

New Jersey Office of Clean Energy Direct Install Program Energy Assessment Tool (V3.0d)



General Project Information

Participating Customer:	Brick BOE	
Contractor / Project #:	Hutchinson	
Facility Name:	Veterans Memorial Elementary School	
Street Address:	103 Hendrickson Ave.	
City / Zip Code:	Brick	08724
Is this facility publicly owned?:	Y	
BOE, MUA or other public entity property?:	Y	

Facility Type:	Education - Primary School	
HVAC Type:	AC & Gas Heat	
Total Facility Square Footage:	55,000	
Avg Weekly Hrs of Operation:	60	
# of Full-Time Employees:	100	
Year Constructed:	1970	
Tax Exempt?:	Y	
Project Permitting Costs:		

Electric Utility Information

Electric Provider:	Jersey Central Power & Light	
Service Class:	GSS3	
Account #:	100 047 201 825	
Billing Period Start Date:	02/15/18	
Billing Period End Date:	03/15/18	
Billing Period kWh Consumption:	39,120	
Billing Period Total Cost:	\$5,132.61	
Total Taxes + Fees on Bill:	\$281.23	
Electric - Average Cost (\$/kWh):	\$0.124	

Gas Utility Information

Gas Provider:	New Jersey Natural Gas	
Service Class:	Monthly 006CNN2G	
Account #:	08 3520 0535 21	
Billing Period Start Date:	11/14/18	
Billing Period End Date:	12/17/18	
Billing Period Therm Consumption:	7,685	
Billing Period Total Cost:	\$3,979.26	
Total Taxes + Fees on Bill:	\$52.17	
Gas - Average Cost (\$/Therm):	\$0.511	

Oil Information

Annual Consumption (Gallons):	
Annual Cost:	
Annual Taxes + Fees on Bill:	
Oil - Average Cost (\$/Gallon):	\$0.000

Propane Information

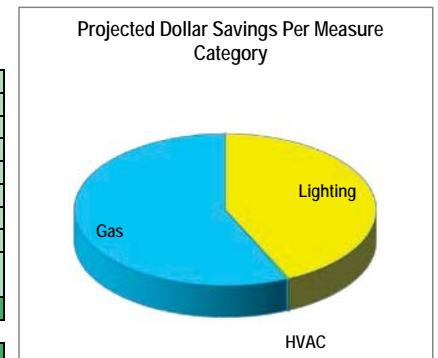
Annual Consumption (Gallons):	
Annual Cost:	
Annual Taxes + Fees on Bill:	
Propane - Average Cost (\$/Gallon):	\$0.000

Project Summary

	Annual Energy Savings	Energy Units	Annual Cost Savings	Total Measure Cost	Estimated Incentive Amount	Total Cost to Customer
Lighting Measures Total:	38,551	kWh	\$4,780.78	\$42,246.12	\$17,687.21	\$24,558.91
Motors & VFD Measures Total:	0	kWh	\$0.00	\$0.00	\$0.00	\$0.00
HVAC Electric Measures Total:	242	kWh	\$30.07	\$8,110.00	\$3,395.42	\$4,714.58
Refrigeration Measures Total:	0	kWh	\$0.00	\$0.00	\$0.00	\$0.00
ELECTRIC MEASURES:	38,793	kWh	\$4,810.84	\$50,356.12	\$21,082.62	\$29,273.50
GAS MEASURES:	12,320	Therms	\$6,295.75	\$151,891.14	\$63,592.35	\$88,298.79
OIL MEASURES:	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL PROPANE MEASURES:	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00
CONVERSION MEASURES (OIL):	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00
CONVERSION MEASURES GAS:	0	Therms	\$0.00	\$0.00	\$0.00	\$0.00
COMBINED PROJECT TOTALS:			\$11,106.59	\$202,247.26	\$84,674.97	\$117,572.29

SIMPLE PAYBACK (YEARS): 10.59

PROJECT TRC TEST: 1.54





**DIRECT INSTALL PROGRAM
PARTICIPATION AGREEMENT
SCOPE OF WORK ATTACHMENT**

“Parties”:				
Participating Customer*:	Brick BOE			
Participating Contractor*:	Hutchinson			
Facility Name*:	Veterans Memorial Elementary School			
Facility Address:	103 Hendrickson Ave.	Brick ,	NJ	08724
	<small>Street</small>	<small>City</small>		<small>Zip</small>
<small>*as listed on Application</small>				

When fully signed, this Scope of Work Attachment (“Attachment”) shall become part of the Direct Install Program Participation Agreement (“Participation Agreement”) previously executed by the Parties in connection with the installation of energy efficiency retrofit Measures to be performed by the Participating Contractor (or “Contractor”) at the above listed Facility. This Attachment, together with the Participation Agreement shall constitute the full Agreement between the Parties. Terms capitalized herein are defined in the Participation Agreement.

The Participating Customer (or “Customer”) agrees to have Contractor perform retrofit work in connection with the Measures listed on page 2 of this form (attached). In consideration of the Contractor’s performance of such work, Customer agrees to pay Contractor based on the measure costs listed below under Customer Unit Cost for the number of completed units for each Measure upon receipt of invoice; provided the Contractor may collect a deposit from Customer prior to performing such work, in which case the final invoice shall be net of such deposit. Customer and Contractor understand that conditions discovered during installation may require that some measures identified in the energy assessment cannot be installed, or some areas may require additional measures/quantities to be installed. Should conditions in the field dictate that the Estimated Program Total Cost shown on page 2 increase by more than 10%, Contractor must obtain both Program Administrator and Customer written approval in the form of an amended Scope of Work Attachment before proceeding with such additional work.

