New Jersey's Clean Energy Program

LGEA Presentation Union Beach Public School District

December 3, 2020





INTRODUCTIONS

- Union Beach Public School District
 - Jamison Lauer Building & Grounds Supervisor
- NJ Clean Energy Program
 - Aimee Lalonde TRC Program Manager
 - Aditya Saxena TRC Auditor
 - Sarah Walters TRC Account Manager
 - Tony O'Donnell TRC Outreach Manager
 - Michelle Rossi ESIP Coordinator (BPU)



Agenda

- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified & other recommendations
- Energy Savings Improvement Program (ESIP)
- Overview of NJCEP equipment incentives
- Questions regarding the draft audit report
- Next steps for Union Beach Public Schools



LGEA PROCESS

Application Approval

Scheduling Call

Audit

Benchmarking & Analysis

Draft Report

LGEA Presentation

Final Report



SITE VISIT & UTILITY ANALYSIS

Overview of Systems, Baseline & Existing Conditions:

- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment
- Energy Management System

Utility Consumption:

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

Sites Visited/Analyzed

- Memorial School
- Adult School/Borough Office
- Board Office



UTILITY BREAKOUT

Percent of Total Annual Energy Costs



Pre & Post Implementation Cost



Benchmarking



Professional Engineer or Registered Architect Stamp (If applicable)

Rew Jersey's Cleanenergy program[™]

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

BENCHMARKING





ALL OPPORTUNITIES

Savings Potential





ALL OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (Ibs)
Lighting	Upgrades	185,687	55.9	-38.1	\$13,435	\$124,207	\$32,424	\$91,783	6.8	182,519
ECM 1	Install LED Fixtures	10,619	2.4	-1.6	\$656	\$11,296	\$2,200	\$9,096	13.9	10,507
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	95,112	31.7	-19.9	\$5 <i>,</i> 958	\$80,657	\$14,260	\$66,397	11.1	93,449
ECM 3	Retrofit Fixtures with LED Lamps	79,956	21.8	-16.7	\$6,821	\$32,253	\$15,964	\$16,289	2.4	78,563
Lighting	Control Measures	38,904	10.4	-8.1	\$2,898	\$36,778	\$14,490	\$22,288	7.7	38,224
ECM 4	Install Occupancy Sensor Lighting Controls	32,431	9.0	-6.8	\$2,276	\$28,771	\$7,240	\$21,531	9.5	31,863
ECM 5	Install Daylight Dimming/Photocell Controls	430	0.2	-0.1	\$54	\$1,250	\$970	\$280	5.2	422
ECM 6	Install High/Low Lighting Controls	6,044	1.2	-1.3	\$568	\$6,757	\$6,280	\$477	0.8	5,938
Variable	Frequency Drive (VFD) Measures	31,854	5.7	23.5	\$2,271	\$127,072	\$9,500	\$117,572	51.8	34,824
ECM 7	Install VFDs on Constant Volume (CV) Fans	6,301	2.9	0.0	\$399	\$8,152	\$3,600	\$4,552	11.4	6,345
ECM 8	Install VFDs on Heating Water Pumps	24,271	2.8	0.0	\$1,538	\$115,910	\$5,750	\$110,160	71.6	24,441
ECM 9	Install VFDs on Kitchen Hood Fan Motors	1,282	0.0	23.5	\$334	\$3,010	\$150	\$2,860	8.6	4,038
Electric	Unitary HVAC Measures	8,485	9.5	0.0	\$726	\$188,913	\$17,696	\$171,217	235.9	8,544
ECM 10	Install High Efficiency Air Conditioning Units	8,485	9.5	0.0	\$726	\$188,913	\$17,696	\$171,217	235.9	8,544



