

New Jersey's Clean Energy Program

LG&E Presentation

Bancroft

July 27, 2020



INTRODUCTIONS

- **Bancroft**

- Merrie Winston
- Danielle Juricic
- Steven Hitzel
- Mark Alessandrini
- Tyrone Steele
- Carol Martella
- Gary Kanefsky

- **NJ Clean Energy Program**

- Aimee Lalonde – Program Manager
- Sarah Landis – Auditor
- Sarah Walters – Account Manager
- Greg Reinert – TRC Outreach Manager
- Tony O'Donnell – TRC Outreach Manager
- Michelle Rossi – ESIP Coordinator (BPU)
- Arif Welcher – Government/Business Manager (BPU)



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 Bancroft



LGEA PROCESS

- Application Approval
- Scheduling Call
- Audit
- Benchmarking & Analysis
- Draft Report
- LGEA Presentation
- Final Report

SITE VISIT & UTILITY ANALYSIS

Overview of Systems, Baseline & Existing Conditions:

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

Utility Consumption:

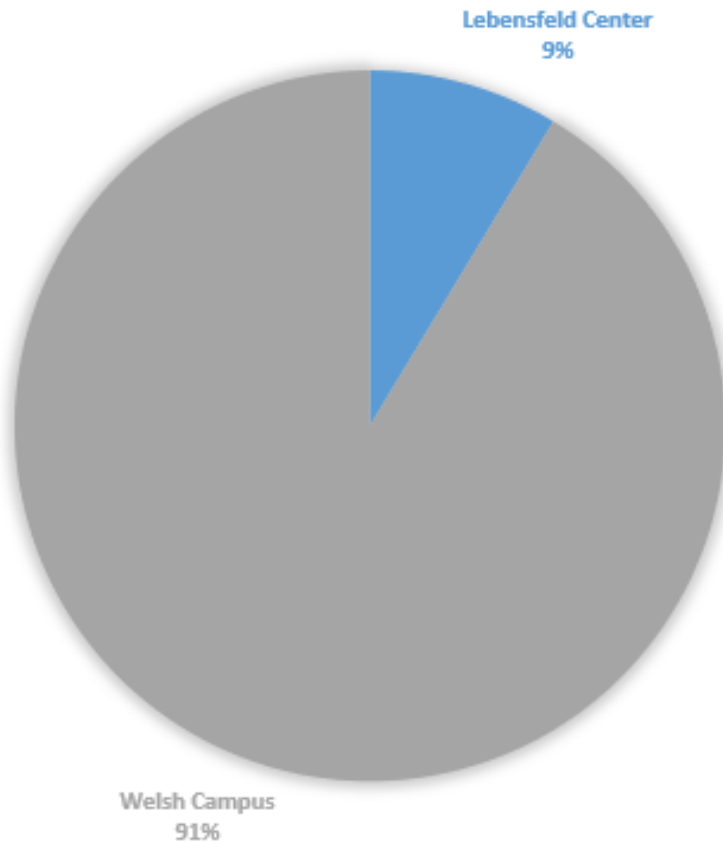
- Electric Consumption and Costs
- Natural Gas Consumption and Costs

Sites Visited/Analyzed

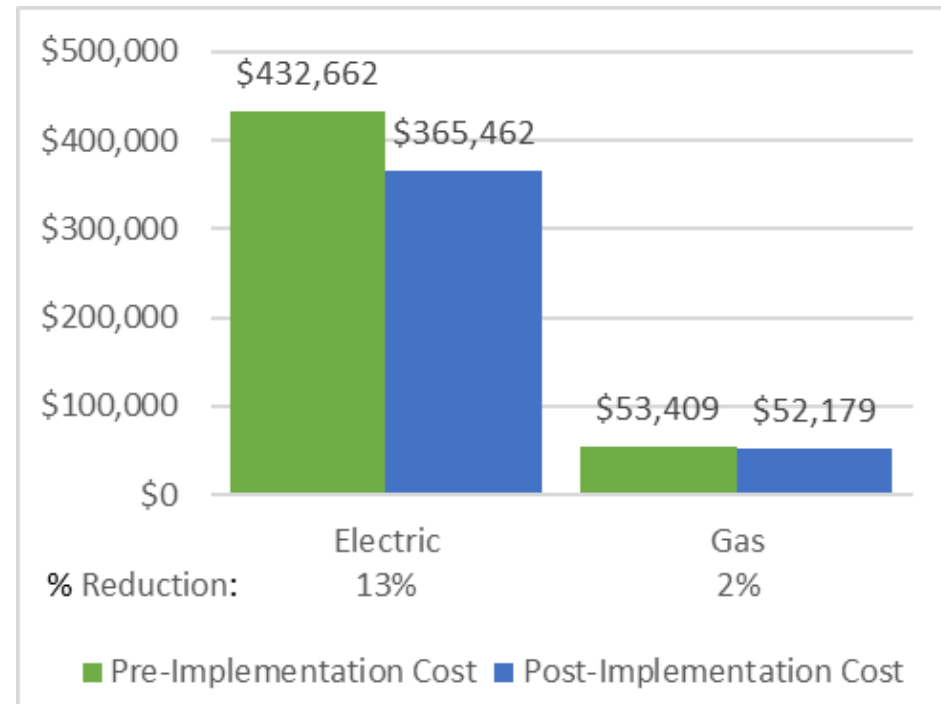
- Lebensfeld Center
- Welsh Campus
 - Bancroft School/Activity Center
 - Linden Admin Building
 - Facilities Building
 - Residence Hall Linden 100
 - Residence Hall Linden 200
 - Residence Hall Linden 300
 - Residence Hall Transitional 400
 - Residence Hall Transitional 500
 - Residence Hall Transitional 600
 - Residence Hall Transitional 700
 - Greenhouse

