



LGEA Presentation Round Valley Recreational Area



January 29, 2025

New Jersey's Clean Energy Program

Lighting the way to New Jersey's Clean Energy Future

INTRODUCTIONS

- NJDEP RVRA
 - Deidre Supple
 - Jeffrey MacMullen
 - Stephen Myers
 - Laura Petrangeli
 - Ryan Gergely

- NJBPU
 - Sarah Bluhm Gibson
 - Yulia Grinberg

- NJ Clean Energy Program
 - Sarah Walters LGEA Project Manager
 - Moussa Traore LGEA Technical Manager
 - Juno Romanick LGEA Project Auditor
 - Daniel Krasowsky LGEA Account Manager

- Utility Energy Efficiency Programs
 - Tiffany Lewis JCP&L
 - Andrew Doss JCP&L



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 Round Valley Recreational Area



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 and Costs:

- Electric
- Natural Gas
- Propane
- Water

Sites Visited/Analyzed

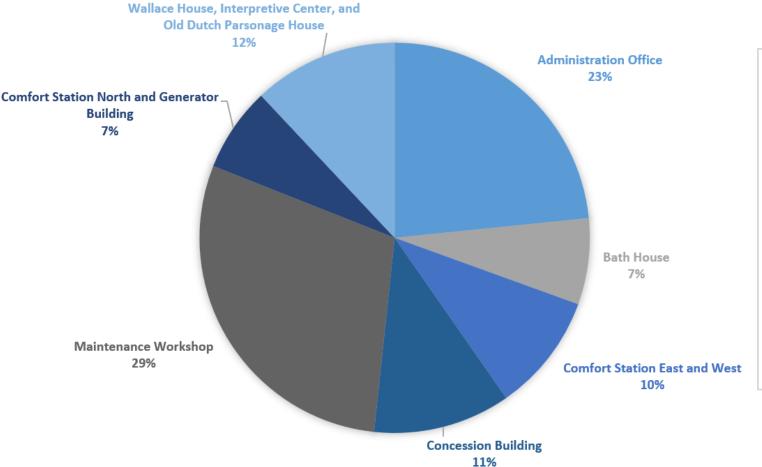
- Maintenance Workshop
- Comfort Station North and Generator Building
- Administration Office
- Concession Building
- Bath House
- Interpretive Center, Wallace and Old Dutch Parsonage Historic Sites



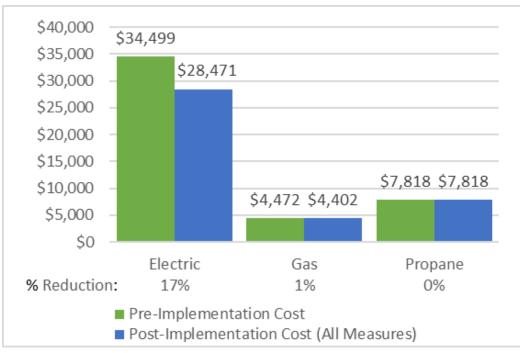
UTILITY BREAKOUT

Percent of Total Annual Energy Costs





Pre & Post Implementation Cost



BENCHMARKING



ENERGY STAR[®] Statement of Energy Performance

15

Round Valley - Administration Office

Primary Property Type: Office Gross Floor Area (ft²): 2,900

Built: 1973

For Year Ending: May 31, 2024 Date Generated: November 03, 2024

Score¹

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

Property & Contact Information

Property Address Round Valley - Administration Office 1220 Stanton-Lebanon Road Lebanon, New Jersey 08833 Property Owner State of New Jersey 428 East State Street Trenton, NJ 08625 (609) 940-4129 Primary Contact New Jersey Board of Public Utilities State Energy Services 44 South Clinton Ave

Trenton, NJ 08625 6096339666 BPU.EnergyServices@bpu.nj.gov

Property ID: 35939737

climate and business activity

Energy Consumption and Energy Use Intensity (EC.)