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 (Ibs)
Gas Heat	ting (HVAC/Process) Replacement	0	0.0	258.6	\$2,787	\$72,240	\$11,301	\$60,939	21.9	30,279
ECM 11	Install High Efficiency Hot Water Boilers	0	0.0	245.0	\$2,641	\$57,111	\$10,469	\$46,642	17.7	28,692
ECM 12	Install High Efficiency Steam Boilers	0	0.0	13.6	\$146	\$15,129	\$832	\$14,297	97.9	1,587
HVAC Sy	stem Improvements	1,710	0.0	297.2	\$3,322	\$20,426	\$7,722	\$12,704	3.8	36,517
ECM 13	Install Occupancy-Controlled Thermostats	0	0.0	237.2	\$2,556	\$12,166	\$7,650	\$4,516	1.8	27,773
ECM 14	Implement Demand Control Ventilation (DCV)	1,536	0.0	60.0	\$744	\$8,157	\$0	\$8,157	11.0	8,568
ECM 15	Install Pipe Insulation	174	0.0	0.0	\$22	\$104	\$72	\$32	1.4	175
Domesti	ic Water Heating Upgrade	1,104	0.0	54.8	\$730	\$18,199	\$2,721	\$15,478	21.2	7,529
ECM 16	Install High Efficiency Gas-Fired Water Heater	0	0.0	20.5	\$221	\$17,568	\$2,128	\$15,440	70.0	2,398
ECM 17	Install Low-Flow DHW Devices	1,104	0.0	34.3	\$509	\$631	\$593	\$38	0.1	5,131
Food Se	rvice & Refrigeration Measures	2,543	0.1	0.0	\$161	\$4,561	\$620	\$3,941	24.5	2,561
ECM 18	Refrigerator/Freezer Case Electrically Commutated Motors	885	0.1	0.0	\$56	\$1,213	\$320	\$893	15.9	891
ECM 19	Refrigeration Controls	1,658	0.0	0.0	\$105	\$3,348	\$300	\$3,048	29.0	1,670
Custom	Measures	32,835	0.0	276.4	\$5,294	\$91,459	\$0	\$91,459	17.3	65,422
ECM 20	Installation of an Energy Management System	12,610	0.0	251.0	\$3,503	\$87,547	\$0	\$87,547	25.0	42,082
ECM 21	Install Heat Pump Water Heater	1,899	0.0	0.0	\$357	\$2,970	\$0	\$2,970	8.3	1,912
ECM 22	Optimize Boiler Controls	0	0.0	25.4	\$273	\$27	\$0	\$27	0.1	2,973
ECM 23	Timer Controls for Window ACs	18,326	0.0	0.0	\$1,161	\$915	\$0	\$915	0.8	18,454
	TOTALS	303,122	81.6	864.1	\$31,624	\$683,855	\$96,474	\$587,382	18.6	406,418

* - 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).

COST EFFECTIVE OPPORTUNITIES

Savings Potential





COST EFFECTIVE OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO₂e Emissions Reduction (Ibs)
Lighting	Upgrades	185,687	55.9	-38.1	\$13,435	\$124,207	\$32,424	\$91,783	6.8	182,519
ECM 1	Install LED Fixtures	10,619	2.4	-1.6	\$656	\$11,296	\$2,200	\$9,096	13.9	10,507
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	95,112	31.7	-19.9	\$5 <i>,</i> 958	\$80,657	\$14,260	\$66,397	11.1	93,449
ECM 3	Retrofit Fixtures with LED Lamps	79,956	21.8	-16.7	\$6,821	\$32,253	\$15,964	\$16,289	2.4	78,563
Lighting	Control Measures	38,904	10.4	-8.1	\$2,898	\$36,778	\$14,490	\$22,288	7.7	38,224
ECM 4	Install Occupancy Sensor Lighting Controls	32,431	9.0	-6.8	\$2,276	\$28,771	\$7,240	\$21,531	9.5	31,863
ECM 5	Install Daylight Dimming/Photocell Controls	430	0.2	-0.1	\$54	\$1,250	\$970	\$280	5.2	422
ECM 6	Install High/Low Lighting Controls	6,044	1.2	-1.3	\$568	\$6,757	\$6,280	\$477	0.8	5,938
HVAC Sy	stem Improvements	174	0.0	237.2	\$2,578	\$12,269	\$7,722	\$4,547	1.8	27,949
ECM 13	Install Occupancy-Controlled Thermostats	0	0.0	237.2	\$2,556	\$12,166	\$7,650	\$4,516	1.8	27,773
ECM 15	Install Pipe Insulation	174	0.0	0.0	\$22	\$104	\$72	\$32	1.4	175
Domesti	ic Water Heating Upgrade	1,104	0.0	34.3	\$509	\$631	\$593	\$38	0.1	5,131
ECM 17	Install Low-Flow DHW Devices	1,104	0.0	34.3	\$509	\$631	\$593	\$38	0.1	5,131
Custom	Measures	20,225	0.0	25.4	\$1,791	\$3,912	\$0	\$3,912	2.2	23,340
ECM 21	Install Heat Pump Water Heater	1,899	0.0	0.0	\$357	\$2,970	\$0	\$2,970	8.3	1,912
ECM 22	Optimize Boiler Controls	0	0.0	25.4	\$273	\$27	\$0	\$27	0.1	2,973
	TOTALS	247,376	66.3	274.1	\$21,546	\$180,807	\$55,379	\$125,428	5.8	281,200

* - 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).

