

RESOLUTION #16-173

RESOLUTION TO ACCEPT THE NJ CLEAN ENERGY DIRECT INSTALL PROGRAM PROPOSAL TO UPGRADE THE LIGHTING AND HVAC SYSTEM FOR THE WOODBURY PUBLIC WORKS BUILDING LOCATED AT 651 S. EVERGREEN AVENUE

WHEREAS, the *City of Woodbury* desires to accept the proposal from the New Jersey Office of Clean Energy Direct Install Program, in the amount of \$45,612.09 for the purpose of replacing and upgrading the lighting and HVAC system in the Woodbury Public Works Building located at 651 S. Evergreen Avenue; and

WHEREAS, New Jersey Office of Clean Energy Direct Install Program will subsidize 70% of the cost of the total amount proposed, equaling \$31,928.46; and

WHEREAS, the City of Woodbury accepts the responsibility to pay the balance of \$13,683.63 to the pre-qualified state contractor, Hutchinson Mechanical to complete all the work detailed in the proposed scope of work presented to the City's administration on November 22, 2016; and

WHEREAS, New Jersey Office of Clean Energy Direct Install is duly licensed by the New Jersey Board of Public Utilities; and

WHEREAS, the Chief Financial Officer has certified that sufficient funds are available for this purpose in the City of Woodbury Municipal Budget.

NOW, THEREFORE, BE IT RESOLVED, by the Mayor and City Council of the City of Woodbury, County of Gloucester and State of New Jersey on this 27th day of December, 2016, as follows:

1. The Municipal Administrator is hereby authorized and directed to sign the various applications and the agreements relating to the New Jersey Office of Clean Energy Direct Install Program including relevant related documents. The specific terms of the agreement shall be subject to the approval of the City Solicitor.

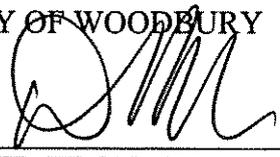
2. The City Engineer shall serve as liaison between Woodbury and the New Jersey Office of Clean Energy, Direct Install, as needed; and the Chief Financial Officer shall maintain a record of the savings realized as a result of this agreement, and shall report same to Woodbury City Council upon request.

3. A copy of this Resolution, the New Jersey Office of Clean Energy Direct Install proposal and Participation Agreement and the certifications of the Chief Financial Officer shall be placed on file in the office of the City Clerk, along with the final executed agreement, and shall be available for public inspection.

ADOPTED at a regular meeting of the Mayor and City Council of the City of Woodbury on December 27, 2016.

CITY OF WOODBURY

By:



DAVID TROVATO,
President of Council

ATTEST:



ROY A. DUFFIELD, City Clerk

**CITY OF WOODBURY
CERTIFICATION AS TO THE AVAILABILITY OF FUNDS
CHIEF FINANCIAL OFFICER**

I CERTIFY AS CHIEF FINANCIAL OFFICER, THAT WITH RESPECT TO THE AWARD OF A CONTRACT OR EXPENDITURE OF FUNDS TO:

Hutchinson Plumbing, Heating & Cooling, LLC

FOR:

Direct Install Clean Energy Program - City portion of Upgrade to DPW Building Lighting & HVAC

RESOLUTION #	<u>16-173</u>	<u>12/27/2016</u>	AMOUNT:	Not-to-exceed <u>\$ 13,683.63</u>
ORDINANCE #	<u> </u>	<u> </u>		

THAT FUNDS ARE AVAILABLE, AS OF THE DATE OF THIS RESOLUTION, FROM THE FOLLOWING:

	<u>Amounts Funded</u>
TEMPORARY BUDGET APPROPRIATION:	
ADOPTED BUDGET APPROPRIATION:	6-01-31-430-271 \$ 13,683.63
DEDICATION BY RIDER:	
RESERVE FOR FEDERAL & STATE GRANT:	
CAPITAL ORDINANCE:	

PO# 16-03276

Dated: December 27, 2016



ROBERT LAW
CHIEF FINANCIAL OFFICER

16-173

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

New Jersey Office of Clean Energy Direct Install Program Energy Assessment Tool (V1.0)



General Project Information

Participating Customer:	WOODBURY PUBLIC WORKS
Contractor / Project #:	Hutchinson
Facility Name:	WOODBURY PUBLIC WORKS
Street Address:	651 S. Evergreen Ave.
City / Zip Code:	Woodbury, NJ
Is this facility publicly owned?:	Y

Facility Type:	Other
Total Facility Square Footage:	4,500
Avg Weekly Hrs of Operation:	60
# of Full-Time Employees:	20
Year Constructed:	1965
Tax Exempt?:	Y
Project Permitting Costs:	

Electric Utility Information

Electric Provider:	PSE&G
Service Class:	GLP
Account #:	65 561 044 18
Billing Period Start Date:	08/26/16
Billing Period End Date:	09/27/16
Billing Period kWh Consumption:	3,966
Billing Period Total Cost:	\$585.98
Total Taxes + Fees on Bill:	\$36.27
Electric - Average Cost (\$/kWh):	\$0.139