773 KBtu/ft² Electric - Grid (kBtd)

Source EUI National Median Comparison

Cource EUI National Median Comparison
204.2 kBtu/ft² National Median Size EUI (kBtu/ft²)
National Median Source EUI (kBtu/ft²)

Annual Emissions
211,57 Total (Location-Based) GHG

Emissions (Metric Tons CO2e/ year)

 Green Power
 N/A

 Green Power – Onsite (kWh)
 N/A

 Green Power – Offsite (kWh)
 0

 Percent of RECs Retained
 N/A

19

Signature & Stamp of Verifying Professional

	•		-
LP Signature:	Date:		
Licensed Professional			
, ()			

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

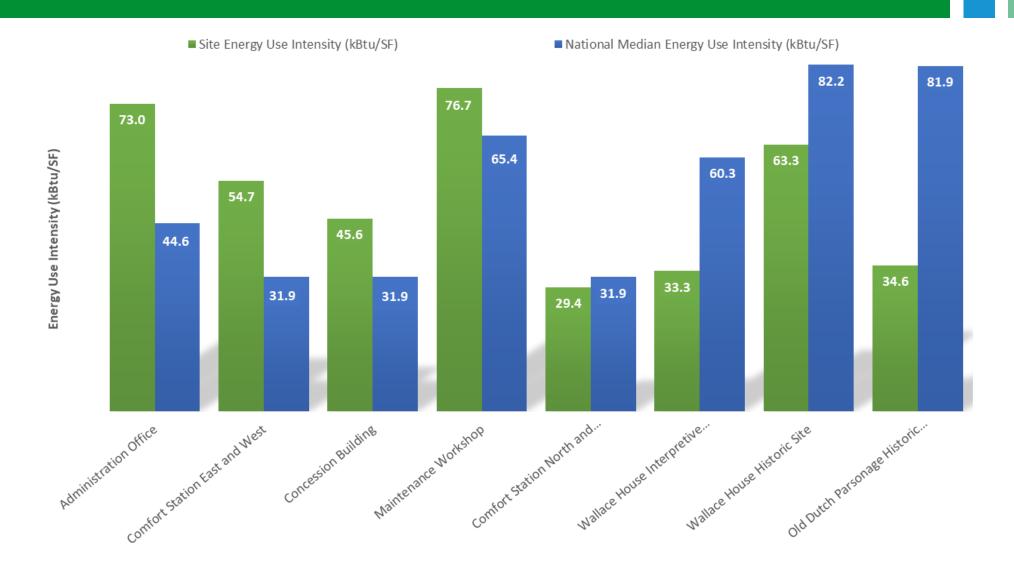
Professional Engineer or Registered Architect Stamp (if applicable)

Site Name	ENERGY STAR [®] Score
All Other Sites	N/A

Site EUI 73 kBtu/ft²	Annual Energy by Fuel Electric - Grid (kBtu)	211,57 (100%)
Source EUI	National Median Comparison	No. of Contract of
204.3 kBtu/ft ²	National Median Site EUI (kBtu/ft²)	44.6
204.0 KDtu/It	National Median Source EUI (kBtu/ft²)	124.9
	% Diff from National Median Source EUI	64%

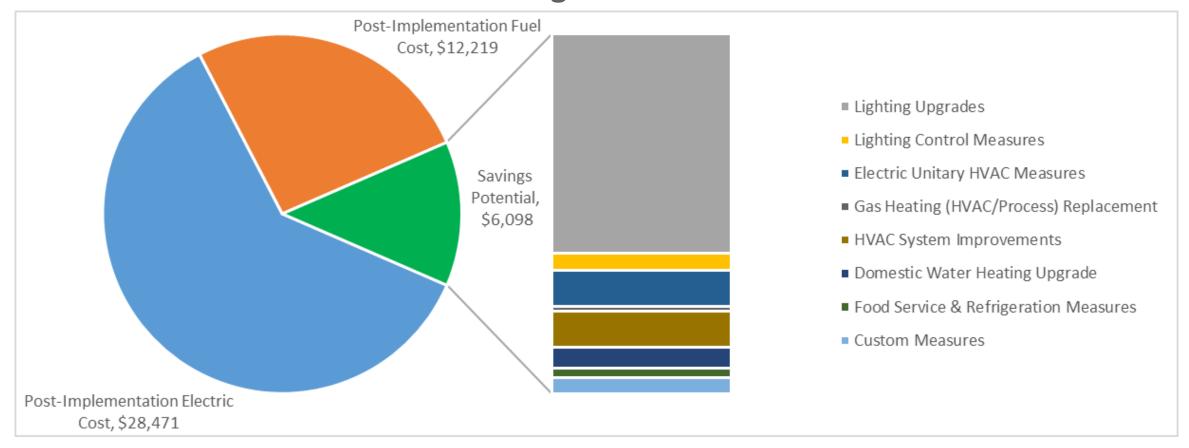
ENERGY STAR® scores are percentile ranking from 1 (least efficient) to 100 (most efficient). It compares your building's energy performance to similar buildings nationwide.

