



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

CLEAN ENERGY

IN THE MATTER OF THE NEW JERSEY CLEAN) ORDER
ENERGY PROGRAM AUTHORIZATION OF)
COMMERCIAL AND INDUSTRIAL (C&I) PROGRAM)
ENERGY EFFICIENCY INCENTIVES EXCEEDING)
\$500,000 – MERCK & CO., INC.) DOCKET NO. QG13111138

Party of Record:

Chris Broome, Associate Director of Engineering, Merck & Co., Inc.

BY THE BOARD¹:

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 (CHP) and Fuel Cells (FC), 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.

Merck & Co., Inc., Rahway, NJ, has submitted an application for a financial incentive in the amount of \$1,000,000 under the 2012 Large Energy Users Pilot (LEUP) Program, for projects located at its facilities on 126 East Lincoln Avenue, Rahway, NJ, and at 100 Sam Weinroth Road, Trenton, NJ. For both facilities, the applicant proposes to upgrade its lighting. In its Trenton facility, Merck & Co., Inc. plans to replace all of its interior fluorescent lighting and metal halide fixtures with more efficient light-emitting diodes (LEDs). In Rahway, the applicant plans to replace all of its exterior pole and exterior wall-mounted lighting to new LED fixtures. Installing these measures will reduce the annual electric usage by an estimated 3,470,687 kWh, resulting in an estimated annual demand reduction of 399 kW. Overall, this application will have an estimated annual energy cost savings of \$412,192 at a total project cost of \$2,787,606. The internal rate of return for this project is 10.4% and the simple payback period is 6.8 years.

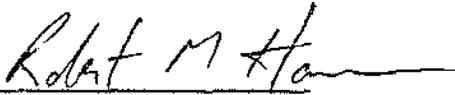
¹ Commissioner Fiordaliso has recused himself from this matter.

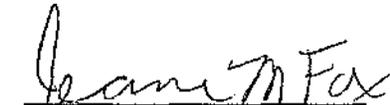
TRC, the Market Manager engaged by the Board to manage the New Jersey Clean Energy Program (NJCEP) C&I energy efficiency programs, has submitted certification that the incentive for which TRC now seeks approval to commit has been calculated in accordance with the program policies and procedures, and 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.

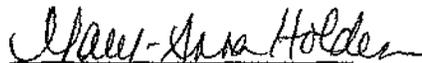
The Board **HEREBY ORDERS** the approval of the aforementioned application for the total estimated incentive amount of \$1,000,000 for Merck & Co., Inc., and **AUTHORIZES** issuance of a standard commitment letter to the applicant identified above, setting forth the terms and conditions of this commitment.

DATED: 12/18/13

BOARD OF PUBLIC UTILITIES
BY:


ROBERT M. HANNA
PRESIDENT

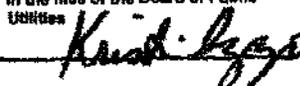

JEANNE M. FOX
COMMISSIONER


MARY-ANNA HOLDEN
COMMISSIONER


DIANNE SOLOMON
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 NEW JERSEY CLEAN ENERGY PROGRAM AUTHORIZATION OF
COMMERCIAL AND INDUSTRIAL (C&I) PROGRAM ENERGY EFFICIENCY INCENTIVES
EXCEEDING \$500,000 – MERCK & CO., INC.
DOCKET NO. QG13111138

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**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: 11-12-2013

Maura Watkins

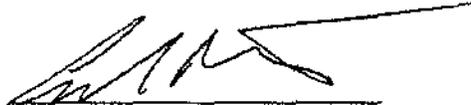
Quality Assurance Manager - Applied Energy Group, Inc.

Ref:	L16239
App #	_____
Applicant	Merck & Co., Inc.
Payee	Merck & Co., Inc.

Committed Amount: \$1,000,000.00

**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# L16239

Date: 11-14-13

1. Application Number: **L16239**
2. Program Name: **2012 Large Energy Users Pilot Program**
3. Customer Contact (name, company, address, phone #):
Chris Broome, Associate Director of Engineering
Merck & Co., Inc.
126 E. Lincoln Avenue, RY28-470F
Rahway, NJ 07065
4. Project Name and Address:
126 E. Lincoln Ave, Rahway, NJ 07065
100 Sam Weinroth Road, Trenton, NJ 08628
5. Rebate amount: **\$1,000,000.00**
6. Brief description of measures:
 - 1) **Interior Lighting Upgrades Building 800/818/34/28/27/5/Trenton Hangar:**
Replacement of all fluorescent lighting and Metal Halide fixtures with LED.
 - 2) **Exterior Lighting Upgrades Rahway Campus:** Replacement of all pole and site exterior wall packs to new LED fixtures.
7. Annual Estimated Energy Savings:
 - 1) **3,470,687 kWh**
 - 2) **399 kW**
8. Annual Estimated Energy Cost Savings: **\$412,192**