



Agenda Date: 7/15/20
Agenda Item: 8B

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 CLEAN ENERGY PROGRAM)
AUTHORIZATION OF COMMERCIAL AND INDUSTRIAL) ORDER
PROGRAM ENERGY EFFICIENCY INCENTIVES)
EXCEEDING \$500,000 – EAST BRUNSWICK BOARD)
OF EDUCATION) DOCKET NO. QO20040289

Parties of Record:

Bernardo Giuliana, Business Administrator, East Brunswick Public Schools
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 C&I 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. 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, Order dated May 3, 2013.

The Pay for Performance – Existing Buildings ("P4P – EB") Program uses a comprehensive, whole-building approach to EE in existing commercial and industrial buildings or eligible multifamily facilities. Similar to performance contracting programs offered in other states, this program links incentives directly to energy savings and includes a measurement and verification component to ensure that the estimated savings levels are achieved. Incentives are released upon satisfactory completion of three milestones.

By this Order, the Board considers the application of the East Brunswick Board of Education in East Brunswick, New Jersey submitted on September 3, 2019 under the Fiscal Year 2020 ("FY20") P4P – EB Program pursuant to the Energy Efficiency and Renewable Energy Program Plan Filing for FY20 dated June 20, 2019. The project is located at East Brunswick High School,

380 Cranbury Road, East Brunswick, New Jersey. The applicant requests a total financial incentive of \$637,039.58 for a project that will cost \$1,712,743.81.

This application proposes to install several different ECMs. The project would upgrade the school's interior and exterior lights with efficient LEDs, as well as install daylight dimming controls for the exterior lights that would be integrated into the district's building management system ("BMS"). Controls would also be installed on HVAC systems to optimize HVAC efficiency, and demand control ventilation would also be added and integrated into the BMS. New, highly efficient transformers and insulation measures such as air-sealing and weatherstripping of doors, windows, roofs, and walls will further ensure that the building becomes much more efficient.

The estimated first incentive, for purchase of the equipment, is \$50,000.00. The estimated second incentive, for completed installation of the system, is \$293,519.79. The estimated third incentive, granted after acceptance and confirmation of required performance threshold data, is \$293,519.79. These incentive amounts are within entity cap guidelines. Annually, the proposed project is anticipated to conserve 863,782 kWh of electricity and 41,395 therms of natural gas. The project will also reduce peak electricity demand by an anticipated 247 kW per year. Additionally, the project is estimated to result in annual energy cost savings of \$146,852.00. Without incentives, the payback period for this project is 11.7 years; when factoring in the incentives, the payback period is reduced to 7.3 years.

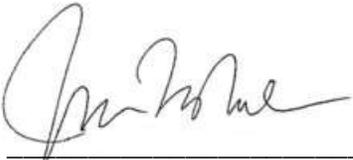
TRC Environmental Corporation, the Program Manager engaged by the Board to manage the NJCEP P4P – EB program, attested to the accuracy of certain information regarding the project and that the project application adheres to the current terms and conditions of the program. Further, TRC, in its role as 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 \$637,039.58 for the East Brunswick Board of Education and **AUTHORIZES** issuance of a standard commitment letter to the applicant identified above, setting forth the terms and conditions of this commitment.

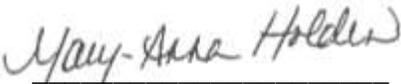
The effective date of this Order is July 25, 2020.

DATED: July 15, 2020

BOARD OF PUBLIC UTILITIES
BY:



JOSEPH L. FIORDALISO
PRESIDENT



MARY-ANNA HOLDEN
COMMISSIONER



DIANNE SOLOMON
COMMISSIONER

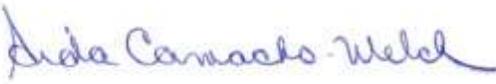


UPENDRA J. CHIVUKULA
COMMISSIONER



ROBERT M. GORDON
COMMISSIONER

ATTEST:



AIDA CAMACHO-WELCH
SECRETARY

In the Matter of the Clean Energy Program Authorization of Commercial and Industrial Program
Energy Efficiency Initiatives Exceeding \$500,000 – East Brunswick Board of Education
Docket No. QO20040289

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The undersigned preparer attests that, to the best of their knowledge and belief, the below information is accurate and the subject project application adheres to the current terms and conditions of the Pay for Performance program.



Signature of Preparer

Valentina Rozanova, TRC- P4P Program Manager

04/08/2020

Date

1. Application Number: **58263**
2. Program Name: **Pay for Performance – Existing Buildings**
3. Application Received: **09/03/2019 (FY20 Filing, dated June 20, 2019)**
4. Customer Contact (name, company, address, phone #):
Bernardo Giuliana, Business Administrator
732-613-6723
East Brunswick Public Schools
760 Route 18
East Brunswick, NJ 08816
5. Project Name and Address:
East Brunswick High School
380 Cranbury Road
East Brunswick, NJ 08816
6. Rebate amount:

| | |
|--------------------------------------|----------------------------|
| Incentive #1: | \$ 50,000.00 |
| Incentive #2 Base + Enhanced: | \$293,519.79 |
| Incentive #3 Base + Enhanced: | <u>\$293,519.79</u> |
| Total: | <u>\$637,039.58</u> |
7. Brief description of facility/site: **East Brunswick High School is a two-story High School built in 1958. It contains classrooms, office spaces, a gym, auditorium, library, media center, cafeteria, mechanical rooms, restrooms, and storage spaces. There are 2,200 students with approximately 300 staff.**
8. Brief description of measures:
 - 1) **Upgrade interior lights with LEDs**
 - 2) **Upgrade exterior lights with LEDs**
 - 3) **Air-sealing, & weatherstripping of doors, windows, and roof/walls**
 - 4) **HVAC system controls (centralized/district-wide)**
 - 5) **Install daylight dimming lighting controls for exterior lights (integrated into district building management system)**

- 6) **Demand control ventilation (integrated into district building management system)**
- 7) **Install new high efficiency transformers**

9. Annual Estimated Energy Savings:

- 1) **863,782 kWh**
- 2) **247 kW demand**
- 3) **41,395 therms natural gas**

10. Annual Estimate Energy Cost Savings:

- 1) **\$146,852**
- 2) **Payback: 11.7 years without incentive, 7.3 years with**

11. Estimated Project Cost:

- 1) **Total Project Cost: \$1,712,743.81**

**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.



By: _____

Date: **04-08-2020** _____

Maura Watkins

Quality Control – TRC Solutions

Application No.: **58263** _____

Applicant: **East Brunswick Board of Education** _____

Payee: **East Brunswick Board of Education** _____

Committed Amount: **\$637,039.58** _____