

New Jersey's Clean Energy Program

LGEA Exit Meeting for:

Jersey City MUA

TRC Energy Services

June 11, 2019

Introductions



Jersey City MUA

- Edward Conti Director of Compliance
- John Folk Director of Finance
- Elmer Andal Director of Operations

NJ Clean Energy Program

- Brian DeLuca, CEM TRC Program Manager
- Sarah Walters TRC Account Manager
- Mike Mandzik TRC Outreach Manager
- Mike Thulen ESIP Coordinator
- Arif Welcher BPU Ombudsman
- Ken Sheenan BPU Ombudsman

Agenda



- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified
- Questions or concerns regarding the draft audit report
- Overview of NJCEP equipment incentives
- Next steps for Jersey City MUA

LGEA Process



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





Overview of Systems, Baseline & Existing Conditions:

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

Utility Consumption:

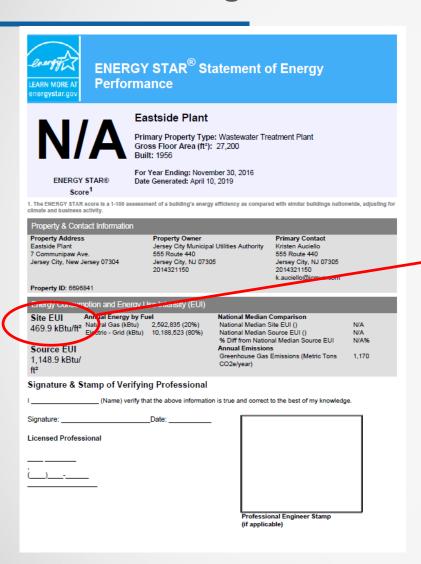
- Electric Consumption and Costs
- Natural Gas Consumption and Costs

Sites Visited/Analyzed

- Eastside Plant
- Westside Plant
- Troy St. Pump Station
- Split Rock Gate House
- Dam Office & Gatehouse
- Greenbank Road Plant

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.

Site EUI 469.9 kBtu/ft²

While your facilities don't qualify for an ENERGY STAR® score, you can still track energy consumption using the Energy Use Intensity (EUI).

