New Jersey's Clean Energy Program

LGEA Exit Meeting for:

Bogota Board of Education

September 9th, 2019





INTRODUCTIONS

Bogota Board of Education

- Damian Kennedy Superintendent
- Irfan Evcil Business Administrator
- Frank Messineo Principal, Solutions Architecture
- NJ Clean Energy Program
 - Aimee Lalonde TRC Program Manager
 - Yagna Otia TRC Auditor
 - Amanda Muench TRC Account Manager
 - Mike Mandzik TRC Outreach Manager



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 Bogota 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:

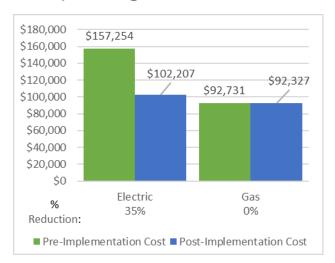
- Lighting System
- HVAC and Mechanical Systems
- Plug Load Equipment
- Kitchen Equipment

Utility Consumption:

- Electric Consumption and Costs
- Natural Gas Consumption and Costs

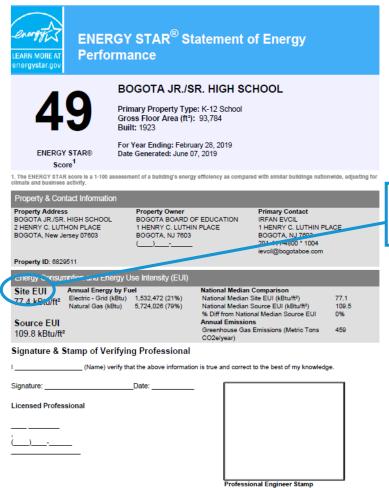
Sites Visited/Analyzed

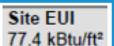
- Bogota Board Offices
- Bogota Jr. and Sr. HS
- E. Roy Bixby Elementary School
- Lillian M Steen Elementary School
- Joseph Fiegel Field





BENCHMARKING





Building Name	ENERGY STAR® Score
Bogota Board Offices	58
Bogota Jr. & Sr. High School	49
E. Roy Bixby Elementary School	34
Lillian M. Steen Elementary School	21
Joseph Fiegel Field	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.



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	259,387	74.2	-53.3	\$34,417	\$123,679	\$25,109	\$98,570	2.9	254,965
Install LED Fixtures	38,359	8.6	-7.3	\$4,950	\$20,427	\$1,160	\$19,267	3.9	37,773
Retrofit Fluorescent Fixtures with LED Lamps and Drivers	621	0.2	-0.1	\$80	\$271	\$36	\$235	3.0	610
Retrofit Fixtures with LED Lamps	220,407	65.5	-45.8	\$29,387	\$102,980	\$23,913	\$79,067	2.7	216,582
Lighting Control Measures	46,679	11.7	-9.8	\$6,047	\$53,259	\$4,785	\$48,474	8.0	45,862
Install Occupancy Sensor Lighting Controls	38,264	9.5	-8.0	\$4,914	\$37,734	\$4,785	\$32,949	6.7	37,595
Install High/Low Lighting Controls	8,414	2.2	-1.8	\$1,133	\$15,525	\$0	\$15,525	13.7	8,267
Variable Frequency Drive (VFD) Measures	84,999	13.3	0.0	\$11,848	\$50,249	\$1,280	\$48,969	4.1	85,593
Install VFDs on Constant Volume (CV) Fans	6,864	4.6	0.0	\$956	\$15,920	\$1,280	\$14,640	15.3	6,912
Install VFDs on Heating Water Pumps	78,135	8.7	0.0	\$10,891	\$34,328	\$0	\$34,328	3.2	78,681
Gas Heating (HVAC/Process) Replacement	0	0.0	355.4	\$3,075	\$140,229	\$8,329	\$131,900	42.9	41,611
Install High Efficiency Steam Boilers	0	0.0	355.4	\$3,075	\$140,229	\$8,329	\$131,900	42.9	41,611
Domestic Water Heating Upgrade	15,891	0.0	142.8	\$3,488	\$34,456	\$1,173	\$33,283	9.5	32,718
Install High Efficiency Gas-Fired Water Heater	0	0.0	34.6	\$299	\$33,574	\$1,173	\$32,401	108.3	4,050
Install Low-Flow DHW Devices	15,891	0.0	108.2	\$3,188	\$882	\$0	\$882	0.3	28,668
Plug Load Equipment Control - Vending Machine	3,224	0.4	0.0	\$409	\$460	\$100	\$360	0.9	3,246
Vending Machine Control	3,224	0.4	0.0	\$409	\$460	\$100	\$360	0.9	3,246
TOTALS	410,179	99.6	435.1	\$59,283	\$402,331	\$40,776	\$361,555	6.1	463,996