BENCHMARKING



ALL OPPORTUNITIES

Savings Potential





ALL OPPORTUNITIES

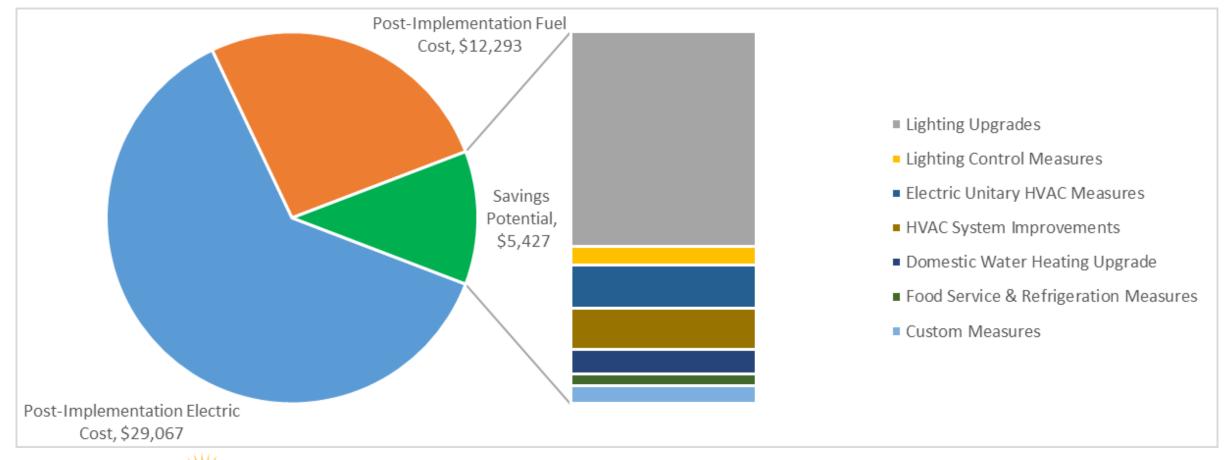
#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades	19,160	10.7	-0.3	\$3,712	\$39,640	\$3,250	\$36,390	9.8	19,262
ECM 1	Install LED Fixtures	3,675	2.3	0.0	\$851	\$23,980	\$1,750	\$22,230	26.1	3,700
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	7,523	4.7	0.0	\$1,369	\$10,610	\$960	\$9,650	7.0	7,574
ECM 3	Retrofit Fixtures with LED Lamps	7,962	3.6	-0.3	\$1,492	\$5,050	\$540	\$4,510	3.0	7,988
Lighting	Control Measures	1,424	0.9	0.0	\$298	\$5,790	\$720	\$5,070	17.0	1,431
ECM 4	Install Occupancy Sensor Lighting Controls	1,424	0.9	0.0	\$298	\$5,790	\$720	\$5,070	17.0	1,431
Unitary	HVAC Measures	3,560	1.1	0.0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
ECM 5	Install High Efficiency Air Conditioning Units	3,560	1.1	0.0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
Gas Hea	ating (HVAC/Process) Replacement	0	0.0	5.0	\$71	\$2,600	\$500	\$2,100	29.7	591
ECM 6	Install High Efficiency Furnaces	0	0.0	5.0	\$71	\$2,600	\$500	\$2,100	29.7	591
HVAC S	ystem Improvements	3,509	0.0	0.0	\$607	\$430	\$10	\$420	0.7	3,534
ECM 7	Install Programmable Thermostats	3,388	0.0	0.0	\$589	\$380	\$0	\$380	0.6	3,412
ECM 8	Install Pipe Insulation	121	0.0	0.0	\$18	\$50	\$10	\$40	2.2	122
Domest	ic Water Heating Upgrade	1,079	0.0	0.0	\$362	\$130	\$30	\$100	0.3	1,087
ECM 9	Install Low-Flow DHW Devices	1,079	0.0	0.0	\$362	\$130	\$30	\$100	0.3	1,087
Food Se	rvice & Refrigeration Measures	1,138	0.0	0.0	\$169	\$3,070	\$170	\$2,900	17.2	1,146
ECM 10	Refrigerator/Freezer Case Electrically Commutated Motors	197	0.0	0.0	\$29	\$370	\$40	\$330	11.3	198
ECM 11	Refrigeration Controls	941	0.0	0.0	\$140	\$2,700	\$130	\$2,570	18.4	948
Custom	Measures	1,618	0.0	0.0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
ECM 12	Replace Electric Water Heater with Heat Pump Water Heater	1,618	0.0	0.0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
	TOTALS (ALL MEASURES)	31,490	12.7	4.7	\$6,098	\$65,260	\$5,280	\$59,980	9.8	32,266