UTILITY BREAKOUT

Percent of Total Annual Energy Costs

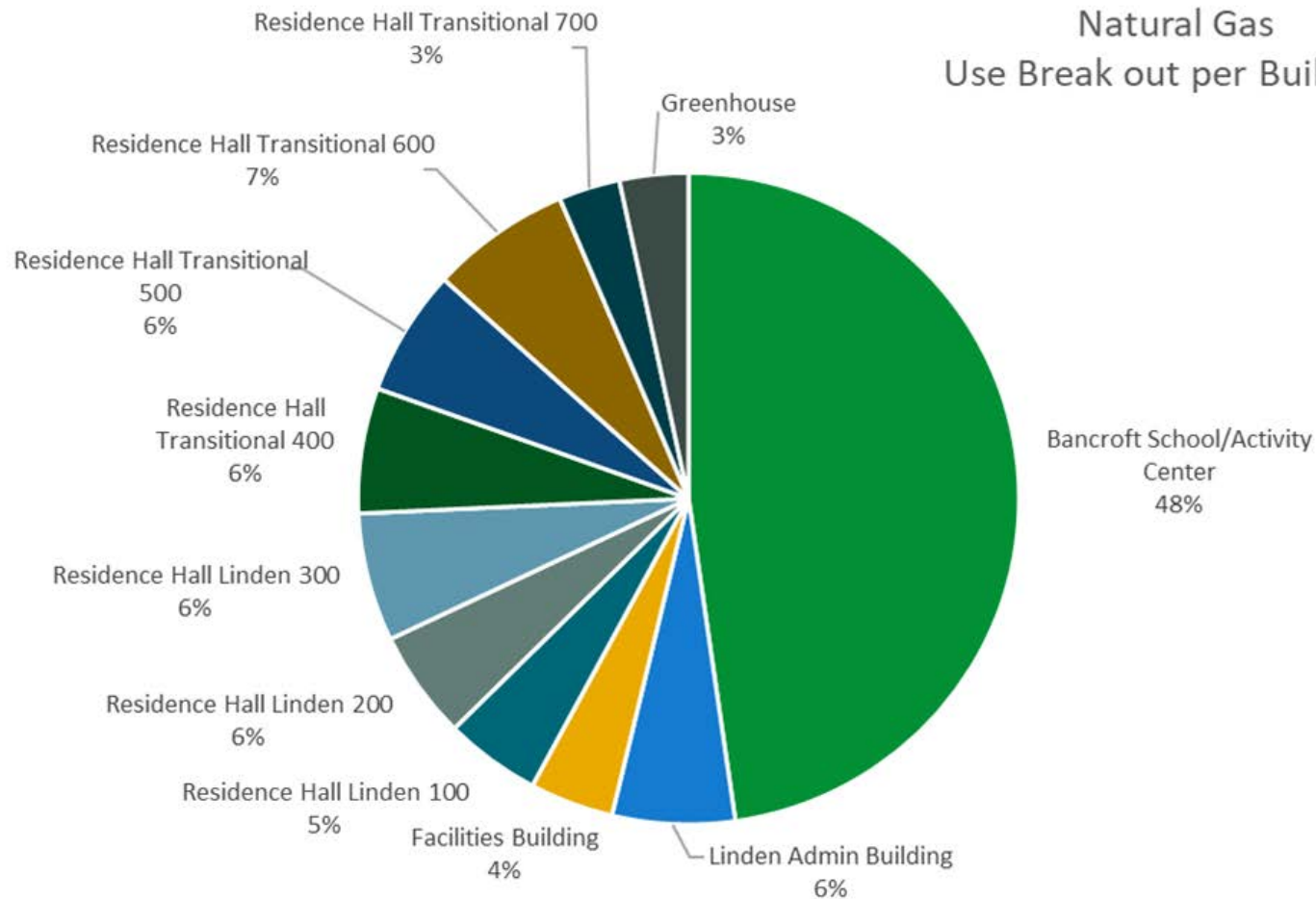


Pre & Post Implementation Cost

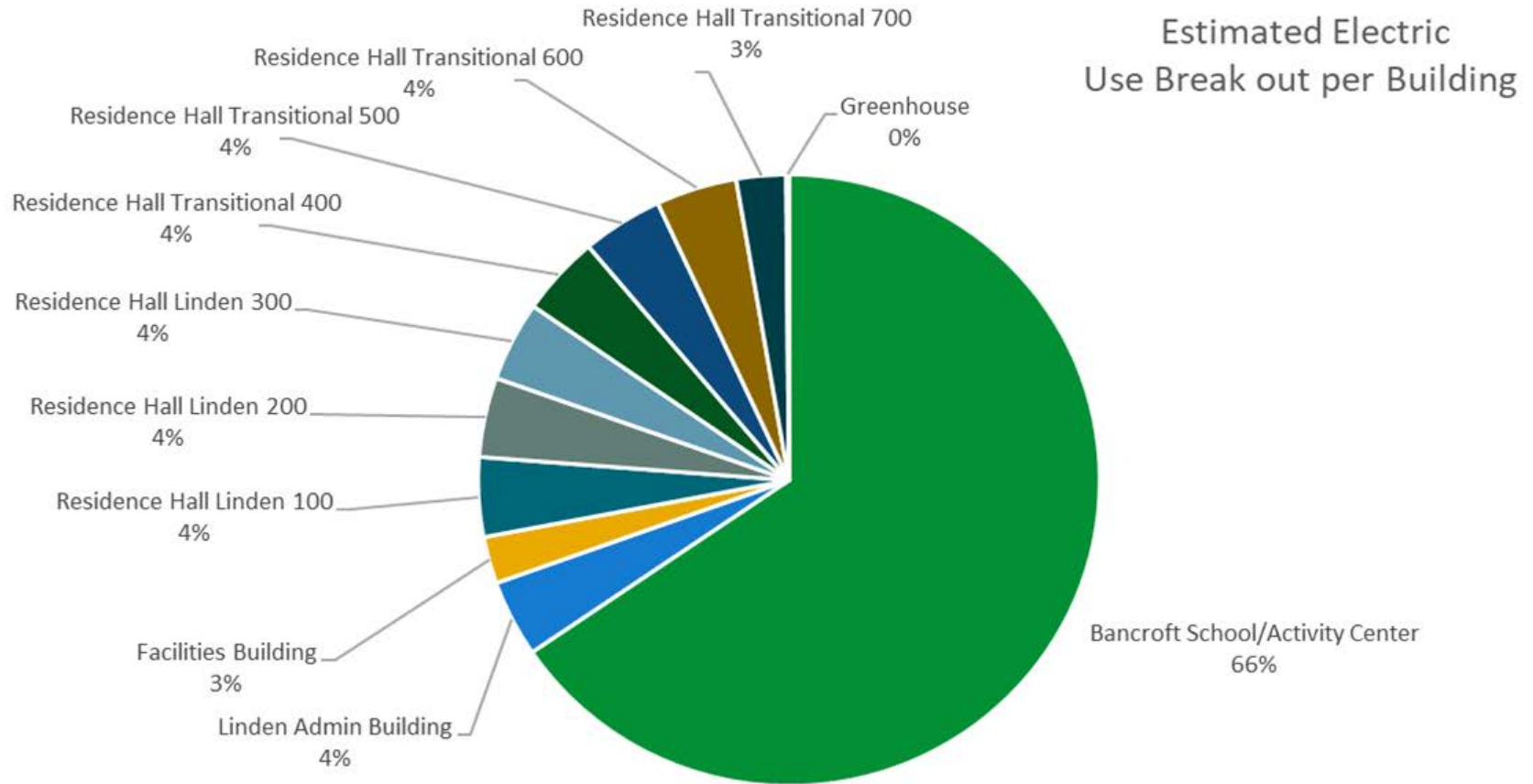


WELSH CAMPUS - UTILITY BREAKOUT


Natural Gas
Use Break out per Building



WELSH CAMPUS - UTILITY BREAKOUT



BENCHMARKING



ENERGY STAR® Statement of Energy Performance

63
ENERGY STAR® Score¹

Bancroft School - Lebensfeld Center

Primary Property Type: K-12 School
Gross Floor Area (ft²): 20,600
Built: 1950

For Year Ending: January 31, 2019
Date Generated: June 16, 2020

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 Bancroft School - Lebensfeld Center 201 Kings Hwy South Cherry Hill, New Jersey 08034	Property Owner Bancroft 1255 Caldwell Road Cherry Hill, NJ 08034 (856) 210-8243	Primary Contact Merrie Winston 1255 Caldwell Road Cherry Hill, NJ 08034 (856) 210-8243 merrie.winston@bancroft.org
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Property ID: 10782884

Energy Consumption and Energy Use Intensity (EUI)

Site EUI 65 kBtu/ft²	Annual Energy Intensity Electric - Site (kBtu) 980,292 (72%) Natural Gas (kBtu) 370,137 (28%)	National Median Comparison National Median Site EUI (kBtu/ft²) 74.1 National Median Source EUI (kBtu/ft²) 170.8 % Diff from National Median Source EUI -12%
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Source EUI
149.9 kBtu/ft²

Site EUI
65 kBtu/ft²

Source EUI
149.9 kBtu/ft²

National Median Comparison

National Median Site EUI (kBtu/ft²)	74.1
National Median Source EUI (kBtu/ft²)	170.8
% Diff from National Median Source EUI	-12%

