\$24,146.00	\$5,290.00	\$18,856.00	4.7	28,102
Install High/Low Lighting Controls	8,172	1.5	-1.7	\$1,181.08	\$7,875.00	\$7,505.00	\$370.00	0.3	8,029
Motor Upgrades	182	0.0	0.0	\$27.28	\$758.15	\$0.00	\$758.15	27.8	183
Premium Efficiency Motors	182	0.0	0.0	\$27.28	\$758.15	\$0.00	\$758.15	27.8	183
Variable Frequency Drive (VFD) Measures	39,602	12.4	0.0	\$5,893.67	\$74,272.88	\$6,240.00	\$68,032.88	11.5	39,879
Install VFDs on Constant Volume (CV) Fans	35,851	11.9	0.0	\$5,331.19	\$42,443.66	\$6,240.00	\$36,203.66	6.8	36,102
Install VFDs on Heating Water Pumps	3,751	0.6	0.0	\$562.48	\$31,829.22	\$0.00	\$31,829.22	56.6	3,777
Electric Unitary HVAC Measures	3,149	2.9	0.0	\$433.91	\$33,459.03	\$3,084.00	\$30,375.03	70.0	3,171
Install High Efficiency Air Conditioning Units	3,149	2.9	0.0	\$433.91	\$33,459.03	\$3,084.00	\$30,375.03	70.0	3,171
HVAC System Improvements	0	0.0	53.0	\$451.13	\$5,437.68	\$0.00	\$5,437.68	12.1	6,200
Implement Demand Control Ventilation (DCV)	0	0.0	53.0	\$451.13	\$5,437.68	\$0.00	\$5,437.68	12.1	6,200
Domestic Water Heating Upgrade	0	0.0	28.3	\$256.12	\$451.71	\$451.71	\$0.00	0.0	3,317
Install Low-Flow DHW Devices	0	0.0	28.3	\$256.12	\$451.71	\$451.71	\$0.00	0.0	3,317
Food Service Equipment & Refrigeration Measures	23,311	4.5	76.6	\$4,233.91	\$55,929.31	\$7,950.00	\$47,979.31	11.3	32,445
Food Service Equipment Replacement	20,856	4.3	76.6	\$3,892.85	\$51,419.81	\$7,100.00	\$44,319.81	11.4	29,973
Refrigerator/Freezer Case Electrically Commutated Motors	1,845	0.1	0.0	\$250.37	\$1,516.50	\$400.00	\$1,116.50	4.5	1,858
Replace Refrigeration Equipment	609	0.1	0.0	\$90.69	\$2,993.00	\$450.00	\$2,543.00	28.0	613
Plug Load Equipment Control - Vending Machine	2,821	0.3	0.0	\$423.00	\$460.00	\$200.00	\$260.00	0.6	2,840
Vending Machine Control	2,821	0.3	0.0	\$423.00	\$460.00	\$200.00	\$260.00	0.6	2,840
TOTALS TOTALS	394,194	91.8	91.4	\$ <mark>59,092.</mark> 17	\$335,339.11	\$88,862.71	\$246,476.40	4.2	407,651