^{* -} 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 ₂ e Emissions Reduction (lbs)
Lighting Upgrades	259,387	74.2	-53.3	\$34,417	\$123,679	\$25,109	\$98,570	2.9	254,965
ECM 1 Install LED Fix tures	38,359	8.6	-7.3	\$4,950	\$20,427	\$1,160	\$19,267	3.9	37,773
ECM 2 Retrofit Fluorescent Fixtures with LED Lamps and Drivers	621	0.2	-0.1	\$80	\$271	\$36	\$235	3.0	610
ECM 3 Retrofit Fixtures with LED Lamps	220,407	65.5	-45.8	\$29,387	\$102,980	\$23,913	\$79,067	2.7	216,582
Lighting Control Measures	43,852	11.1	-9.2	\$5,693	\$46,059	\$4,785	\$41,274	7.2	43,085
ECM 4 Install Occupancy Sensor Lighting Controls	38,264	9.5	-8.0	\$4,914	\$37,734	\$4,785	\$32,949	6.7	37,595
ECM 5 Install High/Low Lighting Controls	5,588	1.6	-1.2	\$780	\$8,325	\$0	\$8,325	10.7	5,490
Variable Frequency Drive (VFD) Measures	78,135	8.7	0.0	\$10,891	\$34,328	\$ 0	\$34,328	3.2	78,681
ECM 6 Install VFDs on Heating Water Pumps	78,135	8.7	0.0	\$10,891	\$34,328	\$0	\$34,328	3.2	78,681
Domestic Water Heating Upgrade	15,891	0.0	108.2	\$3,188	\$882	\$ 0	\$882	0.3	28,668
ECM 7 Install Low-Flow DHW Devices	15,891	0.0	108.2	\$3,188	\$882	\$0	\$882	0.3	28,668
Plug Load Equipment Control - Vending Machine	3,224	0.4	0.0	\$409	\$460	\$100	\$360	0.9	3,246
ECM 8 Vending Machine Control	3,224	0.4	0.0	\$409	\$460	\$100	\$360	0.9	3,246
TOTALS	400,488	94.3	45.8	\$54,599	\$205,408	\$29,994	\$175,414	3.2	408,645

^{* -} 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).

BOGOTA BOARD OFFICES

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO₂e Emissions Reduction (lbs)
Lighting Up	pgrades		4,056	1.6	-1	\$924	\$4,596	\$765	\$3,831	4.1	4,014
ECM 1	Install LED Fixtures	Yes	1,177	0.2	0	\$270	\$2,898	\$300	\$2,598	9.6	1,186
ECM 2	Retrofit Fixtures with LED Lamps	Yes	2,879	1.5	-1	\$654	\$1,698	\$465	\$1,233	1.9	2,829
Lighting (Control Measures		370	0.2	0	\$84	\$573	\$60	\$513	6.1	364
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	247	0.1	0	\$56	\$348	\$60	\$288	5.1	243
ECM 4	Install High/Low Lighting Controls	Yes	123	0.1	0	\$28	\$225	\$0	\$225	8.0	121
Domestic	c Water Heating Upgrade		417	0.0	0	\$96	\$14	\$0	\$14	0.1	420
ECM 5	Install Low-Flow DHW Devices	Yes	417	0.0	0	\$96	\$14	\$0	\$14	0.1	420
	TOTALS (COST EFFECTIVE MEASURES)		4,844	1.8	-1	\$1,104	\$5,183	\$825	\$4,358	3.9	4,798
	TOTALS (ALL MEASURES)		4,844	1.8	-1	\$1,104	\$5,183	\$825	\$4,358	3.9	4,798