Memorial 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		167,357	50.5	-34	\$10,234	\$116,510	\$28,928	\$87,582	8.6	164,509
ECM 1	Install LED Fixtures	Yes	10,619	2.4	-2	\$656	\$11,296	\$2,200	\$9,096	13.9	10,507
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	93,649	30.4	-20	\$5,723	\$77,921	\$13,400	\$64,521	11.3	92,011
ECM 3	Retrofit Fixtures with LED Lamps	Yes	63,089	17.7	-13	\$3,856	\$27,292	\$13,328	\$13,964	3.6	61,991
Lighting	Control Measures		34,304	9.3	-7	\$2,096	\$32,146	\$12,310	\$19,836	9.5	33,704
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	29,893	8.3	-6	\$1,827	\$26,296	\$6,630	\$19,666	10.8	29,370
ECM 5	Install High/Low Lighting Controls	Yes	4,411	0.9	-1	\$270	\$5,850	\$5,680	\$170	0.6	4,334
Variable	Frequency Drive (VFD) Measures		31,854	5.7	23	\$2,271	\$127,072	\$9,500	\$117,572	51.8	34,824
ECM 6	Install VFDs on Constant Volume (CV) Fans	No	6,301	2.9	0	\$399	\$8,152	\$3,600	\$4,552	11.4	6,345
ECM 7	Install VFDs on Heating Water Pumps	No	24,271	2.8	0	\$1,538	\$115,910	\$5,750	\$110,160	71.6	24,441
ECM 8	Install VFDs on Kitchen Hood Fan Motors	Yes	1,282	0.0	23	\$334	\$3,010	\$150	\$2,860	8.6	4,038
Electric	Unitary HVAC Measures		6,915	8.4	0	\$438	\$177,754	\$17,696	\$160,058	365.3	6,964
ECM 9	Install High Efficiency Air Conditioning Units	No	6,915	8.4	0	\$438	\$177,754	\$17,696	\$160,058	365.3	6,964
Gas Hea	ting (HVAC/Process) Replacement		0	0.0	245	\$2,641	\$57,111	\$10,469	\$46,642	17.7	28,692
ECM 10	Install High Efficiency Hot Water Boilers	No	0	0.0	245	\$2,641	\$57,111	\$10,469	\$46,642	17.7	28,692
HVAC S	ystem Improvements		1,536	0.0	297	\$3,300	\$20,322	\$7,650	\$12,672	3.8	36,341
ECM 11	Install Occupancy Controlled Thermostats	Yes	0	0.0	237	\$2,556	\$12,166	\$7,650	\$4,516	1.8	27,773
ECM 12	Implement Demand Control Ventilation (DCV)	No	1,536	0.0	60	\$744	\$8,157	\$0	\$8,157	11.0	8,568
Domest	ic Water Heating Upgrade		491	0.0	55	\$622	\$18,170	\$2,692	\$15,478	24.9	6,912
ECM 13	Install High Efficiency Gas-Fired Water Heater	No	0	0.0	20	\$221	\$17,568	\$2,128	\$15,440	70.0	2,398
ECM 14	Install Low-Flow DHW Devices	Yes	491	0.0	34	\$401	\$602	\$564	\$38	0.1	4,514
Food Se	rvice & Refrigeration Measures		2,543	0.1	0	\$161	\$4,561	\$620	\$3,941	24.5	2,561
ECM 15	Refrigerator/Freezer Case Electrically Commutated Motors	No	885	0.1	0	\$56	\$1,213	\$320	\$893	15.9	891
ECM 16	Refrigeration Controls	No	1,658	0.0	0	\$105	\$3,348	\$300	\$3,048	29.0	1,670
Custom	Measures		30,936	0.0	251	\$4,664	\$88,462	\$0	\$88,462	19.0	60,536
ECM 17	Installation of an Energy Management System	No	12,610	0.0	251	\$3,503	\$87,547	\$0	\$87,547	25.0	42,082
ECM 18	Timer Controls for Window ACs	Yes	18,326	0.0	0	\$1,161	\$915	\$0	\$915	0.8	18,454
	TOTALS (COST EFFECTIVE MEASURES)		221,760	59.8	254	\$16,783	\$165,348	\$49,602	\$115,746	6.9	252,992
	TOTALS (ALL MEASURES)		275,936	74.0	830	\$26,427	\$642,109	\$89,865	\$552,243	20.9	375,043

