



**STATE OF NEW JERSEY**  
**Board of Public Utilities**  
44 South Clinton Avenue, 9<sup>th</sup> Floor  
Post Office Box 350  
Trenton, NJ 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	)	
PROGRAM ENERGY EFFICIENCY INCENTIVES	)	
EXCEEDING \$300,000	)	DOCKET NOS.
	)	
WYNDHAM WORLDWIDE CORPORATION	)	EO13010068V
	)	
ALCATEL-LUCENT USA INC.	)	EO13010069V

**Parties of Record:**

**Leonard Marotta**, Senior Facilities Manager, Wyndham Worldwide Corporation  
**Patrick T. DeClesis**, Facility Manager, Alcatel-Lucent USA Inc.

**BY THE BOARD:**

The New Jersey Board of Public Utilities' (the Board) Commercial and Industrial (C&I) Energy Efficiency Program, which is marketed as the New Jersey SMARTSTART Buildings Program includes the C&I New Construction, C&I Retrofit, Pay-for-Performance New Construction, Pay-for-Performance Existing Buildings, Local Government Energy Audit, Direct Install, Combined Heat and Power and Fuel Cells, and Large Energy Users Pilot. 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 (HVAC), water heating or other measures in new or existing buildings.

Wyndham Worldwide Corporation, Parsippany, NJ, has submitted an application for a total financial incentive in the amount of \$354,671 under the 2012 Pay-for-Performance New Construction Program, for a project located at 14 Sylvan Way, Parsippany, NJ. The first estimated incentive, for the proposed energy reduction plan is \$20,267. The estimated second incentive, for the as-built reduction plan (including installation of high efficiency unitary HVAC and split system rooftop units, insulation and building shell upgrades to roof and exterior walls,

window and glass high efficiency upgrades, lighting upgrades, and installation of high efficiency transformers) is \$202,669, and the estimated third incentive for the commissioning report is \$131,735. This application has an estimated 32% total energy savings and will save the customer an annual estimate of 862,725 kWh of electricity, and will result in an annual estimated demand reduction of 899.04 kW. The application will also save an estimated 2,879.8 therms annually. Overall, this application will have an estimated annual energy cost savings of \$109,947. Energy savings and cost savings are measured from a code-compliant building (ASHRAE 90.1-2007 baseline).

Alcatel-Lucent USA Inc., Murray Hill, NJ, has submitted an application for a financial incentive in the amount of \$495,849.76 under the 2012 C&I Retrofit program for a project located at 600-700 Mountain Avenue, Murray Hill, NJ. The project consists of the installation of variable frequency drives (VFDs), sensors, and transmitters throughout the cooling system within the large onsite chilled water plant. VFDs will also be installed on equipment such as constant speed condenser pumps, chilled water pumps, and cooling tower fans, providing approximately 4% savings on existing electric use. This project enables an estimated annual energy savings of 3,099,061 kWh of electricity to the customer. The project has an annual estimated energy cost savings of \$329,755.29 at an estimated total installed cost of \$1,320,000.

TRC, the Market Manager engaged by the Board to manage the New Jersey Clean Energy Program (NJCEP) C&I energy efficiency programs, has submitted 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, in its role as the NJCEP Program Coordinator, has reviewed the applications and submitted 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. Based on the above, Staff recommends that the Board approve the above-referenced applications.

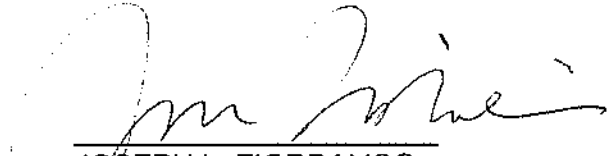
The Board **HEREBY ORDERS** the approval of the aforementioned applications for the total estimated incentive amounts of \$354,671 for Wyndham Worldwide Corporation and \$495,849.76 for Alcatel-Lucent USA Inc., and **AUTHORIZES** issuance of standard commitment letters to the applicants identified above, setting forth the terms and conditions of these commitments.

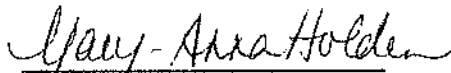
DATED: 2/20/13

BOARD OF PUBLIC UTILITIES  
BY:

  
ROBERT M. HANNA  
PRESIDENT

  
JEANNE M. FOX  
COMMISSIONER


  
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 PROGRAM ENERGY EFFICIENCY INCENTIVES EXCEEDING \$300,000 –  
WYNDHAM WORLDWIDE CORPORATION AND ALCATEL-LUCENT USA INC.

