



Agenda Date: 7/14/11
Agenda Item: 8A

STATE OF NEW JERSEY
Board of Public Utilities
Two Gateway Center, Suite 801
Newark, NJ 07102
www.nj.gov/bpu/

CLEAN ENERGY

IN THE MATTER OF THE CLEAN ENERGY PROGRAM
AUTHORIZATION OF COMMERCIAL AND)
INDUSTRIAL (C&I) PROGRAM ENERGY EFFICIENCY
INCENTIVES EXCEEDING \$300,000 – NEWARK
REFRIGERATED WAREHOUSE)

ORDER

DOCKET NO. EO11060346V

Parties of Record:

Dan Taskila, Newark Refrigerated Warehouse

BY THE BOARD:

The New Jersey Board of Public Utilities' (the "Board") SMARTSTART Buildings Program ("SSBP" or "SMARTSTART"), Direct Install Program and Pay-for-Performance Program offer financial incentives to New Jersey property owners to encourage the installation of energy efficient products and technologies. Eligible applicants may receive incentives for a portion of the cost of installing energy efficient technologies such as lighting, HVAC, water heating or other measures in new or existing buildings.

Newark Refrigerated Warehouse, Newark, NJ, has submitted an application for a monetary incentive in the amount of \$362,674 under the Pay-for-Performance program, for a project located at 104 Avenue C, Newark, NJ. This rebate application, Docket Number EO11060346V, will be receiving an incentive of \$23,000 for the energy reduction plan (ERP); \$202,614 for certain measures (including addition of insulation to the outside walls of the old warehouse, refrigeration system optimization with addition of booster pump with variable frequency drives [VFDs], and the addition of a system to run subcooling of refrigerant returning from the condenser); and an estimated \$137,060 for the one year true up of its ERP. This application has an estimated 38% total energy savings above the base line and will save the customer an annual estimate of 502,289 kWh of electricity, an annual estimated demand reduction of 79 kW, an annual estimate of 9,470 MMBtu of natural gas, and an estimated annual energy cost savings of \$204,755.

TRC, the Market Manager engaged by the Board to manage the New Jersey Clean Energy Program C&I energy efficiency programs, has submitted a certification that the incentive for which TRC now seeks approval to commit have been calculated in accordance with the program policies and procedures, and that the listed amount is the true and accurate estimated

incentive for which the applicant is eligible. Further, Applied Energy Group, in its role as the NJCEP Program Coordinator, has reviewed the application and submitted a certification that the incentive for which TRC now seeks approval to commit has been calculated in accordance with the program policies and procedures, and that the listed amount is the true and accurate estimated incentive for which each applicant is eligible. Based on the above, the Staff recommends that the Board approve the above referenced application.

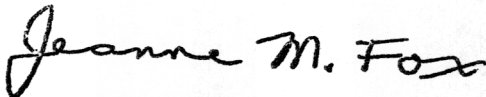
The Board HEREBY ORDERS the approval of the aforementioned application for the incentive amount requested and AUTHORIZES issuance of a standard commitment letter to the applicant identified above, setting forth the terms and conditions of this commitment.

DATED: 7/14/11

BOARD OF PUBLIC UTILITIES
BY:



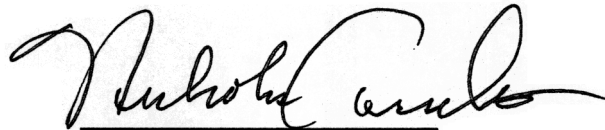
LEE A. SOLOMON
PRESIDENT



JEANNE M. FOX
COMMISSIONER

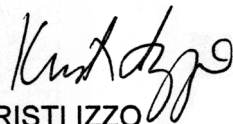


JOSEPH L. FIORDALISO
COMMISSIONER



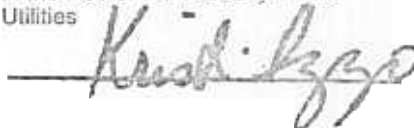
NICHOLAS ASSELTA
COMMISSIONER

ATTEST:



KRISTI IZZO
SECRETARY

I HEREBY CERTIFY that the within document is a true copy of the original in the files of the Board of Public Utilities



IN THE MATTER OF THE CLEAN ENERGY PROGRAM AUTHORIZATION OF COMMERCIAL
AND INDUSTRIAL (C&I) PROGRAM ENERGY EFFICIENCY INCENTIVES EXCEEDING
\$300,000 – NEWARK REFRIGERATED WAREHOUSE
DOCKET NO. EO11060346V

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Dan Taskila
Newark Refrigerated
Warehouse
104 Avenue C
Newark, NJ 07114

**Program Coordinator Certification
(New Incentive Commitments > \$300,000)**

I, Maura Watkins, hereby certify that in its role as Program Coordinator, Applied Energy Group, Inc. has reviewed the referenced below, as required by the policies and procedures applicable to each program, that the standardized equipment incentives for which TRC now seeks approval to commit have been calculated in accordance with those policies and procedures, and that the amount shown below is the true and accurate estimated incentive for which the applicant(s) is(are) eligible.

For incentives based on uniquely calculated estimated energy savings, including the Custom Program and Pay for Performance, Applied Energy Group certifies locating documentation supporting the inputs used to calculate the rebate amount and evidencing TRC's evaluation of those inputs as required by the program's policies and procedures.

Maura H Watkins

By: _____

Date: 06-02-2011

Maura Watkins

Quality Assurance Manager - Applied Energy Group, Inc.

Ref: _____
App # 11282 Newark Refrigerated Warehouse ()

Committed Amount: \$362,674.00

Market Manger Certification
(New Incentive Commitments > \$300,000)

I, Diane M. Zukas, hereby certify that applications on the attached list have been reviewed by TRC or its subcontractors as required by the policies and procedures applicable to each program, that the incentives for which TRC now seeks approval to commit have been calculated in accordance with those policies and procedures, and that the listed amounts are the true and accurate estimated incentives for which each applicant is eligible.

By: *Diane M. Zukas*
Diane M. Zukas, Vice President
Application 11282

Date: June 2, 2011

1 Application Number: 11282

Program Name: Pay for Performance – Existing Buildings

3. Name of applicant: Newark Refrigerated Warehouse

4. Project Address: 104 Avenue C, Newark, NJ 07114

5. Rebate amount:

Incentive #1: \$23,000

Incentive #2: \$202,614

Incentive #3: \$137,060

Total: \$362,674

6. Brief description of measures:

ECM-1: Envelope - Addition of insulation to the outside walls of the old warehouse increasing the R-value from approximately R-15 to R-30.

ECM-2: Refrigeration System Optimization - Addition of booster pump with VFD in series with well water pump to boost flow through brine chiller condensers and plant schedule optimization.

ECM-3: Refrigerant Subcooling - Addition of an economizer function to the refrigeration cycle by installing a plate and frame heat exchanger and well water and refrigerant piping (with associated instrumentation and controls).

7. Annual Estimated Energy Savings:

Annual kWh Savings: 502,289

Annual kW Savings: 79

Annual MMBtu gas Savings: 9,470

8. Annual Estimate Energy Cost Savings: \$204,755