ADULT SCHOOL / BOROUGH OFFICE

	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)**	CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		14,864	3.3	-3	\$2,763	\$5,080	\$2,340	\$2,740	1.0	14,604
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	855	0.6	0	\$159	\$1,613	\$500	\$1,113	7.0	840
ECM 2	Retrofit Fixtures with LED Lamps	Yes	14,009	2.7	-3	\$2,604	\$3,467	\$1,840	\$1,627	0.6	13,764
Lighting	Control Measures		3,709	0.6	-1	\$690	\$2,302	\$950	\$1,352	2.0	3,644
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	2,155	0.4	0	\$401	\$1,620	\$420	\$1,200	3.0	2,117
ECM 4	Install High/Low Lighting Controls	Yes	1,555	0.2	0	\$289	\$682	\$530	\$152	0.5	1,527
Electric	Jnitary HVAC Measures		1,442	1.0	0	\$271	\$10,252	\$0	\$10,252	37.8	1,452
ECM 5	Install High Efficiency Air Conditioning Units	No	1,442	1.0	0	\$271	\$10,252	\$0	\$10,252	37.8	1,452
Domest	c Water Heating Upgrade		491	0.0	0	\$92	\$22	\$22	\$0	0.0	494
ECM 6	Install Low-Flow DHW Devices	Yes	491	0.0	0	\$92	\$22	\$22	\$0	0.0	494
Custom	Measures		1,899	0.0	25	\$630	\$2,997	\$0	\$2,997	4.8	4,886
ECM 7	Install Heat Pump Water Heater	Yes	1,899	0.0	0	\$357	\$2,970	\$0	\$2,970	8.3	1,912
ECM 8	Optimize Boiler Controls	Yes	0	0.0	25	\$273	\$27	\$0	\$27	0.1	2,973
	TOTALS (COST EFFECTIVE MEASURES)		20,963	4.0	22	\$4,175	\$10,401	\$3,312	\$7,089	1.7	23,628
	TOTALS (ALL MEASURES)		22,405	5.0	22	\$4,446	\$20,653	\$3,312	\$17,342	3.9	25,080

* - 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).



BOARD OFFICE

	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)**	CO2e Emissions Reduction (Ibs)
Lighting	Upgrades		3,466	2.0	-1	\$437	\$2,617	\$1,156	\$1,461	3.3	3,406
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	608	0.7	0	\$77	\$1,123	\$360	\$763	9.9	597
ECM 2	Retrofit Fixtures with LED Lamps	Yes	2,858	1.4	-1	\$361	\$1,494	\$796	\$698	1.9	2,808
Lighting	Control Measures		891	0.5	0	\$112	\$2,330	\$1,230	\$1,100	9.8	875
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	383	0.3	0	\$48	\$855	\$190	\$665	13.7	377
ECM 4	Install Daylight Dimming Controls	Yes	430	0.2	0	\$54	\$1,250	\$970	\$280	5.2	422
ECM 5	Install High/Low Lighting Controls	Yes	78	0.0	0	\$10	\$225	\$70	\$155	15.8	77
Electric	Unitary HVAC Measures		127	0.1	0	\$16	\$907	\$0	\$907	55.7	128
ECM 6	Install High Efficiency Air Conditioning Units	No	127	0.1	0	\$16	\$907	\$0	\$907	55.7	128
Gas Hea	ting (HVAC/Process) Replacement		0	0.0	14	\$146	\$15,129	\$832	\$14,297	97.9	1,587
ECM 7	Install High Efficiency Steam Boilers	No	0	0.0	14	\$146	\$15,129	\$832	\$14,297	97.9	1,587
HVAC Sy	stem Improvements		174	0.0	0	\$22	\$104	\$72	\$32	1.4	175
ECM 8	Install Pipe Insulation	Yes	174	0.0	0	\$22	\$104	\$72	\$32	1.4	175
Domest	c Water Heating Upgrade		123	0.0	0	\$16	\$7	\$7	\$0	0.0	124
ECM 9	Install Low-Flow DHW Devices	Yes	123	0.0	0	\$16	\$7	\$7	\$0	0.0	124
	TOTALS (COST EFFECTIVE MEASURES)		4,654	2.5	-1	\$588	\$5,058	\$2,465	\$2,592	4.4	4,580
	TOTALS (ALL MEASURES)		4,781	2.6	13	\$750	\$21,094	\$3,297	\$17,796	23.7	6,295

