New Jersey's Clean Energy Program

LGEA Exit Meeting for:

Borough of Haddon Heights

October 25, 2019

INTRODUCTIONS

- *Borough of Haddon Heights*
  - Kelly Santosusso – Operations Manager
  - Asiyah Kurtz – Councilwoman

- *NJ Clean Energy Program*
  - Yagna Otia – TRC Auditor
  - Sarah Walters – TRC Account Manager
  - Amanda Newman– TRC Outreach Manager
  - Michelle Rossi – ESIP Coordinator
  - Arif Welcher – Government/Business Manager

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 Haddon Heights

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:

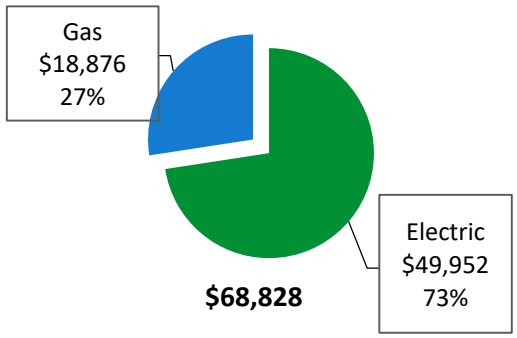
- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment

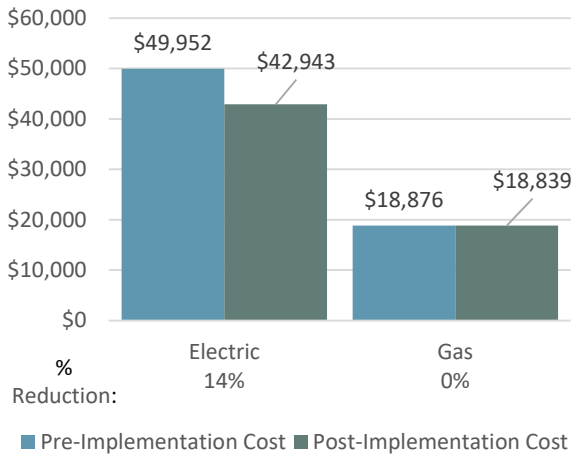
Sites Visited/Analyzed:

- Borough Hall
- Fire Department
- Service Operations Facility
- Cedar Avenue Pump Station
- Lake Street Pump Station
- Community Center
- Log Cabin

Utility Consumption:

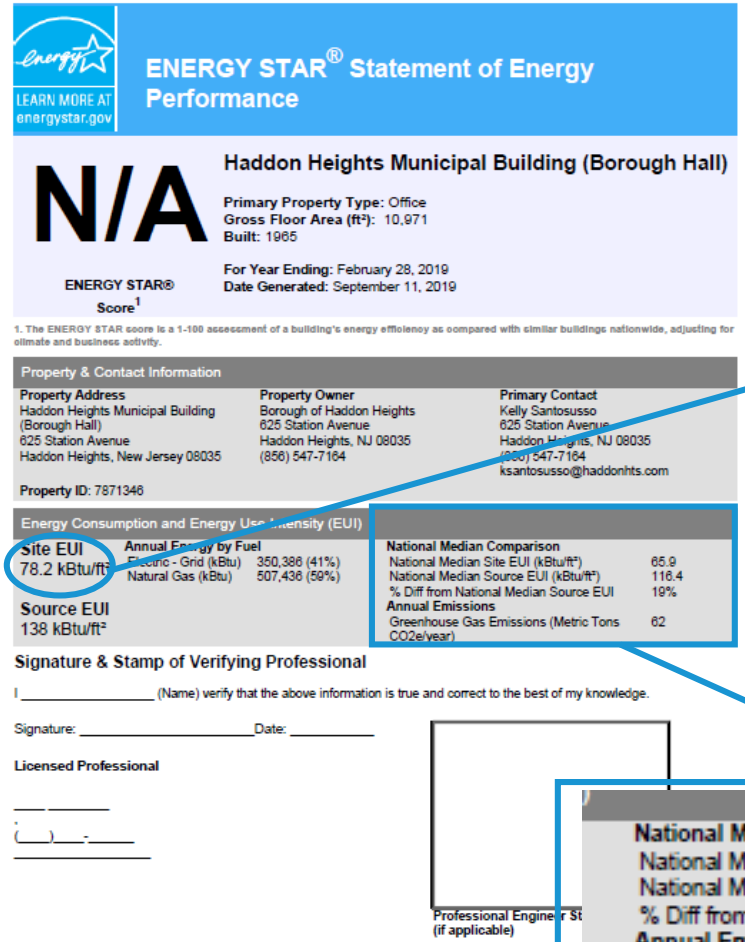
- Electric Consumption and Costs
- Natural Gas Consumption and Costs





