



LGEA Presentation Township of Montclair

February 22, 2024

New Jersey's Clean Energy Program

Lighting the way to New Jersey's Clean Energy Future

INTRODUCTIONS

- Township of Montclair
 - Lisa Johnson Environmental Affairs Coordinator
 - Janet Torsney Library Director
 - Selwa Shamy Asst. Library Director
 - Tim Flowers Head of Facilities and Security
- NJ Clean Energy Program
 - Sarah Walters LGEA Project Manager
 - Moussa Traore LGEA Technical Manager
 - Ryan Knippenberg LGEA Project Auditor
 - Dan Krasowsky LGEA Account Manager



Agenda

- The audit process overview
- Energy use & existing conditions
- Review of Energy Conservation Measures (ECMs) identified & other recommendations
- Energy Savings Improvement Program (ESIP)
- Energy Efficiency Incentive Programs
- Questions regarding the draft audit report
- Next steps for Township of Montclair



LGEA PROCESS



- Application Approval
- Initial Call
- **Facility Interviews**
- Audit
- Benchmarking & Analysis
- **Draft Reports**
- LGEA Presentation
- Final Reports

SITE VISIT & UTILITY ANALYSIS

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

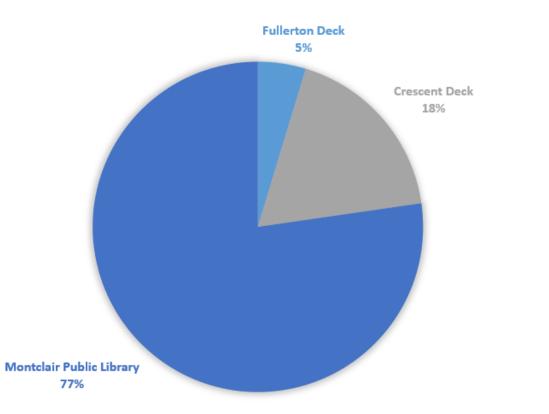
Sites Visited/Analyzed

- Fullerton Deck
- Crescent Deck
- Main Library

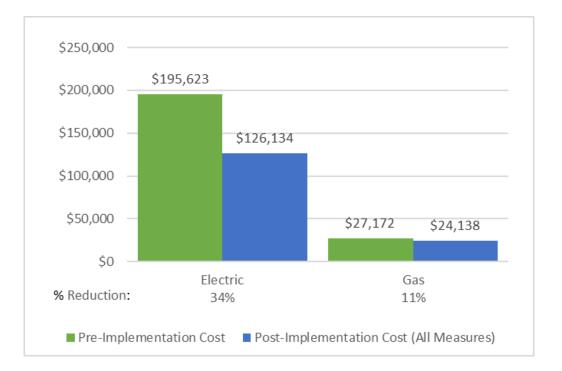


UTILITY BREAKOUT

Percent of Total Annual Energy Costs

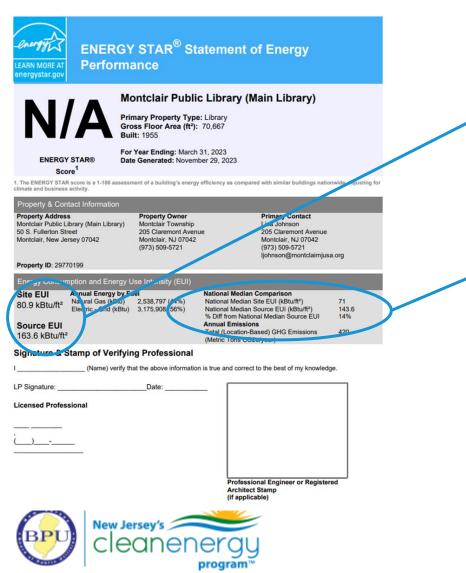


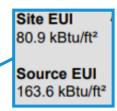






Benchmarking



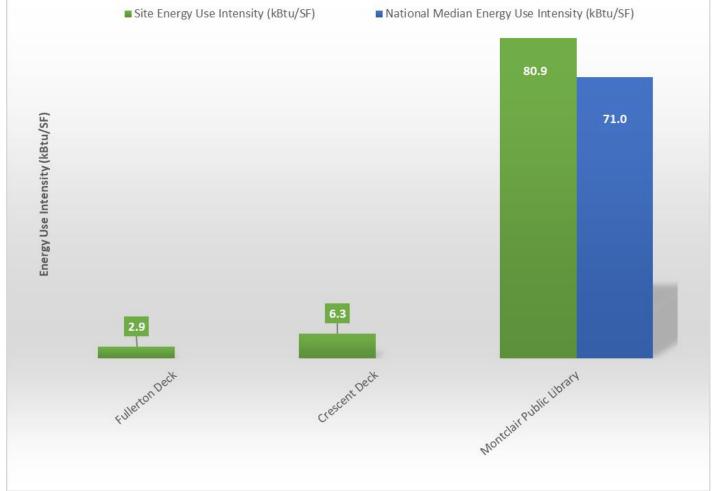


National Median Comparison	A. 12 (A.
National Median Site EUI (kBtu/ft ²)	71
National Median Source EUI (kBtu/ft ²)	143.6
% Diff from National Median Source EUI	14%
Annual Emissions	
Total (Location-Based) GHG Emissions	420
