FIRST CONTRACT AMENDMENT

This First Contract Amendment (the "Amendment") to the Performance Contract dated May 22, 2019 is made this 10th day of January, 2023 by and between:

JOHNSON CONTROLS, INC. ("JCI")
6 AERIAL WAY
SYOSSET, New York 11791

and

BAYPORT-BLUE POINT SCHOOL DISTRICT ("CUSTOMER" or the "District")
189 ACADEMY STREET
BAYPORT, New York 11705

RECITALS

WHEREAS, JCI and Customer are parties to a Performance Contract, dated May 22, 2019 (the "Agreement");

WHEREAS, the Agreement, including the scope of work, attachments, schedules, energy conservation measures and exhibits, were submitted to the New York State Education Department ("NYSED") for review and approval pursuant to the Regulations of the Commissioner of the State of New York; and

WHEREAS, in connection with the Agreement, the New York State Education Department has reviewed the Scope of Services and requested modifications to the same prior to approving the same; and

WHEREAS, JCI and Customer desire to amend the terms of the Agreement as set forth more fully herein;

NOW, THEREFORE, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

1. **Incorporation of Whereas Clauses.** The above-referenced recitals are incorporated herein by reference.

2. The Agreement shall be amended in accordance with the following:

a. **On Page 2, of the Agreement, paragraph 2, "Agreement Documents", delete reference to "Attachment 4 – Lighting Survey line-by-line" and replace with the following:**

Attachment 4 – Lighting Line-by-line (Bayport-Blue Point Rev I 2-21-2022)

b. On page 25 of the Agreement, delete the Summary of Work Table in its entirety and replace with the following "Scope of Work" Summary Table:

ECM #	Measure	Bayport-Blue Point High School	James Wilson Young Middle School	Academy Street Elementary School	Blue Point Elementary School	Sylvan Avenue Elementary School	Maintenance
ECM 1	Lighting - Interior Lighting	x	x	x	x	x	x
ECM 2	Lighting - Exterior Lighting	x	x	x	x	x	x
ECM 3.1	Energy Management System - Temperature Setback	x	x	x	x	x	
ECM 3.2	Energy Management System - Demand Controlled Ventilation	x	x				
ECM 3.3	Energy Management System - Optimal Start	x	x	x	x	x	
ECM 4	Heating Distribution System - Pipe and Valve Insulation	x	x	x	x	x	
ECM 5	Boiler - Replacements			x			
ECM 6	Window / Door - Replacements		x		x		
ECM 7	Motors - Replacements	x	x		x	x	
ECM 8	Renewable Energy-Photovoltaic Electric Generation	x	x	x		x	
ECM 9	Plug Load Controllers	x	x	x	x	x	
ECM 10	Unit Ventilators - Refurbishment		x				
ECM 11	Air Conditioning Compressor Controllers	x	x	x	x		
ECM 12	Refrigeration Compressor Controllers	x				x	

c. On page 31 of the Agreement, under ECM 3: Energy Management System, after the scope of Micro-Tech / Stand Alone Unite Ventilators Tied into EMS and the Tables concerning same, and before Demand Control Ventilation, add the following new Scope of Work:

Damper Refurbishment and Electronic Actuators

On the units listed below, Johnson Controls will perform damper refurbishment and install new electronic actuators.

Building	Location	Area Served	Fuel / Energy	Equipment
Bayport - Blue Point High School	Mechanical Room	Gymnasium	Electric/HW	HV
Bayport - Blue Point High School	Mechanical Room	Gymnasium	Electric/HW	HV
James Wilson Young Middle School	Fan Room	Boy's Gymnasium	Electric/HW	AHU-1
James Wilson Young Middle School	Fan Room	Girl's Gymnasium	Electric/HW	AHU-2

d. On page 31 of the Agreement, under ECM 3: Energy Management System, remove the Scope of Work for Demand Control Ventilation in its entirety and replace with the following:

"Demand Control Ventilation

On the units listed below, demand control ventilation strategies will be employed.

Building	Location	Area Served	Fuel / Energy	Equipment
Bayport - Blue Point High School	Roof	Auditorium	Electric/Gas	RTU – 3
Bayport - Blue Point High School	Roof	Auditorium	Electric/Gas	RTU – 4
Bayport - Blue Point High School	Roof	Gymnasium	Electric/Gas	HV-1
Bayport - Blue Point High School	Roof	Gymnasium	Electric/Gas	HV-2
James Wilson Young Middle School	Roof	Aux. Gymnasium	Electric/Gas	AHU

For the systems in this section, new auto-calibrating CO_2 sensors will be installed to measure the concentration of CO_2 and vary the amount of outside air that is drawn into the space by modulating the outdoor and exhaust air dampers. New damper controls will be installed to interface with the existing control system. The sensors will be able to provide the building owner with a trend to show concentrations over time."

e. On page 32 of the Agreement, under ECM 3: Energy Management System, remove the Scope of Work for Optimal Start in its entirety and replace with the following:

Optimal Start

Johnson Controls will install programming for main school boilers as shown in ECM Matrix, Scope of Work Summary Table as set forth at paragraph 2(b) hereinabove, to achieve optimal start / warm-up cycle.

This strategy utilizes an Energy Management System (EMS) to determine the length of time required to bring each zone from its current temperature to the occupied set-point temperature. The system waits as long as possible before starting, so the temperature in each zone can reach the occupied set point just in time for occupancy.

This optimal starting time is determined using the difference between the actual zone temperature and occupied set point. It compares this difference with the historical performance of the zone warming up or cooling down.

The optimal-start strategy reduces the number of system operating hours and saves energy by avoiding the need to maintain the indoor temperature at the occupied set point even though the building is unoccupied.

A related strategy is called "optimal stop." As mentioned previously, at the end of an occupied period, the HVAC system is shut off and the temperature allowed to drift away from the occupied set point. It is understood and agreed that the District reserves the right to eliminate Optimal Stop in its sole discretion.

Optimal stop uses an EMS to determine how early heating and cooling can be shut off for each zone so that the indoor temperature drifts only a few degrees from the occupied set point. In this case, only cooling and heating are shut off. The supply fan continues to operate, and the outdoor-air damper remains open to continue ventilating the building.

The optimal-stop strategy also reduces the number of system operating hours, saving energy by allowing indoor temperatures to drift sooner.

The quantity of HVAC equipment to be utilizing Optimal Start and the locations of the same are identified in the Table below:

Building	Boilers	Pumps	Exhaust Fans	AHU	Unit Ventilators
Academy Street Elementary School	2	8	31	8	0
Bayport - Blue Point High School	5	28	23	16	14
Blue Point Elementary School	2	12	0	1	13
James Wilson Young Middle School	2	7	29	6	38
Sylvan Avenue Elementary School	2	8	17	4	35

f. On page 37 of the Agreement, ECM 5: Boilers – Replacement, delete the Scope of Work in its entirety and replace with the following Scope of Work:

Furnish and Install two (2), Weil McLane Cast Iron Hot Water Heating Boilers at the Academy Street Elementary School according to the following specifications.

Scope of Work

- *Isolate disconnect and remove completely from job site and dispose of properly One (1) Mills cast iron boiler, Model 4500A-13 and One (1) existing burner PF C4-GO-25-ATI, One (1) Rock Mills steel tube boiler, 100 HP and one (1) existing burner Cyclonetic JB2C-30, one (1) existing boiler feed tank and two (2) existing steam to water heat exchangers.*
- *Reconfigure existing primary/secondary heating loop piping in boiler room as required.*
- *Supply, install and commission two (2) new replacement burners and boilers fully packaged.*
- *Connect new equipment to existing heating system piping/pumps/chimneys/fuel/electric supply's as required.*
- *Fill system with water purge out, check for leaks fire burners on fuels available.*

- *Set combustion, test, record results.*
- *Check complete operation of new system and piping.*
- *JCI shall be responsible for any asbestos abatement associated with this ECM and its Scope of Work under the Agreement and this Amendment.*

New Replacement Equipment:

- *Supply, install and commission two (2) new Weil McLane Cast Iron hot water heating boilers Model 88-13 Series,*
- *Supply, install and commission two (2) new Power Flame duel fuel full modulation burners, Model CR3-GO-25,*
- *Supply, install and commission two (2) new concrete equipment pads or steel channel to level and lift new boilers off floor of new equipment as required by new equipment manufacturers.*
- *All new black steel piping/fittings greater than 2-1/2" to be welded as method of assembly.*
- *All welding will be performed by certified welders all screw and brazing by Master Plumbers.*

Regulatory Requirements
- *Boiler(s) and controls to comply with applicable regulations in effect at the time of contract signing.*
- *Provide U.L. labeled burner(s).*

Submittals
- *Submit shop drawings and product data.*
- *Submittal packet to include boiler (and burner) manufacturer descriptive literature, installation instructions, operating instructions, and maintenance instructions.*

Boiler foundation(s):
- *Construct needed support and level concrete foundation(s) where boiler room floor is uneven or will not support the weight of the boiler(s).*

Boiler trim:

New electrical components to bear the U.L. label.

Water boiler(s) controls furnished:

- *Combination low temperature limit (operating) and manual reset high temperature limit control.*
- *Low temperature limit set according to system design. High temperature limit set at least 20°F higher than the low limit (240°F is the maximum allowable water temperature).*
- *Combination pressure-temperature gauge with dial clearly marked and easy to read.*
- *ASME certified pressure relief valve set to relieve at 30 PSIG. Relief valves with side outlet discharge type; pipe outlet to floor drain or near floor, avoiding any area where freezing could occur.*

Low water cut-off for water boiler(s):

- *Boiler(s) to be furnished with U.L. labeled low water cut-off with ASME working pressure rating equal to the ASME rating of the relief valve.*
- *No quick-connect fittings on boiler(s).*
- *Install cut-off according to manufacturer's instructions.*
- *Locate so burner shuts down if boiler water level falls below allowable safe waterline.*

Start-up and Service

- *Obtain the services of a factory-authorized agent to provide burner light off and adjustment. The start-up agent shall provide a burner light-off report as written proof that the burner was adjusted to optimum performance.*
- *The authorized agent shall provide a one-year service warranty after start-up.*

g. On page 39 of the Agreement, under ECM 6: Windows & Doors Replacement, remove the Scope of Work for Windows & Doors Replacement in its entirety and replace with the following:

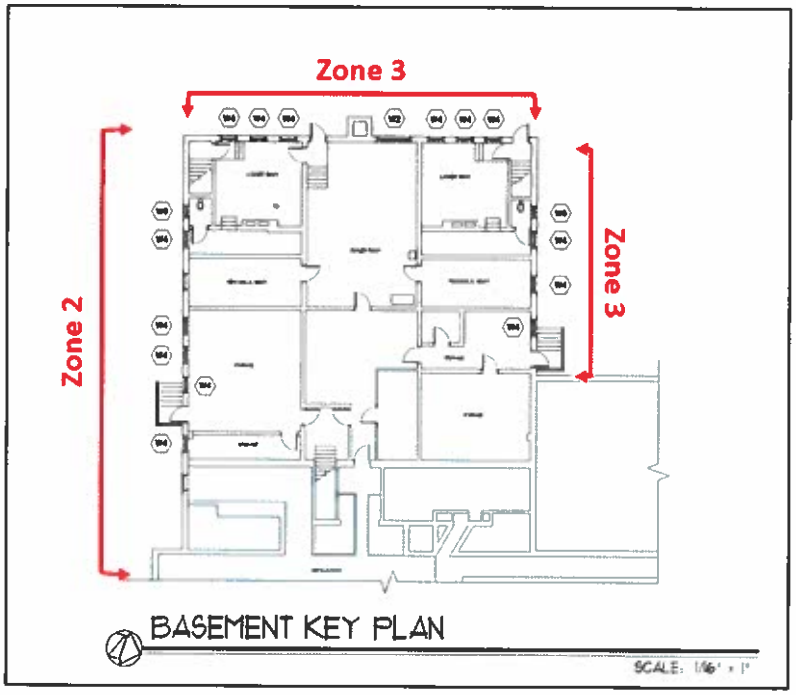
"Johnson Controls shall furnish and install following scope as part of this measure:

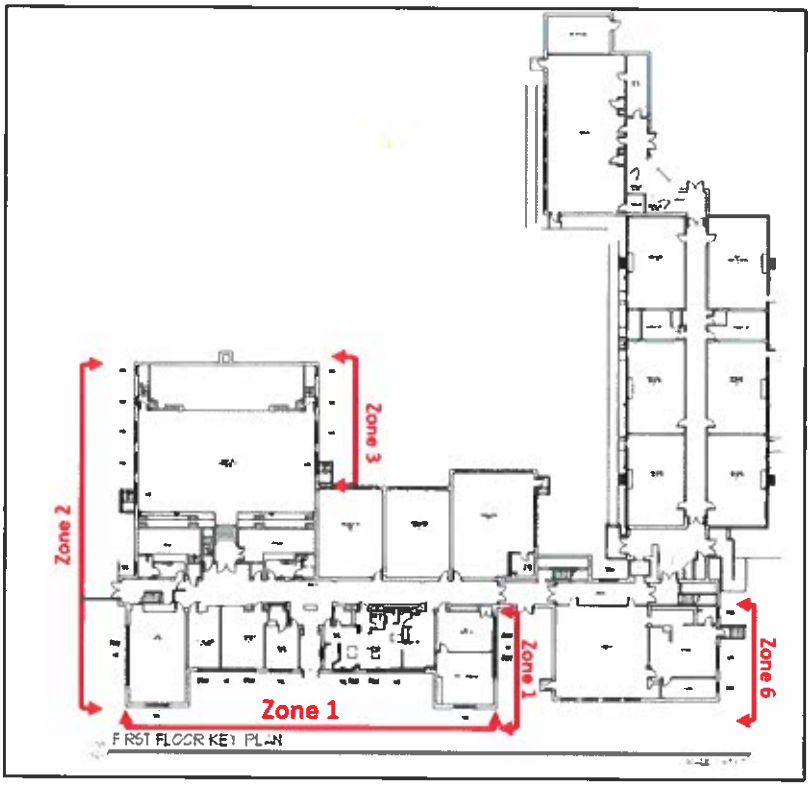
Johnson Controls will furnish and install new exterior double pane energy efficient windows and new exterior energy efficient Fiber Reinforced plastic FRP style doors listed below as per the NYS Energy Code in effect at the time of contract signing.

