



Agenda Date: 8/15/12
Agenda Item: 8A-2

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 - BRISTOL-MYERS SQUIBB) DOCKET NO EO12070657V

Arturo Abacan, Associate Manager of Energy Administration, Bristol-Myers Squibb

BY THE BOARD¹:

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 (SSBP or SMARTSTART), 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 Large Energy Users Pilot 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, Heating, Ventilation & Air Conditioning (HVAC), water heating or other measures in new or existing buildings.

Bristol-Myers Squibb, Princeton, NJ, has submitted an application for a financial incentive in the amount of \$700,945.20 under the 2011 Large Energy Users Pilot (LEUP) program, for a project located at its facility at 1 Squibb Drive, New Brunswick, NJ. Bristol-Myers Squibb proposes to modify its existing chiller plant system that provides cooling to the New Brunswick, NJ campus. The existing chilled water system will be converted to a variable-volume primary only system. This will eliminate dozens of pumps and save substantial pump and chiller energy. This application will save the customer an annual estimate of 4,055,016 kWh of electricity, resulting in an estimated annual demand reduction of 330 kW. Overall, this application will have an estimated annual energy cost savings of \$393,098.

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

¹ Commissioner Fiordaliso has recused himself from this matter.

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 \$700,945.20 to Bristol-Myers Squibb, and **AUTHORIZES** issuance of a standard commitment letter to the applicant identified above, setting forth the terms and conditions of this commitment.

DATED: 8/15/12

BOARD OF PUBLIC UTILITIES
BY:



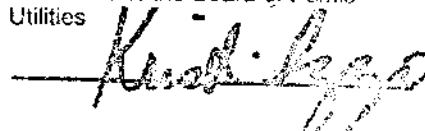
ROBERT M. HANNA
PRESIDENT


JEANNE M. FOX
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 –BRISTOL-MYERS SQUIBB

DOCKET NO. EO12070657V

SERVICE LIST

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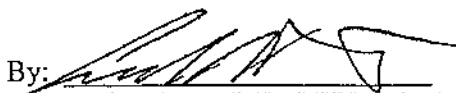
Kristi Izzo, Secretary
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Allison E. Mitchell
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Board of Public Utilities
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Trenton, NJ 08625-0350

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# 16330

Date:

7-10-12

1. Application Number: **16330**
2. Program Name: **Pay for Performance- Existing Buildings**
3. Customer Contact (name, company, address, phone #):
Henry Stein, Partner
North Brunswick Manor LLC
90 Woodbridge Center Drive, Woodbridge, NJ 07095
732-750-1111
4. Project Name and Address:
North Brunswick Manor LLC
2880 Birchwood Court, North Brunswick, NJ 08902
5. Rebate amount:
Incentive #1: \$30,570.00
Incentive #2: \$312,228.00
Incentive #3: \$312,228.00
Total: \$655,026.00

6. Brief description of measures:

Measure Name	Measure Details	Fuel Affected	Quantity
1	Pipe Insulation	Add 1/2-inch Tricolock pipe insulation on all accessible hot water & DHW piping in crawl space	Natural Gas Throughout
2	Boiler Replacement	Replace atmospheric boilers w/high efficiency Lochinvar Knight-XL high-efficiency (90%) condensing boilers	Natural Gas 29
3	Envelope Upgrades	Replacing existing metal-frame patio doors with air-tight vinyl frame units, add 12-in attic insulation to reduce the u-factor from 0.13 to 0.02	Natural Gas Throughout
4	DHW Conservation	Install low-flow showerheads and faucet aerators	Natural Gas Throughout
5	Lighting Upgrades	Replace existing incandescent light bulbs with CFL bulbs	Electric Throughout
6	HVAC Controls	Install new dedicated Danfos hydronic zone valves with temperature lockouts at 72F max	Natural Gas Throughout
7	New Windows	Replace metal-frame double-pane windows with vinyl frame reducing infiltration and U-Factor from 0.81 to 0.55	Natural Gas Throughout