(Metric Tons CO2e/year)	1.12

Site Name	ENERGY STAR [®] Score
Fullerton Deck	N/A
Crescent Deck	N/A
Main Library	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.

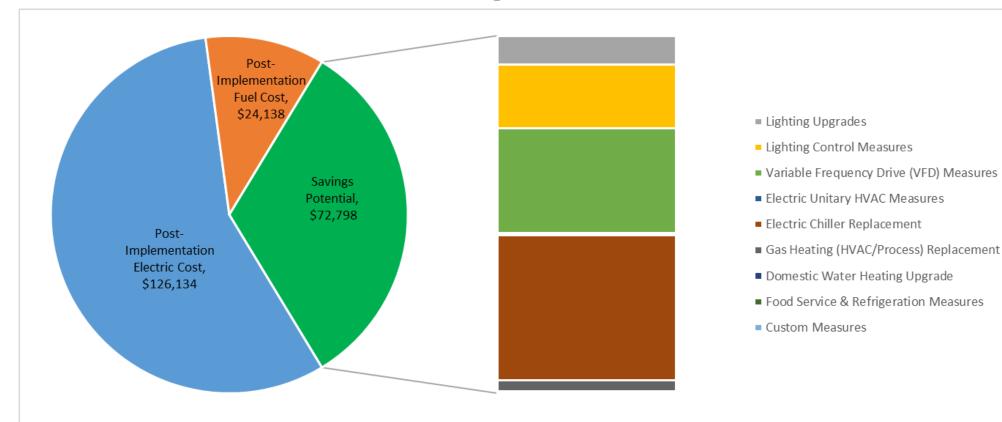
Benchmarking





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 M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO2e Emissions Reduction (Ibs)
Lighting	Upgrades	40,100	7.7	-5.2	\$5,833	\$22,890	\$2,590	\$20,300	3.5	39,772
ECM 1	Install LED Fixtures	14,710	1.3	-0.3	\$2,010	\$10,430	\$660	\$9,770	4.9	14,776
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	1,806	0.6	-0.4	\$275	\$1,410	\$160	\$1,250	4.5	1,773
ECM 3	Retrofit Fixtures with LED Lamps	23,585	5.8	-4.5	\$3,547	\$11,050	\$1,770	\$9,280	2.6	23,223
Lighting	Control Measures	90,606	14.7	-10.0	\$13,014	\$60,460	\$16,230	\$44,230	3.4	90,070
ECM 4	Install Occupancy Sensor Lighting Controls	46,106	10.8	-9.5	\$6,997	\$35,950	\$4,030	\$31,920	4.6	45,312
ECM 5	Install Daylight Dimming/Photocell Controls	7,008	0.0	0.0	\$888	\$980	\$0	\$980	1.1	7,057
ECM 6	Install High/Low Lighting Controls	37,493	3.9	-0.5	\$5,128	\$23,530	\$12,200	\$11,330	2.2	37,701
Variable	Frequency Drive (VFD) Measures	137,670	29.0	0.0	\$21,313	\$85,400	\$9,400	\$76,000	3.6	138,633
ECM 7	Install VFDs on Constant Volume (CV) Fans	83,277	19.4	0.0	\$12,892	\$43,000	\$4,800	\$38,200	3.0	83,859
ECM 8	Install VFDs on Chilled Water Pumps	38,318	7.8	0.0	\$5,932	\$27,600	\$2,600	\$25,000	4.2	38,586
ECM 9	Install VFDs on Heating Water Pumps	16,075	1.9	0.0	\$2,489	\$14,800	\$2,000	\$12,800	5.1	16,188
Unitary	HVAC Measures	2,700	1.1	0.0	\$418	\$10,800	\$500	\$10,300	24.6	2,719
ECM 10	Install High Efficiency Air Conditioning Units	2,700	1.1	0.0	\$418	\$10,800	\$500	\$10,300	24.6	2,719