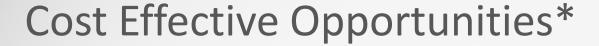
All Opportunities



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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 (lbs)
Lighting Upgrades	529,366	128.9	-86.0	\$56,928.65	\$308,691.23	\$47,864.00	\$260,827.23	4.6	522,999
Install LED Fixtures	306,792	75.0	-39.1	\$34,171.30	\$245,693.87	\$36,230.00	\$209,463.87	6.1	304,356
Retrofit Fluorescent Fixtures with LED Lamps and Drivers	91,512	26.3	-19.5	\$10,371.91	\$35,534.53	\$5,483.00	\$30,051.53	2.9	89,870
Retrofit Fixtures with LED Lamps	130,607	27.6	-27.3	\$12,331.82	\$27,318.00	\$6,151.00	\$21,167.00	1.7	128,327
Install LED Exit Signs	454	0.0	-0.1	\$53.62	\$144.83	\$0.00	\$144.83	2.7	446
Lighting Control Measures	69,556	15.0	-14.8	\$6,972.29	\$70,212.00	\$8,755.00	\$61,457.00	8.8	68,308
Install Occupancy Sensor Lighting Controls	68,028	14.6	-14.5	\$6,809.75	\$68,002.00	\$8,470.00	\$59,532.00	8.7	66,807
Install Daylight Dimming Controls	146	0.0	0.0	\$15.85	\$500.00	\$180.00	\$320.00	20.2	143
Install High/Low Lighting Controls	1,382	0.4	-0.3	\$146.69	\$1,710.00	\$105.00	\$1,605.00	10.9	1,357
Variable Frequency Drive (VFD) Measures	29,878	9.2	0.0	\$2,801.11	\$33,523.91	\$1,600.00	\$31,923.91	11.4	30,087
Install VFDs on Constant Volume (CV) Fans	21,757	6.1	0.0	\$2,039.75	\$19,441.57	\$1,600.00	\$17,841.57	8.7	21,909
Install VFDs on Heating Water Pumps	8,121	3.1	0.0	\$761.36	\$14,082.34	\$0.00	\$14,082.34	18.5	8,178
Electric Unitary HVAC Measures	4,155	1.0	0.0	\$498.62	\$16,291.98	\$552.00	\$15,739.98	31.6	4,184
Install High Efficiency Heat Pumps	4,155	1.0	0.0	\$498.62	\$16,291.98	\$552.00	\$15,739.98	31.6	4,184
Electric Chiller Replacement	6,477	5.9	0.0	\$777.29	\$20,201.74	\$800.00	\$19,401.74	25.0	6,522
Install High Efficiency Chillers	6,477	5.9	0.0	\$777.29	\$20,201.74	\$800.00	\$19,401.74	25.0	6,522
Gas Heating (HVAC/Process) Replacement	0	0.0	972.4	\$9,390.65	\$283,408.14	\$7,321.65	\$276,086.49	29.4	113,855
Install High Efficiency Hot Water Boilers	0	0.0	652.3	\$6,825.32	\$148,382.65	\$670.25	\$147,712.40	21.6	76,378
Install High Efficiency Steam Boilers	0	0.0	257.2	\$2,138.58	\$127,095.42	\$6,251.40	\$120,844.02	56.5	30,117
Install High Efficiency Furnaces	0	0.0	62.9	\$426.75	\$7,930.07	\$400.00	\$7,530.07	17.6	7,360
Domestic Water Heating Upgrade	20,786	5.4	-10.7	\$2,270.63	\$4,006.37	\$160.00	\$3,846.37	1.7	19,684
Install High Efficiency Gas-Fired Water Heater	6,067	5.4	-20.7	\$435.90	\$3,855.80	\$160.00	\$3,695.80	8.5	3,686
Install Low-Flow DHW Devices	14,719	0.0	10.0	\$1,834.73	\$150.57	\$0.00	\$150.57	0.1	15,999
Plug Load Equipment Control - Vending Machine	1,612	0.2	0.0	\$193.44	\$230.00	\$50.00	\$180.00	0.9	1,623
Vending Machine Control	1,612	0.2	0.0	\$193.44	\$230.00	\$50.00	\$180.00	0.9	1,623
TOTALS	661,830	165.7	860.9	\$79,832.68	\$736,565.37	\$67,102.65	\$669,462.72	8.4	767,263

^{* -} 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).





* Opportunities considered cost effective have a payback period less than 2/3rds of the useful life of the measure

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 (lbs)
	Lighting Upgrades	529,366	128.9	-86.0	\$56,928.65	\$308,691.23	\$47,864.00	\$260,827.23	4.6	522,999
ECM 1	Install LED Fixtures	306,792	75.0	-39.1	\$34,171.30	\$245,693.87	\$36,230.00	\$209,463.87	6.1	304,356
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	91,512	26.3	-19.5	\$10,371.91	\$35,534.53	\$5,483.00	\$30,051.53	2.9	89,870
ECM 3	Retrofit Fixtures with LED Lamps	130,607	27.6	-27.3	\$12,331.82	\$27,318.00	\$6,151.00	\$21,167.00	1.7	128,327
ECM 4	Install LED Exit Signs	454	0.0	-0.1	\$53.62	\$144.83	\$0.00	\$144.83	2.7	446
	Lighting Control Measures	51,162	9.1	-10.9	\$4,801.68	\$42,982.00	\$5,215.00	\$37,767.00	7.9	50,244
ECM 5	Install Occupancy Sensor Lighting Controls	49,780	8.7	-10.6	\$4,654.99	\$41,272.00	\$5,110.00	\$36,162.00	7.8	48,887
ECM 6	Install High/Low Lighting Controls	1,382	0.4	-0.3	\$146.69	\$1,710.00	\$105.00	\$1,605.00	10.9	1,357
ECM 7	Install VFDs on Constant Volume (CV) Fans	21,757	6.1	0.0	\$2,039.75	\$19,441.57	\$1,600.00	\$17,841.57	8.7	21,909
ECM 8	Install VFDs on Heating Water Pumps	8,121	3.1	0.0	\$761.36	\$14,082.34	\$0.00	\$14,082.34	18.5	8,178
	Gas Heating (HVAC/Process) Replacement	0	0.0	715.2	\$7,252.07	\$156,312.72	\$1,070.25	\$155,242.47	21.4	83,738
ECM 9	Install High Efficiency Hot Water Boilers	0	0.0	652.3	\$6,825.32	\$148,382.65	\$670.25	\$147,712.40	21.6	76,378
ECM 10	Install High Efficiency Furnaces	0	0.0	62.9	\$426.75	\$7,930.07	\$400.00	\$7,530.07	17.6	7,360
	Domestic Water Heating Upgrade	20,786	5.4	-10.7	\$2,270.63	\$4,006.37	\$160.00	\$3,846.37	1.7	19,684
ECM 11	Install High Efficiency Gas-Fired Water Heater	6,067	5.4	-20.7	\$435.90	\$3,855.80	\$160.00	\$3,695.80	8.5	3,686
ECM 12	Install Low-Flow DHW Devices	14,719	0.0	10.0	\$1,834.73	\$150.57	\$0.00	\$150.57	0.1	15,999
	Plug Load Equipment Control - Vending Machine	1,612	0.2	0.0	\$193.44	\$230.00	\$50.00	\$180.00	0.9	1,623
ECM 13	Vending Machine Control	1,612	0.2	0.0	\$193.44	\$230.00	\$50.00	\$180.00	0.9	1,623
	TOTALS	632,804	152.8	607.6	\$74,247.58	\$545,746.23	\$55,959.25	\$489,786.98	6.6	708,376