Gas Utility Information

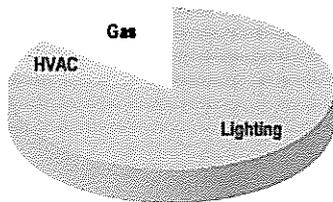
Gas Provider:	PSE&G
Service Class:	GLP
Account #:	65 561 044 18
Billing Period Start Date:	08/26/16
Billing Period End Date:	09/27/16
Billing Period Therm Consumption:	2
Billing Period Total Cost:	\$12.72
Total Taxes + Fees on Bill:	\$12.07
Gas - Average Cost (\$/Therm):	\$0.310

Project Summary

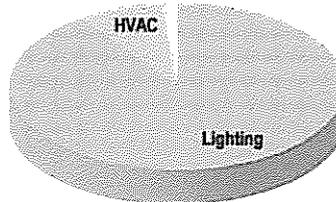
	Annual Energy Savings	Energy Units	Annual Cost Savings	Total Measure Cost	Estimated Incentive Amount	Total Cost to Customer	Simple Payback (Yrs)
Lighting Measures Total:	85,927	kWh	\$11,909.91	\$18,582.04	\$13,007.43	\$5,574.61	0.47
Motors & VFD Measures Total:	0	kWh	\$0.00	\$0.00	\$0.00	\$0.00	0.00
HVAC Electric Measures Total:	8,100	kWh	\$1,122.75	\$20,338.93	\$14,237.25	\$6,101.68	5.43
Refrigeration Measures Total:	0	kWh	\$0.00	\$0.00	\$0.00	\$0.00	0.00
ELECTRIC MEASURES:	94,027	kWh	\$13,032.66	\$38,920.97	\$27,244.68	\$11,676.29	0.90
GAS MEASURES:	551	Therms	\$170.49	\$6,691.12	\$4,683.78	\$2,007.34	11.77
OIL MEASURES:	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00	0.00
TOTAL PROPANE MEASURES:	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00	0.00
CONVERSION MEASURES (OIL):	0	Gallons	\$0.00	\$0.00	\$0.00	\$0.00	0.00
CONVERSION MEASURES GAS:	0	Therms	\$0.00	\$0.00	\$0.00	\$0.00	0.00
COMBINED PROJECT TOTALS:			\$13,203.16	\$45,612.09	\$31,928.46	\$13,683.63	1.04

PROJECT TRC TEST: 1.72

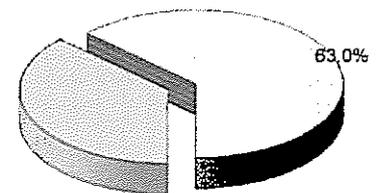
Projected Energy Savings Per Measure Category



Projected Dollar Savings Per Measure Category



Estimated Reduction in Total Energy Consumption





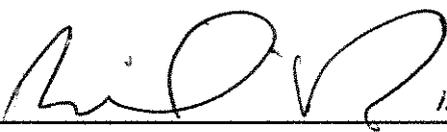
**DIRECT INSTALL PROGRAM
PARTICIPATION AGREEMENT
SCOPE OF WORK ATTACHMENT**

"Parties":			
Participating Customer*:	<u>WOODBURY PUBLIC WORKS</u>		
Participating Contractor*:	<u>Hutchinson</u>		
Facility Name*:	<u>WOODBURY PUBLIC WORKS</u>		
Facility Address:	<u>651 S. Evergreen Ave.</u>	<u>Woodbury, NJ ,</u>	<u>NJ</u>
	Street	City	Zip
*as listed on Application			

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.

	<u>12/28/16</u>	_____	_____
Participating Customer	Date	Participating Contractor	Date
Michael Thross			
Administrator			

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

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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:

Measure Description / Location	Quantity	Total	Estimated	Estimated
	To Be Installed	Measure Cost	Customer Total Cost	Incentive Amount
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / OFFICE BLDG/REC. OFFICE	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / OFFICE 1	2	\$ 190.58	\$ 57.17	\$ 133.41
Relamp: LED - A-Lamp (3 - 25W); 10.5 W / BATHROOM	1	\$ 20.85	\$ 6.26	\$ 14.60
Relamp: Plug & Play LED - 2-Lamp - 4-Foot / FOYER	2	\$ 143.64	\$ 43.09	\$ 100.55
Relamp: LED - A-Lamp (3 - 25W); 10.5 W / CLOSET	1	\$ 20.85	\$ 6.26	\$ 14.60
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / OFFICE 2	2	\$ 190.58	\$ 57.17	\$ 133.41
Relamp: Plug & Play LED - 2-Lamp - 4-Foot / BREAK ROOM	7	\$ 502.74	\$ 150.82	\$ 351.92
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / WATER ROOM	3	\$ 285.87	\$ 85.76	\$ 200.11
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / LOCKER ROOM	1	\$ 95.29	\$ 28.59	\$ 66.70
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / BATHROOM	1	\$ 95.29	\$ 28.59	\$ 66.70
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / MAINT. ROOM	4	\$ 381.16	\$ 114.35	\$ 266.81
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / MAINT. ROOM/OVER COUNTER	1	\$ 95.29	\$ 28.59	\$ 66.70
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / STORAGE ROOM	5	\$ 476.45	\$ 142.94	\$ 333.52
Relamp: Plug & Play LED - 2-Lamp - 4-Foot / STORAGE ROOM	7	\$ 502.74	\$ 150.82	\$ 351.92
Fixture Replacement: LED Exit Sign: 2.3 W / STORAGE	1	\$ 72.90	\$ 21.87	\$ 51.03
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / PW GARAGE/OFFICE 1	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / SHOP	13	\$ 1,239.77	\$ 371.63	\$ 867.14
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / MAIN HALL	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / OFFICE 2	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / HEATER ROOM	1	\$ 95.29	\$ 28.59	\$ 66.70
Relamp: Plug & Play LED - 2-Lamp - 4-Foot / HEATER ROOM	1	\$ 71.82	\$ 21.55	\$ 50.27
Relamp: Plug & Play LED - 3-Lamp - 2-Foot / TRAINING ROOM	4	\$ 335.52	\$ 100.66	\$ 234.86
Relamp: Plug & Play LED - 3-Lamp - 2-Foot / FRONT HALL	2	\$ 167.76	\$ 50.33	\$ 117.43
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / HALL TO GARAGE	2	\$ 190.58	\$ 57.17	\$ 133.41
Relamp: Plug & Play LED - 3-Lamp - 2-Foot / BAY OFFICE	4	\$ 335.52	\$ 100.66	\$ 234.86
Relamp: Plug & Play LED - 3-Lamp - 2-Foot / OFFICE BATHROOM	1	\$ 83.88	\$ 25.16	\$ 58.72
Relamp: Plug & Play LED - 3-Lamp - 2-Foot / OFFICE/FRONT ROOM	2	\$ 167.76	\$ 50.33	\$ 117.43
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / PARTS ROOM	3	\$ 285.87	\$ 85.76	\$ 200.11
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / GARAGE STORAGE	3	\$ 285.87	\$ 85.76	\$ 200.11
Relamp: LED - A-Lamp (3 - 25W); 10.5 W / EXIT FOYER	1	\$ 20.85	\$ 6.26	\$ 14.60
Relamp: Plug & Play LED - 2-Lamp - 4-Foot / TRUCK BAY	29	\$ 2,373.07	\$ 711.92	\$ 1,661.15
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / TRUCK BAY 2	8	\$ 858.16	\$ 257.45	\$ 600.71
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / TRUCK BAY 3	3	\$ 285.87	\$ 85.76	\$ 200.11
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / TIRE MACHINE ROOM	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / HALLWAY CLOSET	1	\$ 95.29	\$ 28.59	\$ 66.70
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / FILE ROOM	3	\$ 285.87	\$ 85.76	\$ 200.11
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / FITNESS	9	\$ 857.61	\$ 257.28	\$ 600.33
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / SIGN ROOM	6	\$ 571.74	\$ 171.52	\$ 400.22
Relamp: Plug & Play LED - 4-Lamp - 4-Foot / PARTS ROOM/HALL TO GARAGE	10	\$ 952.90	\$ 285.87	\$ 667.03
Fixture Replacement: LED Recessed Downlight - 6": 11 W / EXT OFFICE BLDG	3	\$ 321.06	\$ 96.32	\$ 224.74
Fixture Replacement: LED Recessed Downlight - 6": 11 W / FRONT OVERHANG	4	\$ 428.08	\$ 128.42	\$ 299.66
Fixture Replacement: LED Outdoor Wall Mount (14 - 60W): 15 W / WALL/FRONT GATE	1	\$ 157.95	\$ 47.39	\$ 110.57
Fixture Replacement: LED Architectural Flood/Spot (25 - 150W): 150 W / PARKING LOT POLE	2	\$ 987.76	\$ 296.33	\$ 691.43

Savings values are estimates. Actual savings will vary.
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Fixture Replacement: LED Architectural Flood/Spot (25 - 150W): 25 W / EXT ROOF	2	\$ 393.70	\$ 118.11	\$ 275.59
Install Controls: Dual Tech Wall Switch Occupancy Sensor / TRAINING ROOM	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / FRONT HALL	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / BAY OFFICE	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / OFFICE BATHROOM	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / OFFICE/FRONT ROOM	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / FITNESS	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / SIGN ROOM	1	\$ 100.07	\$ 30.02	\$ 70.05
Install Controls: Dual Tech Wall Switch Occupancy Sensor / PARTS ROOM/HALL TO GARAGE	1	\$ 100.07	\$ 30.02	\$ 70.05
Electric Split System A/C (Single-Phase): 3-Tons / R. Side	1	\$ 6,835.00	\$ 2,050.50	\$ 4,784.50
Electric Split System A/C: 7.5-Tons / R. Side	1	\$ 13,503.93	\$ 4,051.18	\$ 9,452.75
Gas-Fired Furnace / Utility Rm	1	\$ 6,691.12	\$ 2,007.34	\$ 4,683.78
TOTALS**		\$ 45,612.09	\$ 13,683.63	\$ 31,928.46

**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.