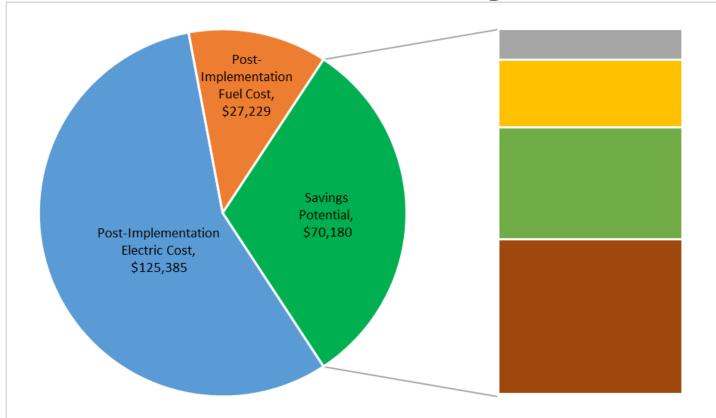
ALL OPPORTUNITIES (CONT.)

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO ₂ e Emissions Reduction (Ibs)
Electric (Chiller Replacement	191,256	10.9	0.0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593
ECM 11	Install High Efficiency Chillers	191,256	10.9	0.0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593
Gas Heat	ting (HVAC/Process) Replacement	0	0.0	198.9	\$2,153	\$79 <i>,</i> 900	\$4,200	\$75,700	35.2	23,290
ECM 12	Install High Efficiency Hot Water Boilers	0	0.0	198.9	\$2,153	\$79 <i>,</i> 900	\$4,200	\$75,700	35.2	23,290
Domesti	ic Water Heating Upgrade	0	0.0	14.4	\$156	\$3,160	\$270	\$2 <i>,</i> 890	18.5	1,687
ECM 13	Install High Efficiency Gas-Fired Water Heater	0	0.0	4.4	\$47	\$3,000	\$200	\$2 <i>,</i> 800	59.3	511
ECM 14	Install Low-Flow DHW Devices	0	0.0	10.0	\$109	\$160	\$70	\$90	0.8	1,176
Food Se	rvice & Refrigeration Measures	1,954	0.2	0.0	\$303	\$540	\$50	\$490	1.6	1,968
ECM 15	Vending Machine Control	1,954	0.2	0.0	\$303	\$540	\$50	\$490	1.6	1,968
Custom	Measures	-6,952	0.0	74.0	-\$275	\$2,800	\$0	\$2,800	-10.2	1,664
LECM 16	Replace Gas Fired Water Heater with Heat Pump Water Heater	-6,952	0.0	74.0	-\$275	\$2,800	\$0	\$2,800	-10.2	1,664
	TOTALS (ALL MEASURES)	457,335	63.7	272.1	\$72,523	\$422,750	\$47,040	\$375,710	5.2	492,396

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

COST EFFECTIVE OPPORTUNITIES

Savings Potential



Lighting Upgrades

- Lighting Control Measures
- Motor Upgrades
- Variable Frequency Drive (VFD) Measures
- Electric Chiller Replacement
- Domestic Water Heating Upgrade
- Food Service & Refrigeration Measures