New Jersey's cleanenergy program™

BENCHMARKING



ENERGY STAR® Statement of Energy Performance

LEARN MORE AT energystar.gov

N/A

ENERGY STAR® Score[1]

Haddon Heights Municipal Building (Borough Hall)

Primary Property Type: Office
Gross Floor Area (ft²): 10,971
Built: 1965

For Year Ending: February 28, 2019
Date Generated: September 11, 2019

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

Property & Contact Information

Property Address	Property Owner	Primary Contact
Haddon Heights Municipal Building (Borough Hall) 625 Station Avenue Haddon Heights, New Jersey 08035	Borough of Haddon Heights 625 Station Avenue Haddon Heights, NJ 08035 (856) 547-7164	Kelly Santosusso 625 Station Avenue Haddon Heights, NJ 08035 (856) 547-7164 ksantosusso@haddonhts.com

Property ID: 7871346

Energy Consumption and Energy Use Intensity (EUI)

Site EUI
78.2 kBtu/ft²

Source EUI
138 kBtu/ft²

Annual Energy by Fuel

Electric - Grid (kBtu)	350,386 (41%)
Natural Gas (kBtu)	507,436 (59%)

National Median Comparison

National Median Site EUI (kBtu/ft²)	65.9
National Median Source EUI (kBtu/ft²)	116.4
% Diff from National Median Source EUI	19%
Annual Emissions	
Greenhouse Gas Emissions (Metric Tons CO2e/year)	62

Signature & Stamp of Verifying Professional

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

Signature: _____ Date: _____

Licensed Professional

Professional Engineer Stamp (if applicable)

Site EUI
78.2 kBtu/ft²

Source EUI
138 kBtu/ft²

National Median Comparison

National Median Site EUI (kBtu/ft²)	65.9
National Median Source EUI (kBtu/ft²)	116.4
% Diff from National Median Source EUI	19%
Annual Emissions	
Greenhouse Gas Emissions (Metric Tons CO2e/year)	62

Building Name	ENERGY STAR® Score
Borough Hall	N/A
Fire Department	N/A
Service Operations Facility	N/A
Cedar Ave. Pump Station	N/A
Lake St. Pump Station	N/A
Community Center	N/A
Log Cabin	N/A

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.