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ENERGY EFFICIENT BEST PRACTICES

- Reduce Air Leakage
- Close Doors and Windows
- Develop a Lighting Maintenance Schedule
- Ensure Lighting Controls
 Are Operating Properly
- Use Fans to Reduce Cooling Load
- Use Window Treatments/Coverings

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

See individual reports for specific EE practices by building



MEASURES FOR FUTURE CONSIDERATION

Upgrade to a Heat Pump System



SOLAR ENERGY GENERATION POTENTIAL

	Memorial School
Potential:	HIGH
System Potential: (kW)	75
Electric Generation: (kWh per year)	89,353
Displaced Cost: (per year)	\$5,660

Transition Incentive (TI) Program:

https://www.njcleanenergy.com/renewableenergy/programs/transition-incentive-program Community Solar Energy Pilot Program:

http://www.NJCleanEnergy.com/ CommunitySolar



FINANCING MECHANISM: ESIP

ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- Provides alternative financing for energy savings projects at public institutions
- Administered directly by the NJBPU
- Project is paid for with the value of its own energy savings
- 15 or 20-year repayment term
- NJCEP incentives/rebates are layered within an ESIP
- No upfront capital expenses
- Doesn't require voter approval



FINANCING MECHANISM: ESIP



Rew Jersey's Cleanenergy

Program

ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

FOR MORE INFORMATION

Michelle Rossi ESIP Coordinator ESIP@bpu.nj.gov o: 609.633.9641 c: 609.915.0903



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:

- Transition Incentive (TI) Program
- Community Solar

RECOMMENDED NJCEP INCENTIVES PER BUILDING

Entity Name	Direct Install	SmartStart	CTEEP
Memorial School	Х	Х	Х
Adult School / Borough Office	Х	Х	Х
Board Office	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/ Local Govt./<u>K-12 Public Schools</u>), or
 - \$250,000 entity cap (\$4MM UEZ/OZ/Local Govt./<u>K-12 Public</u> <u>Schools</u>)



DIRECT INSTALL

NJCleanEnergy.com/DI

Facilities in Urban Enterprise Zones (UEZ), Opportunity Zones (OZ), Local Governments, 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

Hutchinson Mechanical Services Pete Hatton 856-429-5828 x259 petehatton@hutchbiz.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

- Electric Chillers
- Gas Cooling
- Electric Unitary HVAC
- Ground Source Heat Pumps
- Gas Heating
- Variable Frequency Drives
- Gas Water Heating
- Lighting/Lighting Controls
- Refrigeration Doors
- Refrigeration Controls
- Food Service Equipment
- Refrigerator/Freezer Motors



DOUBLE INCENTIVES

for OZ/UEZ, local government (munis & counties), K-12 public school, or designated as affordable housing



- New or innovative technologies proven to be cost-effective and not listed as prescriptive
- Must meet code for retrofit projects or exceed code for new construction
- 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:

- Up to \$500,000 for each electric or gas account
- Technical assistance incentives for custom project evaluation (up to \$10K)

SAME INCENTIVE VALUES AS SMARTSTART



CTEEP: CUSTOMER TAILORED ENERGY EFFICIENCY PILOT

NJCleanEnergy.com/CTEEF

program"



DI, SMARTSTART, & CTEEP: FINANCING OPTION

- Direct Install: Eligible NJNG customers can <u>finance the remaining 30 percent balance</u> at 0% APR through the "SAVEGREEN Project® On-Bill Repayment Program" (OBRP) for 36 months.
- NJNG provides 0% financing options that will cover up to \$130,000 per year.
- 10 year term-repayments made on regular monthly gas bill
- Need to review project with NJNG to confirm project qualifies.



• Questions? Contact:

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FOR MORE INFORMATION

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QUESTIONS