COST EFFECTIVE OPPORTUNITIES

#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO₂e Emissions Reduction (Ibs)
Lighting	Upgrades	40,100	7.7	-5.2	\$5,833	\$22,890	\$2 <i>,</i> 590	\$20,300	3.5	39,772
ECM 1	Install LED Fixtures	14,710	1.3	-0.3	\$2,010	\$10,430	\$660	\$9,770	4.9	14,776
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	1,806	0.6	-0.4	\$275	\$1,410	\$160	\$1,250	4.5	1,773
ECM 3	Retrofit Fixtures with LED Lamps	23,585	5.8	-4.5	\$3 <i>,</i> 547	\$11,050	\$1,770	\$9,280	2.6	23,223
Lighting	Control Measures	90,606	14.7	-10.0	\$13,014	\$60,460	\$16,230	\$44,230	3.4	90,070
ECM 4	Install Occupancy Sensor Lighting Controls	46,106	10.8	-9.5	\$6,997	\$35,950	\$4,030	\$31,920	4.6	45,312
ECM 5	Install Daylight Dimming/Photocell Controls	7,008	0.0	0.0	\$888	\$980	\$0	\$980	1.1	7,057
ECM 6	Install High/Low Lighting Controls	37,493	3.9	-0.5	\$5,128	\$23,530	\$12,200	\$11,330	2.2	37,701
Variable	e Frequency Drive (VFD) Measures	137,670	29.0	0.0	\$21,313	\$85,400	\$9,400	\$76,000	3.6	138,633
ECM 7	Install VFDs on Constant Volume (CV) Fans	83,277	19.4	0.0	\$12,892	\$43,000	\$4,800	\$38,200	3.0	83,859
ECM 8	Install VFDs on Chilled Water Pumps	38,318	7.8	0.0	\$5 <i>,</i> 932	\$27,600	\$2,600	\$25,000	4.2	38,586
ECM 9	Install VFDs on Heating Water Pumps	16,075	1.9	0.0	\$2,489	\$14,800	\$2,000	\$12,800	5.1	16,188
Electric	Chiller Replacement	191,256	10.9	0.0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593
ECM 11	Install High Efficiency Chillers	191,256	10.9	0.0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593
Domest	ic Water Heating Upgrade	0	0.0	10.0	\$109	\$160	\$70	\$90	0.8	1,176
ECM 14	Install Low-Flow DHW Devices	0	0.0	10.0	\$109	\$160	\$70	\$90	0.8	1,176
Food Se	rvice & Refrigeration Measures	1,954	0.2	0.0	\$303	\$540	\$50	\$490	1.6	1,968
ECM 15	Vending Machine Control	1,954	0.2	0.0	\$303	\$540	\$50	\$490	1.6	1,968
	TOTALS	461,587	62.6	-5.1	\$70,180	\$326,250	\$42,140	\$284,110	4.0	464,213

* - All incentives presented in this table are included as placesholders and are based on previously run state rebate programs. Contact your utility provider for details on current programs

FULLERTON DECK

#	Energy Conservation Measure	Cost Effective?		Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		624	0.1	0	\$89	\$100	\$20	\$80	0.9	629
ECM 1	Retrofit Fixtures with LED Lamps	Yes	624	0.1	0	\$89	\$100	\$20	\$80	0.9	629
Lighting	Control Measures		19,371	1.8	0	\$2,776	\$8,450	\$4,230	\$4,220	1.5	19,507
ECM 2	Install High/Low Lighting Controls	Yes	19,371	1.8	0	\$2,776	\$8 <i>,</i> 450	\$4,230	\$4,220	1.5	19,507
	TOTALS (COST EFFECTIVE MEASURES)		19,996	1.9	0	\$2,865	\$8,550	\$4,250	\$4,300	1.5	20,136
	TOTALS (ALL MEASURES)		19,996	1.9	0	\$2,865	\$8,550	\$4,250	\$4,300	1.5	20,136

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.



CRESCENT DECK

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		11,111	1.1	0	\$1,409	\$4,200	\$140	\$4,060	2.9	11,189
ECM 1	Install LED Fixtures	Yes	9,399	1.0	0	\$1,192	\$3,800	\$60	\$3,740	3.1	9,465
ECM 2	Retrofit Fixtures with LED Lamps	Yes	1,711	0.2	0	\$217	\$400	\$80	\$320	1.5	1,723
Lighting	Control Measures		24,313	1.8	0	\$3,082	\$13,110	\$6,200	\$6,910	2.2	24,483
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	1,331	0.1	0	\$169	\$1,140	\$100	\$1,040	6.2	1,341
ECM 4	Install Photocell Controls	Yes	7,008	0.0	0	\$888	\$980	\$0	\$980	1.1	7,057
ECM 5	Install High/Low Lighting Controls	Yes	15,974	1.6	0	\$2,025	\$10,990	\$6,100	\$4,890	2.4	16,086
	TOTALS (COST EFFECTIVE MEASURES)		35,424	2.9	0	\$4,491	\$17,310	\$6,340	\$10,970	2.4	35,672
	TOTALS (ALL MEASURES)		35,424	2.9	0	\$4,491	\$17,310	\$6,340	\$10,970	2.4	35,672

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.