Signature & Stamp of Verifying Professional

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

LP Signature: _____ Date: _____

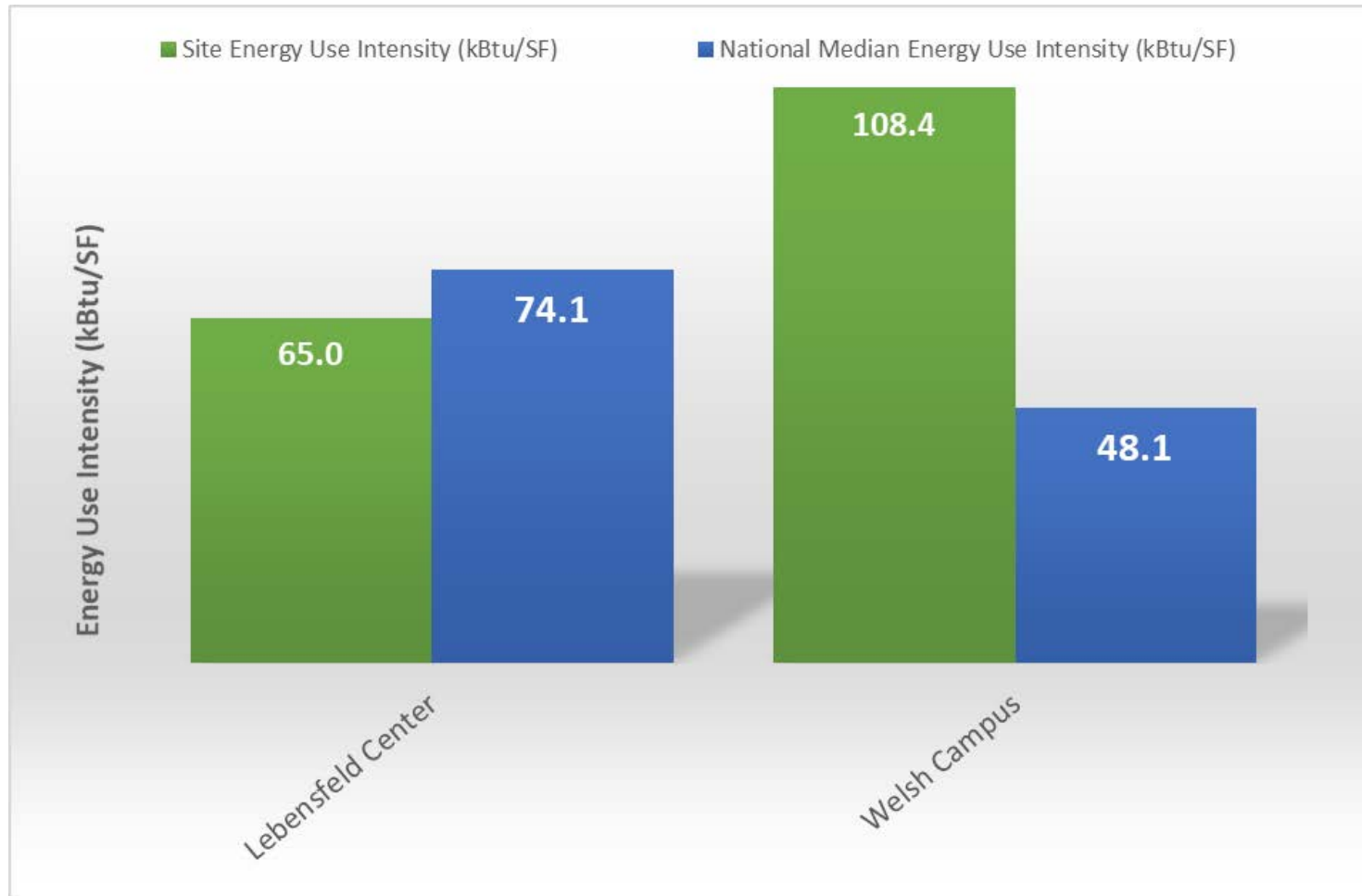
Licensed Professional

Professional Engineer or Registered Architect Stamp (If applicable)

Site Name	ENERGY STAR® Score
Lebensfeld Center	63
Welsh Campus	N/A

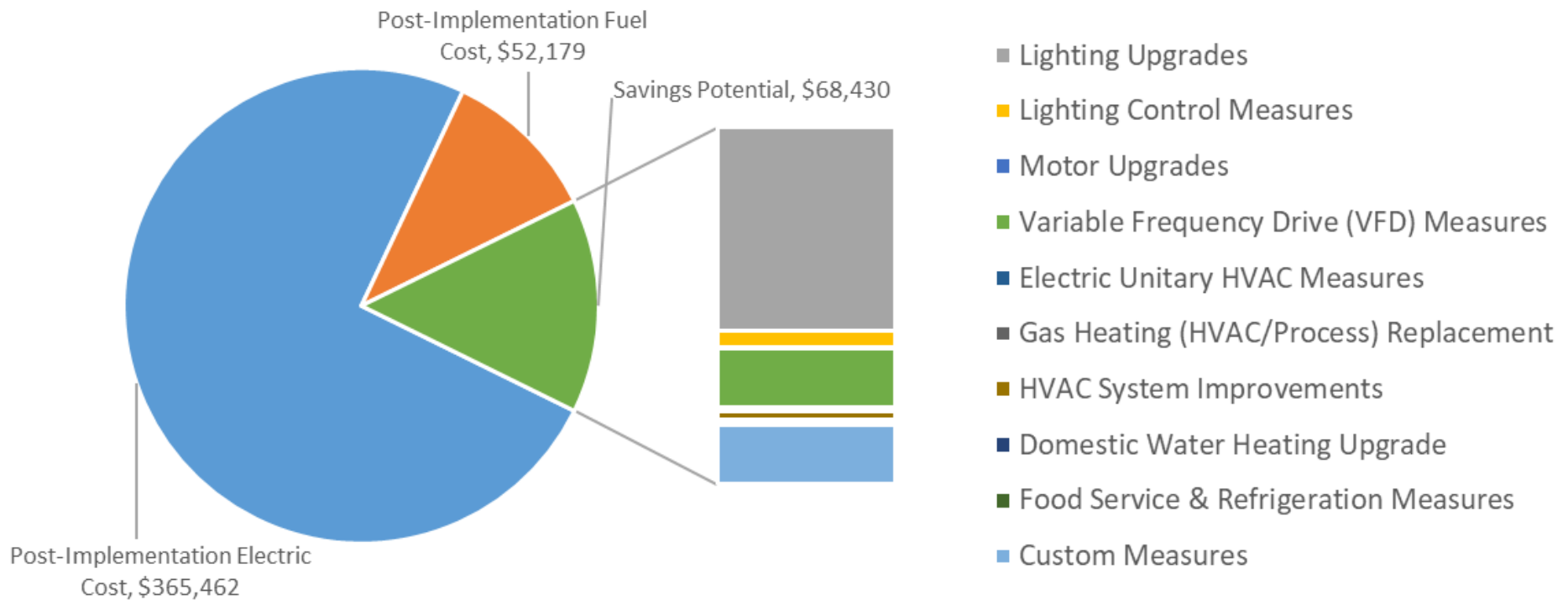
ENERGY STAR® scores are percentile ranking from 1 (least efficient) to 100 (most efficient). It compares your building's energy performance to similar buildings nationwide.