By signing below, the Parties agree the above listed Measures shall be installed by the Contractor. The Customer shall pay the Contractor as described herein following Completion and Acceptance of Measures. Customer certifies that he/she has the authority to contract for retrofit work in the Facility in connection with the Measures listed and, if the Customer does not own the Facility, the Owner has granted permission to Customer for performance of such work.

Participating Customer Date

Participating Contractor Date

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Scope of Work

The work to be performed by the Participating Contractor in connection with the Project shall be comprised of the below listed Measures in the estimated quantities listed:

<u>Measure Description / Location</u>	<u>Quantity To Be Installed</u>	<u>Total Measure Cost</u>	<u>Estimated Customer Total Cost</u>	<u>Estimated Incentive Amount</u>
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Kitchen	11	\$ 1,001.99	\$ 582.49	\$ 419.50
Fixture Replacement: LED High/Low Bay (90 - 480W): 110 W / Gym	12	\$ 4,046.76	\$ 2,352.50	\$ 1,694.26
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 11	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 12	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 13	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 14	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 15	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 16	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 17	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 18	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Boys	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 1	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 2	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 19	17	\$ 1,058.59	\$ 615.39	\$ 443.20
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 19	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 3	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 20	18	\$ 1,120.86	\$ 651.59	\$ 469.27
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 20 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 4	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 4 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 21	18	\$ 1,120.86	\$ 651.59	\$ 469.27
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 21 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 5	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 5 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 6	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 6 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 3-Lamp - 4-Foot T8 (Stand. - 12W) / Room 101	12	\$ 950.88	\$ 552.77	\$ 398.11
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 101 Restroom	1	\$ 69.46	\$ 40.38	\$ 29.08
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 101 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 3-Lamp - 4-Foot T8 (Stand. - 12W) / Room 102	12	\$ 950.88	\$ 552.77	\$ 398.11
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 102 Restroom	1	\$ 69.46	\$ 40.38	\$ 29.08
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 102 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Room 107	6	\$ 546.54	\$ 317.72	\$ 228.82
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 107 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Room 105	12	\$ 1,093.08	\$ 635.44	\$ 457.64
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 105 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Room 103	12	\$ 1,093.08	\$ 635.44	\$ 457.64
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 103 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Room 104	12	\$ 1,093.08	\$ 635.44	\$ 457.64
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 104 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 4-Lamp - 4-Foot T8 (Stand. - 12W) / Room 106	12	\$ 1,093.08	\$ 635.44	\$ 457.64
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Room 106 White Board	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 22	13	\$ 809.51	\$ 470.59	\$ 338.92

Savings values are estimates. Actual savings will vary.
 Incentives and participation subject to program rules and Participation Agreement.

Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 23	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 24	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 25	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 26	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 27	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 28	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 29	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 7	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 7 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 8	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 8 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 30	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 30 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 10	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 10 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 31	17	\$ 1,058.59	\$ 615.39	\$ 443.20
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Room 9	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 9 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Main Office	13	\$ 809.51	\$ 470.59	\$ 338.92
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Main Office	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Main Office Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Principal Office	4	\$ 277.84	\$ 161.52	\$ 116.32
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Principal Office	1	\$ 62.27	\$ 36.20	\$ 26.07
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / Mrs Hale Office	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 3-Lamp - 4-Foot T8 (Stand. - 12W) / SSI Room	3	\$ 237.72	\$ 138.19	\$ 99.53
Relamp/Reballast: Plug & Play LED - 2-Lamp - 4-Foot T8 (Stand. - 12W) / BSI Room	2	\$ 138.92	\$ 80.76	\$ 58.16
Relamp/Reballast: Plug & Play LED - 2-Lamp - 2-Foot T8 / Room 29 Restroom	1	\$ 70.27	\$ 40.85	\$ 29.42
Relamp/Reballast: Plug & Play LED - 1-Lamp - 4-Foot T8 (Stand. - 12W) / Teacher Room	2	\$ 124.54	\$ 72.40	\$ 52.14
Electric Split System A/C (Single-Phase): 5-Tons / ac	1	\$ 8,110.00	\$ 4,714.58	\$ 3,395.42
Gas-Fired Boiler / Boiler 01	1	\$ 71,683.32	\$ 41,671.63	\$ 30,011.69
Gas-Fired Boiler / Boiler 02	1	\$ 71,683.32	\$ 41,671.63	\$ 30,011.69
Low-Flow Aerators (Lavatory) / various	30	\$ 372.00	\$ 216.25	\$ 155.75
Low-Flow Aerators (Kitchen) / various	5	\$ 64.50	\$ 37.50	\$ 27.00
Pipe Wrap Insulation / Boilers	1	\$ 2,212.50	\$ 1,286.19	\$ 926.31
Pipe Wrap Insulation / Boilers	1	\$ 1,942.50	\$ 1,129.23	\$ 813.27
Pipe Wrap Insulation / Boilers	1	\$ 1,335.00	\$ 776.07	\$ 558.93
Pipe Wrap Insulation / Boilers	1	\$ 1,898.00	\$ 1,103.36	\$ 794.64
Pipe Wrap Insulation / Water Heater	1	\$ 700.00	\$ 406.93	\$ 293.07
TOTALS**		\$ 202,247.26	\$ 117,572.29	\$ 84,674.97

**Maximum incentive amount per project is \$125,000. Measures that would qualify the project for funding through the State Energy Program (SEP) are identified above with an 'S'. If any "SEP measures" are included then the total incentive amount for all measures will be paid with SEP funds, otherwise the total incentive amount will come from NJ Clean Energy funds.