MAIN LIBRARY

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)		CO₂e Emissions Reduction (Ibs)
Lighting	Upgrades		28,365	6.5	-5	\$4,335	\$18,590	\$2,430	\$16,160	3.7	27,955
ECM 1	Install LED Fixtures	Yes	5,310	0.3	0	\$819	\$6,630	\$600	\$6,030	7.4	5,311
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	1,806	0.6	0	\$275	\$1,410	\$160	\$1,250	4.5	1,773
ECM 3	Retrofit Fixtures with LED Lamps	Yes	21,249	5.6	-4	\$3,241	\$10,550	\$1,670	\$8,880	2.7	20,871
Lighting	Control Measures		46,922	11.2	-10	\$7,156	\$38,900	\$5,800	\$33,100	4.6	46,080
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	44,774	10.7	-10	\$6,828	\$34,810	\$3,930	\$30,880	4.5	43,971
ECM 5	Install High/Low Lighting Controls	Yes	2,147	0.5	0	\$327	\$4,090	\$1,870	\$2,220	6.8	2,109
Variable	Frequency Drive (VFD) Measures		137,670	29.0	0	\$21,313	\$85 <i>,</i> 400	\$9,400	\$76,000	3.6	138,633
ECM 6	Install VFDs on Constant Volume (CV) Fans	Yes	83,277	19.4	0	\$12,892	\$43,000	\$4,800	\$38,200	3.0	83,859
ECM 7	Install VFDs on Chilled Water Pumps	Yes	38,318	7.8	0	\$5,932	\$27,600	\$2,600	\$25,000	4.2	38,586
ECM 8	Install VFDs on Heating Water Pumps	Yes	16,075	1.9	0	\$2,489	\$14,800	\$2,000	\$12 <i>,</i> 800	5.1	16,188
Unitary	HVAC Measures		2,700	1.1	0	\$418	\$10,800	\$500	\$10,300	24.6	2,719
ECM 9	Install High Efficiency Air Conditioning Units	No	2,700	1.1	0	\$418	\$10,800	\$500	\$10,300	24.6	2,719
Electric	Chiller Replacement		191,256	10.9	0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593
ECM 10	Install High Efficiency Chillers	Yes	191,256	10.9	0	\$29,609	\$156,800	\$13,800	\$143,000	4.8	192,593



MAIN LIBRARY (CONT.)

Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)			Simple Payback Period (yrs)**	CO₂e Emissions Reduction (Ibs)
g (HVAC/Process) Replacement		0	0.0	199	\$2,153	\$79,900	\$4,200	\$75,700	35.2	23,290
stall High Efficiency Hot Water Boilers	No	0	0.0	199	\$2,153	\$79,900	\$4,200	\$75,700	35.2	23,290
Water Heating Upgrade		0	0.0	14	\$156	\$3,160	\$270	\$2,890	18.5	1,687
stall High Efficiency Gas-Fired Water Heater	No	0	0.0	4	\$47	\$3,000	\$200	\$2,800	59.3	511
stall Low-Flow DHW Devices***	Yes	0	0.0	10	\$109	\$160	\$70	\$90	0.8	1,176
ce & Refrigeration Measures		1,954	0.2	0	\$303	\$540	\$50	\$490	1.6	1,968
ending Machine Control	Yes	1,954	0.2	0	\$303	\$540	\$50	\$490	1.6	1,968
easures****		-6,952	0.0	74	-\$275	\$2 <i>,</i> 800	\$0	\$2,800	-10.2	1,664
eplace Gas Fired Water Heater with Heat Pump Water eater****	No	-6,952	0.0	74	-\$275	\$2,800	\$0	\$2,800	-10.2	1,664
TOTALS (COST EFFECTIVE MEASURES)		406,167	57.9	-5	\$62,824	\$300,390	\$31,550	\$268,840	4.3	408,405
TOTALS (ALL MEASURES)		401,915	59.0	272	\$65,167	\$396,890	\$36,450	\$360,440	5.5	436,589
	g (HVAC/Process) Replacement stall High Efficiency Hot Water Boilers Vater Heating Upgrade stall High Efficiency Gas-Fired Water Heater stall Low-Flow DHW Devices*** ce & Refrigeration Measures Inding Machine Control easures**** place Gas Fired Water Heater with Heat Pump Water hater****	Energy Conservation Measure Effective? g (HVAC/Process) Replacement	Energy Conservation MeasureCost Effective?Electric Savings (kWh)g (HVAC/Process) Replacement0stall High Efficiency Hot Water BoilersNo0Vater Heating Upgrade00Stall High Efficiency Gas-Fired Water HeaterNo0stall Low-Flow DHW Devices***Yes0ce & Refrigeration Measures1,954nding Machine ControlYes1,954easures****-6,952place Gas Fired Water Heater with Heat Pump Water nater****No-6,952TOTALS (COST EFFECTIVE MEASURES)406,167	Energy Conservation MeasureCost Effective?Electric Savings (kWh)Demand Savings (kWh)g (HVAC/Process) Replacement00.0stall High Efficiency Hot Water BoilersNo00.0Vater Heating Upgrade00.00.0stall High Efficiency Gas-Fired Water HeaterNo00.0stall Low-Flow DHW Devices***Yes00.0ce & Refrigeration Measures1,9540.2nding Machine ControlYes1,9540.2place Gas Fired Water Heater with Heat Pump Water ater****No-6,9520.0TOTALS (COST EFFECTIVE MEASURES)406,16757.9	Energy Conservation MeasureCost Effective?Electric Savings (kWh)Peuel Savings (kWh)g (HVAC/Process) Replacement00.0199stall High Efficiency Hot Water BoilersNo00.0199Vater Heating Upgrade00.014stall High Efficiency Gas-Fired Water HeaterNo00.04stall Low-Flow DHW Devices***Yes00.010ce & Refrigeration MeasuresYes1,9540.20nding Machine ControlYes1,9540.20place Gas Fired Water Heater with Heat Pump Water ater****No-6,9520.074TOTALS (COST EFFECTIVE MEASURES)406,16757.9-5	Energy Conservation MeasureCost Effective?Annual Electric Savings (kWh)Peak Demand Savings (kW)Annual Fuel Savings (kW)Energy Cost Savings (kW)g (HVAC/Process) Replacement00.0199\$2,153stall High Efficiency Hot Water BoilersNo00.0199\$2,153Vater Heating Upgrade00.0109\$2,153stall High Efficiency Gas-Fired Water HeaterNo00.014\$156stall Low-Flow DHW Devices***Yes00.010\$109ce & Refrigeration Measures1,9540.20\$303nding Machine ControlYes1,9540.20\$303place Gas Fired Water Heater with Heat Pump Water tater****No-6,9520.074-\$275TOTALS (COST EFFECTIVE MEASURES)406,16757.9-5\$62,824	Energy Conservation MeasureAnnual Effective?Peak Savings (kWhAnnual Fuel Savings (kWhEnergy 	Energy Conservation MeasureCost Effective?Annual Electric Savings (kWh)Peak Peak Savings (kWh)Annual Fuel Savings (kWh)Energy Cost Savings (kWh)Estimated M&L Cost (s)Estimated Incentive (s)g (HVAC/Process) Replacement00.0199\$2,153\$79,900\$4,200stall High Efficiency Hot Water BoilersNo00.0199\$2,153\$79,900\$4,200Vater Heating Upgrade00.0144\$156\$3,160\$270stall High Efficiency Gas-Fired Water HeaterNo00.014\$156\$3,000\$200stall Low-Flow DHW Devices***Yes00.010\$109\$160\$70ce & Refrigeration Measures1,9540.20\$303\$540\$50nding Machine ControlYes1,9540.20\$303\$540\$50easures****No-6,9520.074-\$275\$2,800\$0place Gas Fired Water Heater with Heat Pump Water ater****No-6,9520.074-\$275\$2,800\$0TOTALS (COST EFFECTIVE MEASURES)Ves406,16757.9-5\$62,824\$300,390\$31,550	Energy Conservation MeasureAnnual Effective?Annual Electric Savings (kWh)Peak Demand Savings (kWh)Annual Fuel Savings (kWh)Energy Cost Savings (s)Estimated Incentive Net M&L Cost (s)Estimated Net M&L Cost (s)E	Energy Conservation MeasureCost Effective?Annual Cost Savings (kWh)Peak Demand Savings (kWh)Annual Fuel Savings (kMHBtu)Energy Cost Savings (s)Estimated M&L Cost (s)Estimated Net M&L

* - All incentives presented in this table are included as placeholders for planning purposes and are based on previously run state rebate programs. Contact your utility provider for details on current programs.