^{* -} 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).

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 M&L Cost (\$)	Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Simple Payback Period (yrs)**	CO₂e Emissions Reduction (lbs)
Lighting	Upgrades	17,262	7.1	-0.3	\$3,137	\$15,840	\$1,580	\$14,260	4.5	17,353
ECM 1	Install LED Fixtures	1,879	0.0	0.0	\$302	\$1,330	\$150	\$1,180	3.9	1,892
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	7,427	4.4	0.0	\$1,346	\$9,990	\$890	\$9,100	6.8	7,479
ECM 3	Retrofit Fixtures with LED Lamps	7,955	2.8	-0.3	\$1,489	\$4,520	\$540	\$3,980	2.7	7,981
Lighting	Control Measures	1,260	0.8	0.0	\$274	\$4,680	\$580	\$4,100	15.0	1,265
ECM 4	Install Occupancy Sensor Lighting Controls	1,260	0.8	0.0	\$274	\$4,680	\$580	\$4,100	15.0	1,265
Unitary	HVAC Measures	3,560	1.1	0.0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
ECM 5	Install High Efficiency Air Conditioning Units	3,560	1.1	0.0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
HVAC Sy	stem Improvements	3,509	0.0	0.0	\$607	\$430	\$10	\$420	0.7	3,534
ECM 7	Install Programmable Thermostats	3,388	0.0	0.0	\$589	\$380	\$0	\$380	0.6	3,412
ECM 8	Install Pipe Insulation	121	0.0	0.0	\$18	\$50	\$10	\$40	2.2	122
Domesti	c Water Heating Upgrade	1,079	0.0	0.0	\$362	\$130	\$30	\$100	0.3	1,087
ECM 9	Install Low-Flow DHW Devices	1,079	0.0	0.0	\$362	\$130	\$30	\$100	0.3	1,087
Food Sei	vice & Refrigeration Measures	1,138	0.0	0.0	\$169	\$3,070	\$170	\$2,900	17.2	1,146
ECM 10	Refrigerator/Freezer Case Electrically Commutated Motors	197	0.0	0.0	\$29	\$370	\$40	\$330	11.3	198
ECM 11	Refrigeration Controls	941	0.0	0.0	\$140	\$2,700	\$130	\$2,570	18.4	948
Custom	Measures	1,618	0.0	0.0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
ECM 12	Replace Electric Water Heater with Heat Pump Water Heater	1,618	0.0	0.0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
	TOTALS	29,427	9.1	-0.3	\$5,427	\$37,750	\$2,970	\$34,780	6.4	29,599