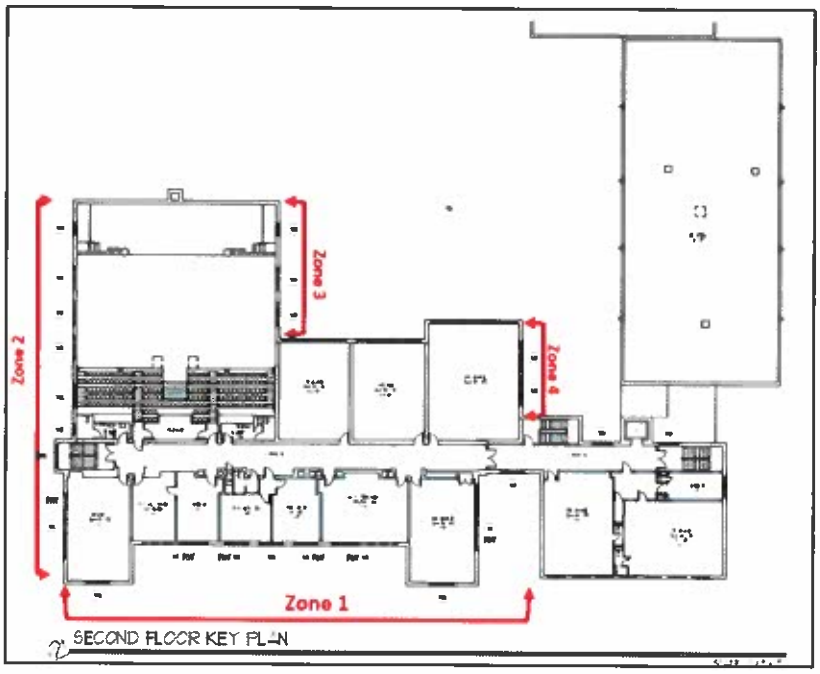
James Wilson Young Middle School
- *Replace Cafeteria Exit Doors*

Blue Point Elementary School
- *Replace West 1954/63 Windows*
- *Replace Gym Windows*
- *Replace Corridor Windows*

The areas for the window replacements at the Blue Point Elementary School are shown in the picture below.


Zone 3
Zone 2
Zone 3
BASEMENT KEY PLAN


Zone 3
Zone 2
Zone 1
Zone 1
Zone 6
FIRST FLOOR KEY PLAN


Zone 2
Zone 3
Zone 4
Zone 1
SECOND FLOOR KEY PLAN

The zones from the three floor plans above are summarized in the table below:

Bayport Bluepoint ES	Window Replacement (Sq. ft.)
Zone 1	2019
Zone 2	781
Zone 3	598
Zone 4	178
Zone 6	68
Total	***3,644***

The windows shall be Traco single hung windows. The doors shall be Vale FRP doors with Stanley/Best hardware including closers, hinges, panic bars, cylinders and saddles."

h. On page 40 of the Agreement, under ECM 8: Renewable Energy – Photovoltaic Electric Generation, remove the Scope of Work for Renewable Energy – Photovoltaic in its entirety and replace with the following:

"Johnson Controls will furnish, install and commission a total of 1683.24 KW roof-mounted, carport and canopy photovoltaic electrical generation systems as detailed in the Table below that will interconnect with the existing electrical distribution system at the associated schools.

The following Table identifies the PV sizes and installation type at each location:

Locations	Carport / Canopy System (kW-DC)	Roof Mount (kW-DC)	Total (kW-DC)
Bayport - Blue Point High School	*730.40*	*0.00*	***730.40***
James Wilson Young Middle School	*0.00*	*388.86*	***388.86***
Academy Street School	*0.00*	*222.03*	***222.03***
Sylvan Ave Elementary School	*78.02*	*263.94*	***341.96***
Totals	***808.42***	***874.82***	***1,683.24***

Turnkey installation includes the following specifications for new Roof Ballasted Systems:

- *UL Certificate*
- *New wiring to meet the requirements of the 2017 National Electric Code, as amended.*
- *Solar Module to be 72 cell 400 watt Hyundai, LG, JA Solar or equal and as approved by Customer's Architect/Engineer.*
- *Inverters to be Solectria, SMA or equal 1000 volt family.*
- *System to meet 2017 NEC Code, as amended.*
- *All required Interconnection to building system located as per 2017 NEC Code, as amended, lineside tap as determined by the utility(ies) having jurisdiction. The Customer shall not be responsible for any interconnection costs. All connection costs shall be the sole responsibility of JCI.*
- *Unirac RM, Ecofoot or equal self-ballasted racking system.*
- *Web based dashboard for PV production for students and staff to use and access.*

- *PV dashboard will be capable of logging 15 minute interval data for kW, kWh and solar irradiance.*
- *Furnish and install required ballast block.*
- *One time training to the District.*
- *District to support monitoring by supplying an IT drop to a gateway location and all necessary IP addresses that the District will maintain for 18 years.*
- *Protective slip sheet as roofing warranty certifications.*
- *SED approved system design drawings.*

Turnkey installation includes the following specifications for Carport, Canopy Systems:

- *Carport system to have a minimum height of 14 ft. in roadway areas*
- *Canopy system to have a minimum height of 10 ft.*
- *Solar Modules to be 72 cell 400 watt LG, Hyundai, JA Solar or equal.*
- *Solar Inverters to be Solectria, SMA or equal 1500 volt family.*
- *Solar equipment to be mounted at no less than 10 ft above grade.*
- *Conduit work up to 10 ft. above grade will be hard wall galvanized.*
- *New switchgear required will be completely fenced in with access gate.*
- *New underground conduit to be PVC.*
- *All work to conform to PSEG and/or any other utility, regulatory or governmental agencies requirements. JCI is responsible for all costs necessary to conform with these requirements.*
- *Canopy Racking system, including all hardware and module mounting hardware to be RBI Solar or Equal.*
- *New members and hardware are galvanized steel with Columns and Top Beams hot dipped to ASTM A123 and purlins pre-galvanized to a G140 minimum. Module hardware is stainless steel.*
- *New member connections shall be bolted. No on-site welding shall be required or undertaken without the prior written permission of the District and its Architect.*
- *Parking lot restoration in all affected areas to be saw cut and hot patched to match existing surface conditions.*
- *Columns to be set directly on concrete piers with chemical anchors or wet set anchor bolts.*
- *Temporary fencing, barricades or storage trailers necessary to secure site.*
- *Disposal of soil/spoil created from the foundation installation is included. JCI shall undertake all necessary soil testing and properly dispose of all soil at its cost and expense in accordance with all applicable laws, rules, regulations and codes in effect at the time of contract signing.*
- *Grounding hardware for modules and racking*
- *Module grounding to be per module manufacturer's installation instructions.*
- *Base design includes pre-punched holes in the purlin for wire management.*
- *RBI Solar model CPT galvanized steel canopy systems have undergone testing with Intertek towards ETL Classification for bonding and grounding to UL Standard 2703. This testing includes electrical bonding tests for PV module-to-racking connections, racking component-to-racking component connections, and canopy structure-to-grounding lug connections.*
- *Electrical Underwriters Certificate*
- *Electrical installation to be installed as per the NEC 2017 code, as amended and updated.*
- *Electrical conduit will be installed outside of concrete piers and/or baseplates.*
- *Two (2) Electric Vehicle (EV) Charging Stations.*
- *JCI will provide a web-based dashboard for PV production for students and staff to use and access*

- *District to support monitoring by supplying an IT drop to a gateway location and all necessary IP addresses that the district will maintain for 18 years.*
- *SED approved system design drawings.*

In the event that any of the building roofs, parking lots or walkways are determined to be unsuitable for roof mounted, carport, canopy PV arrays, Johnson Controls will attempt to move the arrays or portions of the arrays to another location that is suitable at any of the other buildings outlined above, subject to all necessary review and approvals.

Johnson Controls shall install the new PV systems with existing roof manufacturer standards to maintain current and any new roof warranty(ies) as it relates to the solar panel installation. At all locations, existing structural steel, joists, roof decks, parking lots, walkways are anticipated to be adequate for solar panel installation. If during the design phase the architect / engineer of record, BBS, encounter structural issues, geo-tech issues, drainage issues, septic system issues with any of roofs, roof framing, parking lots and walkways, JCI shall relocate the problem areas of solar arrays to a different location in order to maintain the 1683.24 kW DC of total system size, subject to all necessary review and approval as determined by the Customer. JCI shall be fully responsible for coordinating its work with ongoing capital work at the Customer's facilities, including roof, parking lot and walkways installations.

In the event that any of the proposed locations are determined to not be a viable option, the scope of work for this ECM shall be reduced subject to Customer's written approval by deduct change order and the costs associated with the reduced scope shall be credited to the Customer. The guaranteed savings would also be adjusted accordingly by a formal written amendment to the agreement. All adjustments require Customer's written approval and must maintain a positive cash flow as set forth in the contract documents.

The weather station monitoring is included through dashboard for the term of the contract. The weather station includes pyranometer at maximum of three (3) locations.

Power to the building will be temporarily shut down by the utility for up to four (4) hours during the tie-in. Co-ordination with the District will be required at the time of the tie-in.

To the extent that any trees or shrubbery interfere with the solar Canopy System at the Sylvan Ave. Elementary School, JCI shall remove said trees and shrubbery and replace the same at the sole cost and expense to JCI and at no cost to the Customer. The replaced trees and shrubbery shall be placed and installed at a location to be determined by the Customer. JCI further agrees to provide and install plantings, soil, etc. at the High School north parking lot location along the eastern fence line to shield the solar Carport as identified in the proposal from Bayport Flower House, Inc. dated October 3, 2018 and drawings of the same date, all of the foregoing at the sole cost and expense of JCI and at no cost to the Customer."

i. **On page 50 of the Agreement, under EXHIBIT 1: Total Project Benefits, delete the first paragraph and "Table 2.1.2: Total Project Benefits" in its entirety and replace with the following:**

"Subject to the terms and conditions of this Agreement, JCI guarantees that Customer will achieve a total of $11,132,325 in Measured Project Benefit (Utility Cost Avoidance Measurable Savings), $1,031,024 in Operations Cost Avoidance Savings and $251,000 in Guaranteed

Energy Rebates (onetime, non-recurring) during the term of this Agreement, for Total Guaranteed Project Benefits of $12,414,350 as set forth in the Total Project Benefits Table below.

Table 2.1: Total Project Benefits

Year	Utility Cost Avoidance* Measurable Savings	Operations & Maintenance Cost Avoidance**	Guaranteed Energy Rebate- Non Recurring Savings***	Total Guaranteed Project Benefits
1	$519,903	$48,151	$251,000	$819,054
2	$530,301	$49,114		$579,415
3	$540,907	$50,096		$591,003
4	$551,725	$51,098		$602,823
5	$562,760	$52,120		$614,880
6	$574,015	$53,163		$627,178
7	$585,495	$54,226		$639,721
8	$597,205	$55,310		$652,515
9	$609,149	$56,417		$665,566
10	$621,332	$57,545		$678,877
11	$633,759	$58,696		$692,455
12	$646,434	$59,870		$706,304
13	$659,363	$61,067		$720,430
14	$672,550	$62,288		$734,838
15	$686,001	$63,534		$749,535
16	$699,721	$64,805		$764,526
17	$713,715	$66,101		$779,816
18	$727,990	$67,423		$795,413
	$11,132,325	**$1,031,024**	**$251,000**	**$12,414,350**

**Utility Cost Avoidance is a Measured Project Benefit. Utility Cost Avoidance figures in the table above are based on anticipated 2% increase in unit energy costs as set forth in the Table in Exhibit 6.*
***Operational and maintenance cost avoidance figures in the Table above are based on anticipated 2% increase of material cost.*
**** See Exhibit 4 for rebate source."*

j. On page 53 of the Agreement, under "2.1 Summary of M&V Methodologies for the Project" paragraph 1, delete reference to "Table 2.2.1" and replace with "Table 2.1.1".

k. On page 53 of the Agreement, under "2.1 Summary of M&V Methodologies for the Project" paragraph 2, delete reference to "Table 2.2.2" and replace with "Table 2.1.2".

l. **On page 54 of the Agreement, delete "Table 2.1.1: Summary of M&V Options for Calculating Guarantee Tear 1 Project Benefits" in its entirety and replace with the following revised "Table 2.1.1: Summary of M&V Options for Calculating Guarantee Year 1 Project Benefits":**

ECM	Energy Conservation Measures	Electric Savings			M&V	Thermal Savings		M&V	Total Savings
		kW	kWh/yr	$/Year	Option	MMBTU/yr	$/year	Option	$/year
ECM 1	Lighting - Interior Lighting	222	724,044	$143,981	A	(784)	($6,607)	C	$137,374
ECM 2	Lighting - Exterior Lighting	0	55,540	$8,179	A	0	$0		$8,179
ECM 3.1	Energy Management System - Temperature Setback	0	0	$0		1,937	$16,079	C	$16,079
ECM 3.2	Energy Management System - Demand Controlled Ventilation	0	5,480	$801	A	298	$2,469	C	$3,270
ECM 3.3	Energy Management System - Optimal Start	0	0	$0		1,446	$12,084	C	$12,084
ECM 4	Heating Distribution System - Pipe and Valve Insulation	0	0	$0		1,186	$10,000	C	$10,000
ECM 5	Boiler - Replacements	0	0	$0		462	$4,070	C	$4,070
ECM 6	Window / Door - Replacements	0	1,698	$238	A	415	$3,464	C	$3,702
ECM 7	Motors - Replacements	3	7,860	$1,584	A	0	$0		$1,584
ECM 8	Renewable Energy- Photovoltaic Electric Generation	0	2,182,325	$316,326	B	0	$0		$316,326
ECM 9	Plug Load Controllers	0	12,646	$1,807	B	0	$0		$1,807
ECM 10	Unit Ventilators - Refurbishment / Replacement	0	0	$0		177	$1,406	C	$1,406
ECM 11	Air Conditioning Compressor Controllers	0	24,120	$3,510	A	0	$0		$3,510
ECM 12	Refrigeration Compressor Controllers	0	3,624	$510	A	0	$0		$510
Total Savings		225	3,017,337	$476,938		5,137	42,965		$519,903

m. **On page 54 of the Agreement, delete "Table 2.1.2: Summary of M&V Options for Calculating Construction Period and Guarantee Years 2-18 Project Benefits" in its entirety and replace with the following revised "Table 2.1.2: Summary of M&V Options for Calculating Construction Period and Guarantee Years 2-18 Project Benefits":**