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

**** - Negative payback explained in section 4.9



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 Best Practices by building



WATER BEST PRACTICES





- Leak Detection and Repair
- Toilets and Urinals
- Faucets and Showerheads
- Commercial Kitchen Equipment
- Laundry Equipment
- Cooling Towners
- Steam Boiler System
- Pools and Spas

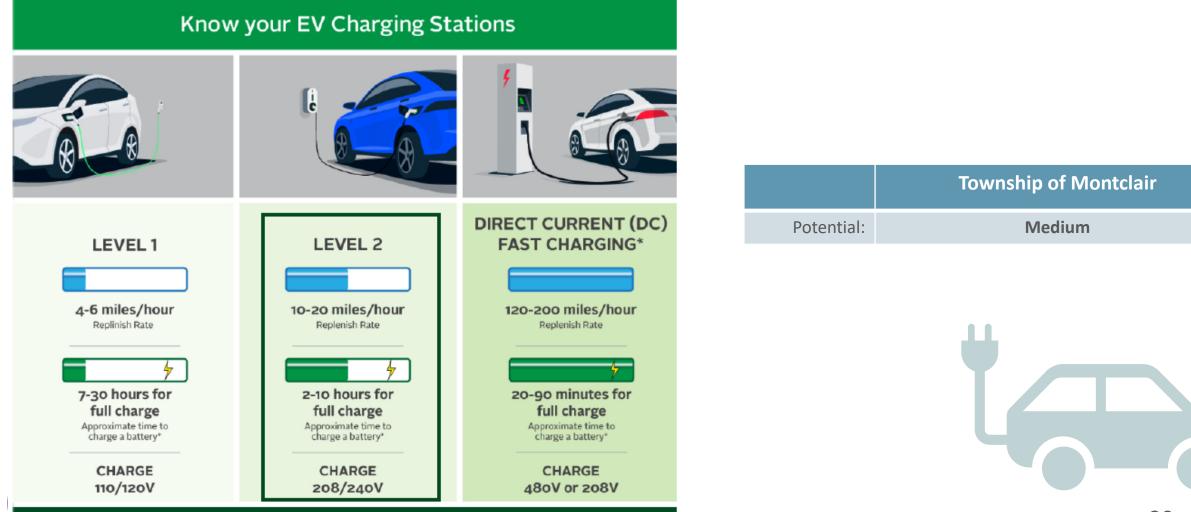
- Laboratory and Medical Equipment
- Water Metering and Submetering
- Vehicle Washing
- Single Pass Cooling System
- Landscaping and Irrigation
- On-Site Alternative Water Sources

See individual reports for specific Water Best Practices by building



EV CHARGING STATION POTENTIAL

NJCleanEnergy.com/EV



- -

SOLAR ENERGY GENERATION POTENTIAL

NJCleanEnergy.com/renewable-energy

	Crescent Deck	Main Library
Potential:	MEDIUM	MEDIUM
System Potential: (kW)	89	75
Electric Generation: (kWh per year)	106,032	56,434
Displaced Cost: (per year)	\$13,440	\$8,740



FINANCING MECHANISM: ESIP

NJCleanEnergy.com/ESIP

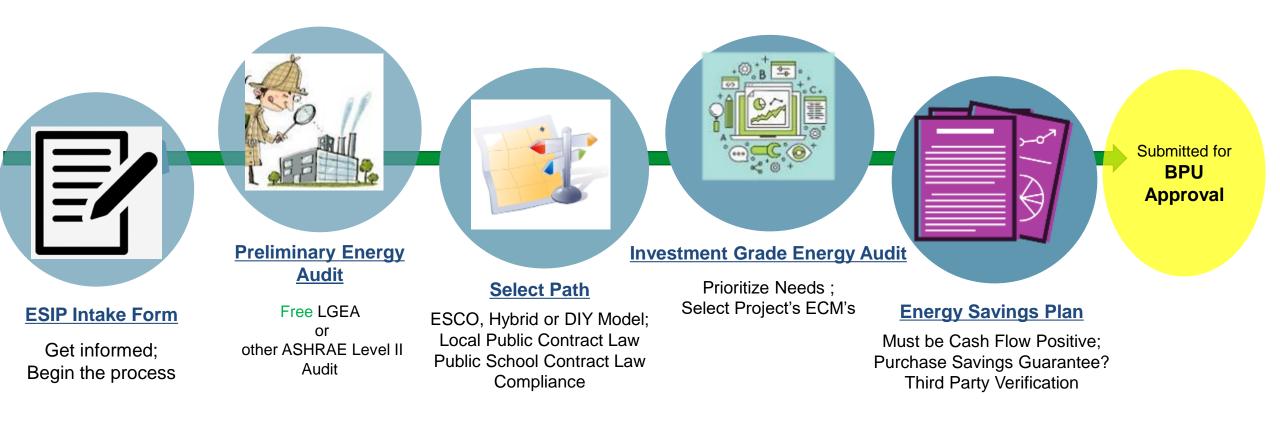
ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- Energy Performance Contracting = NJ ESIP Program
- A creative tool and financing mechanism that allows public entities to make energy efficiency improvements without impacting their budgets
- Administered by the NJBPU
- Project is paid for with the value of its own energy savings
- 2 Options: Lease Purchase Loan or Bond
- 15 or 20 year pay back term
- NJBPU Approved Incentive Programs
 - Utility or NJCEP
- Can be combined with Federal/State Grants
- No upfront capital expenses
- No referendum or impact to tax payers



ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP





ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP

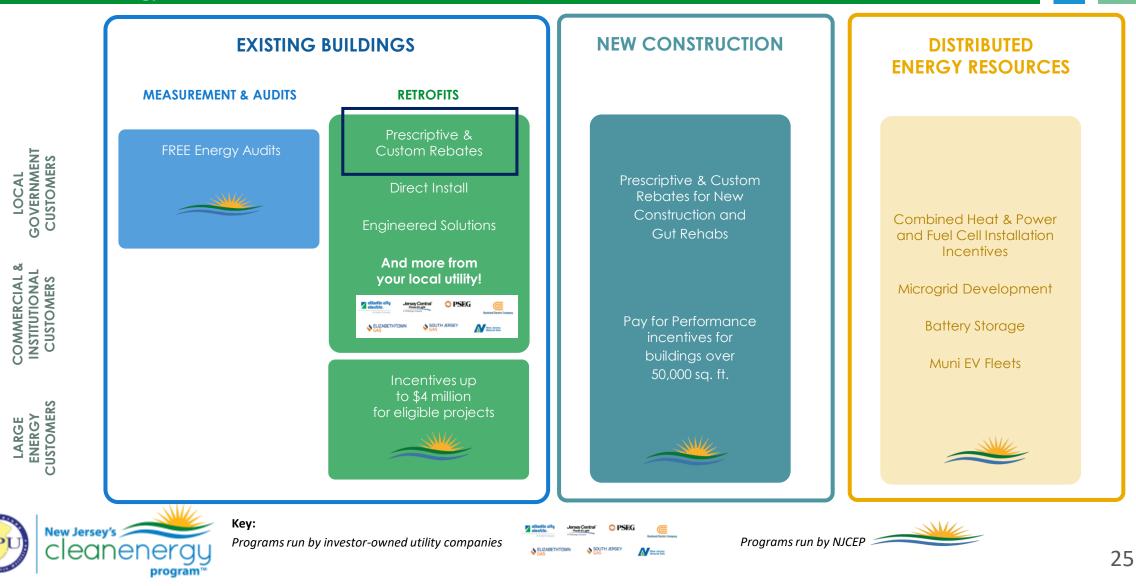
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C&I ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com



UTILITY RUN ENERGY EFFICIENCY PROGRAMS*

NJCleanEnergy.com/Transition

PRESCRIPTIVE & CUSTOM REBATES:

- Individual high efficiency equipment rebates for renovation, remodeling, and equipment replacement
- Flexibility to do a little or a lot
- No size requirement

DIRECT INSTALL

ENERGY MANAGEMENT :

- Turn-key retrofit program to replace outdated and inefficient equipment including, lighting, HVAC, refrigeration, etc.
- The facility must have an average electric peak demand <200kW in the previous year to qualify
- Includes the Building Tune-up (BT), Retro-commissioning (RCx), and Strategic Energy Management (SEM) subprograms. These subprograms offer a comprehensive mix of custom energy-savings measures such as basic HVAC tune-ups, building systems tune-ups, controls' calibration, diagnostic testing, and installation of measures to enhance your building's energy performance and savings.

ENGINEERED SOLUTIONS:

- Comprehensive, whole-building approach to saving energy
- The facility must have an average electric peak demand >200kW in the previous year to qualify

*Other programs may be available to you. Check with your Utility Provider to see a full list of offering and what you may be qualified for.

UTILITY RUN ENERGY EFFICIENCY PROGRAMS

PSE&G

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