7. Annual Estimated Energy Savings:
Electric: 418,428 kWh; 270 kW
Natural Gas: 212,961 therms
8. Annual Estimate Energy Cost Savings: **\$321,333.00**

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
App# 07120

Date: 7/12/12

1. Application Number: **L16209**
2. Program Name: **Large Energy Users Pilot Program**
3. Customer Contact (name, company, address, phone #):
Arturo Abacan
Bristol-Myers Squibb
PO Box 4000, Princeton, NJ 08543
4. Project Name and Address:
Bristol-Myers Squibb
1 Squibb Drive, New Brunswick, NJ 08901
5. Rebate amount: **\$700,945.20**
6. Brief description of measures: **Bristol-Myers Squibb proposes to modify the existing chiller plant system providing cooling to Bristol-Myers Squibb's New Brunswick, NJ campus. From a primary/secondary/tertiary pumping system, the chilled water system will be converted to a variable-volume primary only system. This will eliminate dozens of pumps and save substantial pump and chiller energy. The campus has two central plants, the North Plant and the South Plant. Both chiller plants provide chilled water to serve the air handling units to condition spaces which include office space, laboratories, and pharmaceutical manufacturing space.**
7. Annual Estimated Energy Savings: **4,055,016 kWh; 330 kW**
8. Annual Estimate Energy Cost Savings: **\$393,098.00**

1. Application Number: 07120
2. Program Name: Pay for Performance- Existing Buildings
3. Customer Contact (name, company, address, phone #):
 Paul Marshall
 MMH BT, LLC.
 1 Madison Avenue, Morristown, NJ 07960
 973-885-2999
4. Project Name and Address:
 Brookside Terrace
 33 Mill Street, Newton, NJ 07860
5. Rebate amount:
 Incentive #1: \$22,500.00
 Incentive #2: \$214,870.00
Incentive #3: \$146,232.00
Total: \$383,602.00

6. Brief description of measures:

Measure Name	Measure Details	Fuel Affected	Quantity
1	Hot Water Boiler	Install high-efficiency condensing boiler with hot water reset.	Natural Gas 1
2	Custom Electric	Chiller temperature reset to a higher entering and leaving water temperature	Electric 1
3	VFD – Chilled Water Pump	Install VFDs on cooling tower's fan motor. Reset condenser water temperatures to a lower temperature when ambient conditions allow.	Electric 2
4	Custom Electric	Install 2-way valves with wireless thermostats. Allows existing fan coil units to control their flow providing consistent space temperatures.	Electric 180
5	VFD – Chilled Water Pump	Install VFDs into chiller/hot water pumping system.	Natural Gas 14
6	Custom Gas	Install Air to Air Heat Exchanger through existing air handlers.	Electric/Natural Gas 1
7	CFL - Indoor Fixture	Install high-efficiency CFL fixtures in high-use areas with occupancy sensors	Electric 1422

7. Annual Estimated Energy Savings:
 Electric: 260,968 kWh; 43 kW
 Natural Gas: 59,701 therms
8. Annual Estimate Energy Cost Savings: \$118,627

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: 07-06-2012

Maura Watkins

Quality Assurance Manager - Applied Energy Group, Inc.

Ref:	<u>16330</u>
App #	_____
Applicant	<u>North Brunswick Manor LLC</u>
Payee	<u>North Brunswick Manor LLC</u>

Committed Amount: \$655,026.00

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.

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: 07-12-2012

Maura Watkins

Quality Assurance Manager - Applied Energy Group, Inc.

Ref: _____
App # L16209
Applicant Bristol Myers Squibb
Payee Bristol Myers Squibb

Committed Amount: \$700,945.20

**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: 07-18-2012

Maura Watkins

Quality Assurance Manager - Applied Energy Group, Inc.

Ref:	<u>07120</u>
App #	_____
Applicant	<u>MMH II, LLC</u>
Payee	<u>MMH BT, LLC</u>

Committed Amount: \$383,602.00