BOGOTA JR. & SR. HS

<u> </u>											
#	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 (lbs)
Lighting Upgrades			149,980	35.0	-31	\$18,744	\$52,088	\$9,759	\$42,329	2.3	147,357
ECM 1	Install LED Fixtures	Yes	34,876	8.1	-7	\$4,359	\$13,666	\$460	\$13,206	3.0	34,266
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	466	0.1	0	\$58	\$202	\$26	\$176	3.0	458
ECM 3	Retrofit Fixtures with LED Lamps	Yes	114,638	26.7	-24	\$14,327	\$38,220	\$9,273	\$28,947	2.0	112,633
Lighting Control Measures		32,883	7.7	-7	\$4,110	\$36,638	\$3,755	\$32,883	8.0	32,308	
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	30,056	7.0	-6	\$3,756	\$29,438	\$3,755	\$25,683	6.8	29,530
ECM 5	Install High/Low Lighting Controls	No	2,827	0.7	-1	\$353	\$7,200	\$0	\$7,200	20.4	2,777
Gas Heati	cing (HVAC/Process) Replacement		0	0.0	355	\$3,075	\$140,229	\$8,329	\$131,900	42.9	41,611
ECM 6	Install High Efficiency Steam Boilers	No	0	0.0	355	\$3,075	\$140,229	\$8,329	\$131,900	42.9	41,611
Domestic	c Water Heating Upgrade		0	0.0	143	\$1,235	\$33,846	\$1,173	\$32,674	26.4	16,716
ECM 7	Install High Efficiency Gas-Fired Water Heater	No	0	0.0	35	\$299	\$33,574	\$1,173	\$32,401	108.3	4,050
ECM 8	Install Low-Flow DHW Devices	Yes	0	0.0	108	\$936	\$272	\$0	\$272	0.3	12,666
Food Serv	vice & Refrigeration Measures		3,224	0.4	0	\$409	\$460	\$100	\$360	0.9	3,246
ECM 9	Vending Machine Control	Yes	3,224	0.4	0	\$409	\$460	\$100	\$360	0.9	3,246
	TOTALS (COST EFFECTIVE MEASURES)		183,259	42.3	71	\$23,845	\$82,258	\$13,614	\$68,644	2.9	192,800
	TOTALS (ALL MEASURES)			43.0	460	\$27,573	\$263,261	\$23,116	\$240,145	8.7	241,238



E. ROY BIXBY 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)**	CO₂e Emissions Reduction (lbs)
Lighting Upgrades			56,525	18.5	-11	\$7,782	\$32,855	\$6,858	\$25,997	3.3	55,606
ECM 1	Install LED Fixtures	Yes	2,306	0.3	0	\$322	\$3,864	\$400	\$3,464	10.8	2,322
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	154	0.0	0	\$21	\$69	\$10	\$59	2.8	152
ECM 3	Retrofit Fixtures with LED Lamps	Yes	54,065	18.1	-11	\$7,439	\$28,922	\$6,448	\$22,474	3.0	53,133
Lighting Control Measures		7,209	2.0	-2	\$992	\$11,437	\$685	\$10,752	10.8	7,083	
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	3,146	0.9	-1	\$433	\$5,362	\$685	\$4,677	10.8	3,091
ECM 5	Install High/Low Lighting Controls	Yes	4,062	1.1	-1	\$559	\$6,075	\$0	\$6,075	10.9	3,991
Variable	Frequency Drive (VFD) Measures		34,822	4.5	0	\$4,857	\$17,164	\$0	\$17,164	3.5	35,066
ECM 6	Install VFDs on Heating Water Pumps	Yes	34,822	4.5	0	\$4,857	\$17,164	\$0	\$17,164	3.5	35,066
Domestic	: Water Heating Upgrade		5,390	0.0	0	\$752	\$301	\$0	\$301	0.4	5,427
ECM 7	Install Low-Flow DHW Devices	Yes	5,390	0.0	0	\$752	\$301	\$0	\$301	0.4	5,427
	TOTALS (COST EFFECTIVE MEASURES)		103,945	24.9	-13	\$14,383	\$61,757	\$7,543	\$54,214	3.8	103,182
	TOTALS (ALL MEASURES)			24.9	-13	\$14,383	\$61,757	\$7,543	\$54,214	3.8	103,182