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 Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades		363,051	53.9	-72.2	\$40,779	\$119,321	\$28,690	\$90,631	2.2	357,135
ECM 1	Install LED Fixtures	43,946	3.7	-4.8	\$4,926	\$25,852	\$5,790	\$20,062	4.1	43,689
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	60,343	9.6	-12.6	\$8,123	\$14,826	\$2,345	\$12,481	1.5	59,288
ECM 3	Retrofit Fixtures with LED Lamps	258,762	40.6	-54.8	\$27,730	\$78,642	\$20,555	\$58,087	2.1	254,157
Lighting Control Measures		26,556	3.8	-5.3	\$3,281	\$28,570	\$3,980	\$24,590	7.5	26,126
ECM 4	Install Occupancy Sensor Lighting Controls	18,451	3.3	-3.9	\$2,197	\$23,220	\$2,905	\$20,315	9.2	18,124
ECM 5	Install Daylight Dimming/Photocell Controls	3,025	0.1	-0.3	\$400	\$3,100	\$340	\$2,760	6.9	3,011
ECM 6	Install High/Low Lighting Controls	5,080	0.4	-1.1	\$684	\$2,250	\$735	\$1,515	2.2	4,991
Motor Upgrades		287	0.1	0.0	\$39	\$1,153	\$0	\$1,153	29.4	289
ECM 7	Premium Efficiency Motors	287	0.1	0.0	\$39	\$1,153	\$0	\$1,153	29.4	289
Variable Frequency Drive (VFD) Measures		100,889	11.1	65.4	\$11,738	\$179,835	\$2,600	\$177,235	15.1	109,250
ECM 8	Install VFD on Variable Air Volume (VAV) Fans	7,698	2.5	0.0	\$1,051	\$25,288	\$650	\$24,638	23.4	7,752
ECM 9	Install VFDs on Constant Volume (CV) Fans	37,478	5.7	0.0	\$4,145	\$79,805	\$1,650	\$78,155	18.9	37,740
ECM 10	Install VFDs on Pool Water Pumps	46,440	2.9	0.0	\$4,924	\$64,959	\$0	\$64,959	13.2	46,765
ECM 11	Install VFDs on Kitchen Hood Fan Motors	9,273	0.0	65.4	\$1,618	\$9,783	\$300	\$9,483	5.9	16,994
Electric Unitary HVAC Measures		3,316	3.8	0.0	\$453	\$40,841	\$1,656	\$39,185	86.5	3,339
ECM 12	Install High Efficiency Air Conditioning Units	3,316	3.8	0.0	\$453	\$40,841	\$1,656	\$39,185	86.5	3,339

ALL OPPORTUNITIES

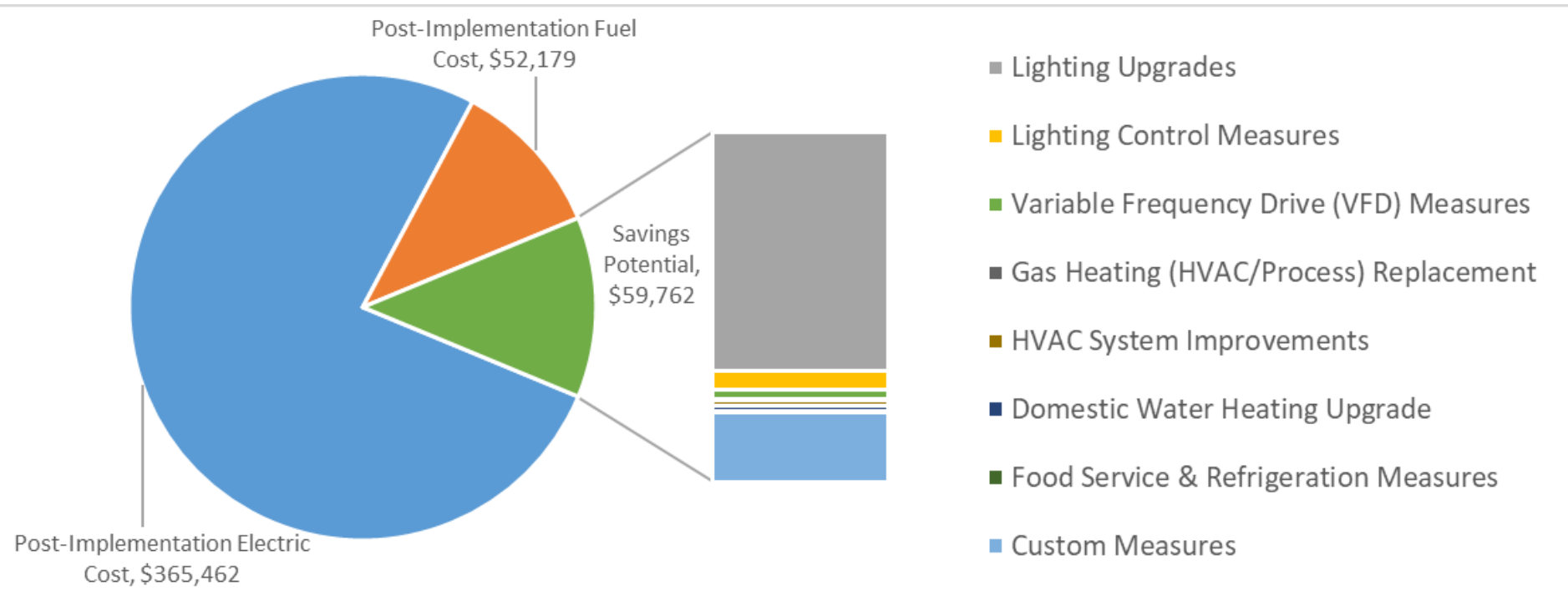
#	Energy Conservation Measure	Annual Electric Savings (kWh)	Peak Demand Savings (kW)	Annual Fuel Savings (MMBtu)	Annual Energy Cost Savings (\$)	Estimated Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Gas Heating (HVAC/Process) Replacement		0	0.0	49.6	\$478	\$21,069	\$3,600	\$17,469	36.6	5,809
ECM 13	Install High Efficiency Hot Water Boilers	0	0.0	15.3	\$149	\$9,394	\$1,000	\$8,394	56.5	1,792
ECM 14	Install High Efficiency Furnaces	0	0.0	10.3	\$96	\$8,338	\$1,600	\$6,738	70.3	1,206
ECM 15	Install Infrared Heaters	0	0.0	24.0	\$233	\$3,337	\$1,000	\$2,337	10.0	2,810
HVAC System Improvements		8,807	0.0	52.4	\$1,542	\$14,516	\$18	\$14,498	9.4	15,007
ECM 16	Install Programmable Thermostats	3,584	0.0	34.9	\$819	\$4,948	\$0	\$4,948	6.0	7,696
ECM 17	Implement Demand Control Ventilation (DCV)	4,587	0.0	16.2	\$644	\$9,516	\$0	\$9,516	14.8	6,516
ECM 18	Install Pipe Insulation	636	0.0	1.3	\$80	\$52	\$18	\$34	0.4	795
Domestic Water Heating Upgrade		4,796	0.0	37.0	\$860	\$2,352	\$966	\$1,386	1.6	9,166
ECM 19	Install Tankless Water Heater	0	0.0	4.6	\$43	\$784	\$300	\$484	11.4	535
ECM 20	Install Low-Flow DHW Devices	4,796	0.0	32.5	\$818	\$1,568	\$666	\$902	1.1	8,631
Food Service & Refrigeration Measures		1,954	0.2	0.0	\$267	\$460	\$50	\$410	1.5	1,968
ECM 21	Vending Machine Control	1,954	0.2	0.0	\$267	\$460	\$50	\$410	1.5	1,968
Custom Measures		111,527	0.0	0.0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
ECM 22	Electric Sub Metering	111,527	0.0	0.0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
TOTALS		621,184	72.9	127.0	\$71,263	\$508,118	\$41,560	\$466,558	6.5	640,395