ECM	Energy Conservation Measures	Electric Savings			Thermal Savings		Total Savings	M&V
		kW	kWh/yr	$/Year	MMBTU/yr	$/year	$/year	Option
ECM 1	Lighting - Interior Lighting	222	724,044	$143,981	(784)	($6,607)	$137,374	A
ECM 2	Lighting - Exterior Lighting	0	55,540	$8,179	0	$0	$8,179	A
ECM 3.1	Energy Management System - Temperature Setback	0	0	$0	1,937	$16,079	$16,079	B
ECM 3.2	Energy Management System - Demand Controlled Ventilation	0	5,480	$801	298	$2,469	$3,270	B
ECM 3.3	Energy Management System - Optimal Start	0	0	$0	1,446	$12,084	$12,084	B
ECM 4	Heating Distribution System - Pipe and Valve Insulation	0	0	$0	1,186	$10,000	$10,000	A
ECM 5	Boiler - Replacements	0	0	$0	462	$4,070	$4,070	A
ECM 6	Window / Door - Replacements	0	1,698	$238	415	$3,464	$3,702	A
ECM 7	Motors - Replacements	3	7,860	$1,584	0	$0	$1,584	A
ECM 8	Renewable Energy- Photovoltaic Electric Generation	0	2,182,325	$316,326	0	$0	$316,326	B
ECM 9	Plug Load Controllers	0	12,646	$1,807	0	$0	$1,807	B
ECM 10	Unit Ventilators - Refurbishment / Replacement	0	0	$0	177	$1,406	$1,406	A
ECM 11	Air Conditioning Compressor Controllers	0	24,120	$3,510	0	$0	$3,510	A
ECM 12	Refrigeration Compressor Controllers	0	3,624	$510	0	$0	$510	A
Total Savings		225	3,017,337	$476,938	5,137	42,965	$519,903	

n. **On page 55 of the Agreement, under Section 2.2.1 "NEMVP Option C M&V Plan", add the following new first paragraph:**

"Option C encompasses whole-facility or main-meter verification procedures that provide retrofit performance verification for those projects where whole-facility baseline and post-installation data is available to measure savings. Option C usually involves a continuous measurement of whole- facility energy use before the retrofit (baseline), and a continuous measurement of the whole- facility energy use after the retrofit (post-installation). Periodic inspections of the equipment may also be warranted."

o. On page 80 of the Agreement Exhibit 3: Measured Project Benefits, delete "Table 2.3: Measured Project Benefits Summary" in its entirety and replace with the following revised "Table 2.3: Measured Project Benefits Summary":

ECM	Energy Conservation Measures	Electric Savings			Thermal Savings		Total Savings
		kW	kWh/yr	$/Year	MMBTU/yr	$/year	$/year
ECM 1	Lighting - Interior Lighting	222	724,044	$143,981	(784)	($6,607)	$137,374
ECM 2	Lighting - Exterior Lighting	0	55,540	$8,179	0	$0	$8,179
ECM 3.1	Energy Management System - Temperature Setback	0	0	$0	1,937	$16,079	$16,079
ECM 3.2	Energy Management System - Demand Controlled Ventilation	0	5,480	$801	298	$2,469	$3,270
ECM 3.3	Energy Management System - Optimal Start	0	0	$0	1,446	$12,084	$12,084
ECM 4	Heating Distribution System - Pipe and Valve Insulation	0	0	$0	1,186	$10,000	$10,000
ECM 5	Boiler - Replacements	0	0	$0	462	$4,070	$4,070
ECM 6	Window / Door - Replacements	0	1,698	$238	415	$3,464	$3,702
ECM 7	Motors - Replacements	3	7,860	$1,584	0	$0	$1,584
ECM 8	Renewable Energy- Photovoltaic Electric Generation	0	2,182,325	$316,326	0	$0	$316,326
ECM 9	Plug Load Controllers	0	12,646	$1,807	0	$0	$1,807
ECM 10	Unit Ventilators - Refurbishment / Replacement	0	0	$0	177	$1,406	$1,406
ECM 11	Air Conditioning Compressor Controllers	0	24,120	$3,510	0	$0	$3,510
ECM 12	Refrigeration Compressor Controllers	0	3,624	$510	0	$0	$510
Total Savings		**225**	**3,017,337**	**$476,938**	**5,137**	**42,965**	**$519,903**

p. On page 81 of the Agreement, delete "Table 2.3.2: Detailed breakdown required by 8 N.Y.C.R.R. §155.20(d)(4)" in its entirety and replace with the following revised "Table 2.3.2: Detailed breakdown required by 8 N.Y.C.R.R. §155.20(d)(4)" :

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

Table 2.3.2 represents the detailed breakdown set forth in 8 N.Y.C.R.R. §155.20(d). Said chart is subject to modification based upon review by SED. All modifications to this Table must be submitted to the Customer for its written approval.

ECM #	Measure	Cost	Savings	Payback
ECM 1	Lighting - Interior Lighting	$1,432,571	$137,374	10.4
ECM 2	Lighting - Exterior Lighting	$66,719	$8,179	8.2
ECM 3.1	Energy Management System - Temperature Setback	$257,933	$16,079	16.0
ECM 3.2	Energy Management System - Demand Controlled Ventilation	$81,657	$3,270	25.0
ECM 3.3	Energy Management System - Optimal Start	$29,163	$12,084	2.4
ECM 4	Heating Distribution System - Pipe and Valve Insulation	$58,067	$10,000	5.8
ECM 5	Boiler - Replacements	$454,947	$4,070	111.8
ECM 6	Windows & Doors - Replacements	$854,923	$3,702	230.9
ECM 7	Motors - Replacements	$25,340	$1,584	16.0
ECM 8	Renewable Energy- Photovoltaic Electric Generation	$5,614,794	$316,326	17.8
ECM 9	Plug Load Controllers	$17,109	$1,807	9.5
ECM 10	Unit Ventilators - Refurbishment	$48,268	$1,406	34.3
ECM 11	Air Conditioning Compressor Controllers	$38,664	$3,510	11.0
ECM 12	Refrigeration Compressor Controllers	$5,185	$510	10.2
	O&M Savings		$48,151	
	Arch./Engineering Fees	$448,740		
	Project Mgmt., SED Submission, Energy Engineering & GC	$986,649		
	Totals	**$10,420,729**	**$568,053**	
	Rebates	$251,000		
	Simple Payback (Years)	**17.9**		

q. On page 82 of the Agreement, under EXHIBIT 4: Operational & Maintenance (O&M) and Rebate Project Benefits, delete the "Operational Cost Avoidance" section in its entirety and replace with following:

"M&V Option: *NEMVP-A*

For measures where the baseline (or boundary) is well understood, and measure operating hours are not currently expected to change, only the "change in equipment performance" is needed in order to calculate the savings (or cost avoidance). Therefore, the Operation and Maintenance savings accruing to the benefit of the School District is as follows:

Lighting Operational Cost Avoidance is calculated by comparing the existing lamp and ballast average failure rate and replacement cost with the proposed project replacement lamp and ballast average failure rate and replacement cost. Lighting operating hours are not expected to change. The total average annual savings is $25,068.

Unit ventilators which were constantly being maintained by the staff will be refurbished to operate like new and will not require the degree of maintenance as in the past. Savings are calculated

based on an average annual excess maintenance cost per uninvent for repair of broken valves, motors, dampers fans and other components. The total average annual savings is $2,946. Energy Management System Operational Cost Avoidance is calculated by comparing the cost of maintaining the existing pneumatic controls system and all associated components versus the new direct digital controls. Savings are based on reducing the cost of responding to and fixing temperature complaints. The average annual savings for all schools is determined to be $1,435.

Boiler Operational Cost Avoidance is calculated by comparing the cost of maintaining the existing boilers versus the newly installed boilers. The reduction in maintaining the new boilers is deemed to be the cost avoidance. The average annual savings for all schools is determined to be $10,665.

Windows and Doors Operational Cost Avoidance is calculated by comparing the cost of maintaining the existing Windows and Doors versus the newly installed Windows and Doors. The reduction in maintaining the new Windows and Doors is deemed to be the cost avoidance. The average annual savings for all schools is determined to be $8,037.

Total Operational Cost Avoidance: $ 48,151"

r. **On page 82 of the Agreement, the section titled "Guaranteed Energy Rebates/Incentives" shall be deleted in its entirety and replaced with the following:**

"Guaranteed Energy Rebates/Incentives:

PSEGLI/National Grid Rebates: $251,000

JCI will apply for utility company rebates programs at the time of application. JCI hereby guarantees the rebate amount of $251,000 and if the Customer receives a rebate less than the guaranteed amount then JCI will pay the difference in rebates to the Customer within thirty (30) days after the last rebate has been processed. All rebates and incentives shall inure to the benefit of Customer. All rebates and/or incentives shall be payable to Customer. JCI shall be responsible for assuring that said rebates/incentives and payments for rebate deficits are promptly distributed to Customer within or before the time periods specified in the cash flow statement at Attachment 10 as modified and approved by the Customer. In the event that the guaranteed rebates are not received by the Customer within the time periods specified in the cash flow statements, JCI shall immediately pay to the District the amount of such rebate within the time period specified in the cash flow statement. Notwithstanding the foregoing, if (a) the rebate is not distributed to the Customer within the specified time period, (b) JCI therefore pays $251,000 to the Customer and (c) the rebate is subsequently issued for the Project, the Customer shall transfer and pay to JCI the amount of such rebate, provided that the Customer retains any rebate amount in excess of $251,000.

Accordingly, if the rebate amount is greater than $251,000, such excess shall inure to the benefit of the Customer and such excess shall not be counted toward the Annual Project Benefits for any year of the Agreement or the Total Project Benefits. JCI shall be responsible for providing all documentation concerning rebates to the Customer and for providing the Customer with an accounting of all rebates applied for and received".

s. **On page 85 of the Agreement at "Exhibit 6: Baseline Calculations and Utility Rates" paragraph 1, delete the following sentence in its entirety "The Base Utility Cost for each type of utility represents the 12 month average utility costs from July 1, 2016 through June**

30, 2017, unless the time period used is otherwise modified by SED or requested by the Customer." and replace with the following: The Base Utility Cost for each type of utility represents the 12 month average utility costs from July 1, 2020 through June 30, 2021, unless the time period used is otherwise modified by SED or requested by the Customer.

t. **On page 85 of the Agreement, delete "Table 2.6.1: Baseline Electrical Consumption Data & Rates" in its entirety and replace with the following revised "Table 2.6.1: Baseline Electrical Consumption Data & Rates":**

Name	Demand kW	Avg kW Cost	Electric Usage kWh	Usage kWh Cost	Unblended $/kWh	Total Electric Cost	Cost per kWh (BEER)
Bayport-Blue Point High School	386	$16.11	1,522,500	$222,508	$0.15	$297,115	$0.20
JWY Middle School	192	$15.83	675,900	$99,291	$0.15	$135,782	$0.20
Academy Street Elementary	135	$16.06	533,600	$79,195	$0.15	$105,229	$0.20
Blue Point Elementary	75	$16.71	296,160	$40,905	$0.14	$55,959	$0.19
Sylvan Avenue Elementary	100	$16.12	281,600	$38,797	$0.14	$58,168	$0.21
Maintenance	11	$16.34	37,760	$5,991	$0.16	$8,140	$0.22
	899		**3,347,520**	**$486,687**		**$660,392**	

u. **On page 87 of the Agreement, delete "Table 2.6.2: Baseline Gas Consumption Data & Rates" in its entirety and replace with the following revised "Table 2.6.2: Baseline Gas Consumption Data & Rates":**

Name	Gas Usage (Therms)	Gas Cost	Cost Per Therm
Bayport-Blue Point High School	87,591	$72,986	$0.83
JWY Middle School	55,374	$44,057	$0.80
Academy Street Elementary	28,904	$25,443	$0.88
Blue Point Elementary	37,451	$31,398	$0.84
Sylvan Avenue Elementary	32,848	$28,510	$0.87
Maintenance	-	-	-
	242,168	**$202,395**	

v. **On page 87 of the Agreement, after the "Formula G-1" Table, add the following new "Table 2.6.3: Baseline Fuel Oil Consumption Data & Rates" and section:**

Table 2.6.3: Baseline Fuel Oil Consumption Data & Rates

Name	Oil Usage (Gallons)	Oil Cost	Cost Per Gallon
Bayport-Blue Point High School	0	$0	
JWY Middle School	0	$0	
Academy Street Elementary	0	$0	
Blue Point Elementary	0	$0	
Sylvan Avenue Elementary	0	$0	

Maintenance	5,371	$9,775	$1.82
	5,371	**$9,775**	

*The above rates shown above in Table 2.6.3 will be known as the **Floor Fuel Oil Rates** for the purpose of this Assured Performance Guarantee. The annual calculated FOR shall never go below the floor rate(s).*

In the event that the annual rates are lower than the above baseline rates, the 2% escalated floor rates will be substituted for the annual calculated rate.

The Fuel Oil unit costs have been averaged over the course of the one-year period. In turn, unit costs will be averaged over the course of the reporting period, as reflected on utility invoices, for equitable cost avoidance savings reporting.

The following formulas will be used to calculate the current reporting period Fuel Rate(s) for Fuel Oil:

FORMULA O-1

$$FOR = \Sigma TGC_{1\text{-}12} \div \Sigma TGU_{1\text{-}12}$$

Where:

FOR: Fuel Oil Rate ($/Gallon)

$\Sigma TGC_{1\text{-}12}$: Sum Total of Monthly Oil Costs ($)

$\Sigma TGU_{1\text{-}12}$: Sum Total of Monthly Oil Purchased (Gallons) for Mos. 1 – 12 of the reporting period

3. Delete "Attachment 4 – Lighting Survey line-by-line" and replace with "Attachment 4 – Lighting Line-by-line (Bayport-Blue Point Rev I 2-21-2022)" attached hereto and incorporated herein.

4. . Delete Attachment 8 – "Detailed Energy Audit" in its entirety and replace with the attached updated Attachment 8 "Detailed Energy Audit" dated December 2022 attached hereto and incorporated herein.

5. Delete Attachment 10 – "Pro Forma Cash Flow" in its entirety and replace with the attached updated Attachment 10 "Pro Forma Cash Flow" dated December 15, 2022 attached hereto and incorporated herein.

6. Nothing contained herein shall be deemed a waiver of any of the terms, provisions or conditions of the Agreement.

7. Pursuant to New York State Energy Law section 109, et. seq. and 8 N.Y.C.R.R. 155.20, the Agreement and this Amendment shall be executory only to the extent of the monies appropriated and available for the purposes of the Agreement, as amended, and no liability on account therefor shall be incurred beyond the amount of such monies. It is understood that neither the Agreement, as amended, nor any representation by any public employee or officer creates any legal or moral obligation to request, appropriate or make available monies for the purpose of the Agreement, as amended.

8. This Amendment supersedes and replaces any prior Amendment(s) to the Agreement and the Exhibits, Schedules and Attachments thereto. Except as expressly provided in this Amendment, all other terms, conditions and provisions of the Agreement shall continue in full force and effect as provided therein.

9. In executing this Amendment, the parties acknowledge that they have the authority to enter into this Amendment, and that all necessary action has been taken to cause this Amendment to become legal, valid and binding.

10. This Amendment may be executed in counterparts, each of which shall be deemed an original and all of which, together, shall constitute one and the same instrument. Electronic or facsimile signatures shall have the same force and effect as originals thereof.

IN WITNESS WHEREOF, JCI and Customer have entered this Amendment, effective as of the date first set forth above.