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Eastside Plant



#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Lifetime Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	121,500	28.4	-21	\$13,227	\$198,411	\$92,768	\$13,997	\$78,771	6.0	119,835
ECM 1	Install LED Fixtures	91,960	22.4	-15	\$10,019	\$150,280	\$85,514	\$12,900	\$72,614	7.2	90,824
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	28,641	5.8	-6	\$3,111	\$46,665	\$7,133	\$1,090	\$6,043	1.9	28,127
ECM 3	Retrofit Fixtures with LED Lamps	899	0.3	0	\$98	\$1,466	\$121	\$7	\$114	1.2	883
Lighting	Control Measures	5,686	1.1	-1	\$618	\$4,941	\$12,880	\$2,000	\$10,880	17.6	5,584
ECM 4	Install Occupancy Sensor Lighting Controls	5,540	1.0	-1	\$602	\$4,814	\$12,380	\$1,820	\$10,560	17.5	5,440
ECM 5	Install Daylight Dimming Controls	1 46	0.0	0	\$16	\$127	\$500	\$180	\$320	20.2	143
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	148	\$1,003	\$20,063	\$47,628	\$2,758	\$44,870	44.7	17,302
ECM 6	Install High Efficiency Steam Boilers	0	0.0	85	\$576	\$11,528	\$39,698	\$2,358	\$37,340	64.8	9,942
ECM 7	Install High Efficiency Furnaces	0	0.0	63	\$427	\$8,535	\$7,930	\$400	\$7,530	17.6	7,360
Domest	ic Water Heating Upgrade	0	0.0	10	\$68	\$682	\$29	\$0	\$29	0.4	1,176
ECM 8	Install Low-Flow DHW Devices	0	0.0	10	\$68	\$682	\$29	\$0	\$29	0.4	1,176
	TOTALS (COST EFFECTIVE MEASURES)	127,040	29.4	50	\$14,324	\$212,442	\$113,106	\$16,217	\$96,889	6.8	133,812
	TOTALS (ALL MEASURES)	127,186	29.5	135	\$14,916	\$224,097	\$153,305	\$18,755	\$134,550	9.0	143,897