LILLIAN M. STEEN SCHOOL

#	Energy Conservation Measure	Cost effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting U	Jpgrades		45,462	17.9	\$6,251	\$32,604	\$7,350	\$25,254	4.0	44,679
ECM 1	Retrofit Fixtures with LED Lamps	Yes	45,462	17.9	\$6,251	\$32,604	\$7,350	\$25,254	4.0	44,679
Lighting	Control Measures		6,132	1.9	\$843	\$4,495	\$265	\$4,230	5.0	6,025
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	4,731	1.5	\$650	\$2,470	\$265	\$2,205	3.4	4,648
ECM 3	Install High/Low Lighting Controls	Yes	1,402	0.4	\$193	\$2,025	\$0	\$2,025	10.5	1,377
Motor U	pgrades		0	0.0	\$0	\$0	\$0	\$0	0.0	0
ECM 0	Premium Efficiency Motors	Yes	0	0.0	\$0	\$0	\$0	\$0	0.0	0
Variable	Frequency Drive (VFD) Measures		50,176	8.8	\$6,991	\$33,085	\$1,280	\$31,805	4.5	50,527
ECM 4	Install VFDs on Constant Volume (CV) Fans	No	6,864	4.6	\$956	\$15,920	\$1,280	\$14,640	15.3	6,912
ECM 5	Install VFDs on Heating Water Pumps	Yes	43,312	4.2	\$6,034	\$17,164	\$0	\$17,164	2.8	43,615
Domesti	c Water Heating Upgrade		10,084	0.0	\$1,405	\$294	\$0	\$294	0.2	10,155
ECM 6	Install Low-Flow DHW Devices	Yes	10,084	0.0	\$1,405	\$294	\$0	\$294	0.2	10,155
	TOTALS (COST EFFECTIVE MEASURES)		104,991	24.0	\$14,534	\$54,557	\$7,615	\$46,942	3.2	104,474
	TOTALS (ALL MEASURES)		111,855	28.6	\$15,490	\$70,477	\$8,895	\$61,582	4.0	111,386



JOSEPH FIEGEL FIELD

Energy Conservation Measure	Cost effective?			Savings	Annual Energy Cost Savings (\$)		d	Net Cost	Period	CO₂e Emissions Reduction (lbs)
Upgrades		3,363	1.3	-1	\$716	\$1,537	\$377	\$1,160	1.6	3,308
Retrofit Fixtures with LED Lamps	Yes	3,363	1.3	-1	\$716	\$1,537	\$377	\$1,160	1.6	3,308
Control Measures		85	0.0	0	\$18	\$116	\$20	\$96	5.3	83
Install Occupancy Sensor Lighting Controls	Yes	85	0.0	0	\$18	\$116	\$20	\$96	5.3	83
TOTALS (COST EFFECTIVE MEASURES)		3,448	1.3	-1	\$734	\$1,653	\$397	\$1,256	1.7	3,392
TOTALS (ALL MEASURES)		3,448	1.3	-1	\$734	\$1,653	\$397	\$1,256	1.7	3,392
	Upgrades Retrofit Fixtures with LED Lamps Control Measures Install Occupancy Sensor Lighting Controls TOTALS (COST EFFECTIVE MEASURES)	Upgrades Retrofit Fixtures with LED Lamps Control Measures Install Occupancy Sensor Lighting Controls Yes TOTALS (COST EFFECTIVE MEASURES)	Energy Conservation Measure Cost effective? Electric Savings (kWh) Upgrades 3,363 Retrofit Fixtures with LED Lamps Yes 3,363 Control Measures 85 Install Occupancy Sensor Lighting Controls Yes 85 TOTALS (COST EFFECTIVE MEASURES) 3,448	Energy Conservation MeasureCost effective?Electric Savings (kWh)Demand Savings (kWh)Upgrades3,3631.3Retrofit Fixtures with LED LampsYes3,3631.3Control Measures850.0Install Occupancy Sensor Lighting ControlsYes850.0TOTALS (COST EFFECTIVE MEASURES)3,4481.3	Energy Conservation Measure Cost effective? Upgrades 3,363 1.3 -1 Retrofit Fixtures with LED Lamps Yes 3,363 1.3 -1 Control Measures 85 0.0 0 Install Occupancy Sensor Lighting Controls Yes 3,448 1.3 -1	Energy Conservation Measure Cost effective? Savings (kWh) Cost effective? Savings (kWh) Cost Savings (s) Fuel Savings (MMBtu Savings (s)) Foot Savings (s) Cost Savings (s) Fuel Savings (s) Savings (s) Fuel Savings (s) Cost Savings (s) Fuel Savings (s) Foot Savings (s) Cost Savings (s) Fuel S	Energy Conservation Measure Cost effective? Electric Savings (kWh) Upgrades 3,363 1.3 -1 \$716 \$1,537 Energy Cost Savings (\$) Cost effective? Savings (\$) Savings (Cost effective Cost effective Cost effective Cost effective Cost effective Cost savings (kWh) Cost Cost Cost savings (kWh) Cost Cost	Cost effective Cost effetive Cost effective Cost effective Cost effetive Cost e	Cost effective Cost effective Cost effective Cost effective Cost (\$) Cost (\$