BPU New Jersey's cleanenergy program™

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_2e Emissions Reduction (lbs)
Lighting Upgrades	16,292	5.3	-2.9	$2,348	$11,006	$976	$10,030	4.3	16,066
Install LED Fixtures	2,593	0.4	0.0	$408	$7,692	$800	$6,892	16.9	2,611
Retrofit Fixtures with LED Lamps	13,699	4.9	-2.9	$1,940	$3,314	$176	$3,138	1.6	13,455
Lighting Control Measures	13,796	3.1	-2.9	$2,110	$14,644	$1,430	$13,214	6.3	13,548
Install Occupancy Sensor Lighting Controls	12,377	3.0	-2.6	$1,907	$13,396	$1,430	$11,966	6.3	12,155
Install High/Low Lighting Controls	1,418	0.1	-0.3	$203	$1,248	$0	$1,248	6.2	1,393
Variable Frequency Drive (VFD) Measures	16,528	5.7	0.0	$2,616	$30,607	$1,240	$29,367	11.2	16,644
Install VFDs on Constant Volume (CV) Fans	13,486	4.6	0.0	$2,175	$18,065	$1,240	$16,825	7.7	13,580
Install VFDs on Chilled Water Pumps	1,516	0.8	0.0	$220	$6,522	$0	$6,522	29.7	1,526
Install VFDs on Heating Water Pumps	1,527	0.3	0.0	$221	$6,020	$0	$6,020	27.2	1,537
Electric Unitary HVAC Measures	646	0.8	0.0	$95	$2,635	$0	$2,635	27.8	651
Install High Efficiency Air Conditioning Units	646	0.8	0.0	$95	$2,635	$0	$2,635	27.8	651
Electric Chiller Replacement	11,224	10.2	0.0	$1,627	$41,252	$2,700	$38,552	23.7	11,302
Install High Efficiency Chillers	11,224	10.2	0.0	$1,627	$41,252	$2,700	$38,552	23.7	11,302
Domestic Water Heating Upgrade	1,668	0.0	9.5	$342	$115	$0	$115	0.3	2,791
Install Low-Flow DHW Devices	1,668	0.0	9.5	$342	$115	$0	$115	0.3	2,791
Plug Load Equipment Control - Vending Machine	3,224	0.4	0.0	$473	$460	$100	$360	0.8	3,246
Vending Machine Control	3,224	0.4	0.0	$473	$460	$100	$360	0.8	3,246
TOTALS	63,378	25.5	3.6	$9,610	$100,719	$6,446	$94,273	9.8	64,248

* - 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

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_2e Emissions Reduction (lbs)
Lighting Upgrades		14,023	4.9	-2.9	$2,021	$4,244	$276	$3,968	2.0	13,781
ECM 1	Install LED Fixtures	324	0.0	0.0	$81	$931	$100	$831	10.2	326
ECM 2	Retrofit Fixtures with LED Lamps	13,699	4.9	-2.9	$1,940	$3,314	$176	$3,138	1.6	13,455
Lighting Control Measures		13,768	3.1	-2.9	$2,106	$14,419	$1,430	$12,989	6.2	13,521
ECM 3	Install Occupancy Sensor Lighting Controls	12,377	3.0	-2.6	$1,907	$13,396	$1,430	$11,966	6.3	12,155
ECM 4	Install High/Low Lighting Controls	1,390	0.1	-0.3	$199	$1,023	$0	$1,023	5.2	1,366
Variable Frequency Drive (VFD) Measures		13,486	4.6	0.0	$2,175	$18,065	$1,240	$16,825	7.7	13,580
ECM 5	Install VFDs on Constant Volume (CV) Fans	13,486	4.6	0.0	$2,175	$18,065	$1,240	$16,825	7.7	13,580
Domestic Water Heating Upgrade		1,668	0.0	9.5	$342	$115	$0	$115	0.3	2,791
ECM 6	Install Low-Flow DHW Devices	1,668	0.0	9.5	$342	$115	$0	$115	0.3	2,791
Plug Load Equipment Control - Vending Machine		3,224	0.4	0.0	$473	$460	$100	$360	0.8	3,246
ECM 7	Vending Machine Control	3,224	0.4	0.0	$473	$460	$100	$360	0.8	3,246
TOTALS		46,169	13.0	3.7	$7,116	$37,303	$3,046	$34,257	4.8	46,919

* - 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).