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MAINTENANCE WORKSHOP

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Peak Demand Savings (kW)		Annual Energy Cost Savings (\$)	Estimated M&L Cost (\$)	Estimated Incentive (\$)*			CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		6,752	1.9	0	\$1,086	\$4,360	\$500	\$3,860	3.6	6,799
ECM 1	Install LED Fixtures	Yes	1,879	0.0	0	\$302	\$1,330	\$150	\$1,180	3.9	1,892
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	2,606	0.9	0	\$419	\$1,600	\$180	\$1,420	3.4	2,624
ECM 3	Retrofit Fixtures with LED Lamps	Yes	2,266	1.0	0	\$364	\$1,430	\$170	\$1,260	3.5	2,282
Lighting	Control Measures		210	0.1	0	\$34	\$600	\$80	\$520	15.4	211
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	210	0.1	0	\$34	\$600	\$80	\$520	15.4	211
Custom	Measures		1,618	0.0	0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
ECM 5	Replace Electric Water Heater with Heat Pump Water Heater	Yes	1,618	0.0	0	\$260	\$2,900	\$0	\$2,900	11.2	1,629
	TOTALS (COST EFFECTIVE MEASURES)			2.0	0	\$1,379	\$7,860	\$580	\$7,280	5.3	8,639
	TOTALS (ALL MEASURES)		8,579	2.0	0	\$1,379	\$7,860	\$580	\$7,280	5.3	8,639

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



COMFORT STATION NORTH & GENERATOR BLDG

#	Energy Conservation Measure	Cost Effective?	Annual Electric Savings (kWh)	Demand Savings	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)		Estimated Incentive (\$)*	Estimated Net M&L Cost (\$)	Payback	CO₂e Emissions Reduction (lbs)
Lighting Upgrades			878	0.3	0	\$234	\$390	\$60	\$330	1.4	884
ECM 1	Retrofit Fixtures with LED Lamps	Yes	878	0.3	0	\$234	\$390	\$60	\$330	1.4	884
	TOTALS (COST EFFECTIVE MEASURES)				0	\$234	\$390	\$60	\$330	1.4	884
	TOTALS (ALL MEASURES)			0.3	0	\$234	\$390	\$60	\$330	1.4	884

^{* -} 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.



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ADMINISTRATION OFFICE

#	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 (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		5,552	1.7	0	\$965	\$3,870	\$330	\$3,540	3.7	5,591
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	3,722	1.6	0	\$647	\$3,640	\$310	\$3,330	5.1	3,748
ECM 2	Retrofit Fixtures with LED Lamps	Yes	1,830	0.0	0	\$318	\$230	\$20	\$210	0.7	1,843
Lighting	Control Measures		506	0.2	0	\$88	\$1,140	\$140	\$1,000	11.4	510
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	506	0.2	0	\$88	\$1,140	\$140	\$1,000	11.4	510
Unitary	HVAC Measures		3,560	1.1	0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
ECM 4	Install High Efficiency Air Conditioning Units	Yes	3,560	1.1	0	\$619	\$10,700	\$600	\$10,100	16.3	3,585
HVAC Sy	stem Improvements		3,388	0.0	0	\$589	\$380	\$0	\$380	0.6	3,412
ECM 5	Install Programmable Thermostats	Yes	3,388	0.0	0	\$589	\$380	\$0	\$380	0.6	3,412
Domest	c Water Heating Upgrade		106	0.0	0	\$18	\$10	\$0	\$10	0.5	107
ECM 6	Install Low-Flow DHW Devices	Yes	106	0.0	0	\$18	\$10	\$0	\$10	0.5	107
	TOTALS (COST EFFECTIVE MEASURES)		13,113	3.0	0	\$2,279	\$16,100	\$1,070	\$15,030	6.6	13,205
	TOTALS (ALL MEASURES)		13,113	3.0	0	\$2,279	\$16,100	\$1,070	\$15,030	6.6	13,205

^{* -} 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).