* - 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

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 Install Cost (\$)	Estimated Incentive (\$)*	Estimated Net Cost (\$)	Simple Payback Period (yrs)**	CO ₂ e Emissions Reduction (lbs)
Lighting Upgrades		363,051	53.9	-72.2	\$40,779	\$119,321	\$28,690	\$90,631	2.2	357,135
ECM 1	Install LED Fixtures	43,946	3.7	-4.8	\$4,926	\$25,852	\$5,790	\$20,062	4.1	43,689
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	60,343	9.6	-12.6	\$8,123	\$14,826	\$2,345	\$12,481	1.5	59,288
ECM 3	Retrofit Fixtures with LED Lamps	258,762	40.6	-54.8	\$27,730	\$78,642	\$20,555	\$58,087	2.1	254,157
Lighting Control Measures		26,556	3.8	-5.3	\$3,281	\$28,570	\$3,980	\$24,590	7.5	26,126
ECM 4	Install Occupancy Sensor Lighting Controls	18,451	3.3	-3.9	\$2,197	\$23,220	\$2,905	\$20,315	9.2	18,124
ECM 5	Install Daylight Dimming/Photocell Controls	3,025	0.1	-0.3	\$400	\$3,100	\$340	\$2,760	6.9	3,011
ECM 6	Install High/Low Lighting Controls	5,080	0.4	-1.1	\$684	\$2,250	\$735	\$1,515	2.2	4,991
Variable Frequency Drive (VFD) Measures		9,273	0.0	65.4	\$1,618	\$9,783	\$300	\$9,483	5.9	16,994
ECM 11	Install VFDs on Kitchen Hood Fan Motors	9,273	0.0	65.4	\$1,618	\$9,783	\$300	\$9,483	5.9	16,994
Gas Heating (HVAC/Process) Replacement		0	0.0	24.0	\$233	\$3,337	\$1,000	\$2,337	10.0	2,810
ECM 15	Install Infrared Heaters	0	0.0	24.0	\$233	\$3,337	\$1,000	\$2,337	10.0	2,810
HVAC System Improvements		4,220	0.0	36.2	\$899	\$5,000	\$18	\$4,982	5.5	8,491
ECM 16	Install Programmable Thermostats	3,584	0.0	34.9	\$819	\$4,948	\$0	\$4,948	6.0	7,696
ECM 18	Install Pipe Insulation	636	0.0	1.3	\$80	\$52	\$18	\$34	0.4	795
Domestic Water Heating Upgrade		4,796	0.0	32.5	\$818	\$1,568	\$666	\$902	1.1	8,631
ECM 20	Install Low-Flow DHW Devices	4,796	0.0	32.5	\$818	\$1,568	\$666	\$902	1.1	8,631
Food Service & Refrigeration Measures		1,954	0.2	0.0	\$267	\$460	\$50	\$410	1.5	1,968
ECM 21	Vending Machine Control	1,954	0.2	0.0	\$267	\$460	\$50	\$410	1.5	1,968
Custom Measures		111,527	0.0	0.0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
ECM 22	Electric Sub Metering	111,527	0.0	0.0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
TOTALS		521,378	58.0	80.6	\$59,720	\$268,039	\$34,704	\$233,335	3.9	534,460

* - 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).