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

Westside Plant



#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Lifetime Energy Cost Savings (\$)	Estimated Install Cost (\$)		Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	224,863	66.4	-33	\$26,684	\$400,256	\$127,216	\$21,093	\$106,123	4.0	222,528
ECM 1	Install LED Fixtures	155,141	42.8	-19	\$18,450	\$276,753	\$100,726	\$17,130	\$83,596	4.5	154,049
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	55,818	17.8	-12	\$6,591	\$98,865	\$24,144	\$3,803	\$20,341	3.1	54,816
ECM 3	Retrofit Fixtures with LED Lamps	13,451	5.7	-3	\$1,589	\$23,833	\$2,200	\$160	\$2,040	1.3	13,217
ECM 4	Install LED Exit Signs	454	0.0	0	\$54	\$804	\$145	\$0	\$145	2.7	446
Lighting	Control Measures	19,008	6.1	-4	\$2,245	\$17,956	\$27,765	\$3,465	\$24,300	10.8	18,667
ECM 5	Install Occupancy Sensor Lighting Controls	18,248	5.9	-4	\$2,155	\$17,238	\$26,730	\$3,360	\$23,370	10.8	17,921
	Install High/Low Lighting Controls	760	0.2	0	\$90	\$718	\$1,035	\$105	\$930	10.4	747
Electric	Unitary HVAC Measures	4,155	1.0	0	\$499	\$7,479	\$16,292	\$552	\$15,740	31.6	4,184
ECM 7	Install High Efficiency Heat Pumps	4,155	1.0	0	\$499	\$7,479	\$16,292	\$552	\$15,740	31.6	4,184
Electric (Chiller Replacement	6,477	5.9	0	\$777	\$15,546	\$20,202	\$800	\$19,402	25.0	6,522
ECM 8	Install High Efficiency Chillers	6,477	5.9	0	\$777	\$15,546	\$20,202	\$800	\$19,402	25.0	6,522
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	172	\$1,562	\$31,243	\$87,397	\$3,893	\$83,504	53.5	20,175
ECM 9	Install High Efficiency Steam Boilers	0	0.0	172	\$1,562	\$31,243	\$87,397	\$3,893	\$83,504	53.5	20,175
Domest	ic Water Heating Upgrade	17,416	4.1	-9	\$2,007	\$21,268	\$2,791	\$110	\$2,681	1.3	16,460
ECM 10	Install High Efficiency Gas-Fired Water Heater	2,696	4.1	-9	\$240	\$3,603	\$2,669	\$110	\$2,559	10.7	1,638
ECM 11	Install Low-Flow DHW Devices	14,719	0.0	0	\$1,767	\$17,665	\$122	\$0	\$122	0.1	14,822
Food Se	rvice & Refrigeration Measures	1,612	0.2	0	\$193	\$967	\$230	\$50	\$180	0.9	1,623
ECM 12	Vending Machine Control	1,612	0.2	0	\$193	\$967	\$230	\$50	\$180	0.9	1,623
	TOTALS (COST EFFECTIVE MEASURES)	244,651	70.9	-43	\$28,974	\$423,209	\$131,272	\$21,358	\$109,914	3.8	241,358
	TOTALS (ALL MEASURES)	273,531	83.6	126	\$33,966	\$494,716	\$281,893	\$29,963	\$251,929	7.4	290,160

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#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Lifetime Energy Cost Savings (\$)		Estimated Incentive (\$)*		Simple Payback Period (yrs)**	CO₂e Emissions Reduction (Ibs)
Lighting	Upgrades	21,874	6.1	-2	\$2,212	\$33,180	\$21,564	\$3,020	\$18,544	8.4	21,745
ECM 1	Install LED Fixtures	19,025	4.6	-2	\$1,927	\$28,904	\$19,093	\$2,700	\$16,393	8.5	18,947
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	2,849	1.5	-1	\$285	\$4,276	\$2,471	\$320	\$2,151	7.5	2,798
Lighting	Control Measures	496	0.2	0	\$50	\$397	\$1,080	\$140	\$940	19.0	487
ECM 3	Install Occupancy Sensor Lighting Controls	496	0.2	0	\$50	\$397	\$1,080	\$140	\$940	19.0	487
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	66	\$690	\$13,808	\$8,593	\$670	\$7,922	11.5	7,699
ECM 4	Install High Efficiency Hot Water Boilers	0	0.0	66	\$690	\$13,808	\$8,593	\$670	\$7,922	11.5	7,699
	TOTALS (COST EFFECTIVE MEASURES)	22,370	6.3	63	\$2,952	\$47,384	\$31,236	\$3,830	\$27,406	9.3	29,931
	TOTALS (ALL MEASURES)	22,370	6.3	63	\$2,952	\$47,384	\$31,236	\$3,830	\$27,406	9.3	29,931

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Greenbank Rd. Plant, Dam Office & Gatehouse, Split Rock Gatehouse