COMFORT STATION EAST & WEST

#	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 (\$)	The second second	CO₂e Emissions Reduction (lbs)
Lighting Upgrades			1,531	0.3	0	\$243	\$580	\$120	\$460	1.9	1,541
ECM 1	Retrofit Fixtures with LED Lamps	Yes	1,531	0.3	0	\$243	\$580	\$120	\$460	1.9	1,541
Lighting	Lighting Control Measures		160	0.0	0	\$25	\$300	\$40	\$260	10.3	161
ECM 2	Install Occupancy Sensor Lighting Controls	Yes	160	0.0	0	\$25	\$300	\$40	\$260	10.3	161
	TOTALS (COST EFFECTIVE MEASURES)			0.4	0	\$268	\$880	\$160	\$720	2.7	1,702
	TOTALS (ALL MEASURES)			0.4	0	\$268	\$880	\$160	\$720	2.7	1,702

^{* -} 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.



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CONCESSION BUILDING

#	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 (\$)	Simple Payback Period (yrs)**	CO₂e Emissions Reduction (lbs)
Lighting	Upgrades		1,401	0.8	0	\$208	\$6,040	\$430	\$5,610	27.0	1,411
ECM 1	Install LED Fixtures	No	574	0.3	0	\$85	\$4,250	\$300	\$3,950	46.3	578
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	594	0.5	0	\$88	\$1,530	\$120	\$1,410	16.0	598
ECM 3	Retrofit Fixtures with LED Lamps	Yes	233	0.0	0	\$35	\$260	\$10	\$250	7.2	235
Lighting	Control Measures		164	0.1	0	\$24	\$1,110	\$140	\$970	39.8	166
ECM 4	Install Occupancy Sensor Lighting Controls	No	164	0.1	0	\$24	\$1,110	\$140	\$970	39.8	166
HVAC Sy	stem Improvements		121	0.0	0	\$18	\$50	\$10	\$40	2.2	122
ECM 5	Install Pipe Insulation	Yes	121	0.0	0	\$18	\$50	\$10	\$40	2.2	122
Domesti	c Water Heating Upgrade		98	0.0	0	\$15	\$40	\$0	\$40	2.7	99
ECM 6	Install Low-Flow DHW Devices	Yes	98	0.0	0	\$15	\$40	\$0	\$40	2.7	99
Food Sei	rvice & Refrigeration Measures		1,138	0.0	0	\$169	\$3,070	\$170	\$2,900	17.2	1,146
ECM 7	Refrigerator/Freezer Case Electrically Commutated Motors	Yes	197	0.0	0	\$29	\$370	\$40	\$330	11.3	198
ECM 8	Refrigeration Controls	Yes	941	0.0	0	\$140	\$2,700	\$130	\$2,570	18.4	948
	TOTALS (COST EFFECTIVE MEASURES)		2,184	0.5	0	\$324	\$4,950	\$310	\$4,640	14.3	2,200
	TOTALS (ALL MEASURES)		2,923	0.9	0	\$434	\$10,310	\$750	\$9,560	22.0	2,943

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BATH HOUSE

#	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 (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		1,734	4.2	0	\$658	\$22,150	\$1,580	\$20,570	31.2	1,746
ECM 1	Install LED Fixtures	No	1,221	2.0	0	\$464	\$18,400	\$1,300	\$17,100	36.9	1,230
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	505	1.3	0	\$192	\$3,220	\$280	\$2,940	15.3	509
ECM 3	Retrofit Fixtures with LED Lamps	No	7	0.9	0	\$3	\$530	\$0	\$530	201.1	7
Lighting	Control Measures		245	0.4	0	\$93	\$1,980	\$240	\$1,740	18.7	247
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	245	0.4	0	\$93	\$1,980	\$240	\$1,740	18.7	247
Domesti	ic Water Heating Upgrade		850	0.0	0	\$323	\$70	\$30	\$40	0.1	856
ECM 5	Install Low-Flow DHW Devices	Yes	850	0.0	0	\$323	\$70	\$30	\$40	0.1	856
	TOTALS (COST EFFECTIVE MEASURES)		1,601	1.7	0	\$608	\$5,270	\$550	\$4,720	7.8	1,612
	TOTALS (ALL MEASURES)		2,829	4.6	0	\$1,075	\$24,200	\$1,850	\$22,350	20.8	2,849

^{* -} 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.