BOROUGH HALL

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**5,308**	**2.0**	**-1**	**$758**	**$1,721**	**$78**	**$1,643**	**2.2**	**5,215**
ECM 1	Retrofit Fixtures with LED Lamps	Yes	5,308	2.0	-1	$758	$1,721	$78	$1,643	2.2	5,215
Lighting Control Measures			**4,899**	**1.0**	**-1**	**$700**	**$5,077**	**$415**	**$4,662**	**6.7**	**4,812**
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	3,509	0.9	-1	$501	$4,054	$415	$3,639	7.3	3,446
ECM 3	Install High/Low Lighting Controls	Yes	1,390	0.1	0	$199	$1,023	$0	$1,023	5.2	1,366
Variable Frequency Drive (VFD) Measures			**10,359**	**4.1**	**0**	**$1,502**	**$20,695**	**$800**	**$19,895**	**13.2**	**10,431**
ECM 4	Install VFDs on Constant Volume (CV) Fans	Yes	7,317	3.0	0	$1,061	$8,152	$800	$7,352	6.9	7,368
ECM 5	Install VFDs on Chilled Water Pumps	No	1,516	0.8	0	$220	$6,522	$0	$6,522	29.7	1,526
ECM 6	Install VFDs on Heating Water Pumps	No	1,527	0.3	0	$221	$6,020	$0	$6,020	27.2	1,537
Electric Chiller Replacement			**11,224**	**10.2**	**0**	**$1,627**	**$41,252**	**$2,700**	**$38,552**	**23.7**	**11,302**
ECM 7	Install High Efficiency Chillers	No	11,224	10.2	0	$1,627	$41,252	$2,700	$38,552	23.7	11,302
Domestic Water Heating Upgrade			**0**	**0.0**	**9**	**$88**	**$65**	**$0**	**$65**	**0.7**	**1,000**
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	9	$88	$65	$0	$65	0.7	1,000
TOTALS (COST EFFECTIVE MEASURES)			**17,524**	**5.9**	**6**	**$2,606**	**$15,015**	**$1,293**	**$13,722**	**5.3**	**18,394**
TOTALS (ALL MEASURES)			**31,790**	**17.2**	**6**	**$4,674**	**$68,809**	**$3,993**	**$64,816**	**13.9**	**32,760**

* - 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).

FIRE DEPARTMENT

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**6,485**	**2.6**	**-1**	**$940**	**$5,863**	**$547**	**$5,316**	**5.7**	**6,409**
ECM 1	Install LED Fixtures	No	1,621	0.2	0	$238	$4,830	$500	$4,330	18.2	1,632
ECM 2	Retrofit Fixtures with LED Lamps	Yes	4,864	2.3	-1	$703	$1,033	$47	$986	1.4	4,777
Lighting Control Measures			**2,720**	**0.8**	**-1**	**$393**	**$4,007**	**$485**	**$3,522**	**9.0**	**2,671**
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	2,692	0.8	-1	$389	$3,782	$485	$3,297	8.5	2,644
ECM 4	Install High/Low Lighting Controls	No	28	0.0	0	$4	$225	$0	$225	55.9	27
Electric Unitary HVAC Measures			**646**	**0.8**	**0**	**$95**	**$2,635**	**$0**	**$2,635**	**27.8**	**651**
ECM 5	Install High Efficiency Air Conditioning Units	No	646	0.8	0	$95	$2,635	$0	$2,635	27.8	651
Domestic Water Heating Upgrade			**1,668**	**0.0**	**0**	**$245**	**$43**	**$0**	**$43**	**0.2**	**1,680**
ECM 6	Install Low-Flow DHW Devices	Yes	1,668	0.0	0	$245	$43	$0	$43	0.2	1,680
Food Service & Refrigeration Measures			**3,224**	**0.4**	**0**	**$473**	**$460**	**$100**	**$360**	**0.8**	**3,246**
ECM 7	Vending Machine Control	Yes	3,224	0.4	0	$473	$460	$100	$360	0.8	3,246
TOTALS (COST EFFECTIVE MEASURES)			**12,448**	**3.5**	**-2**	**$1,809**	**$5,318**	**$632**	**$4,686**	**2.6**	**12,347**
TOTALS (ALL MEASURES)			**14,743**	**4.5**	**-2**	**$2,145**	**$13,008**	**$1,132**	**$11,876**	**5.5**	**14,657**

* - 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).