BAYPORT-BLUE POINT SCHOOL DISTRICT	**JOHNSON CONTROLS, INC.**
Signature:	Signature:
Printed Name: Michael Miller	Printed Name: ROBERT J. STEELE
Title: BOE President	Title: AREA GENERAL MANAGER
Date: 1/10/2023	Date: 1/9/2023

New Attachment 4 – Lighting Line-by-line (Bayport-Blue Point Rev I 02-21-2022)

Facility	Bayport-Blue Point High School
Location	200 Snedecor Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	593	1	2	Classroom 337 (1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	594	2	2	Boys Bathroom (2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	3	3	9	60	20	14	6	3,328	666	998	1,664	399	154	553	0.1	Cap	B
Bayport-Blue Point High School	595	3	2	Classroom 335 (3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	596	4	2	Classroom 333 (4)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	597	5	2	Girls Bathroom (5)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	26	18	8	3,328	666	998	1,664	30	67	97	0.0	Cap	B
Bayport-Blue Point High School	598	5	2	Girls Bathroom (5)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	35	26	18	8	3,328	666	998	1,664	60	133	193	0.0	Cap	B
Bayport-Blue Point High School	599	5	2	Girls Bathroom (5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	60	20	14	6	3,328	666	998	1,664	133	51	184	0.0	Cap	B
Bayport-Blue Point High School	600	6	2	Janitor office (6)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	9	60	27	19	8	2,064	826	826	413	409	201	609	0.2	Cap	B
Bayport-Blue Point High School	601	6.1	2	Janitor office foyer (6.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	16	5	4,860	972	2,916	972	321	199	520	0.1	Cap	B
Bayport-Blue Point High School	602	7	2	Elevator (7)	Downlight/CFL Screw In/11.0W/1 Lamp - 4 in/Can/Recessed	9W BR30 E26 4000K 120V Dimmable	6	6	8	13	9	9	0	8,760	8,760	-	-	210	-	210	0.0	NC	-
Bayport-Blue Point High School	603	8	2	Classroom 333 (8)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	604	9	2	Janitor Closet (9)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	3	3	9	13	9	9	0	1,043	1,043	-	-	13	-	13	0.0	NC	-
Bayport-Blue Point High School	605	9	2	Janitor Closet (9)	Downlight/Incandescent/75.0W/1 Lamp - Round/Medium (E26)/Surface	9W A19 E26 120V Dimmable, Enclosed	4	4	9	75	9	9	0	1,043	1,043	-	-	275	-	275	0.3	NC	-
Bayport-Blue Point High School	606	10	2	Classroom 332 (10)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	0	60	27	19	8	1,960	1,176	392	392	129	55	184	0.1	Cap	B
Bayport-Blue Point High School	607	11	2	Classroom 334 (11)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	0	60	27	19	8	1,960	1,176	392	392	388	165	553	0.2	Cap	B
Bayport-Blue Point High School	608	12	2	Classroom 336 (12)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	0	60	27	19	8	1,960	1,176	392	392	388	165	553	0.2	Cap	B
Bayport-Blue Point High School	609	13	2	Classroom 338 (13)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	0	60	27	19	8	1,960	1,176	392	392	388	165	553	0.2	Cap	B
Bayport-Blue Point High School	610	14	2	Classroom 340 (14)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	611	15	2	Hallway (15)	Exit & Emergency/Light Emiting Diode/5.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	0	5	5	5	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	612	15	2	Hallway (15)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	16	5	4,860	972	2,916	972	1,283	798	2,081	0.4	Cap	B
Bayport-Blue Point High School	613	16	2	Stairs (16)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	614	16	2	Stairs (16)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	16	60	27	16	5	4,860	972	3,888	-	802	472	1,274	0.2	Cap	B
Bayport-Blue Point High School	615	17	2	Stairs (17)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	616	17	2	Stairs (17)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	17	60	27	16	5	4,860	972	3,888	-	802	472	1,274	0.2	Cap	B
Bayport-Blue Point High School	617	18	2	Computer Room (18)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	10	10	9	60	27	19	8	1,960	784	784	392	647	318	964	0.4	Cap	B
Bayport-Blue Point High School	618	19	2	Computer Room Storage (19)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	4	4	9	60	20	14	6	1,043	209	313	522	167	64	231	0.2	Cap	B
Bayport-Blue Point High School	619	20	2	Office Foyer (20)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	16	5	4,860	972	2,916	972	321	199	520	0.1	Cap	B
Bayport-Blue Point High School	620	20.1	2	Office (20.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	2,064	826	826	413	136	67	203	0.1	Cap	B
Bayport-Blue Point High School	621	21	2	Classroom 233 (21)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	0	60	27	19	8	1,960	1,176	392	392	388	165	553	0.2	Cap	B
Bayport-Blue Point High School	622	22	2	Hallway (22)	Exit & Emergency/Light Emiting Diode/5.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	0	5	5	5	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	623	22	2	Hallway (22)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	7	7	9	60	27	16	5	4,860	972	2,916	972	1,123	698	1,821	0.3	Cap	B
Bayport-Blue Point High School	624	23	2	Janitor Closet (23)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	625	24	2	Storage (24)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	626	25	2	Storage (25)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	627	26	2	Bathroom (26)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	24	10	3,328	666	998	1,664	173	174	347	0.1	Cap	B
Bayport-Blue Point High School	628	26	2	Bathroom (26)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Bayport-Blue Point High School	629	27	2	Classroom 230 (27)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	630	27	2	Classroom 230 (27)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	631	28	2	Classroom 228 (28)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	632	28	2	Classroom 228 (28)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	633	29	2	Classroom 226 (29)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	634	29	2	Classroom 226 (29)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	635	30	2	Classroom 224 (30)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	636	30	2	Classroom 224 (30)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	637	31	2	Classroom 222 (31)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	638	31	2	Classroom 222 (31)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	639	32	2	Teachers Lounge (32)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	16	16	14	70	18	18	0	1,764	1,764	-	-	1,468	-	1,468	0.8	NC	-
Bayport-Blue Point High School	640	32	2	Teachers Lounge (32)	Downlight/Halogen /75.0W/2 Lamp - Round/Medium (E26)/Recessed/Integrated Backup	TWO 9W A19 E26 120V Dimmable, Enclosed	4	4	14	75	18	18	0	1,764	1,764	-	-	402	-	402	0.2	NC	-
Bayport-Blue Point High School	641	33	2	Hallway (33)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	642	33	2	Hallway (33)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	8	8	9	62	26	16	5	4,860	972	2,916	972	1,400	768	2,168	0.4	Cap	B
Bayport-Blue Point High School	643	33	2	Hallway (33)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	42	26	16	5	8,760	1,752	7,008	-	420	492	912	0.1	Cap	B
Bayport-Blue Point High School	644	33	2	Hallway (33)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	4	4	9	60	34	20	7	8,760	1,752	7,008	-	911	858	1,769	0.2	Cap	B
Bayport-Blue Point High School	645	33	2	Hallway (33)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	20	7	4,860	972	2,916	972	758	753	1,512	0.2	Cap	B
Bayport-Blue Point High School	646	34	2	Faculty Bathroom (34)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	647	35	2	Hallway (35)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	648	35	2	Hallway (35)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	13	13	9	65	37	22	7	4,860	972	2,916	972	1,769	1,777	3,546	0.6	Cap	B
Bayport-Blue Point High School	649	35	2	Hallway (35)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	16	5	4,860	972	2,916	972	481	299	780	0.1	Cap	B
Bayport-Blue Point High School	650	35	2	Hallway (35)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	20	7	4,860	972	2,916	972	253	251	504	0.1	Cap	B
Bayport-Blue Point High School	651	35	2	Hallway (35)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
Bayport-Blue Point High School	652	36	2	Classroom 219 (36)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	653	37	2	Classroom 217 (37)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	654	38	2	Classroom 215 (38)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	0	60	27	19	8	1,960	1,176	392	392	711	303	1,014	0.5	Cap	B
Bayport-Blue Point High School	655	39	2	Classroom 213 (39)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	0	60	27	19	8	1,960	1,176	392	392	711	303	1,014	0.5	Cap	B
Bayport-Blue Point High School	656	40	2	Boys Bathroom (40)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	0	60	27	19	8	3,328	666	998	1,664	439	277	716	0.2	Cap	B
Bayport-Blue Point High School	657	40	2	Boys Bathroom (40)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	62	22	15	7	3,328	666	998	1,664	266	113	379	0.1	Cap	B
Bayport-Blue Point High School	658	41	2	Custodial Closet (41)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Bayport-Blue Point High School	659	42	2	Custodial Closet (42)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Hard Lid	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Bayport-Blue Point High School	660	44	2	Hallway (44)	Exit & Emergency/Light Emiting Diode/5.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	0	5	5	5	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	661	44	2	Hallway (44)	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/T5 Twin Tube/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	13	4	4,860	972	2,916	972	63	81	144	0.0	Cap	B
Bayport-Blue Point High School	662	44	2	Hallway (44)	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/T5 Twin Tube/Recessed/Parabolic	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	13	4	4,860	972	2,916	972	63	81	144	0.0	Cap	B
Bayport-Blue Point High School	663	44	2	Hallway (44)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	9	60	27	16	5	4,860	972	2,916	972	1,764	1,097	2,861	0.5	Cap	B
Bayport-Blue Point High School	664	45	2	Classroom 211 (45)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	0	60	27	19	8	1,960	1,176	392	392	388	165	553	0.2	Cap	B
Bayport-Blue Point High School	665	46	2	Classroom 209 (46)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	0	60	27	19	8	1,960	1,176	392	392	711	303	1,014	0.5	Cap	B
Bayport-Blue Point High School	666	47	2	Classroom 207 (47)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	667	48	2	Classroom 205 (48)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	668	49	2	Classroom 203 (49)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	669	50	2	Classroom 201 (50)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	15	15	0	60	27	19	8	1,960	1,176	392	392	970	413	1,383	0.6	Cap	B
Bayport-Blue Point High School	670	51	2	Classroom 202 (51)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	0	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	671	52	2	Classroom 204 (52)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	672	53	2	Classroom 206 (53)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	673	54	2	Classroom 208 (54)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	674	55	2	Classroom 210 (55)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	0	60	27	19	8	1,960	1,176	392	392	711	303	1,014	0.5	Cap	B
Bayport-Blue Point High School	675	57	2	Hallway (57)	Exit & Emergency/Light Emiting Diode/5.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	0	5	5	5	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	676	57	2	Hallway (57)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Indirect/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	72	21	21	0	4,860	4,860	-	-	248	-	248	0.1	NC	-
Bayport-Blue Point High School	677	57	2	Hallway (57)	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/T5 Twin Tube/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	13	4	4,860	972	2,916	972	63	81	144	0.0	Cap	B
Bayport-Blue Point High School	678	57	2	Hallway (57)	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/T5 Twin Tube/Recessed/Parabolic	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	13	4	4,860	972	2,916	972	63	81	144	0.0	Cap	B
Bayport-Blue Point High School	679	57	2	Hallway (57)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	15	15	9	60	27	16	5	4,860	972	2,916	972	2,406	1,496	3,902	0.7	Cap	B
Bayport-Blue Point High School	680	56	2	Elevator (56)	Strip/T8 Fluorescent/28.0W/4 Lamp - Electronic/4 ft/Elevator/4 ft/Ceiling	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	85	42	42	0	8,760	8,760	-	-	377	-	377	0.0	NC	-
Bayport-Blue Point High School	681	43	2	Girls Bathroom (43)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	9	92	27	19	8	3,328	666	998	1,664	1,082	346	1,428	0.4	Cap	B
Bayport-Blue Point High School	682	58	2	Stairs (58)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	12	60	27	16	5	4,860	972	3,888	-	642	378	1,019	0.2	Cap	B
Bayport-Blue Point High School	683	59	2	Stairs (59)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	12	60	27	16	5	4,860	972	3,888	-	802	472	1,274	0.2	Cap	B
Bayport-Blue Point High School	684	59	2	Stairs (59)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	62	22	13	4	4,860	972	3,888	-	389	154	543	0.1	Cap	B
Bayport-Blue Point High School	685	59.1	2	Stairs (59.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	12	60	27	16	5	4,860	972	3,888	-	802	472	1,274	0.2	Cap	B
Bayport-Blue Point High School	686	59.1	2	Stairs (59.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	62	22	13	4	4,860	972	3,888	-	389	154	543	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	687	59.2	2	Stairs (59.2)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	688	59.2	2	Stairs (59.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	15	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
Bayport-Blue Point High School	689	59.2	2	Stairs (59.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	15	60	34	20	7	4,860	972	3,888	-	253	238	491	0.1	Cap	B
Bayport-Blue Point High School	690	59.2	2	Stairs (59.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	62	26	16	5	4,860	972	3,888	-	350	182	532	0.1	Cap	B
Bayport-Blue Point High School	691	59.2	2	Stairs (59.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	16	5	8,760	1,752	7,008	-	140	164	304	0.0	Cap	B
Bayport-Blue Point High School	692	145	2	Bathroom (145)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	92	27	19	8	3,328	666	998	1,664	216	69	286	0.1	Cap	B
Bayport-Blue Point High School	693	145	2	Bathroom (145)	Vapor Tight/Incandescent/75.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	3,328	3,328	-	-	220	-	220	0.1	NC	-
Bayport-Blue Point High School	694	146	2	Janitor Closet (146)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	0	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	695	147	2	Girls Locker Room (147)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	696	147	2	Girls Locker Room (147)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	697	147	2	Girls Locker Room (147)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	6	6	9	62	22	15	7	2,738	548	821	1,369	657	278	935	0.3	Cap	B
Bayport-Blue Point High School	698	147	2	Girls Locker Room (147)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	22	15	7	2,738	548	821	1,369	55	46	101	0.0	Cap	B
Bayport-Blue Point High School	699	147	2	Girls Locker Room (147)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	92	27	19	8	2,738	548	821	1,369	1,424	455	1,879	0.6	Cap	B
Bayport-Blue Point High School	700	144	2	Office (144)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	92	27	19	8	2,064	826	826	413	134	33	168	0.1	Cap	B
Bayport-Blue Point High School	701	148	2	Bathroom (148)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	92	27	19	8	3,328	666	998	1,664	216	69	286	0.1	Cap	B
Bayport-Blue Point High School	702	148	2	Bathroom (148)	Vapor Tight/Incandescent/75.0W/1 Lamp - Jelly Jar/Ceiling/No Lens	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	3,328	3,328	-	-	220	-	220	0.1	NC	-
Bayport-Blue Point High School	703	153	2	Upper Deck (153)	Downlight/CFL Screw In/11.0W/1 Lamp - hat/Medium (E26)/Pendant	9W BR30 E26 4000K 120V Dimmable	3	3	9	13	9	9	0	730	730	-	-	9	-	9	0.0	NC	-
Bayport-Blue Point High School	704	153	2	Upper Deck (153)	Downlight/CFL Screw In/11.0W/1 Lamp - hat/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	2	2	9	13	9	9	0	730	730	-	-	6	-	6	0.0	NC	-
Bayport-Blue Point High School	705	60	1	Main Foyer (60)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	706	60	1	Main Foyer (60)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	28	28	9	62	26	16	5	4,860	972	2,916	972	4,899	2,689	7,588	1.3	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	707	60	1	Main Foyer (60)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	7	7	9	42	26	16	5	8,760	1,752	7,008	-	981	1,148	2,129	0.2	Cap	B
Bayport-Blue Point High School	708	60.1	1	Main Foyer (60.1)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	709	60.1	1	Main Foyer (60.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	62	26	16	5	4,860	972	2,916	972	350	192	542	0.1	Cap	B
Bayport-Blue Point High School	710	60.1	1	Main Foyer (60.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	42	26	16	5	8,760	1,752	7,008	-	420	492	912	0.1	Cap	B
Bayport-Blue Point High School	711	61	1	Classroom 120 (61)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	712	61	1	Classroom 120 (61)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	713	62	1	Classroom 122 (62)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	714	62	1	Classroom 122 (62)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	715	63	1	Classroom 124 (63)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	716	63	1	Classroom 124 (63)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	717	64	1	Classroom 126 (64)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	718	64	1	Classroom 126 (64)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	719	65	1	Classroom 128 (65)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	60	34	24	10	1,960	1,176	392	392	153	104	257	0.1	Cap	B
Bayport-Blue Point High School	720	65	1	Classroom 128 (65)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	6	6	9	60	34	24	10	1,960	1,176	392	392	306	208	514	0.2	Cap	B
Bayport-Blue Point High School	721	66	1	Electrical Closet (66)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	26	18	8	1,043	209	313	522	9	21	30	0.0	Cap	B
Bayport-Blue Point High School	722	67	1	Electrical Closet (67)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	60	20	14	6	1,043	209	313	522	42	16	58	0.0	Cap	B
Bayport-Blue Point High School	723	68	1	Girls Bathroom (68)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	24	10	3,328	666	998	1,664	173	174	347	0.1	Cap	B

