



**STATE OF NEW JERSEY**  
**Board of Public Utilities**  
44 South Clinton Avenue, 9<sup>th</sup> Floor  
Post Office Box 350  
Trenton, New Jersey 08625-0350  
[www.nj.gov/bpu/](http://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 \$500,000 – VERIZON NEW JERSEY INC. ) DOCKET NO. EG14020161

**Party of Record:**

**Anthony Gambino, Senior Staff Consultant, Verizon New Jersey, Inc.**

**BY THE BOARD:**

The New Jersey Board of Public Utilities' (the Board) Commercial & Industrial (C&I) Energy Efficiency Program includes nine (9) individual programs targeting the commercial and industrial market segments, consisting of New Construction, Retrofit, Pay for Performance - New Construction, Pay for Performance - Existing Buildings, Local Government Energy Audit, Direct Install, Small Combined Heat and Power and Fuel Cells, Large Energy Users Program, and the Societal Benefits Charge Credit Program. These programs collectively offer financial incentives 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, heating, ventilation and air conditioning, water heating and other measures in new or existing buildings.

Verizon, Basking Ridge, NJ, has submitted an application for a financial incentive in the amount of \$1,000,000 under the 2012 Large Energy Users Pilot program, for a project located at their administration and telecommunications central office on 95 William Street, Newark, NJ. The applicant proposes replacing the variable speed drives (VSDs) and motors of its cluster air handling units, as well as upgrading the units' controls; upgrading the airside economizer controls; upgrading the single AHU VSDs and motors; retrofitting the chiller VSD; upgrading the chilled and condenser water variable pumping operation; and installing lighting upgrades and controls. Installing these measures will enable an estimated annual energy savings of 4,803,127 kWh and an electric demand reduction of 463 kW. Overall, this applicant will have an estimated annual energy cost savings of \$558,373 at a total project installation cost of \$3,604,944. The project has a 13% internal rate of return and a 6.5 year payback.

TRC, the Market Manager engaged by the Board to manage the New Jersey Clean Energy Program (NJCEP) C&I energy efficiency programs, has submitted 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 the applicant is eligible. Further, Applied Energy Group, in its role as the NJCEP Program Coordinator, has reviewed the application and submitted 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 the 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 total estimated incentive amount of \$1,000,000 for Verizon New Jersey Inc., and **AUTHORIZES** issuance of a standard commitment letter to the applicant identified above, setting forth the terms and conditions of this commitment.

The effective date of this Order is March 28, 2013.

DATED: 3/19/2014

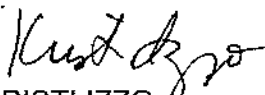
BOARD OF PUBLIC UTILITIES  
BY:


  
DIANNE SOLOMON  
PRESIDENT

  
JEANNE M. FOX  
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JOSEPH L. FIORDALISO  
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 \$500,000 – VERIZON NEW JERSEY, INC.

DOCKET NO. EG14020161

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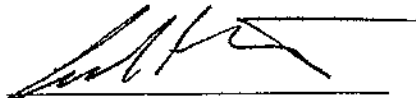
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Anthony Gambino  
Senior Staff Consultant  
Verizon  
One Verizon Way  
VC31W263A  
Basking Ridge, NJ 07920

**Market Manager Certification  
(New Incentive Commitments > \$500,000)**

I, Carl Teter, 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: 

*Carl P. Teter, P.E., LEED AP, Associate Vice President*  
App# L16251

Date: 2-18-14

1. Application Number: **L16251**
2. Program Name: **2012 Large Energy Users Pilot Program**
3. Customer Contact (name, company, address, phone #):  
**Anthony Gambino, Sr. Staff Consultant**  
**Verizon New Jersey Inc**  
**One Verizon Way, VC31W263A**  
**Basking Ridge, NJ 07920**  
**908-559-6227**
4. Project Name and Address:  
**Verizon, 95 William St (H-wing), Newark, NJ 07102**
5. Rebate amount: **\$1,000,000.00**
6. Brief description of measures:
  - **ECM 1: Cluster AHU VSDs /Motor Replacement and Controls Upgrades (AC16B)**
    - *Includes a DDC controls upgrade, VFD and motor replacement on AHUs with multiple fans.*
  - **ECM 2: Airside Economizer Control Upgrade**
    - *This includes the provision of local and supervisory controllers to enable energy savings analytics on the building's HVAC equipment. Specifically the system will provide air side economizer control in those AHUs, and temperature resets based on free cooling and load conditions, and chilled water resets.*
  - **ECM 3: Single AHU VSDs /Motor Replacement and Controls Upgrades**
    - *Includes VFD and motor replacement on single-fan AHUs to permit use of "affinity law" savings.*
  - **ECM 4: Chiller VSD Retrofit**
    - *This measure involves the replacement of the facilities Carrier Chiller with a new Variable Speed Chiller.*
  - **ECM 5: Chilled and Condenser Water Variable Pumping Operation**
    - *This measure includes installing variable frequency drives (VFDs) on two chilled water pumps. Replacing one condenser water pump with a VFD controlled pump. Also includes replacement of 3-way valves with DDC controlled 2-way valves.*
  - **ECM 6: Lighting upgrades and controls**
    - *This measure includes installing occupancy controls on lighting fixtures with high burn hours and replacing the existing lighting fixtures with energy- efficient lighting fixtures.*
7. Annual Estimated Energy Savings:
  - 1) **4,803,127.00 kWh** *(RSD)*
  - 2) **463 kWh**
8. Annual Estimated Energy Cost Savings: **\$558,373**

**Program Coordinator Certification  
(New Incentive Commitments > \$500,000)**

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, Pay for Performance, Combined Heat & Power and Large Energy Users Program, 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: 02-18-2014

**Maura Watkins**

Quality Assurance Manager - Applied Energy Group, Inc.

Ref: \_\_\_\_\_  
App # L16251

Applicant Verizon New Jersey Inc.

Payee Verizon New Jersey Inc.

Committed Amount: \$1,000,000.00