



STATE OF NEW JERSEY
Board of Public Utilities
44 South Clinton Avenue, 9th Floor
Post Office Box 350
Trenton, NJ 08625-0350
www.nj.gov/bpu/

CLEAN ENERGY

IN THE MATTER OF THE CLEAN ENERGY PROGRAM)	ORDER
AUTHORIZATION OF COMMERCIAL AND)	
INDUSTRIAL (C&I) PROGRAM ENERGY EFFICIENCY)	
INCENTIVES EXCEEDING \$300,000)	
)	
SAINT PETER'S COLLEGE)	DOCKET NO. EO12030230V
)	
THE SOMERSET HILLS SCHOOL DISTRICT)	DOCKET NO. EO12030231V

Denton Stargel, VP for Finance and Business, Saint Peter's College
Nancy Lee Hunter, Business Administrator & BOE Secretary, The Somerset Hills School District

BY THE BOARD:

The New Jersey Board of Public Utilities' (the Board) Commercial and Industrial (C&I) Energy Efficiency Program, which is marketed as New Jersey SMARTSTART Buildings Program (SSBP or SMARTSTART), includes the C&I New Construction, C&I Retrofit, Direct Install, Pay-for-Performance New Construction, and Pay-for-Performance Existing Buildings Programs. These programs collectively 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.

Saint Peter's College, Jersey City, NJ, has submitted an application for a monetary amount of \$320,000 under the 2011 Pay for Performance Program – Combined Heat and Power (CHP) component. This rebate application involves the installation of a CHP system on the West Campus of Saint Peter's College, at 111 Glenwood Avenue, Jersey City, NJ. The proposed CHP system will consist of two 160 kW cogeneration systems, and will provide electricity to the main electric account of the West Campus. Heat recovered from the two engines will feed to a new 150-ton hot water driven absorption chiller to provide chilled water for space cooling. During the heating season, recovered waste heat will feed the heating hot water distribution system as well as preheat feed water for boilers. In addition, a portion of the recovered waste heat will provide domestic hot water. The equipment is expected to produce 2,461,560 kWh of

electricity annually and is expected to produce 12,753 MMBtu of heat for cooling, heating, and domestic hot water per year. The project is expected to result in an annual estimated energy cost savings of \$233,149.

The Somerset Hills School District, Bernardsville, NJ, has submitted an application for a monetary incentive in the amount of \$413,753 under the 2010 Pay-for-Performance – Existing Buildings program, for a project located at Bernards High School, 25 Olcott Avenue, Bernardsville, NJ. The first estimated incentive, for the completed Energy Reduction Plan (ERP), is \$12,050. The estimated second incentive, for installation of recommended measures (including lighting [upgrading of existing fluorescent fixtures, new LED screw-ins, installation of compact fluorescent lamps, upgrading of gym lights, and complete replacement of non-LED exit signs with LED technology], commission scheduling of the Energy Management System front end and addition of demand control ventilation to HVAC systems, infiltration reductions to the gas system, installation of occupancy sensors, installation of personal computer (PC) load management, and installation of water conservation measures) is \$240,139; and the estimated third incentive for the one year true up of the ERP, which is based on the post construction benchmarking report is \$161,564. This application has an estimated 23% total energy savings and will save the customer an annual estimate of 687,914 kWh of electricity and an annual estimate of 29,430 therms of natural gas, and will result in an annual estimated demand reduction of 162 kW. Overall, this application will have an estimated annual energy cost savings of \$140,710.


TRC, the Market Manager engaged by the Board to manage the New Jersey Clean Energy Program (NJCEP) C&I energy efficiency programs, has submitted its certifications that the incentives for which TRC now seeks approval to commit have been calculated in accordance with the program policies and procedures, and that the listed amounts are the true and accurate estimated incentives for which the applicants are eligible. Further, Applied Energy Group, Inc. (AEG), in its role as the NJCEP Program Coordinator, has reviewed the Saint Peter's College application and submitted its certification that the incentive for which TRC now seeks approval to commit has been calculated in accordance with the program policies and procedures. On the Somerset Hills School District application, the Office of Clean Energy (OCE) Staff, acting in place of the Program Coordinator, has reviewed the Somerset Hills School District application and submitted its certification to locating documentation supporting inputs used to calculate the within rebate amounts and evidencing TRC's evaluations of those inputs as required by the program's policies and procedures.¹ Staff recommends that the Board approve the above-referenced applications.

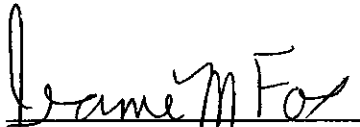
¹ Pursuant to State Contract No. 68922 and consistent with the February 6, 2012 acknowledgment of Conflict of Interest Policy and Procedures by and between Ameresco, Inc.-AEG-OCE under I/M/O Screening Criteria to Prevent Any Conflict of Interest Arising from the Purchase of Applied Energy Group, Inc. by Ameresco, Inc., Dkt No. EO1120902, AEG recused itself from its quality assurance reviewing role on the project. The identified project is contracted out to Ameresco, Inc., the parent corporation with 100% shareholder ownership of AEG, its acquired subsidiary. In lieu of the NJCEP, OCE Staff conducted the quality assurance review.

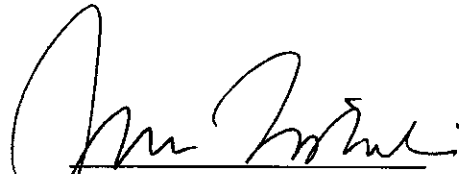
The Board **HEREBY ORDERS** the approval of the aforementioned applications for the total estimated incentive amounts of \$320,000 for Saint Peter's College and \$413,753 for the Somerset Hills School District, and **AUTHORIZES** issuance of a standard commitment letter to the applicants identified above, setting forth the terms and conditions of these commitments.