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	724	68	1	Girls Bathroom (68)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Bayport-Blue Point High School	725	69	1	Hallway (69)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	7	7	9	70	18	18	0	4,860	4,860	-	-	1,769	-	1,769	0.4	NC	-
Bayport-Blue Point High School	726	69	1	Hallway (69)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	4	4	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	727	69	1	Hallway (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	5	5	9	60	34	20	7	4,860	972	2,916	972	632	628	1,260	0.2	Cap	B
Bayport-Blue Point High School	728	69	1	Hallway (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	5	5	9	60	34	20	7	8,760	1,752	7,008	-	1,139	1,072	2,211	0.2	Cap	B
Bayport-Blue Point High School	729	69	1	Hallway (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	0	42	26	16	5	8,760	1,752	7,008	-	140	164	304	0.0	Cap	B
Bayport-Blue Point High School	730	69	1	Hallway (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	16	5	4,860	972	2,916	972	175	96	271	0.0	Cap	B
Bayport-Blue Point High School	731	69.1	1	Elevator (69.1)	Downlight/Halogen /35.0W/1 Lamp - MR16/GU10/MR16/Recessed	7W MR16 LED Plug In, dimmable	6	6	9	35	7	7	0	8,760	8,760	-	-	1,472	-	1,472	0.2	NC	-
Bayport-Blue Point High School	732	70	1	Mens Bathroom (70)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Bayport-Blue Point High School	733	71	1	Hallway (71)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	734	71	1	Hallway (71)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	16	5	4,860	972	2,916	972	1,283	798	2,081	0.4	Cap	B
Bayport-Blue Point High School	735	72	1	Elevator Foyer (72)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	16	5	4,860	972	2,916	972	321	199	520	0.1	Cap	B
Bayport-Blue Point High School	736	72.1	1	Elevator (72.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	8,760	1,752	7,008	-	578	293	871	0.1	Cap	B
Bayport-Blue Point High School	737	73	1	Office (73)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	9	60	27	19	8	2,064	826	826	413	409	201	609	0.2	Cap	B
Bayport-Blue Point High School	738	74	1	Janitor Closet (74)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	739	75	1	Classroom 323 (75)	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/T5 Twin Tube/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	35	22	15	7	1,960	1,176	392	392	102	90	192	0.1	Cap	B
Bayport-Blue Point High School	740	76	1	Computer Room 325 (76)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	9	9	9	65	27	19	8	1,960	784	784	392	670	286	956	0.4	Cap	B
Bayport-Blue Point High School	741	77	1	Women Faculty BR (77)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	3,328	3,328	-	-	13	-	13	0.0	NC	-

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	742	78	1	Men Faculty BR (78)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	3,328	3,328	-	-	13	-	13	0.0	NC	-
Bayport-Blue Point High School	743	79	1	Art Storage (79)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	1,043	209	313	522	69	43	112	0.1	Cap	B
Bayport-Blue Point High School	744	80	1	Computer Room 328 (80)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	12	12	9	65	27	19	8	1,960	784	784	392	894	381	1,275	0.6	Cap	B
Bayport-Blue Point High School	745	81	1	Computer Room 326 (81)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	3	3	9	65	27	19	8	1,960	784	784	392	223	95	319	0.1	Cap	B
Bayport-Blue Point High School	746	82	1	Computer Room 320 (82)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	12	12	9	65	27	19	8	1,960	784	784	392	894	381	1,275	0.6	Cap	B
Bayport-Blue Point High School	747	82.1	1	Computer Room 320A (82.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	2	2	9	65	27	19	8	1,960	784	784	392	149	64	212	0.1	Cap	B
Bayport-Blue Point High School	748	83	1	Hallway (83)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	749	83	1	Hallway (83)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	750	83	1	Hallway (83)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	751	83	1	Hallway (83)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	16	5	4,860	972	2,916	972	1,443	898	2,341	0.4	Cap	B
Bayport-Blue Point High School	752	84	1	Auditorium Foyer (84)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	13	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	753	84	1	Auditorium Foyer (84)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	18	18	13	62	22	15	7	3,129	1,252	1,877	-	2,253	669	2,922	0.8	Cap	B
Bayport-Blue Point High School	754	84.1	1	Auditorium Foyer (84.1)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	13	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	755	84.1	1	Auditorium Foyer (84.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	18	18	13	62	22	15	7	3,129	1,252	1,877	-	2,253	669	2,922	0.8	Cap	B
Bayport-Blue Point High School	756	84.2	1	Auditorium Foyer (84.2)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Candle Blunt/Recessed/No Lens	9W BR30 E26 4000K 120V Dimmable	12	12	16	13	9	9	0	3,129	3,129	-	-	150	-	150	0.0	NC	-
Bayport-Blue Point High School	757	84.2	1	Auditorium Foyer (84.2)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	11	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	758	84.2	1	Auditorium Foyer (84.2)	Wall Wash/CFL Pin Base/32.0W/1 Lamp - Electronic/10 in/Indirect/G24q(4-Pin)/CFQ/Horizontal/Wall	9W LED Side Mount CFL Replacement Ballast By-Pass	9	9	13	34	9	9	0	3,129	3,129	-	-	704	-	704	0.2	NC	-
Bayport-Blue Point High School	759	85	1	Auditorium (85)	Decorative Indoor/CFL Screw In/11.0W/1 Lamp - Indirect/Junction Box	9W A19 E26 120V Dimmable, Enclosed	12	12	13	13	9	9	0	3,129	3,129	-	-	150	-	150	0.0	NC	-