SERVICE OPERATIONS FACILITY

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**2,390**	**0.5**	**-1**	**$302**	**$197**	**$11**	**$186**	**0.6**	**2,348**
ECM 1	Retrofit Fixtures with LED Lamps	Yes	2,390	0.5	-1	$302	$197	$11	$186	0.6	2,348
Lighting Control Measures			**3,815**	**0.7**	**-1**	**$482**	**$2,896**	**$315**	**$2,581**	**5.4**	**3,746**
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	3,815	0.7	-1	$482	$2,896	$315	$2,581	5.4	3,746
Variable Frequency Drive (VFD) Measures			**2,803**	**0.6**	**0**	**$360**	**$3,261**	**$160**	**$3,101**	**8.6**	**2,822**
ECM 3	Install VFDs on Constant Volume (CV) Fans	Yes	2,803	0.6	0	$360	$3,261	$160	$3,101	8.6	2,822
Domestic Water Heating Upgrade			**0**	**0.0**	**1**	**$10**	**$7**	**$0**	**$7**	**0.8**	**111**
ECM 4	Install Low-Flow DHW Devices	Yes	0	0.0	1	$10	$7	$0	$7	0.8	111
TOTALS (COST EFFECTIVE MEASURES)			**9,008**	**1.8**	**0**	**$1,154**	**$6,362**	**$486**	**$5,876**	**5.1**	**9,028**
TOTALS (ALL MEASURES)			**9,008**	**1.8**	**0**	**$1,154**	**$6,362**	**$486**	**$5,876**	**5.1**	**9,028**

* - 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).

CEDAR AVENUE PUMP STATION

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**324**	**0.0**	**0**	**$81**	**$931**	**$100**	**$831**	**10.2**	**326**
ECM 1	Install LED Fixtures	Yes	324	0.0	0	$81	$931	$100	$831	10.2	326
TOTALS (COST EFFECTIVE MEASURES)			**324**	**0.0**	**0**	**$81**	**$931**	**$100**	**$831**	**10.2**	**326**
TOTALS (ALL MEASURES)			**324**	**0.0**	**0**	**$81**	**$931**	**$100**	**$831**	**10.2**	**326**

* - 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).

LAKE STREET PUMP STATION

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**1,513**	**0.2**	**0**	**$206**	**$2,041**	**$230**	**$1,811**	**8.8**	**1,500**
ECM 1	Install LED Fixtures	No	648	0.1	0	$89	$1,932	$200	$1,732	19.5	653
ECM 2	Retrofit Fixtures with LED Lamps	Yes	865	0.1	0	$117	$110	$30	$80	0.7	848
Lighting Control Measures			**236**	**0.0**	**0**	**$32**	**$270**	**$35**	**$235**	**7.4**	**231**
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	236	0.0	0	$32	$270	$35	$235	7.4	231
TOTALS (COST EFFECTIVE MEASURES)			**1,100**	**0.1**	**0**	**$148**	**$380**	**$65**	**$315**	**2.1**	**1,079**
TOTALS (ALL MEASURES)			**1,749**	**0.2**	**0**	**$237**	**$2,311**	**$265**	**$2,046**	**8.6**	**1,731**

* - 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).

COMMUNITY CENTER

#	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_2e Emissions Reduction (lbs)
Lighting Upgrades			**272**	**0.1**	**0**	**$60**	**$252**	**$10**	**$242**	**4.0**	**267**
ECM 1	Retrofit Fixtures with LED Lamps	Yes	272	0.1	0	$60	$252	$10	$242	4.0	267
Lighting Control Measures			**1,772**	**0.4**	**0**	**$394**	**$2,124**	**$145**	**$1,979**	**5.0**	**1,741**
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	1,772	0.4	0	$394	$2,124	$145	$1,979	5.0	1,741
Variable Frequency Drive (VFD) Measures			**3,366**	**1.0**	**0**	**$754**	**$6,652**	**$280**	**$6,372**	**8.4**	**3,390**
ECM 3	Install VFDs on Constant Volume (CV) Fans	Yes	3,366	1.0	0	$754	$6,652	$280	$6,372	8.4	3,390
TOTALS (COST EFFECTIVE MEASURES)			**5,410**	**1.6**	**0**	**$1,208**	**$9,028**	**$435**	**$8,593**	**7.1**	**5,398**
TOTALS (ALL MEASURES)			**5,410**	**1.6**	**0**	**$1,208**	**$9,028**	**$435**	**$8,593**	**7.1**	**5,398**

* - 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).