Solar Energy Generation Potential

	Jr. & Sr. HS	Bixby ES	Lillian Steen School
Potential:	HIGH	HIGH	HIGH
System Potential: (kW)	120	92	102
Electric Generation: (kWh per year)	142,965	109,606	121,520
Displaced Cost: (per year)	\$18,130	\$15,290	\$16,930

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

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

OTHER PROGRAMS



Renewable Energy Generation:

- SREC Registration Program (SRP)
- Community Solar

RECOMMENDED NJCEP INCENTIVES PER BUILDING

Bogota Board of Education	Direct Install	SmartStart	СТЕЕР
Bogota Board Offices	Х	Х	Х
Bogota Jr. & Sr. High School	Х	Х	Х
E. Roy Bixby Elementary School	Х	Х	Х
Lillian M. Steen Elementary School	Х	Х	Х
Joseph Fiegel Field	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 (\$250K UEZ/OZ/MUNI/K-12 Public Schools), or
- \$4 MM ESIP



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



DIRECT INSTALL: FINANCING OPTION

- Eligible NJNG customers can <u>finance</u>
 the remaining 30 percent balance at
 O% APR through the "SAVEGREEN
 Project® On-Bill Repayment Program"
 (OBRP) for 36 months.
- For measures that may not qualify for Direct Install, NJNG also offers financing options for SmartStart that will cover up to \$130,000 per year.



Questions? Contact:

Jerry Ryan

Energy Efficiency Ops. Manager New Jersey Natural Gas 732-433-4362 (cell) 732 378 4920 (office) jryan@njng.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



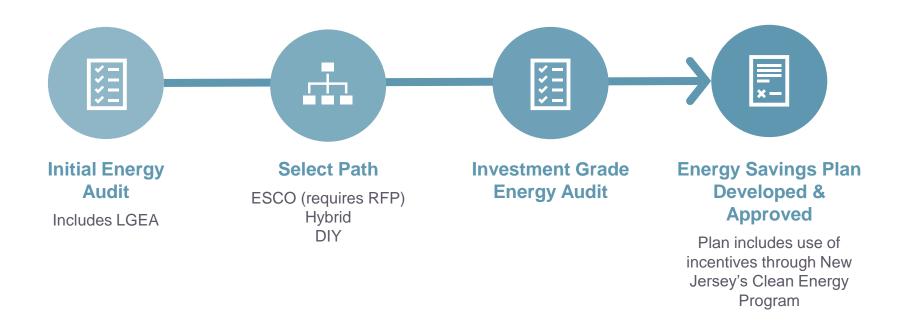
FINANCING MECHANISM: ESIP

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





ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

FOR MORE INFORMATION

Michelle Rossi

ESIP Coordinator

Office: 609-633-9641

ESIP@bpu.nj.gov



FOR MORE INFORMATION

Visit NJCleanEnergy.com
Call (732) 855-0033

Mike Mandzik

Regional Outreach Manager 732.570.7534 mmandzik@trccompanies.com



QUESTIONS