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	760	85	1	Auditorium (85)	Downlight/Metal Halide/100.0W/1 Lamp - Magnetic/Round/Recessed/No Lens	35W LED Downlight HID Ballast By-pass Screw-in	50	50	27	120	35	35	0	3,129	3,129	-	-	13,298	-	13,298	4.3	NC	-
Bayport-Blue Point High School	761	85	1	Auditorium (85)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	5	5	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	762	85	1	Auditorium (85)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	763	85.1	1	Auditorium Observation (85.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	3,129	1,252	1,252	626	207	101	308	0.1	Cap	B
Bayport-Blue Point High School	764	86	1	Stage (86)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	765	86	1	Stage (86)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/2x4 ft/Linear/4 ft/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	12	12	34	234	140	84	28	3,129	1,252	1,252	626	3,530	3,575	7,104	1.8	Cap	A
Bayport-Blue Point High School	766	86.1	1	Stage (86.1)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	767	86.1	1	Stage (86.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	3,129	1,252	1,252	626	125	41	166	0.0	Cap	B
Bayport-Blue Point High School	768	86.1	1	Stage (86.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	22	15	7	8,760	1,752	7,008	-	175	119	295	0.0	Cap	B
Bayport-Blue Point High School	769	86.2	1	Stage (86.2)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	770	86.2	1	Stage (86.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	3,129	1,252	1,252	626	125	41	166	0.0	Cap	B
Bayport-Blue Point High School	771	86.2	1	Stage (86.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	22	15	7	8,760	1,752	7,008	-	175	119	295	0.0	Cap	B
Bayport-Blue Point High School	772	86.3	1	Stage (86.3)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	773	86.3	1	Stage (86.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	62	22	15	7	3,129	1,252	1,252	626	375	124	499	0.1	Cap	B
Bayport-Blue Point High School	774	87	1	Hallway (87)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	775	87	1	Hallway (87)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	5	5	9	42	22	13	4	8,760	1,752	7,008	-	876	694	1,570	0.1	Cap	B
Bayport-Blue Point High School	776	87	1	Hallway (87)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	16	5	4,860	972	2,916	972	642	399	1,040	0.2	Cap	B
Bayport-Blue Point High School	777	88	1	Girls Room (88)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	3,328	666	998	1,664	220	138	358	0.1	Cap	B
Bayport-Blue Point High School	778	88	1	Girls Room (88)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	3,328	666	998	1,664	133	56	189	0.0	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	779	89	1	Boys Room (89)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	3,328	666	998	1,664	220	138	358	0.1	Cap	B
Bayport-Blue Point High School	780	89	1	Boys Room (89)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	22	15	7	3,328	666	998	1,664	67	56	123	0.0	Cap	B
Bayport-Blue Point High School	781	90	1	Storage (90)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/6 in/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	1,043	1,043	-	-	44	-	44	0.0	NC	-
Bayport-Blue Point High School	782	91	1	Hallway (91)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	783	91	1	Hallway (91)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	16	5	4,860	972	2,916	972	642	399	1,040	0.2	Cap	B
Bayport-Blue Point High School	784	92	1	Chorus Room 1 (92)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	10	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	785	92	1	Chorus Room 1 (92)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	23	23	15	60	27	19	8	1,960	784	784	392	1,488	730	2,218	0.9	Cap	B
Bayport-Blue Point High School	786	92	1	Chorus Room 1 (92)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	1,960	1,176	392	392	176	41	217	0.1	Cap	B
Bayport-Blue Point High School	787	92	1	Chorus Room 1 (92)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	2	2	9	13	9	9	0	1,960	1,960	-	-	16	-	16	0.0	NC	-
Bayport-Blue Point High School	788	92.1	1	Boiler Room Foyer (92.1)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	8	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	789	92.1	1	Boiler Room Foyer (92.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	65	20	12	4	4,860	972	2,916	972	219	74	293	0.1	Cap	B
Bayport-Blue Point High School	790	93	1	Music Storage (93)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	8	60	27	19	8	1,043	209	313	522	103	65	168	0.1	Cap	B
Bayport-Blue Point High School	791	94	1	Music Office (94)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	8	60	27	19	8	2,064	826	826	413	204	100	305	0.1	Cap	B
Bayport-Blue Point High School	792	94.1	1	Music Office (94.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	60	20	14	6	2,064	826	826	413	83	25	107	0.0	Cap	B
Bayport-Blue Point High School	793	95	1	Music Office/Storage (95)	Strip/T12 Fluorescent/35.0W/1 Lamp - Magnetic/.5x4/Cove/Wall/No Lens/Wireguard	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	7	40	11	11	0	1,043	1,043	-	-	31	-	31	0.0	NC	-
Bayport-Blue Point High School	794	95	1	Music Office/Storage (95)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	8	60	27	19	8	1,043	209	313	522	69	43	112	0.1	Cap	B
Bayport-Blue Point High School	795	96	1	Chorus Room 2 (96)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	796	96	1	Chorus Room 2 (96)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	11	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	797	96	1	Chorus Room 2 (96)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	15	15	15	60	27	19	8	1,960	784	784	392	970	476	1,446	0.6	Cap	B
Bayport-Blue Point High School	798	96	1	Chorus Room 2 (96)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	1,960	1,176	392	392	176	41	217	0.1	Cap	B
Bayport-Blue Point High School	799	96	1	Chorus Room 2 (96)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	2	2	9	13	9	9	0	1,960	1,960	-	-	16	-	16	0.0	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	800	96	1	Chorus Room 2 (96)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	1,960	1,960	-	-	41	-	41	0.0	NC	-
Bayport-Blue Point High School	801	97	1	Classroom 310 (97)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	13	13	9	60	27	19	8	1,960	1,176	392	392	841	358	1,199	0.5	Cap	B
Bayport-Blue Point High School	802	98	1	Guidance Office (98)	Troffer/T8U Fluorescent/31.0W/2 Lamp - Electronic/2x2 ft/Parabolic Louver	2x2 LED Kit with Adaptable Controls	9	9	9	60	22	15	7	2,064	1,238	413	413	706	213	918	0.4	Cap	B
Bayport-Blue Point High School	803	99	1	Guidance Office Hallway (99)	Troffer/T8U Fluorescent/31.0W/2 Lamp - Electronic/2x2 ft/Parabolic Louver	2x2 LED Kit with Adaptable Controls	3	3	9	60	22	13	4	4,860	972	2,916	972	554	244	798	0.1	Cap	B
Bayport-Blue Point High School	804	100	1	Break Room (100)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	64	27	19	8	1,764	706	706	353	65	29	94	0.0	Cap	B
Bayport-Blue Point High School	805	101	1	Counselor Office (101)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	64	27	19	8	2,064	826	826	413	76	33	110	0.0	Cap	B
Bayport-Blue Point High School	806	102	1	Counselor Office (102)	Troffer/T8U Fluorescent/31.0W/2 Lamp - Electronic/2x2 ft/Parabolic Louver	2x2 LED Kit with Adaptable Controls	4	4	9	60	22	15	7	2,064	826	826	413	314	109	423	0.2	Cap	B
Bayport-Blue Point High School	807	103	1	Office Files (103)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,064	826	826	413	68	33	102	0.0	Cap	B
Bayport-Blue Point High School	808	104	1	Counselor Office Bard (104)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	2,064	826	826	413	186	50	235	0.1	Cap	B
Bayport-Blue Point High School	809	105	1	Counselor Mullins (105)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	2,064	826	826	413	186	50	235	0.1	Cap	B
Bayport-Blue Point High School	810	106	1	Counselor Sykes (106)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,064	826	826	413	186	67	253	0.1	Cap	B
Bayport-Blue Point High School	811	107	1	Counselor Birdsall (107)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	2,064	826	826	413	186	50	235	0.1	Cap	B
Bayport-Blue Point High School	812	108	1	Attendance Office (108)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	12	12	9	60	20	14	6	2,730	1,638	546	546	1,310	341	1,651	0.6	Cap	B
Bayport-Blue Point High School	813	109	1	Attendance Suspention (109)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	7	7	9	60	20	14	6	2,064	826	826	413	578	173	751	0.3	Cap	B
Bayport-Blue Point High School	814	110	1	Attendance 111 (110)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Surface	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	65	21	21	0	2,064	2,064	-	-	363	-	363	0.2	NC	-
Bayport-Blue Point High School	815	110.1	1	Attendance Br (110.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	65	20	14	6	2,064	826	826	413	93	25	118	0.1	Cap	B
Bayport-Blue Point High School	816	111	1	111b (111)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	2,064	2,064	-	-	8	-	8	0.0	NC	-
Bayport-Blue Point High School	817	112	1	Classroom 109 (112)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Surface	1x4 LED Fixture with Adaptable Controls Surf Mt	20	20	9	65	20	14	6	1,960	1,176	392	392	1,764	408	2,172	1.0	Cap	B
Bayport-Blue Point High School	818	113	1	Boys Room (113)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	3,328	666	998	1,664	439	277	716	0.2	Cap	B
Bayport-Blue Point High School	819	113.1	1	Boys Room foyer (113.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	16	5	4,860	972	2,916	972	160	100	260	0.0	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	820	114	1	Custodial Closet (114)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Bayport-Blue Point High School	821	115	1	Custodial Closet (115)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Wall/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Bayport-Blue Point High School	822	116	1	Girls Room (116)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	3,328	666	998	1,664	329	208	537	0.1	Cap	B
Bayport-Blue Point High School	823	116	1	Girls Room (116)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	3,328	666	998	1,664	133	56	189	0.0	Cap	B
Bayport-Blue Point High School	824	116.1	1	Girls Room foyer (116.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	16	5	4,860	972	2,916	972	160	100	260	0.0	Cap	B
Bayport-Blue Point High School	825	117	1	Classroom 108 (117)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Parabolic Louver/Recessed	2x2 LED Kit with Adaptable Controls	36	36	0	35	22	15	7	1,960	1,176	392	392	917	807	1,724	0.7	Cap	B
Bayport-Blue Point High School	826	117.1	1	Classroom 110 (117.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	62	22	15	7	1,960	1,176	392	392	314	90	403	0.2	Cap	B
Bayport-Blue Point High School	827	117.2	1	Classroom 108 (117.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	6	6	9	62	22	15	7	1,960	1,176	392	392	470	135	605	0.3	Cap	B
Bayport-Blue Point High School	828	117.2	1	Classroom 108 (117.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	7	60	20	14	6	1,960	1,176	392	392	78	20	99	0.0	Cap	B
Bayport-Blue Point High School	829	118	1	Classroom 112 (118)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,960	1,176	392	392	776	330	1,106	0.5	Cap	B
Bayport-Blue Point High School	830	118.1	1	Classroom 112 (118.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	4	4	9	42	26	18	8	1,960	1,176	392	392	125	106	231	0.1	Cap	B
Bayport-Blue Point High School	831	119	1	Classroom 114 (119)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	19	8	1,960	1,176	392	392	517	220	738	0.3	Cap	B
Bayport-Blue Point High School	832	119.1	1	Classroom 114 Br (119.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	1,960	1,176	392	392	78	22	101	0.0	Cap	B
Bayport-Blue Point High School	833	120	1	Classroom 116 (120)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	1,960	1,176	392	392	259	110	369	0.2	Cap	B
Bayport-Blue Point High School	834	121	1	Girls Room (121)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	3,328	666	998	1,664	439	277	716	0.2	Cap	B
Bayport-Blue Point High School	835	122	1	Classroom 118 (122)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	1,960	1,176	392	392	259	110	369	0.2	Cap	B
Bayport-Blue Point High School	836	123	1	Display Room (123)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	8	8	13	13	9	9	0	2,064	2,064	-	-	66	-	66	0.0	NC	-
Bayport-Blue Point High School	837	123	1	Display Room (123)	Downlight/CFL Screw In/11.0W/1 Lamp - 3 in/Track/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	5	5	9	13	9	9	0	2,064	2,064	-	-	41	-	41	0.0	NC	-
Bayport-Blue Point High School	838	123	1	Display Room (123)	Tracklight/CFL Screw In/11.0W/1 Lamp - Single Circuit/Medium (E26)	9W BR30 E26 4000K 120V Dimmable	8	8	12	13	9	9	0	2,064	2,064	-	-	66	-	66	0.0	NC	-
Bayport-Blue Point High School	839	124	1	Cafeteria Storage (124)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	1,043	209	313	522	69	43	112	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	840	125	1	Cafeteria Custodial (125)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	1,043	209	313	522	42	18	59	0.0	Cap	B
Bayport-Blue Point High School	841	126	1	Electrical Room (126)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	1,043	1,043	-	-	44	-	44	0.0	NC	-
Bayport-Blue Point High School	842	126.1	1	Electrical Room Bathroom (126.1)	Decorative Indoor/CFL Screw In/11.0W/1 Lamp - Vanity/Wall	9W A19 E26 120V Dimmable, Enclosed	2	2	8	13	9	9	0	3,328	3,328	-	-	27	-	27	0.0	NC	-
Bayport-Blue Point High School	843	127	1	Boiler Foyer (127)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	844	127	1	Boiler Foyer (127)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	65	21	21	0	4,860	4,860	-	-	214	-	214	0.0	NC	-
Bayport-Blue Point High School	845	127.1	1	Boiler Foyer (127.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	16	5	4,860	972	2,916	972	160	100	260	0.0	Cap	B
Bayport-Blue Point High School	846	129	1	Boiler Room (129)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	847	129	1	Boiler Room (129)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	9	42	21	21	0	1,043	1,043	-	-	66	-	66	0.1	NC	-
Bayport-Blue Point High School	848	129.1	1	Boiler Room (129.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	0	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	849	129.1	1	Boiler Room (129.1)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	850	129.1	1	Boiler Room (129.1)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	16	42	21	21	0	1,043	1,043	-	-	175	-	175	0.2	NC	-
Bayport-Blue Point High School	851	129.2	1	Boiler Room (129.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/1 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Bayport-Blue Point High School	852	130	1	Classroom 101 (130)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	19	19	9	60	20	14	6	1,960	1,176	392	392	1,490	387	1,877	0.9	Cap	B
Bayport-Blue Point High School	853	130.1	1	Classroom 101 (130.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	1,960	1,176	392	392	129	55	184	0.1	Cap	B
Bayport-Blue Point High School	854	131	1	Electrical Room (131)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	1	1	9	42	22	15	7	1,043	209	313	522	21	18	39	0.0	Cap	B
Bayport-Blue Point High School	855	131	1	Electrical Room (131)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface	2x4 LED Kit with Adaptable Controls	1	1	9	85	27	19	8	1,043	209	313	522	60	22	82	0.1	Cap	B
Bayport-Blue Point High School	856	132	1	Bathroom (132)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	3,328	666	998	1,664	220	138	358	0.1	Cap	B
Bayport-Blue Point High School	857	132.1	1	Bathroom (132.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	3,328	666	998	1,664	110	69	179	0.0	Cap	B
Bayport-Blue Point High School	858	133	1	Storage (133)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	1,043	209	313	522	34	22	56	0.0	Cap	B
Bayport-Blue Point High School	859	134	1	Girls Bathroom (134)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	3,328	666	998	1,664	220	138	358	0.1	Cap	B
Bayport-Blue Point High School	860	134.1	1	Bathroom (134.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	3,328	666	998	1,664	110	69	179	0.0	Cap	B

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	861	135	1	Boys Locker Room (135)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	862	135	1	Boys Locker Room (135)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	62	22	15	7	2,738	548	821	1,369	329	139	468	0.1	Cap	B
Bayport-Blue Point High School	863	135	1	Boys Locker Room (135)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	9	92	27	19	8	2,738	548	821	1,369	1,958	626	2,584	0.8	Cap	B
Bayport-Blue Point High School	864	135	1	Boys Locker Room (135)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	2,738	2,738	-	-	11	-	11	0.0	NC	-
Bayport-Blue Point High School	865	136	1	Hallway (136)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	866	136	1	Hallway (136)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	867	136	1	Hallway (136)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	0	42	22	13	4	8,760	1,752	7,008	-	175	139	314	0.0	Cap	B
Bayport-Blue Point High School	868	136	1	Hallway (136)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	9	92	27	16	5	4,860	972	2,916	972	1,580	499	2,078	0.4	Cap	B
Bayport-Blue Point High School	869	136.1	1	Hallway (136.1)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	92	27	16	5	4,860	972	2,916	972	316	100	416	0.1	Cap	B
Bayport-Blue Point High School	870	137	1	Office (137)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,064	826	826	413	68	33	102	0.0	Cap	B
Bayport-Blue Point High School	871	137	1	Office (137)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	15	7	2,064	826	826	413	83	27	110	0.0	Cap	B
Bayport-Blue Point High School	872	138	1	Office (138)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,064	826	826	413	68	33	102	0.0	Cap	B
Bayport-Blue Point High School	873	139	1	Janitor Closet (139)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	874	140	1	Bathroom (140)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	62	22	15	7	3,328	666	998	1,664	266	113	379	0.1	Cap	B
Bayport-Blue Point High School	875	141	1	Shower Room (141)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	92	27	16	5	3,911	782	2,347	782	254	80	334	0.1	Cap	B
Bayport-Blue Point High School	876	141	1	Shower Room (141)	Vapor Tight/Incandescent/75.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	3,911	3,911	-	-	258	-	258	0.1	NC	-
Bayport-Blue Point High School	877	142	1	Boys Locker Room (142)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	878	142	1	Boys Locker Room (142)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	62	22	15	7	2,738	548	821	1,369	438	186	624	0.2	Cap	B
Bayport-Blue Point High School	879	142	1	Boys Locker Room (142)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	5	5	9	92	27	19	8	2,738	548	821	1,369	890	285	1,174	0.4	Cap	B
Bayport-Blue Point High School	880	143	1	Bathroom (143)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	18	8	3,328	666	998	1,664	53	67	120	0.0	Cap	B
Bayport-Blue Point High School	881	149	1	Steps to Girls Locker Room (149)	Downlight/CFL Screw In/11.0W/2 Lamp - 12 in/12 in/Canopy/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	26	18	18	0	4,860	4,860	-	-	78	-	78	0.0	NC	-

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	882	149	1	Steps to Girls Locker Room (149)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	883	149	1	Steps to Girls Locker Room (149)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	16	5	4,860	972	3,888	-	175	91	266	0.0	Cap	B
Bayport-Blue Point High School	884	150	1	Foyer (150)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	11	62	26	16	5	4,860	972	2,916	972	350	192	542	0.1	Cap	B
Bayport-Blue Point High School	885	151	1	Girls Locker staircase (151)	Downlight/CFL Screw In/11.0W/2 Lamp - 12 in/12 in/Canopy/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	1	1	9	26	18	18	0	4,860	4,860	-	-	39	-	39	0.0	NC	-
Bayport-Blue Point High School	886	151	1	Girls Locker staircase (151)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	887	151	1	Girls Locker staircase (151)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	62	22	13	4	4,860	972	3,888	-	389	154	543	0.1	Cap	B
Bayport-Blue Point High School	888	152	1	Weight Room (152)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	889	152	1	Weight Room (152)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	17	17	9	60	34	20	7	3,911	782	2,347	782	1,729	1,718	3,447	0.7	Cap	B
Bayport-Blue Point High School	890	152	1	Weight Room (152)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	0	60	34	20	7	3,911	782	2,347	782	305	303	608	0.1	Cap	B
Bayport-Blue Point High School	891	154	1	Weight Room Foyer (154)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	13	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	892	154	1	Weight Room Foyer (154)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	13	60	34	20	7	8,760	1,752	7,008	-	456	429	884	0.1	Cap	B
Bayport-Blue Point High School	893	155	1	Vest (155)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	894	155	1	Vest (155)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	20	7	4,860	972	2,916	972	126	126	252	0.0	Cap	B
Bayport-Blue Point High School	895	155	1	Vest (155)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	60	34	20	7	8,760	1,752	7,008	-	456	429	884	0.1	Cap	B
Bayport-Blue Point High School	896	155.1	1	Custodial (155.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	1,043	209	313	522	38	21	58	0.0	Cap	B
Bayport-Blue Point High School	897	155.2	1	Custodial (155.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	1,043	209	313	522	38	21	58	0.0	Cap	B
Bayport-Blue Point High School	898	155.3	1	Custodial (155.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	1,043	209	313	522	38	21	58	0.0	Cap	B
Bayport-Blue Point High School	899	155.4	1	Office (155.4)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	2,064	826	826	413	54	42	96	0.0	Cap	B
Bayport-Blue Point High School	900	156	1	Ice Closet (156)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	18	8	1,043	209	313	522	17	21	38	0.0	Cap	B

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	901	157	1	Office (157)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	18	8	2,064	826	826	413	33	32	65	0.0	Cap	B
Bayport-Blue Point High School	902	157.1	1	Office (157.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	2,064	826	826	413	74	32	107	0.0	Cap	B
Bayport-Blue Point High School	903	158	1	Hallway (158)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	904	158	1	Hallway (158)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	20	7	4,860	972	2,916	972	253	251	504	0.1	Cap	B
Bayport-Blue Point High School	905	158	1	Hallway (158)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	0	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
Bayport-Blue Point High School	906	159	1	Locker Room (159)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	907	159	1	Locker Room (159)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	8	8	9	62	26	18	8	2,738	548	821	1,369	789	439	1,227	0.4	Cap	B
Bayport-Blue Point High School	908	159	1	Locker Room (159)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	42	26	18	8	2,738	548	821	1,369	88	110	197	0.0	Cap	B
Bayport-Blue Point High School	909	159	1	Locker Room (159)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	5	5	9	60	34	24	10	2,738	548	821	1,369	356	358	714	0.2	Cap	B
Bayport-Blue Point High School	910	159	1	Locker Room (159)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	4	4	9	60	34	24	10	2,738	548	821	1,369	285	287	571	0.1	Cap	B
Bayport-Blue Point High School	911	160	1	Office (160)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	2,064	826	826	413	54	42	96	0.0	Cap	B
Bayport-Blue Point High School	912	160.1	1	Office Bathroom (160.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	3,328	666	998	1,664	120	67	186	0.0	Cap	B
Bayport-Blue Point High School	913	161	1	Shower Room (161)	Downlight/CFL Screw In/11.0W/2 Lamp - Square/Medium (E26)/Recessed	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	26	18	18	0	3,911	3,911	-	-	63	-	63	0.0	NC	-
Bayport-Blue Point High School	914	161	1	Shower Room (161)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	62	26	16	5	3,911	782	2,347	782	282	155	436	0.1	Cap	B
Bayport-Blue Point High School	915	162	1	Cardio Room (162)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	916	162	1	Cardio Room (162)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	10	62	26	18	8	2,738	1,095	1,095	548	197	85	283	0.1	Cap	B
Bayport-Blue Point High School	917	162	1	Cardio Room (162)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	10	42	26	18	8	2,738	1,095	1,095	548	88	85	173	0.0	Cap	B
Bayport-Blue Point High School	918	162	1	Cardio Room (162)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	10	60	34	24	10	2,738	1,095	1,095	548	214	168	381	0.1	Cap	B