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	288,355	63.6	-58.8	\$42,175.82	\$132,549.35	\$58,142.00	\$74,407.35	1.8	283,483
ECM 1 Install LED Fixtures	9,549	0.5	-0.6	\$1,448.39	\$32,640.26	\$5,580.00	\$27,060.26	18.7	9,544
ECM 2 Retrofit Fluorescent Fixtures with LED Lamps and Drivers	69	0.0	0.0	\$10.19	\$101.03	\$20.00	\$81.03	8.0	68
ECM 3 Retrofit Fixtures with LED Lamps	278,736	63.1	-58.2	\$40,717.24	\$99,808.06	\$52,542.00	\$47,266.06	1.2	273,872
Lighting Control Measures	36,775	8.0	-7.7	\$5,197.33	\$32,021.00	\$12,795.00	\$19,226.00	3.7	36,132
ECM 4 Install Occupancy Sensor Lighting Controls	28,603	6.5	-6.0	\$4,016.25	\$24,146.00	\$5,290.00	\$18,856.00	4.7	28,102
ECM 5 Install High/Low Lighting Controls	8,172	1.5	-1.7	\$1,181.08	\$7,875.00	\$7,505.00	\$370.00	0.3	8,029
Variable Frequency Drive (VFD) Measures	33,749	10.7	0.0	\$5,060.96	\$35,921.61	\$5,600.00	\$30,321.61	6.0	33,985
ECM 6 Install VFDs on Constant Volume (CV) Fans	33,749	10.7	0.0	\$5,060.96	\$35,921.61	\$5,600.00	\$30,321.61	6.0	33,985
Domestic Water Heating Upgrade	0	0.0	28.3	\$256.12	\$451.71	\$451.71	\$0.00	0.0	3,317
ECM 7 Install Low-Flow DHW Devices	0	0.0	28.3	\$256.12	\$451.71	\$451.71	\$0.00	0.0	3,317
Food Service Equipment & Refrigeration Measures	20,368	3.9	0.0	\$3,139.16	\$29,952.45	\$4,900.00	\$25,052.45	8.0	20,511
ECM 8 Food Service Equipment Replacement	18,523	3.7	0.0	\$2,888.79	\$28,435.95	\$4,500.00	\$23,935.95	8.3	18,653
ECM 9 Refrigerator/Freezer Case Electrically Commutated Motors	1,845	0.1	0.0	\$250.37	\$1,516.50	\$400.00	\$1,116.50	4.5	1,858
Plug Load Equipment Control - Vending Machine	2,821	0.3	0.0	\$423.00	\$460.00	\$200.00	\$260.00	0.6	2,840
ECM 10 Vending Machine Control	2,821	0.3	0.0	\$423.00	\$460.00	\$200.00	\$260.00	0.6	2,840
TOTALS	382,068	86.5	-38.2	\$56,252.39	\$231,356.12	\$82,088.71	\$149,267.41	2.7	380,268

* - 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.



ELEANOR G. HEWITT INTERMEDIATE 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 _z e Emissions Reduction (Ibs)
Lighting	Upgrades		70,917	13.3	-14	\$10,915	\$45,967	\$15,236	\$30,731	2.8	69,753
ECM 1	Install LED Fixtures	Yes	4,380	0.2	0	\$680	\$24,393	\$4,080	\$20,313	29.9	4,377
ECM 2	Retrofit Fixtures with LED Lamps	Yes	66,537	13.1	-14	\$10,235	\$21,574	\$11,156	\$10,418	1.0	65,376
Electric	Jnitary HVAC Measures		843	0.7	0	\$131	\$14,962	\$1,840	\$13,122	99.8	849
ECM 3	Install High Efficiency Air Conditioning Units	No	843	0.7	0	\$131	\$14,962	\$1,840	\$13,122	99.8	849
Domest	c Water Heating Upgrade		0	0.0	8	\$85	\$143	\$143	\$0	0.0	980
ECM 4	Install Low-Flow DHW Devices	Yes	0	0.0	8	\$85	\$143	\$143	\$0	0.0	980
Food Se	rvice & Refrigeration Measures		18,523	3.7	0	\$2,889	\$28,436	\$4,500	\$23,936	8.3	18,653
ECM 5	Food Service Equipment Replacement	Yes	18,523	3.7	0	\$2,889	\$28,436	\$4,500	\$23,936	8.3	18,653
	TOTALS (COST EFFECTIVE MEASURES)		89,440	17.0	-6	\$13,889	\$74,546	\$19,879	\$54,667	3.9	89,386
	TOTALS (ALL MEASURES)		90,283	17.7	-6	\$14,021	\$89,508	\$21,719	\$67,789	4.8	90,235

