



Agenda Date: 6/12/19
Agenda Item: 8A

STATE OF NEW JERSEY
Board of Public Utilities
44 South Clinton Avenue, 3rd Floor, Suite 314
Post Office Box 350
Trenton, New Jersey 08625-0350
www.nj.gov/bpu/

CLEAN ENERGY

IN THE MATTER OF THE CLEAN ENERGY PROGRAM)
AUTHORIZATION OF COMMERCIAL AND) ORDER
INDUSTRIAL PROGRAM ENERGY EFFICIENCY)
INCENTIVES EXCEEDING \$500,000 – PORT)
AUTHORITY OF NEW YORK AND NEW JERSEY) DOCKET NO. QO19050606

Parties of Record:

Christine Weydig, Director, Office of Environmental and Energy Programs, Port Authority of New York and New Jersey
Stefanie A. Brand, Esq., Director, New Jersey Division of Rate Counsel

BY THE BOARD:

The New Jersey Board of Public Utilities ("Board" or "BPU") through its New Jersey Clean Energy Program ("NJCEP") includes several individual Commercial & Industrial ("C&I") Energy Efficiency ("EE") Programs targeting the commercial and industrial market segments. Eligible applicants may receive rebates for a portion of the cost for installing energy efficient technologies such as lighting, HVAC, and other energy conservation measures ("ECMs"). Incentives are also available for projects involving Distributed Energy Resources ("DER"). All proposed C&I EE financial incentives and rebates exceeding \$500,000 require explicit Board approval. In the Matter of the Comprehensive Energy Efficiency and Renewable Energy Resource Analysis for the 2009 through 2012 Clean Energy Program -- Revised 2012-2013 Programs & Budgets - Revised Rebate Approval Process, BPU Docket No. EO07030203 (May 3, 2013).

The Large Energy Users Program ("LEUP") fosters self-investment in EE and combined heat and power projects for New Jersey's largest C&I customers. Incentives are awarded to customers that satisfy the program's eligibility and program requirements for investing in self-directed energy projects that are customized to meet the requirements of the customers' existing facilities, while advancing the State's energy efficiency, conservation, and greenhouse gas reduction goals.

By this Order, the Board considers the application of Port Authority of New York and New Jersey in Newark, New Jersey, submitted on March 19, 2018, under the Fiscal Year 2018 ("FY18") LEUP Program pursuant to the Energy Efficiency and Renewable Energy Program Plan Filing for FY18, dated January 26, 2018. The project is located at Newark Airport, 49 Brewster Road, Newark, New Jersey 07114. The applicant requests a total financial incentive of \$1,346,924.64 for projects that will cost a combined \$8,142,431.

This application outlines several different ECMs. The Applicant proposes to install upgraded HVAC controls on their existing systems at Terminal B and Building 80, adding variable frequency drives, upgraded motors, and new CO₂ sensors that will conserve energy while maintaining safe ventilation levels. The application also intends to replace the existing chiller system and chilled water pumps in Building 80 with higher efficiency models. Additionally, the existing exterior lighting at numerous locations across the airport will be replaced with more efficient LED fixtures and lamps.

Annually, this project is anticipated to conserve 3,097,908 kWh of electricity and conserve 86,564 therms of natural gas. The project will also reduce peak demand by 527 kW annually. The proposed project will have an estimated annual energy cost savings of \$439,998, as well an annual operational and maintenance savings of \$158,670. The payback period without incentives is 13.6 years; when factoring in the incentives, the payback period is reduced to 11.4 years.

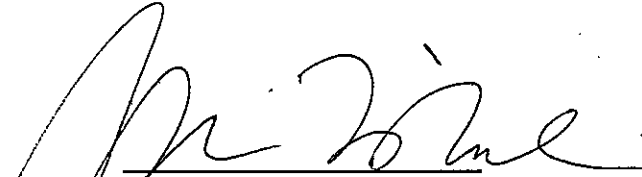
TRC Environmental Corporation, the Program Manager engaged by the Board to manage the NJCEP LEUP program, attested to the accuracy of certain information regarding the project and that the project application adheres to the current terms and conditions of the program. Further, TRC, in its role as the NJCEP Program Administrator, submitted its certification that the incentives were calculated in accordance with the program's policies and procedures, the listed amounts are the true and accurate estimated incentives for which the applicant is eligible, and the documentation supporting estimated energy savings inputs was located, reviewed, and made available to calculate the rebate amounts as required by the program's policies and procedures. Based on these certifications and the information provided by the Program Manager and Program Administrator, Board Staff recommends approval of the above-referenced application.

The Board **HEREBY ORDERS** the approval of the aforementioned application for the total estimated incentive amount of \$1,346,924.64 for the Port Authority of New York and New Jersey 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 June 22, 2019.