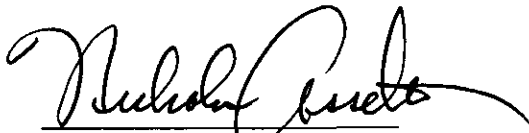
DATED: 4/12/12

BOARD OF PUBLIC UTILITIES
BY:


ROBERT HANNA
PRESIDENT



JEANNE M. FOX
COMMISSIONER


JOSEPH L. FIORDALISO
COMMISSIONER

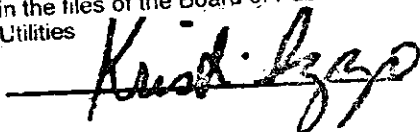

NICHOLAS ASSELTA
COMMISSIONER


MARY-ANNA HOLDEN
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 – SAINT PETER'S COLLEGE AND THE SOMERSET HILLS SCHOOL DISTRICT

DOCKET NOS. EO12030230V & EO12030231V

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**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: 03-05-2012

Maura Watkins

Quality Assurance Manager - Applied Energy Group, Inc.

Ref:

App #

08018CHP

Applicant

St. Peter's College

Payee

St. Peter's College

Committed Amount: \$320,000.00

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
App# 08018CHP

Date: 3/5/12

1. Application Number: 08018CHP
2. Program Name: CHP (part of P4P work scope under app# 08018)
3. Customer Contact (name, company, address, phone #):
Denton Stargel , Vice President for Finance and Business
St. Peter's College
2641 Kennedy Blvd., Jersey City, NJ 07306
201-761-6280
4. Project Name and Address:
St. Peter's College
111 Glenwood Avenue
Jersey City, NJ 07306
5. Rebate amount:
Incentive #1: \$240,000
Incentive #2: \$80,000
Total: \$320,000
6. Brief description:

The proposed combined heat and power (CHP) system will consist of two 160 kW cogeneration systems to be installed in the basement mechanical room of Pope Hall on the West Campus. The two natural gas engines are E160F models manufactured and to be installed by ENER-G Cogen LLC.

These cogeneration units will generate electricity to the main electric account of the West Campus, which provides electricity for Pope Hall, O'Toole Library, Gannon Hall, McDermott Hall, Dinneen Hall, and Yanitelli Recreational Life Center.

Heat recovered from the two engines will feed to a new, 150-ton, hot water driven absorption chiller to provide chilled water to Pope Hall, O'Toole Library, and Gannon Hall for space cooling. During the heating season recovered waste heat will feed the heating hot water distribution system in O'Toole and Pope Hall as well as preheat feed water for boilers serving Pope Hall, Gannon Hall and Yanitelli Recreational Life Center. In addition, a portion of the recovered waste heat will provide domestic hot water to Pope Hall. A new piping loop from Pope Hall to O'Toole Library will be installed to circulate hot and chilled water generated by the waste heat recovery system.

7. Annual Estimated Energy Savings:
Expected Annual Electricity Production: 2,461,560 kWh
Expected Annual Thermal Energy Production: 12,753 MMBtu of heat for cooling, heating, and domestic hot water.
8. Annual Estimate Energy Cost Savings: \$233,149

Market Manager 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
App# 08507

Date: *3/5/12*

1. Application Number: **08507**
2. Program Name: **Pay for Performance- Existing Buildings**
3. Customer Contact (name, company, address, phone #):
Nancy Lee Hunter, Business Administrator and BOE Secretary
The Somerset Hills School District
25 Olcott Avenue
Bernardsville, NJ 07924
908-630-3018
4. Project Name and Address:
Bernards High School
25 Olcott Avenue
Bernardsville, NJ 07924
5. Rebate amount:
Incentive #1: \$12,050
Incentive #2: \$240,139
Incentive #3: \$161,564
Total: \$413,753

6. Brief description of measures

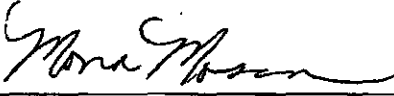
MEASURE ID	MEASURE NAME	MEASURE DESCRIPTION	STATUS	QUANTITY
1	Other Lighting	Existing fluorescent fixtures will be upgraded with the premium T8 system. Recessed cans in the Halls will receive new LED screw-ins. Compact fluorescent lamps will be installed in a wide variety of incandescent fixtures. New T5 high-bays will be installed in the Gym. Exit signs not containing LED technology will be replaced with new LED signs with battery backup.	Not yet selected	1
2	Custom Electric	Commission scheduling of the Energy Management System front end and add demand control ventilation to HVAC systems	Not yet selected	1
3	Custom Gas	Infiltration reductions: Application of weather stripping and sealants to roof penetrations, wall penetrations, roof/wall interface and soffits	Not yet selected	1
4	Custom Electric	Vending Mizers: Installation of occupancy sensors to put vending machines into a lower energy state	Not yet selected	2
5	Custom Electric	PC Load management: Installation of software to put inactive PCs into lower energy state	Not yet selected	357
6	Custom Gas	Water Conservation Measures: Installation of faucet aerators, reducing hot water flow and therefore energy consumption	Not yet selected	1

7. Annual Estimated Energy Savings: **687,914 kWh; 29,430 therms; 162 kW**
8. Annual Estimate Energy Cost Savings: **\$140,710**

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

I, Mona Lee Mosser, hereby certify that I have reviewed the file 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, the Office of Clean Energy 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.

By:  Date: 3/16/12
Mona Mosser
Bureau Chief - NJBPU Office of Clean Energy

Ref:
App # 08507

Applicant The Somerset Hills School District

Payee The Somerset Hills School District

Committed Amount: \$413,753.00