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Interpretive Center, Wallace and Old Dutch Parsonage Historic Sites

#	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 (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting	Upgrades		1,313	1.5	0	\$318	\$2,250	\$230	\$2,020	6.3	1,290
ECM 1	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	No	96	0.4	0	\$23	\$620	\$70	\$550	23.6	94
ECM 2	Retrofit Fixtures with LED Lamps	Yes	1,217	1.1	0	\$295	\$1,630	\$160	\$1,470	5.0	1,196
Lighting Control Measures			139	0.1	0	\$34	\$660	\$80	\$580	17.2	137
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	139	0.1	0	\$34	\$660	\$80	\$580	17.2	137
Gas Hea	ting (HVAC/Process) Replacement		0	0.0	5	\$71	\$2,600	\$500	\$2,100	29.7	591
ECM 4	Install High Efficiency Furnaces	No	0	0.0	5	\$71	\$2,600	\$500	\$2,100	29.7	591
Domest	ic Water Heating Upgrade		25	0.0	0	\$6	\$10	\$0	\$10	1.7	25
ECM 5	Install Low-Flow DHW Devices	Yes	25	0.0	0	\$6	\$10	\$0	\$10	1.7	25
	TOTALS (COST EFFECTIVE MEASURES)			1.2	0	\$335	\$2,300	\$240	\$2,060	6.2	1,357
	TOTALS (ALL MEASURES)			1.5	5	\$429	\$5,520	\$810	\$4,710	11.0	2,042

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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 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

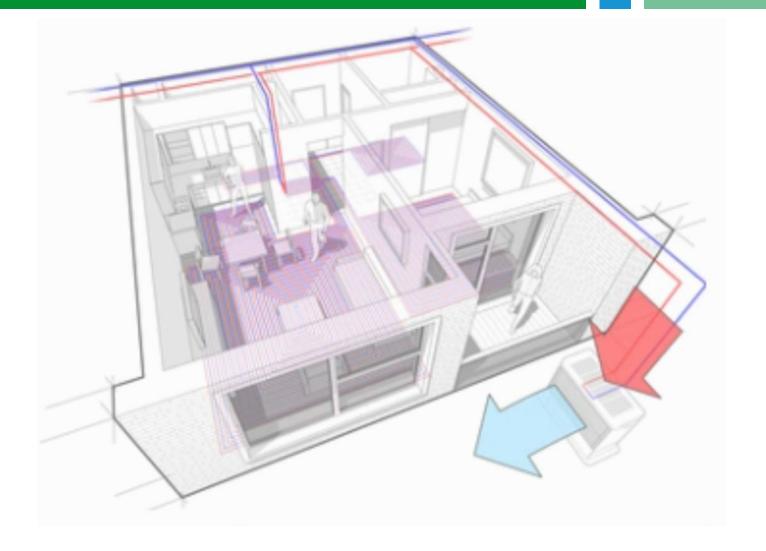
- Laboratory and Medical Equipment
- Water Metering and Submetering
- Vehicle Washing
- Single Pass Cooling System
- Landscaping and Irrigation
- On-Site Alternative Water Sources