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	919	162	1	Cardio Room (162)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	12	12	10	60	34	24	10	2,738	1,095	1,095	548	854	670	1,525	0.4	Cap	B
Bayport-Blue Point High School	920	163	1	Cardio Room Foyer (163)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	10	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
Bayport-Blue Point High School	921	164	1	Hallway (164)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	6	6	10	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	922	164	1	Hallway (164)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	7	7	10	60	34	20	7	8,760	1,752	7,008	-	1,594	1,501	3,095	0.3	Cap	B
Bayport-Blue Point High School	923	164	1	Hallway (164)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	8	8	10	60	34	20	7	4,860	972	2,916	972	1,011	1,005	2,016	0.3	Cap	B
Bayport-Blue Point High School	924	164	1	Hallway (164)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	10	42	26	16	5	8,760	1,752	7,008	-	140	164	304	0.0	Cap	B
Bayport-Blue Point High School	925	165	1	Women's Bathroom (165)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	18	8	3,328	666	998	1,664	53	67	120	0.0	Cap	B
Bayport-Blue Point High School	926	165	1	Women's Bathroom (165)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	62	26	18	8	3,328	666	998	1,664	240	133	373	0.1	Cap	B
Bayport-Blue Point High School	927	166	1	Mens Bathroom (166)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	42	26	18	8	3,328	666	998	1,664	53	67	120	0.0	Cap	B
Bayport-Blue Point High School	928	166	1	Mens Bathroom (166)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	62	26	18	8	3,328	666	998	1,664	240	133	373	0.1	Cap	B
Bayport-Blue Point High School	929	167	1	Storage (167)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	930	168	1	Wrestling Room (168)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	20	20	14	60	34	20	7	3,911	782	2,347	782	2,034	2,021	4,055	0.8	Cap	B
Bayport-Blue Point High School	931	169	1	Handicap Elevator Stairs (169)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	4	4	11	42	26	16	5	8,760	1,752	7,008	-	561	656	1,217	0.1	Cap	B
Bayport-Blue Point High School	932	169	1	Handicap Elevator Stairs (169)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	11	62	26	16	5	4,860	972	3,888	-	350	182	532	0.1	Cap	B
Bayport-Blue Point High School	933	170	1	Hallway (170)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	934	170	1	Hallway (170)	Strip/T12 Fluorescent/36.0W/1 Lamp - Magnetic/4 ft/3 in/Cove/Ceiling/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	0	40	11	11	0	4,860	4,860	-	-	573	-	573	0.1	NC	-
Bayport-Blue Point High School	935	170	1	Hallway (170)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	19	19	9	92	27	16	5	4,860	972	2,916	972	6,002	1,895	7,897	1.4	Cap	B
Bayport-Blue Point High School	936	171	1	Hallway (171)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	937	171	1	Hallway (171)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	13	4	4,860	972	2,916	972	194	81	276	0.0	Cap	B
Bayport-Blue Point High School	938	171	1	Hallway (171)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	92	27	16	5	4,860	972	2,916	972	2,527	798	3,325	0.6	Cap	B
Bayport-Blue Point High School	939	172	1	Hallway (172)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	940	172	1	Hallway (172)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/2 ft/3 in/Cove/Ceiling/No Lens	Relamp, reballast to ONE 2' LED tube, new LBF, electronic ballast	1	1	9	25	9	9	0	4,860	4,860	-	-	80	-	80	0.0	NC	-
Bayport-Blue Point High School	941	172	1	Hallway (172)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/Cove/Ceiling/No Lens	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	9	25	11	11	0	4,860	4,860	-	-	70	-	70	0.0	NC	-
Bayport-Blue Point High School	942	172	1	Hallway (172)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	62	22	13	4	4,860	972	2,916	972	194	81	276	0.0	Cap	B
Bayport-Blue Point High School	943	172	1	Hallway (172)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	28	28	9	92	27	16	5	4,860	972	2,916	972	8,845	2,792	11,638	2.1	Cap	B
Bayport-Blue Point High School	944	173	1	Hallway (173)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	3	3	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	945	173	1	Hallway (173)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	23	23	9	62	22	13	4	4,860	972	2,916	972	4,471	1,869	6,340	1.1	Cap	B
Bayport-Blue Point High School	946	174	1	Hallway (174)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	947	174	1	Hallway (174)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	92	27	16	5	4,860	972	2,916	972	2,527	798	3,325	0.6	Cap	B
Bayport-Blue Point High School	948	175	1	Cafeteria (175)	Decorative Indoor/CFL Pin Base/36.0W/4 Lamp - Electronic/Chandeliers/2G11(4-Pin)/Pendant	FOUR 13W PLL replacement for 4-Pin 40W Biax lamp, Ballast Compatible	2	2	13	152	66	66	0	2,860	2,860	-	-	492	-	492	0.2	NC	-
Bayport-Blue Point High School	949	175	1	Cafeteria (175)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/Horizontal/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	9	9	12	70	18	18	0	2,860	2,860	-	-	1,338	-	1,338	0.5	NC	-
Bayport-Blue Point High School	950	175	1	Cafeteria (175)	Downlight/CFL Screw In/11.0W/2 Lamp - Square/Medium (E26)/Recessed	TWO 9W A19 E26 120V Dimmable, Enclosed	7	7	12	26	18	18	0	2,860	2,860	-	-	160	-	160	0.1	NC	-
Bayport-Blue Point High School	951	175	1	Cafeteria (175)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	952	175	1	Cafeteria (175)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	953	175	1	Cafeteria (175)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Pendant/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	954	175	1	Cafeteria (175)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	36	36	13	92	27	19	8	2,860	1,716	1,144	-	6,692	1,279	7,971	2.6	Cap	B
Bayport-Blue Point High School	955	176	1	Main Office (176)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	9	92	27	19	8	3,900	2,340	1,560	-	2,789	533	3,321	0.8	Cap	B
Bayport-Blue Point High School	956	176.1	1	Main Office (176.1)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	92	27	19	8	3,900	2,340	1,560	-	507	97	604	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	957	176.2	1	Main Office (176.2)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	85	37	26	11	3,900	2,340	1,560	-	187	66	254	0.1	Cap	B
Bayport-Blue Point High School	958	177	1	Main Office Room (177)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	62	22	15	7	3,900	2,340	1,560	-	1,248	316	1,564	0.4	Cap	B
Bayport-Blue Point High School	959	177.1	1	Main Office Bathroom (177.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Double Basket/4 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	62	26	18	8	3,328	666	998	1,664	120	67	186	0.0	Cap	B
Bayport-Blue Point High School	960	178	1	Basement Staircase (178)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/Stairwell/Ceiling	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	9	25	11	11	0	4,860	4,860	-	-	70	-	70	0.0	NC	-
Bayport-Blue Point High School	961	178	1	Basement Staircase (178)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	1	1	13	42	22	13	4	4,860	972	3,888	-	97	77	174	0.0	Cap	B
Bayport-Blue Point High School	962	179	1	Weight Room Storage (179)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x4 ft/Double Basket/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	34	24	10	1,043	209	313	522	1	27	28	0.0	Cap	B
Bayport-Blue Point High School	963	179	1	Weight Room Storage (179)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	964	180	1	Gym Storage (180)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	965	180.1	1	Gym Storage Bathroom (180.1)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	26	18	8	1,043	209	313	522	9	21	30	0.0	Cap	B
Bayport-Blue Point High School	966	180.2	1	Bathroom (180.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Bayport-Blue Point High School	967	180.3	1	Heater Room (180.3)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	18	8	1,043	209	313	522	9	21	30	0.0	Cap	B
Bayport-Blue Point High School	968	181	1	Locker Room (181)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	8	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	969	181	1	Locker Room (181)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket	2x2 LED Fixture with Adaptable Controls	10	10	9	35	26	18	8	2,738	548	821	1,369	246	548	795	0.2	Cap	B
Bayport-Blue Point High School	970	181	1	Locker Room (181)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	35	26	18	8	2,738	548	821	1,369	49	110	159	0.0	Cap	B
Bayport-Blue Point High School	971	182	1	Gym (182)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	4	4	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	972	182	1	Gym (182)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/4 ft/Surface/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	30	30	26	234	140	84	28	3,911	1,564	1,564	782	11,029	11,170	22,199	4.5	Cap	A
Bayport-Blue Point High School	973	183	1	Gym Storage (183)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x4 ft/Double Basket/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	34	24	10	1,043	209	313	522	1	27	28	0.0	Cap	B
Bayport-Blue Point High School	974	183	1	Gym Storage (183)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Bayport-Blue Point High School	975	184	1	Gym (184)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	976	184	1	Gym (184)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	977	184	1	Gym (184)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/2x4 ft/Linear/4 ft/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	46	46	20	234	140	84	28	3,911	1,564	1,564	782	16,911	17,127	34,038	6.9	Cap	A
Bayport-Blue Point High School	978	185	1	Gym Foyer (185)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	10	10	9	70	18	18	0	4,860	4,860	-	-	2,527	-	2,527	0.5	NC	-
Bayport-Blue Point High School	979	185	1	Gym Foyer (185)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	4	4	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	980	185	1	Gym Foyer (185)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x4 ft/Double Basket/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	35	34	20	7	8,760	1,752	7,008	-	18	429	446	0.0	Cap	B
Bayport-Blue Point High School	981	185	1	Gym Foyer (185)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket	2x2 LED Fixture with Adaptable Controls	5	5	9	35	26	16	5	4,860	972	2,916	972	219	480	699	0.1	Cap	B
Bayport-Blue Point High School	982	185	1	Gym Foyer (185)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	35	26	16	5	8,760	1,752	7,008	-	158	328	486	0.0	Cap	B
Bayport-Blue Point High School	983	185	1	Gym Foyer (185)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	20	7	4,860	972	2,916	972	253	251	504	0.1	Cap	B
Bayport-Blue Point High School	984	185	1	Gym Foyer (185)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	3	3	8	60	20	12	4	4,860	972	2,916	972	583	222	805	0.1	Cap	B
Bayport-Blue Point High School	985	186	1	School Gym Entrance (186)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	4	4	9	70	18	18	0	4,860	4,860	-	-	1,011	-	1,011	0.2	NC	-
Bayport-Blue Point High School	986	186	1	School Gym Entrance (186)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	987	187	1	Storage Wrestling Room (187)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	3	3	9	60	34	24	10	1,043	209	313	522	81	82	163	0.1	Cap	B
Bayport-Blue Point High School	988	188	1	Office Wrestling Room (188)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Double Basket/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	35	26	18	8	2,064	826	826	413	19	32	51	0.0	Cap	B
Bayport-Blue Point High School	989	188	1	Office Wrestling Room (188)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	18	8	2,064	826	826	413	19	32	51	0.0	Cap	B
Bayport-Blue Point High School	990	189	1	Outside Storage (189)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	65	21	21	0	1,043	1,043	-	-	92	-	92	0.1	NC	-
Bayport-Blue Point High School	991	189.1	1	Outside Storage (189.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Pendant/Integrated Backup	1x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	10	65	20	14	6	1,043	209	313	522	47	16	63	0.1	Cap	B
Bayport-Blue Point High School	992	190	1	Classroom 106A (190)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	1,960	1,960	-	-	82	-	82	0.0	NC	-
Bayport-Blue Point High School	993	191	1	Cafeteria Storage (191)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	18	42	21	21	0	1,043	1,043	-	-	88	-	88	0.1	NC	-
Bayport-Blue Point High School	994	192	1	Kitchen (192)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Recessed/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	995	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	9	65	21	21	0	2,580	2,580	-	-	908	-	908	0.4	NC	-
Bayport-Blue Point High School	996	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	14	14	9	60	20	14	6	2,580	1,032	1,548	-	1,445	390	1,835	0.6	Cap	B
Bayport-Blue Point High School	997	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/Integrated Backup	1x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	65	20	14	6	2,580	1,032	1,548	-	348	84	432	0.2	Cap	B
Bayport-Blue Point High School	998	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	3	3	9	60	34	24	10	2,580	1,032	1,548	-	201	142	343	0.1	Cap	B
Bayport-Blue Point High School	999	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	2,580	1,032	1,548	-	67	47	114	0.0	Cap	B
Bayport-Blue Point High School	1000	192	1	Kitchen (192)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x3 ft/Prismatic/4 ft/Recessed	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	2	2	9	65	20	20	0	2,580	2,580	-	-	232	-	232	0.1	NC	-
Bayport-Blue Point High School	1001	192.1	1	Kitchen Sink (192.1)	Downlight/CFL Screw In/11.0W/2 Lamp - Canopy/Medium (E26)/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	26	18	18	0	2,580	2,580	-	-	41	-	41	0.0	NC	-
Bayport-Blue Point High School	1002	192.2	1	Kitchen Exit Foyer (192.2)	Downlight/CFL Screw In/11.0W/2 Lamp - Canopy/Medium (E26)/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	1	1	9	26	18	18	0	4,860	4,860	-	-	39	-	39	0.0	NC	-
Bayport-Blue Point High School	1003	192.2	1	Kitchen Exit Foyer (192.2)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1004	192.3	1	Kitchen Exit Room (192.3)	Downlight/CFL Screw In/11.0W/1 Lamp - Medium (E26)/Surface/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	8,760	8,760	-	-	35	-	35	0.0	NC	-
Bayport-Blue Point High School	1005	192.4	1	Kitchen Freezer (192.4)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Ceiling	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	730	730	-	-	3	-	3	0.0	NC	-
Bayport-Blue Point High School	1006	192.5	1	Kitchen Storage (192.5)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	9	13	9	9	0	1,043	1,043	-	-	8	-	8	0.0	NC	-
Bayport-Blue Point High School	1007	192.6	1	Kitchen Storage (192.6)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	1,043	209	313	522	69	43	112	0.1	Cap	B
Bayport-Blue Point High School	1008	192.7	1	Kitchen Office (192.7)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,064	826	826	413	68	33	102	0.0	Cap	B
Bayport-Blue Point High School	1009	192.8	1	Kitchen Custodial (192.8)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	1010	192.8	1	Kitchen Custodial (192.8)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	1,043	209	313	522	34	22	56	0.0	Cap	B
Bayport-Blue Point High School	1011	192.9	1	Kitchen Bathroom (192.9)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/Integrated Backup	2x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	65	27	19	8	3,328	666	998	1,664	126	69	196	0.0	Cap	B
Bayport-Blue Point High School	1012	131.1	1	Elevator Room (131.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Bayport-Blue Point High School	1013	193	1	Staircase (193)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	2	2	12	65	37	22	7	4,860	972	3,888	-	272	259	531	0.1	Cap	B
Bayport-Blue Point High School	1014	193	1	Staircase (193)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	4,860	4,860	-	-	102	-	102	0.0	NC	-