LEBENSFELD 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 ₂ e Emissions Reduction (lbs)
Lighting Upgrades			97,592	14.6	-18	\$13,159	\$24,884	\$5,940	\$18,944	1.4	96,163
ECM 1	Install LED Fixtures	Yes	10,266	0.0	0	\$1,402	\$2,964	\$1,825	\$1,139	0.8	10,337
ECM 2	Retrofit Fluorescent Fixtures with LED Lamps and Drivers	Yes	60,343	9.6	-13	\$8,123	\$14,826	\$2,345	\$12,481	1.5	59,288
ECM 3	Retrofit Fixtures with LED Lamps	Yes	26,983	5.0	-5	\$3,634	\$7,094	\$1,770	\$5,324	1.5	26,538
Lighting Control Measures			16,869	2.4	-3	\$2,274	\$16,980	\$2,260	\$14,720	6.5	16,613
ECM 4	Install Occupancy Sensor Lighting Controls	Yes	9,092	2.0	-2	\$1,224	\$11,880	\$1,435	\$10,445	8.5	8,933
ECM 5	Install Daylight Dimming/Photocell Controls	Yes	2,697	0.1	0	\$366	\$2,850	\$90	\$2,760	7.5	2,689
ECM 6	Install High/Low Lighting Controls	Yes	5,080	0.4	-1	\$684	\$2,250	\$735	\$1,515	2.2	4,991
Motor Upgrades			287	0.1	0	\$39	\$1,153	\$0	\$1,153	29.4	289
ECM 7	Premium Efficiency Motors	No	287	0.1	0	\$39	\$1,153	\$0	\$1,153	29.4	289
Variable Frequency Drive (VFD) Measures			13,296	4.1	0	\$1,816	\$49,234	\$1,150	\$48,084	26.5	13,389
ECM 8	Install VFD on Variable Air Volume (VAV) Fans	No	7,698	2.5	0	\$1,051	\$25,288	\$650	\$24,638	23.4	7,752
ECM 9	Install VFDs on Constant Volume (CV) Fans	No	5,599	1.5	0	\$765	\$23,946	\$500	\$23,446	30.7	5,638
Electric Unitary HVAC Measures			3,316	3.8	0	\$453	\$40,841	\$1,656	\$39,185	86.5	3,339
ECM 10	Install High Efficiency Air Conditioning Units	No	3,316	3.8	0	\$453	\$40,841	\$1,656	\$39,185	86.5	3,339
Gas Heating (HVAC/Process) Replacement			0	0.0	10	\$96	\$8,338	\$1,600	\$6,738	70.3	1,206
ECM 11	Install High Efficiency Furnaces	No	0	0.0	10	\$96	\$8,338	\$1,600	\$6,738	70.3	1,206
HVAC System Improvements			3,584	0.0	25	\$718	\$4,635	\$6	\$4,629	6.4	6,491
ECM 12	Install Programmable Thermostats	Yes	3,584	0.0	23	\$706	\$4,618	\$0	\$4,618	6.5	6,337
ECM 13	Install Pipe Insulation	Yes	0	0.0	1	\$12	\$17	\$6	\$11	0.9	154
Domestic Water Heating Upgrade			0	0.0	19	\$177	\$935	\$384	\$551	3.1	2,228
ECM 14	Install Tankless Water Heater	No	0	0.0	5	\$43	\$784	\$300	\$484	11.4	535
ECM 15	Install Low-Flow DHW Devices	Yes	0	0.0	14	\$135	\$151	\$84	\$67	0.5	1,693
Food Service & Refrigeration Measures			1,954	0.2	0	\$267	\$460	\$50	\$410	1.5	1,968
ECM 16	Vending Machine Control	Yes	1,954	0.2	0	\$267	\$460	\$50	\$410	1.5	1,968
TOTALS (COST EFFECTIVE MEASURES)			119,999	17.3	18	\$16,552	\$47,110	\$8,340	\$38,770	2.3	122,928
TOTALS (ALL MEASURES)			136,899	25.2	33	\$18,998	\$147,460	\$13,046	\$134,414	7.1	141,687

WELSH CAMPUS

#	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 ₂ e Emissions Reduction (lbs)
Lighting Upgrades			265,459	39.3	-54	\$27,620	\$94,437	\$22,750	\$71,687	2.6	260,972
ECM 1	Install LED Fixtures	Yes	33,680	3.7	-5	\$3,524	\$22,888	\$3,965	\$18,923	5.4	33,352
ECM 2	Retrofit Fixtures with LED Lamps	Yes	231,779	35.7	-49	\$24,096	\$71,549	\$18,785	\$52,764	2.2	227,620
Lighting Control Measures			9,687	1.4	-2	\$1,007	\$11,590	\$1,720	\$9,870	9.8	9,513
ECM 3	Install Occupancy Sensor Lighting Controls	Yes	9,359	1.3	-2	\$973	\$11,340	\$1,470	\$9,870	10.1	9,191
ECM 4	Install Daylight Dimming Controls	Yes	328	0.0	0	\$34	\$250	\$250	\$0	0.0	322
Variable Frequency Drive (VFD) Measures			87,592	7.0	65	\$9,922	\$130,602	\$1,450	\$129,152	13.0	95,861
ECM 5	Install VFDs on Constant Volume (CV) Fans	No	31,879	4.1	0	\$3,380	\$55,859	\$1,150	\$54,709	16.2	32,102
ECM 6	Install VFDs on Pool Water Pumps	No	46,440	2.9	0	\$4,924	\$64,959	\$0	\$64,959	13.2	46,765
ECM 7	Install VFDs on Kitchen Hood Fan Motors	Yes	9,273	0.0	65	\$1,618	\$9,783	\$300	\$9,483	5.9	16,994
Gas Heating (HVAC/Process) Replacement			0	0.0	39	\$382	\$12,731	\$2,000	\$10,731	28.1	4,602
ECM 8	Install High Efficiency Hot Water Boilers	No	0	0.0	15	\$149	\$9,394	\$1,000	\$8,394	56.5	1,792
ECM 9	Install Infrared Heaters	Yes	0	0.0	24	\$233	\$3,337	\$1,000	\$2,337	10.0	2,810
HVAC System Improvements			5,224	0.0	28	\$824	\$9,880	\$12	\$9,868	12.0	8,516
ECM 10	Install Programmable Thermostats	Yes	0	0.0	12	\$113	\$330	\$0	\$330	2.9	1,359
ECM 11	Implement Demand Control Ventilation (DCV)	No	4,587	0.0	16	\$644	\$9,516	\$0	\$9,516	14.8	6,516
ECM 12	Install Pipe Insulation	Yes	636	0.0	0	\$67	\$35	\$12	\$23	0.3	641
Domestic Water Heating Upgrade			4,796	0.0	18	\$683	\$1,418	\$582	\$836	1.2	6,938
ECM 13	Install Low-Flow DHW Devices	Yes	4,796	0.0	18	\$683	\$1,418	\$582	\$836	1.2	6,938
Custom Measures			111,527	0.0	0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
ECM 14	Electric Sub Metering	Yes	111,527	0.0	0	\$11,825	\$100,000	\$0	\$100,000	8.5	112,307
TOTALS (COST EFFECTIVE MEASURES)			401,379	40.7	63	\$43,167	\$220,930	\$26,364	\$194,566	4.5	411,533
TOTALS (ALL MEASURES)			484,285	47.7	94	\$52,264	\$360,658	\$28,514	\$332,144	6.4	498,708