DOCKET NOS. EO13010068V and EO13010069V

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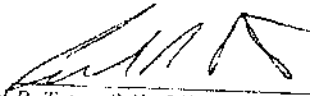
Leonard Marotta  
Senior Facilities Manager  
Wyndham Worldwide Corporation  
22 Sylvan Way  
Parsippany, NJ 07054

Patrick T. DeClesis  
Facility Manager  
Alcatel-Lucent USA Inc.  
600 Mountain Ave. # 700  
New Providence, NJ 07974-2008

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

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# 18757

Date: 1-30-13

1. Application Number: **18757**
  2. Program Name: **SmartStart Retrofit – Custom Measures**
  3. Customer Contact (name, company, address, phone #):  
**Patrick T. DeClesia, Facility Manager  
Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue  
Murray Hill, NJ 07974  
908-582-2212**
  4. Project Name and Address:  
**Alcatel-Lucent USA Inc.  
600-700 Mountain Avenue, Murray Hill, NJ 07974**
  5. Rebate amount: **\$ 495,849.76**
  6. Brief description of measures:  
**The energy conservation measure is for the installation of variable frequency drives, sensors, and transmitters throughout the cooling system within the large chilled water plant at the Alcatel-Lucent site. Constant speed condenser pumps, chilled water pumps and cooling tower fans will have VFDs installed. The VFDs will allow the Demand Flow algorithms to maintain optimal differential of system pressure, reduce excessive pumping energy and reduce equipment runtime while increasing system deliverable tonnage. This system will optimize all plant functions.**
  7. Annual Estimated Energy Savings:  
**3,099,061 kWh**
  8. Annual Estimate Energy Cost Savings: **\$329,755.29**
-

**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, Pay for Performance and Large Energy Users Pilot 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: 01-30-2013

**Maura Watkins**

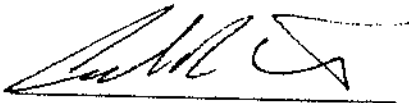
Quality Assurance Manager - Applied Energy Group, Inc.

Ref: \_\_\_\_\_  
App # 18757  
Applicant Alcatel-Lucent Technologies  
Payee Alcatel Lucent USA Inc.

Committed Amount: \$495,849.76

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

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# 16004*

Date: 1-29-13



1. Application Number: **16004**
2. Program Name: **Pay for Performance- New Construction**
3. Customer Contact (name, company, address, phone #):  
**Leonard Marotta, Senior Facilities Manager**  
**Wyndham Worldwide Corporation**  
**22 Sylvan Way, Parsippany, NJ 07054**  
**973-753-7598**
4. Project Name and Address:  
**Wyndham Worldwide**  
**14 Sylvan Way, Parsippany, NJ 07054**
5. Rebate amount:  
**Incentive #1: \$20,267.00**  
**Incentive #2: \$202,669.00**  
**Incentive #3: \$131,735.00**  
**Total: \$354,671.00**
6. Brief description of measures
  1. Unitary HVAC/Split System – installation of high efficiency rooftop units and ductless split systems.
    - PH-1 & PH-2 Mammoth Units – 241 tons each / 12 EER
    - Laars Boilers – 2400 MBH – 90% efficient
    - 6 Mitsubishi AC Units – 2 ton (17 SEE) and 6 ton (12.7 EER) units
  2. Insulation and Building Shell Upgrades to Roof and Exterior Walls:
    - SP1-C Stone Panel Construction: 3/8" stone panel, 6" concrete, R-13 batt insulation, 5/8" gypsum wallboard - u=0.063
    - SP1-B Stone Panel Construction: 3/8" stone panel, steel frame, R-13 batt insulation, R-15 board insulation, 5/8 gypsum wallboard - u=0.032
    - Metal Panel System Construction: steel siding, 1" air space, 1" board insulation 5/8" gypsum wallboard - u- .036
    - GL-2A Spandrel Glass Construction: curtain wall system, 1" air space, R-15 board insulation, 5/8 gypsum wallboard - u=0.053
    - GL-2B Spandrel Glass Construction: curtain wall system, 1" air space, R-15 board insulation, R-13 batt insulation, 5/8 gypsum wall board - u=0.030Roof: 3/8" built up
    - Roof, 3-1/2" polyisocyanurate insulation u=0.041N
    - Total Wall Area: 53,335 square feet
    - Total Roof Area: 69,367 square feet
  3. Windows and Glass High Efficiency Upgrades:
    - Viracon Low-E Insulating Windows - VRE 1-46 IGU – 20,709 square feet

4. Lighting Upgrades:

- Site Lighting Density- Installation of energy efficient lighting throughout that will yield a greater lighting output from a lesser power input. High Efficiency lighting resulting in a power density below the IESNA standard referenced in ASHRAE 90.1-2007.

5. High Efficiency Transformers:

- Installation of high efficiency GE CSL-3 transformers – (2) 30kVa, (2) 45kV, (6) 75, and (1) 112.5kVa.

7. Annual Estimated Energy Savings: Savings are measured from a code-compliant building (ASHRAE 90.1-2007 baseline)

862,725 kWh

899.04 kW

2,879.8 therms

8. Annual Estimate Energy Cost Savings: Cost savings are measured from a code-compliant building (ASHRAE 90.1-2007) \$109,947.00

**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.

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*Maura H Watkins*

By: \_\_\_\_\_

Date: 01-29-2013

**Maura Watkins**

Quality Assurance Manager - Applied Energy Group, Inc.

Ref: \_\_\_\_\_  
App # 16004  
Applicant Wyndham Worldwide Corp.  
Payee Wyndham Worldwide Corp.

Committed Amount: \$354,671.00