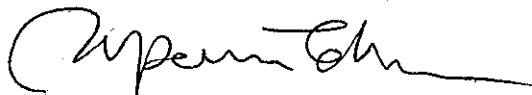
DATED: 6/12/19

BOARD OF PUBLIC UTILITIES
BY:

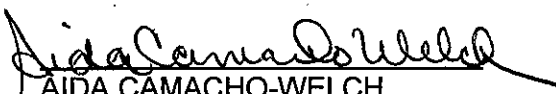

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COMMISSIONER


ROBERT M. GORDON
COMMISSIONER

ATTEST: 
AIDA CAMACHO-WELCH
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 \$500,000 –
PORT AUTHORITY OF NEW YORK AND NEW JERSEY

DOCKET NO. QO19050606

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The undersigned preparer attests that, to the best of their knowledge and belief, the above information is accurate and the subject project application adheres to the current terms and conditions of the Large Energy Users program.



Signature of Preparer

5/7/19
Date



Name of Preparer

50600
App#

1. Application Number: **50680**
2. Application Received Date and Fiscal Year: **3/19/2018, FY18 Large Energy Users Program**
3. Compliance Filing: **FY2018 Compliance Filing dated January 26, 2018**
4. Customer Contact (name, company, address, phone #):

**Christine Weydig
Director, Office of Environmental and Energy Programs
Port Authority of New York & New Jersey
4 World Trade Center, 15th Floor
New York, NY 10007
212-435-5460**

5. Project Name and Address:
**Newark Airport Upgrades
49 Brewster Road
Newark, NJ 07114**

6. Rebate amount: **\$1,346,924.64**

7. Brief description of measures:

Chiller Upgrade – Building 80

Replace two existing 90 ton chillers located on the roof of Building 80 that provide comfort cooling. New chillers are scroll compressors of the same size that use variable frequency drives to perform a lead/lag sequence that allows the building's chilled water needs to be met while using less energy than the existing chiller. Replace existing chilled water pumps with new, higher efficiency models.

HVAC Controls Upgrade – Building 80

Upgrade controls on existing controls for existing HVAC system by installing new variable frequency drives on supply and return fans, replacing motors and installing new CO2 sensors that allow lower fan speeds that save energy while maintaining safe ventilation levels. Upgrades to take place on HVAC equipment serving Building 80 1st floor north and south, 2nd floor north and south, locker rooms, dining area and kitchen.

HVAC Controls Upgrade - Terminal B

Upgrade controls on existing controls for existing HVAC system by installing new variable frequency drives on supply and return fans, replacing motors and installing new CO2 sensors that allow lower fan speeds that save energy while maintaining safe ventilation levels. Upgrades to take place on HVAC equipment serving general office, secondary inspection, offices and north and south baggage areas.

**Exterior Lighting Upgrade – Buildings 1, 79, 80, Terminal A, NEC Station,
Parking Lots P1-P9, Parking Lots E and F, Airport Roadways, Terminal C Garage,
South Bay Cargo Area**

Upgrade of existing exterior lighting at the above locations. Existing light fixtures include high pressure sodium parking lot lighting, bollards, flood lights and wallpacks, metal halide flood and T8/T12 fluorescent fixtures. These fixtures will be replaced by lower wattage LED fixtures or lamps on a one-for-one basis.

8. Annual Estimated Energy Savings:
3,097,908.00 kWh
527.00 kW peak demand
86,564.00 therms
9. Annual Estimated Energy Cost Savings: **\$439,998.00**
10. Project cost: **\$8,142,431.00**
11. Operational and Maintenance Savings: **\$158,670.00**
12. Simple Payback Period: **13.6 years without incentive; 11.4 years with incentive**

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

I, **Maura Watkins**, TRC Solutions Quality Control, hereby certify that, I have reviewed the application referenced below and determined that, as required by the policies and procedures applicable to the program, (1) the equipment incentives for which the NJCEP Program Manager now seeks approval to commit NJCEP funds have been calculated in accordance with those policies and procedures, and (2) that the amount shown below is the true and accurate estimated incentive for which the applicant(s) is(are) eligible.

Additionally, for incentives based on estimated energy savings that are uniquely calculated, including the Pay for Performance Program, Large Energy Users Program, and the Combined Heat and Power Program, I also certify that I was able to locate and review documentation supporting the inputs used to calculate the rebate amount and evidencing the NJCEP Program Manager's evaluation of those inputs as required by the program's policies and procedures.

Maura H Watkins

By: _____

Date: 05-10-2019

Maura Watkins

Quality Control – TRC Solutions

Application No.: 50680

Applicant: Port Authority of NY & NJ

Payee: Port Authority of NY & NJ

Committed Amount: \$1,346,924.64