* - 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



MEASURES FOR FUTURE CONSIDERATION

- **Retro-Commissioning Study**
- Upgrade/Replace Energy Management System
- **Installation of an Energy Management System**
- Electric Submeter
- **Ozone Laundry System**
- Pool Heating System Upgrades
- **Automatic Pool Cover Installation**
- Heating System Conversion from Steam to Hot Water
- Upgrade to a Heat Pump System
- Vestibule Revolving Doors
- Window Replacements
- Disaggregate Boiler System

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:

- **Transition Incentive (TI) Program**
- **Community Solar**

SOLAR ENERGY GENERATION POTENTIAL

	Welsh Campus	Lebensfeld Center
<i>Potential:</i>	HIGH	HIGH
<i>System Potential: (kW)</i>	450	60
<i>Electric Generation: (kWh per year)</i>	536,116	71,482
<i>Displaced Cost: (per year)</i>	\$56,840	\$9,760

Transition Incentive (TI) Program:

<https://www.njcleanenergy.com/renewable-energy/programs/transition-incentive-program>

Community Solar Energy Pilot Program:

<http://www.NJCleanEnergy.com/CommunitySolar>

RECOMMENDED NJCEP INCENTIVES PER BUILDING

	Direct Install	SmartStart	CTEEP
Lebensfeld Center	X	X	X
Welsh Campus		X	X



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, or
- \$250,000 entity cap

DIRECT INSTALL

NJCleanEnergy.com/DI

Eligible facilities:

INCENTIVE FUNDING

Up to **70%** of installed cost is paid directly to the contractor

CUSTOMER

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

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**

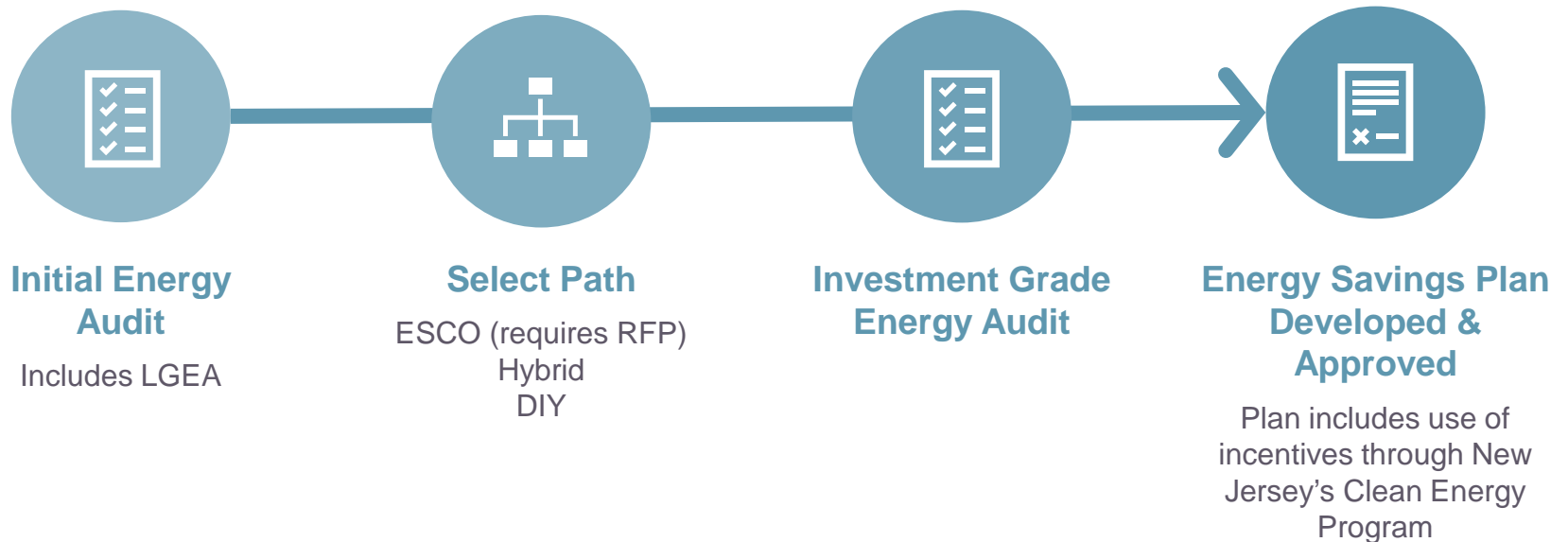
FINANCING MECHANISM: ESIP

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

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New Jersey's
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QUESTIONS