See individual reports for specific Water Best Practices by building



MEASURES FOR FUTURE CONSIDERATION

- Upgrade to a Heat Pump System
- VRF Systems





EV CHARGING STATION POTENTIAL

NJCleanEnergy.com/EV

Know your EV Charging Stations







LEVEL 1



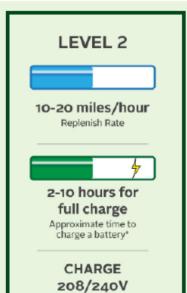
4-6 miles/hour Replinish Rate

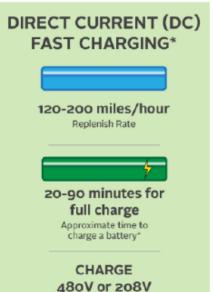


7-30 hours for full charge

Approximate time to charge a battery*

> CHARGE 110/120V





	Round Valley Recreational Area
Potential:	Existing / Medium



FINANCING MECHANISM: ESIP

NJCleanEnergy.com/ESIP

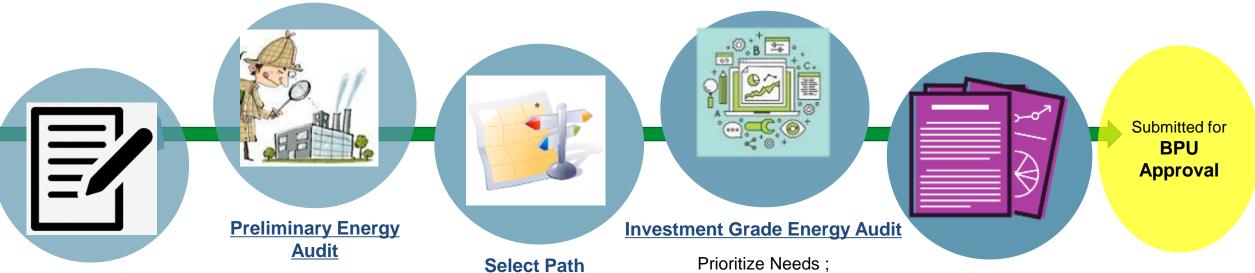
ENERGY SAVINGS IMPROVEMENT PROGRAM (ESIP)

- 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



ESIP Intake Form

Get informed; Begin the process Free LGEA

or

other ASHRAE Level II Audit

ESCO, Hybrid or DIY Model; Local Public Contract Law **Public School Contract Law** Compliance

Select Project's ECM's

Energy Savings Plan

Must be Cash Flow Positive; **Purchase Savings Guarantee?** Third Party Verification



ENERGY SAVINGS IMPROVEMENT PROGRAM

NJCleanEnergy.com/ESIP

FOR MORE INFORMATION

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STATE FACILITIES INITIATIVE (SFI)

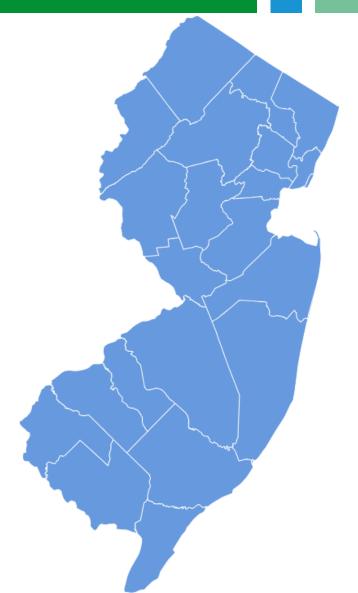
The State Facilities Initiative (SFI)

This program is for State-owned facilities.

The program identifies and implements Energy Efficiency projects in State-owned facilities or State-sponsored projects with the objective of producing energy and cost savings. The funding provided to the SFI is directly in line with EMP Goals 3.3.5 and 4.1.1.

EMP Goal 3.3.5 seeks to "[i]mprove energy efficiency in, and retrofit state buildings to, a high performance standard."

EMP Goal 4.1.1 addresses electrifying State facilities.



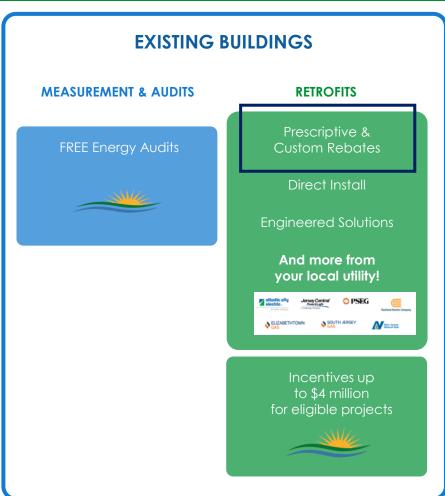
C&I ENERGY EFFICIENCY PROGRAMS

NJCleanEnergy.com

LOCAL GOVERNMENT CUSTOMERS

COMMERCIAL & INSTITUTIONAL CUSTOMERS

LARGE ENERGY CUSTOMERS

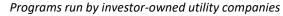
















UTILITY RUN ENERGY EFFICIENCY PROGRAMS*

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

- 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

ENERGY MANAGEMENT:

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

Utility Run Energy Efficiency Programs

JCP&L

PSE&G

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