LOG CABIN

#	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_2e Emissions Reduction (lbs)
Lighting Control Measures			**353**	**0.1**	**0**	**$109**	**$270**	**$35**	**$235**	**2.1**	**347**
ECM 1	Install Occupancy Sensor Lighting Controls	Yes	353	0.1	0	$109	$270	$35	$235	2.1	347
TOTALS (COST EFFECTIVE MEASURES)			**353**	**0.1**	**0**	**$109**	**$270**	**$35**	**$235**	**2.1**	**347**
TOTALS (ALL MEASURES)			**353**	**0.1**	**0**	**$109**	**$270**	**$35**	**$235**	**2.1**	**347**

* - 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).

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**

New Jersey's cleanenergy program™

Recommended NJCEP Incentives per Building

Haddon Heights	Direct Install	SmartStart	CTEEP
Borough Hall	X	X	X
Fire Department	X	X	X
Service Operations Facility	X	X	X
Cedar Ave. Pump Station	X	X	X
Lake St. Pump Station	X	X	X
Community Center	X	X	X
Log Cabin	X	X	X

* Some sites with only lighting upgrades will need further assessment for DI eligibility. They are eligible for a full free assessment with the DI Participating Contractor to submit the waiver or to identify other measure/s to enable participation

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

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 *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

BPU | New Jersey's cleanenergy program™

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

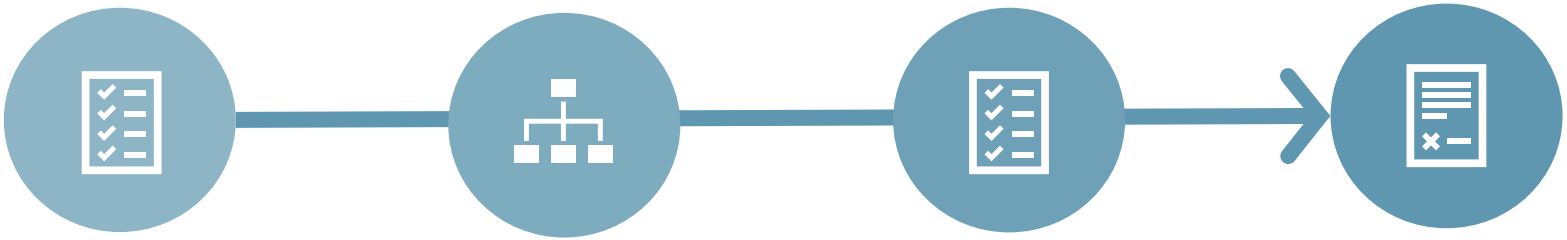
New Jersey's cleanenergy program™

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



Initial Energy Audit

Includes LGEA

Select Path

ESCO (requires RFP)
Hybrid
DIY

Investment Grade Energy Audit

Energy Savings Plan Developed & Approved

Plan includes use of incentives through New Jersey's Clean Energy Program

Energy Savings Improvement Program (ESIP)

FOR MORE INFORMATION

Michelle Rossi

ESIP Coordinator

Office: 609-633-9641

ESIP@bpu.nj.gov

BPU New Jersey's cleanenergy program™

For More Information

Visit NJCleanEnergy.com

Call (732) 855-0033

Amanda Newman

Regional Outreach Manager

732-425-5152

anewman@trccompanies.com

BPU | New Jersey's cleanenergy program™

For More Information

Visit NJCleanEnergy.com

Call (732) 855-0033

Gary Finger
Regional Outreach Manager
856.780.8553
gfinger@trccompanies.com

BPU | New Jersey's cleanenergy program™

QUESTIONS

?