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



ROBERT ERSKINE ELEMENTARY SCHOOL

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MIMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		86,536	16.2	-18	\$12,733	\$28,107	\$13,824	\$14,283	1.1	85,085
ECM 1	Install LED Fixtures	Yes	3,785	0.2	0	\$561	\$3,417	\$500	\$2,917	5.2	3,773
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	69	0.0	0	\$10	\$101	\$20	\$81	7.9	68
ECM 3	Retrofit Fixtures with LED Lamps	Yes	82,681	15.9	-17	\$12,162	\$24,588	\$13,304	\$11,284	0.9	81,243
Lighting	Control Measures		19,159	3.4	-4	\$2,818	\$12,131	\$3,995	\$8,136	2.9	18,824
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	16,492	2.9	-3	\$2,426	\$10,106	\$2,070	\$8,036	3.3	16,204
ECM 5	Install High/Low Lighting Controls	Yes	2,667	0.5	-1	\$392	\$2,025	\$1,925	\$100	0.3	2,621
Electric I	Jnitary HVAC Measures		294	0.4	0	\$44	\$2,178	\$0	\$2,178	49.8	296
ECM 6	Install High Efficiency Air Conditioning Units	No	294	0.4	0	\$44	\$2,178	\$0	\$2,178	49.8	296
Domesti	c Water Heating Upgrade		0	0.0	7	\$61	\$108	\$108	\$0	0.0	833
ECM 7	Install Low-Flow DHW Devices	Yes	0	0.0	7	\$61	\$108	\$108	\$0	0.0	833
Food Se	rvice & Refrigeration Measures		2,942	0.6	77	\$1,095	\$25,977	\$3,050	\$22,927	20.9	11,934
ECM 8	Food Service Equipment Replacement	No	2,333	0.5	77	\$1,004	\$22,984	\$2,600	\$20,384	20.3	11,321
	TOTALS (COST EFFECTIVE MEASURES)		105,695	19.6	-14	\$15,612	\$40,345	\$17,927	\$22,419	1.4	104,742
	TOTALS (ALL MEASURES)		108,931	20.6	62	\$16,750	\$68,500	\$20,977	\$47,523	2.8	116,972

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



Peter Cooper 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 (Ibs)
Lighting	Upgrades		40,662	12.0	-9	\$5,154	\$18,573	\$9,896	\$8,677	1.7	39,951
ECM 1	Retrofit Fixtures with LED Lamps	Yes	40,662	12.0	-9	\$5,154	\$18,573	\$9,896	\$8,677	1.7	39,951
Lighting	Control Measures		10,778	3.2	-2	\$1,366	\$10,215	\$3,800	\$6,415	4.7	10,590
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	9,520	2.8	-2	\$1,207	\$8,640	\$2,240	\$6,400	5.3	9,353
ECM 3	Install High/Low Lighting Controls	Yes	1,259	0.4	0	\$160	\$1,575	\$1,560	\$15	0.1	1,237
Variable	Frequency Drive (VFD) Measures		2,102	1.2	0	\$270	\$6,522	\$640	\$5,882	21.8	2,117
ECM 4	Install VFDs on Constant Volume (CV) Fans	No	2,102	1.2	0	\$270	\$6,522	\$640	\$5,882	21.8	2,117
Electric	Unitary HVAC Measures		2,013	1.8	0	\$259	\$16,319	\$1,244	\$15,075	58.3	2,027
ECM 5	Install High Efficiency Air Conditioning Units	No	2,013	1.8	0	\$259	\$16,319	\$1,244	\$15,075	58.3	2,027
Domest	ic Water Heating Upgrade		0	0.0	3	\$29	\$57	\$57	\$0	0.0	392
ECM 6	Install Low-Flow DHW Devices	Yes	0	0.0	3	\$29	\$57	\$57	\$0	0.0	392
Food Se	rvice & Refrigeration Measures		1,230	0.1	0	\$158	\$910	\$240	\$670	4.2	1,239
ECM 7	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	1,230	0.1	0	\$158	\$910	\$240	\$670	4.2	1,239
	TOTALS (COST EFFECTIVE MEASURES)		52,671	15.3	-7	\$6,707	\$29,755	\$13,993	\$15,762	2.4	52,172
	TOTALS (ALL MEASURES)		56,786	18.3	-7	\$7,236	\$52,596	\$15,877	\$36,719	5.1	56,316

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



MARTIN J. RYERSON MIDDLE SCHOOL

cleanenergy

program[®]