#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Lifetime Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)		CO₂e Emissions Reduction (lbs)
Lighting	Upgrades	161,128	28.0	-29	\$14,806	\$222,084	\$67,144	\$9,754	\$57,390	3.9	158,892
ECM 1	Install LED Fixtures	40,667	5.2	-4	\$3,775	\$56,632	\$40,361	\$3,500	\$36,861	9.8	40,536
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	4,205	1.2	-1	\$385	\$5,773	\$1,786	\$270	\$1,516	3.9	4,129
ECM 3	Retrofit Fixtures with LED Lamps	116,257	21.6	-24	\$10,645	\$159,679	\$24,997	\$5,984	\$19,013	1.8	114,227
Lighting	Control Measures	44,366	7.7	-9	\$4,061	\$32,485	\$28,487	\$3,150	\$25,337	6.2	43,570
ECM 4	Install Occupancy Sensor Lighting Controls	43,744	7.5	-9	\$4,004	\$32,029	\$27,812	\$3,150	\$24,662	6.2	42,959
ECM 5	Install High/Low Lighting Controls	622	0.2	0	\$57	\$455	\$675	\$0	\$675	11.9	611
Variable	Frequency Drive (VFD) Measures	29,878	9.2	0	\$2,801	\$42,017	\$33,524	\$1,600	\$31,924	11.4	30,087
ECM 6	Install VFDs on Constant Volume (CV) Fans	21,757	6.1	0	\$2,040	\$30,596	\$19,442	\$1,600	\$17,842	8.7	21,909
ECM 7	Install VFDs on Heating Water Pumps	8,121	3.1	0	\$761	\$11,420	\$14,082	\$0	\$14,082	18.5	8,178
Gas Hea	ting (HVAC/Process) Replacement	0	0.0	587	\$6,135	\$122,698	\$139,790	\$0	\$139,790	22.8	68,679
ECM 8	Install High Efficiency Hot Water Boilers	0	0.0	587	\$6,135	\$122,698	\$139,790	\$0	\$139,790	22.8	68,679
Domesti	c Water Heating Upgrade	3,370	1.4	-12	\$196	\$2,936	\$1,186	\$50	\$1,136	5.8	2,048
ECM 9	Install High Efficiency Gas-Fired Water Heater	3,370	1.4	-12	\$196	\$2,936	\$1,186	\$50	\$1,136	5.8	2,048
	TOTALS (COST EFFECTIVE MEASURES)	238,743	46.2	537	\$27,998	\$422,219	\$270,132	\$14,554	\$255,578	9.1	303,276
	TOTALS (ALL MEASURES)	238,743	46.2	537	\$27,998	\$422,219	\$270,132	\$14,554	\$255,578	9.1	303,276

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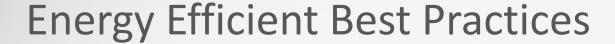
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Solar Energy Generation Potential cleanenergy

	Eastside Plant	Westside Plant	Greenbank Rd. Plant, Dam Office & Gatehouse, Split Rock Gatehouse
Potential:	MEDIUM	HIGH	MEDIUM
System Potential: (kW)	221	151	367
Electric Generation: (kWh per year)	166,290	113,619	276,147
Displaced Cost: (per year)	\$18,300	\$13,640	\$25,890

For more information on the SREC Registration Program (SRP) please visit:

http://www.njcleanenergy.com/renewable-energy/programs/solar-renewable-energy-certificates-srec/newjersey-solar-renewable-energy





- 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

Equipment Rebates:

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

Whole Buildings:

Pay for Performance

Energy Generation:

Combined Heat and Power (CHP)

OTHER PROGRAMS

INCENTIVE PROGRAMS

Renewable Energy Generation:

SREC Registration Program (SRP)

* eligible programs are highlighted in yellow

Recommended NJCEP Incentives per Building



Entity Name	Direct Install	SmartStart	СТЕЕР
Eastside Plant		X	Х
Westside Plant		X	X
Troy St. Pump Station	X	Х	Х
Greenbank Rd. Plant, Split Rock Gatehouse, Dam Office		X	Х

Direct Install: Overview



- Turn-key retrofit program to replace outdated and inefficient equipment, including lighting, HVAC, refrigeration, etc.
- Open to Small to Mid-Sized Commercial and Industrial facilities with an average electric demand ≤ 200 kW
- Provides incentives of up to 70% of the installed cost
- Incentives are paid directly to the contractor
 - Customer only pays remaining 30% of installed cost
 - \$125,000 project/building cap
 - \$250,000 per entity cap (up to \$500,000 if using ESIP)
- Participating contractors provide support and process all paperwork
- Fast turnaround time: Average length of time for job completion (4-6 months)

www.NJCleanEnergy/DI

Direct Install:



Participating Contractor

Donnelly Energy

Justin Avallone 845-401-6253

javallone@donnellyenergy.com

Direct Install:



Participating Contractor

Lime Energy

Fran Burke 732-259-4136

fburke@lime-energy.com

Direct Install: Financing Option



- Eligible NJNG customers can <u>finance</u>

 <u>the remaining 30 percent balance</u> at

 0% 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 Operations Manager New Jersey Natural Gas 732-433-4362 (cell) 732 378 4920 (office) jryan@njng.com

SmartStart: Overview



- Two types of incentives for high efficiency equipment installation:
 - Prescriptive
 - Custom
- Project Categories:
 - New Construction
 - Renovation
 - Remodeling
 - Equipment Replacement
- Project pre-approval required for lighting and custom measures
- Incentives up to \$500,000 per electric account & \$500,000 per natural gas account
- Specific incentives and individual applications for Lighting, HVAC,
 VFDs, Refrigeration, Controls and more!

www.NJCleanEnergy/SSB

CTEEP: Overview



Customer Tailored Energy Efficiency Pilot (CTEEP)

- Provide customers with on-site assistance to discuss project opportunities and program incentives.
- A single application submission streamlines multiple prescriptive and custom measures.
- Provide technical assistance incentives to help offset soft costs associated with developing and planning an energy efficiency project.
- Incentives up to \$250,000 entity cap.

www.NJCleanEnergy/CTEEP Energy Incentive Efficiency Commitment Construction Enrollment Kick-Off Substantial Benchmarking Completion **PROGRAM** Outreach & Performance **ELEMENTS** Verification Recruitment

SmartStart & CTEEP: Financing Option



 NJNG provides 0% financing options for SmartStart 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.
- The SAVEGREEN program can help with a consultation to discuss your Commercial Energy Efficiency Project.

Questions? Contact:

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Manager
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Recommended NJCEP Incentives per Building



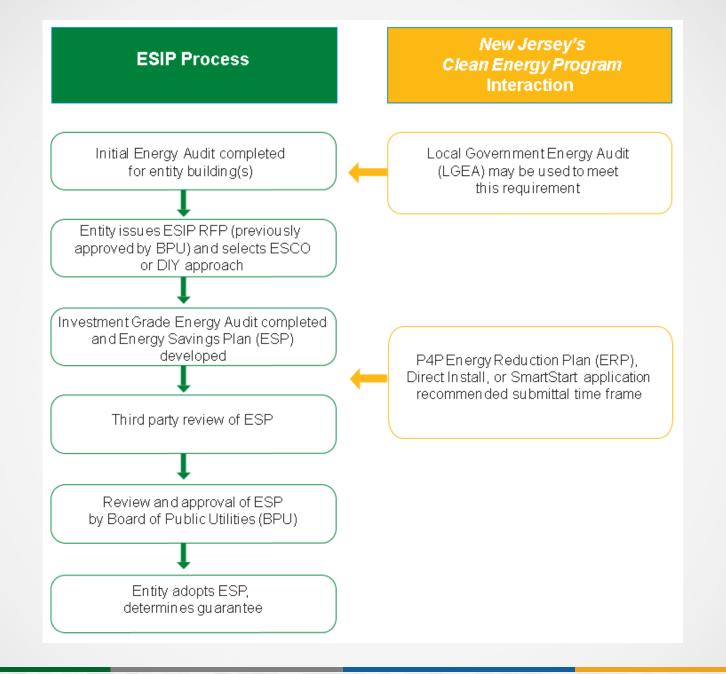
Entity Name	Direct Install	SmartStart	СТЕЕР
Eastside Plant		X	Х
Westside Plant		X	Х
Troy St. Pump Station	X	Х	Х
Greenbank Rd. Plant, Split Rock Gatehouse, Dam Office		Х	Х

ESIP



Energy Savings Improvement Program (ESIP)

- Provides alternative financing for energy savings projects at public institutions. Value of energy savings leveraged to pay for cost of EE projects over a 15 year contract. Does not count as debt/require voter approval.
- Requires an audit as 1st step (LGEA satisfies requirement)
- ESIP participation question on LGEA application
- Program administered directly by BPU





FOR MORE INFORMATION

ESIP

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ESIP Coordinator

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Questions







FOR MORE INFORMATION

Visit NJCleanEnergy.com
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