#	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 (Ibs)
Lighting	Upgrades		90,240	22.1	-19	\$13,374	\$39,903	\$19,186	\$20,717	1.5	88,695
ECM 1	Install LED Fixtures	Yes	1,384	0.0	0	\$208	\$4,830	\$1,000	\$3 <i>,</i> 830	18.5	1,393
ECM 2	Retrofit Fixtures with LED Lamps	Yes	88,856	22.1	-19	\$13,167	\$35,073	\$18,186	\$16,887	1.3	87,302
Lighting	Control Measures		6,837	1.5	-1	\$1,013	\$9,675	\$5,000	\$4,675	4.6	6,718
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	2,591	0.8	-1	\$384	\$5 <i>,</i> 400	\$980	\$4,420	11.5	2,546
ECM 4	Install High/Low Lighting Controls	Yes	4,246	0.7	-1	\$629	\$4,275	\$4,020	\$255	0.4	4,172
Motor U	pgrades		182	0.0	0	\$27	\$758	\$0	\$758	27.8	183
ECM 5	Premium Efficiency Motors	No	182	0.0	0	\$27	\$758	\$0	\$758	27.8	183
Variable	Frequency Drive (VFD) Measures		37,500	11.2	0	\$5,623	\$67,751	\$5,600	\$62,151	11.1	37,762
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	33,749	10.7	0	\$5,061	\$35,922	\$5,600	\$30,322	6.0	33,985
ECM 7	Install VFDs on Heating Water Pumps	No	3,751	0.6	0	\$562	\$31,829	\$0	\$31,829	56.6	3,777
HVAC Sy	stem Improvements		0	0.0	53	\$451	\$5,438	\$0	\$5,438	12.1	6,200
ECM 8	Implement Demand Control Ventilation (DCV)	No	0	0.0	53	\$451	\$5 <i>,</i> 438	\$0	\$5 <i>,</i> 438	12.1	6,200
Domesti	c Water Heating Upgrade		0	0.0	9	\$81	\$143	\$143	\$0	0.0	1,111
ECM 9	Install Low-Flow DHW Devices	Yes	0	0.0	9	\$81	\$143	\$143	\$0	0.0	1,111
Food Sei	vice & Refrigeration Measures		3,436	0.4	0	\$515	\$1,067	\$360	\$707	1.4	3,460
ECM 10	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	615	0.0	0	\$92	\$607	\$160	\$447	4.8	619
ECM 11	Vending Machine Control	Yes	2,821	0.3	0	\$423	\$460	\$200	\$260	0.6	2,840
	TOTALS (COST EFFECTIVE MEASURES)		134,261	34.6	-11	\$20,044	\$86,710	\$30,289	\$56,420	2.8	133,969
	TOTALS (ALL MEASURES)		138,194	35.2	42	\$21,085	\$124,735	\$30,289	\$94,445	4.5	144,129

SOLAR ENERGY GENERATION POTENTIAL

	Hewitt	Erskine	Cooper	Ryerson
Potential:	HIGH	HIGH	Medium	HIGH
System Potential: (kW)	135	75	74	120
Electric Generation: (kWh per year)	160,835	89,353	55,681	42,965
Displaced Cost: (per year)	\$25,080	\$13,300	\$7,160	\$21,440

SREC Registration Program (SRP):

http://www.NJCleanEnergy.com/SREC

Community Solar Energy Pilot Program:

http://www.NJCleanEnergy.com/Com munitySolar



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

INCENTIVE PROGRAMS

OTHER PROGRAMS



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

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

Renewable Energy Generation:

- SREC Registration Program (SRP)
- Community Solar

RECOMMENDED NJCEP INCENTIVES PER BUILDING

	Direct Install	SmartStart	CTEEP
Hewitt Intermediate School	Х	Х	Х
Erskine Elementary School	Х	Х	Х
Cooper Elementary School	Х	Х	Х
Ryerson Middle School	Х	Х	Х



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 (<u>\$250K</u>UEZ/OZ/ MUNI/<u>K-12 Public Schools</u>), or
 - \$250,000 entity cap (<u>\$4MM</u> UEZ/OZ/MUNI/<u>K-12 Public Schools</u>)



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





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 <u>all</u> 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





Program

ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

FOR MORE INFORMATION

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QUESTIONS