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS	112,828	339,372	90.8		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	1015	194	1	Foyer (194)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	13	60	27	16	5	4,860	972	2,916	972	321	199	520	0.1	Cap	B
Bayport-Blue Point High School	1053	1	aseme	Basement (1)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	730	730	-	-	31	-	31	0.0	NC	-
Bayport-Blue Point High School	1054	1.1	aseme	Basement Room (1.1)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/14 in/Industrial/Hard Lid/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	730	730	-	-	15	-	15	0.0	NC	-
Bayport-Blue Point High School	1055	2	aseme	Basement Hallway (2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	60	21	21	0	4,860	4,860	-	-	190	-	190	0.0	NC	-
Bayport-Blue Point High School	1056	3	aseme	Basement Room (3)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1057	3	aseme	Basement Room (3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	42	21	21	0	730	730	-	-	61	-	61	0.1	NC	-
Bayport-Blue Point High School	1058	4	aseme	Basement Room (4)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	45	45	9	60	21	21	0	730	730	-	-	1,281	-	1,281	1.8	NC	-
Bayport-Blue Point High School	1059	5	aseme	Basement Hallway (5)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	60	21	21	0	4,860	4,860	-	-	758	-	758	0.2	NC	-
Bayport-Blue Point High School	1060	5.1	aseme	Basement Room (5.1)	Wrap/T8 Fluorescent/28.0W/4 Lamp - Electronic/2.5x4/Prismatic/Ceiling	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	5	5	9	85	42	42	0	730	730	-	-	157	-	157	0.2	NC	-
Bayport-Blue Point High School	1061	5.2	aseme	Basement Room (5.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	9	60	21	21	0	730	730	-	-	228	-	228	0.3	NC	-
Bayport-Blue Point High School	1062	6	aseme	Basement Room (6)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	60	21	21	0	730	730	-	-	28	-	28	0.0	NC	-
Bayport-Blue Point High School	1063	7	aseme	Basement Room (7)	Wrap/T8 Fluorescent/28.0W/4 Lamp - Electronic/2.5x4/Prismatic/Ceiling	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	85	42	42	0	730	730	-	-	31	-	31	0.0	NC	-
Bayport-Blue Point High School	1064	8	aseme	Basement Room (8)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/8 ft/Industrial/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	70	21	21	0	730	730	-	-	72	-	72	0.1	NC	-
Bayport-Blue Point High School	1065	8	aseme	Basement Room (8)	Wrap/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	730	730	-	-	15	-	15	0.0	NC	-
Bayport-Blue Point High School	1066	8	aseme	Basement Room (8)	Wrap/T8 Fluorescent/28.0W/4 Lamp - Electronic/2.5x4/Prismatic/Ceiling	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	8	8	9	85	42	42	0	730	730	-	-	251	-	251	0.3	NC	-
Bayport-Blue Point High School	1067	9	aseme	Basement Room (9)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x8/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	730	730	-	-	15	-	15	0.0	NC	-
Bayport-Blue Point High School	1068	9	aseme	Basement Room (9)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2.5x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	730	730	-	-	15	-	15	0.0	NC	-
Bayport-Blue Point High School	1069	1	asemen	Stairway (1)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	17	13	9	9	0	4,860	4,860	-	-	19	-	19	0.0	NC	-
Bayport-Blue Point High School	1070	1	asemen	Stairway (1)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/2 ft/Cove/Wall/No Lens	Relamp, reballast to ONE 2' LED tube, new LBF, electronic ballast	1	1	7	25	9	9	0	4,860	4,860	-	-	80	-	80	0.0	NC	-
Bayport-Blue Point High School	1071	2	asemen	Storage (2)	Wrap/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x8/Prismatic/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	25	21	21	0	1,043	1,043	-	-	4	-	4	0.0	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							2055	2055										226,544	112,828	339,372	90.8		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	1072	3	asemen	Basement (3)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	2	2	9	13	9	9	0	730	730	-	-	6	-	6	0.0	NC	-
Bayport-Blue Point High School	1073	3	asemen	Basement (3)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/8 ft/Industrial/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	9	70	21	21	0	730	730	-	-	286	-	286	0.4	NC	-
Bayport-Blue Point High School	1074	3	asemen	Basement (3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/4 ft/Wall/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	6	65	21	21	0	730	730	-	-	96	-	96	0.1	NC	-
Bayport-Blue Point High School	1075	3	asemen	Basement (3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	17	17	9	42	21	21	0	730	730	-	-	261	-	261	0.4	NC	-
Bayport-Blue Point High School	1076	4	asemen	Basement Room (4)	Downlight/Metal Halide/32.0W/1 Lamp Magnetic/Round/Medium (E26)/Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	40	9	9	0	730	730	-	-	23	-	23	0.0	NC	-
Bayport-Blue Point High School	1077	5	asemen	Boiler Room Staircase (5)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1078	5	asemen	Boiler Room Staircase (5)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1079	5	asemen	Boiler Room Staircase (5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	1	1	10	42	22	13	4	4,860	972	3,888	-	97	77	174	0.0	Cap	B
Bayport-Blue Point High School	1080	6	asemen	Boiler Room (6)	Downlight/CFL Screw In/11.0W/2 Lamp - Round/Medium (E26)/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	26	18	18	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
Bayport-Blue Point High School	1081	6	asemen	Boiler Room (6)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1082	6	asemen	Boiler Room (6)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1083	6	asemen	Boiler Room (6)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/1x4/Industrial/Ceiling/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	13	70	21	21	0	1,043	1,043	-	-	153	-	153	0.1	NC	-
Bayport-Blue Point High School	1084	6	asemen	Boiler Room (6)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/1x4/Industrial/Pendant/No Lens/Wireguard	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	10	10	9	42	21	21	0	1,043	1,043	-	-	219	-	219	0.2	NC	-
Bayport-Blue Point High School	1085	6	asemen	Boiler Room (6)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	1	1	14	42	22	15	7	1,043	209	313	522	21	18	39	0.0	Cap	B
Bayport-Blue Point High School	1086	1	Floor 0	Boys Locker Room (1)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	6	6	8	13	9	9	0	2,738	2,738	-	-	66	-	66	0.0	NC	-
Bayport-Blue Point High School	1087	1	Floor 0	Boys Locker Room (1)	Downlight/CFL Screw In/11.0W/2 Lamp - Canopy/Medium (E26)/Surface	TWO 9W A19 E26 120V Dimmable, Enclosed	4	4	9	26	18	18	0	2,738	2,738	-	-	88	-	88	0.0	NC	-
Bayport-Blue Point High School	1088	1	Floor 0	Boys Locker Room (1)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	25	20	14	6	2,738	548	821	1,369	27	84	112	0.0	Cap	B
Bayport-Blue Point High School	1089	1	Floor 0	Boys Locker Room (1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	3	3	9	42	22	15	7	2,738	548	821	1,369	164	139	303	0.1	Cap	B
Bayport-Blue Point High School	1090	1	Floor 0	Boys Locker Room (1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	5	5	9	65	21	21	0	2,738	2,738	-	-	602	-	602	0.2	NC	-
Bayport-Blue Point High School	1091	1	Floor 0	Boys Locker Room (1)	Troffer/T8U Fluorescent/31.0W/2 Lamp - Electronic/2x2 ft/Parabolic Louver	2x2 LED Kit with Adaptable Controls	7	7	9	60	22	15	7	2,738	548	821	1,369	728	325	1,053	0.3	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							2055 Fixture	2055 ty		Fixture Watts				timated Hours for Energy Savin				226,544 SAVINGS kWh Savings from Retrofit	112,828 kWh Savings from Controls	339,372 Total kWh Saved	90.8 Total kW Saved		
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off					Cap/NC	Sensor ey
Bayport-Blue Point High School	1092	2	Floor 0	Classroom 304 (2)	Downlight/Incandescent/75.0W/1 Lamp - Round/Medium (E26)/Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	1,960	1,960	-	-	129	-	129	0.1	NC	-
Bayport-Blue Point High School	1093	2	Floor 0	Classroom 304 (2)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	64	22	15	7	1,960	1,176	392	392	247	67	314	0.1	Cap	B
Bayport-Blue Point High School	1094	2	Floor 0	Classroom 304 (2)	Wrap/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	1,960	1,960	-	-	41	-	41	0.0	NC	-
Bayport-Blue Point High School	1095	3	Floor 0	Classroom 306 (3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	65	27	19	8	1,960	1,176	392	392	149	55	204	0.1	Cap	B
Bayport-Blue Point High School	1096	3	Floor 0	Classroom 306 (3)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	64	22	15	7	1,960	1,176	392	392	82	22	105	0.0	Cap	B
Bayport-Blue Point High School	1097	3	Floor 0	Classroom 306 (3)	Wrap/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4/Prismatic/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	1,960	1,960	-	-	41	-	41	0.0	NC	-
Bayport-Blue Point High School	1098	4	Floor 0	Classroom 308A (4)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	60	21	21	0	1,960	1,960	-	-	153	-	153	0.1	NC	-
Bayport-Blue Point High School	1099	5	Floor 0	Classroom 308 (5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	11	11	9	65	27	19	8	1,960	1,176	392	392	819	303	1,122	0.5	Cap	B
Bayport-Blue Point High School	1100	6	Floor 0	Hallway (6)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	2x2 LED Kit with Adaptable Controls	11	11	9	62	22	13	4	4,860	972	2,916	972	2,138	894	3,032	0.5	Cap	B
Bayport-Blue Point High School	1101	6	Floor 0	Hallway (6)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	16	5	4,860	972	2,916	972	321	199	520	0.1	Cap	B
Bayport-Blue Point High School	1102	7	Floor 0	Hallway (7)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1103	7	Floor 0	Hallway (7)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/Surface	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	65	21	21	0	4,860	4,860	-	-	1,283	-	1,283	0.3	NC	-
Bayport-Blue Point High School	1104	8	Floor 0	Music Storage (8)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Wide/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	60	21	21	0	1,043	1,043	-	-	163	-	163	0.2	NC	-
Bayport-Blue Point High School	1105	9	Floor 0	Hallway (9)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1106	9	Floor 0	Hallway (9)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1107	9	Floor 0	Hallway (9)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4/Prismatic/Recessed	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	42	21	21	0	4,860	4,860	-	-	408	-	408	0.1	NC	-
Bayport-Blue Point High School	1108	10	Floor 0	Room (10)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	6	6	9	65	37	26	11	2,064	826	826	413	347	275	622	0.2	Cap	B
Bayport-Blue Point High School	1109	7.1	Floor 0	Storage (7.1)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/1x4/Industrial/Ceiling/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	70	21	21	0	1,043	1,043	-	-	51	-	51	0.0	NC	-
Bayport-Blue Point High School	1110	7.2	Floor 0	Closet (7.2)	Strip/T12 Fluorescent/35.0W/2 Lamp - Magnetic/1x4/Industrial/Ceiling/No Lens	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	70	21	21	0	1,043	1,043	-	-	51	-	51	0.0	NC	-
Bayport-Blue Point High School	1111	7.3	Floor 0	Storage (7.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	1,043	209	313	522	103	65	168	0.1	Cap	B

								2055	2055										226,544	112,828	339,372	90.8	
						t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey

Facility	Bayport-Blue Point High School
Location	200 Snedecor Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

							118	118										7,202	-	7,202	-		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	1016	1	E	C Entrance (1)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	15	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1017	2	E	Classroom 126 (2)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	8	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1018	3	E	Entrance Crosswalk (3)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	8	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1019	4	E	Left Corner of Main (4)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	8	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1020	5	E	Main Foyer (5)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	8	8	9	70	18	18	0	4,380	4,380	-	-	1,822	-	1,822	-	NC	-
Bayport-Blue Point High School	1021	5	E	Main Foyer (5)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Horizontal/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	2	2	9	70	18	18	0	4,380	4,380	-	-	456	-	456	-	NC	-
Bayport-Blue Point High School	1022	6	E	Right of of Main (6)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	8	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1023	7	E	Front Poles (7)	Area Light/Light Emiting Diode/50.0W/1 Lamp - LED Corn Cob/Arm	No Retrofit	3	3	25	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1024	8	E	Exit Back Parking Lot (8)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1025	9	E	Blue Benches (9)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1026	10	E	Tan Wall (10)	Flood Light/High Pressure Sodium/100.0W/1 Lamp - Magnetic/Shoebox/Mogul (E39)/Wall	7,000 Lumen LED Flood Fixture	3	3	20	120	54	54	0	4,380	4,380	-	-	867	-	867	-	Cap	-
Bayport-Blue Point High School	1027	10	E	Tan Wall (10)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1028	11	E	Back Parking (11)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1029	12	E	Parking Lot (12)	Area Light/Light Emiting Diode/50.0W/1 Lamp - LED Corn Cob/Arm	No Retrofit	3	3	25	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1030	12	E	Parking Lot (12)	Area Light/Light Emiting Diode/50.0W/2 Lamp - LED-Corn Cob/Arm	No Retrofit	8	8	25	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1031	13	E	Gym Exit (13)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Horizontal/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	2	2	9	70	18	18	0	4,380	4,380	-	-	456	-	456	-	NC	-
Bayport-Blue Point High School	1032	13	E	Gym Exit (13)	Downlight/CFL Pin Base/32.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/CFQ/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	3	3	9	70	18	18	0	4,380	4,380	-	-	683	-	683	-	NC	-
Bayport-Blue Point High School	1033	14	E	Right of Gym (14)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-

							118	118										7,202	-	7,202	-		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Bayport-Blue Point High School	1034	15	E	Field Wall (15)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1035	16	E	G Wall (16)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	9	9	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1036	17	E	Between school & Admin. (17)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1037	18	E	Between school & Admin. (18)	Flood Light/High Pressure Sodium/100.0W/1 Lamp - Magnetic/Shoebox/Mogul (E39)/Wall	7,000 Lumen LED Flood Fixture	1	1	22	120	54	54	0	4,380	4,380	-	-	289	-	289	-	Cap	-
Bayport-Blue Point High School	1038	19	E	Football pole (19)	Flood Light/Metal Halide/1000.0W/1 Lamp - Magnetic/Arena & Stadium/Yoke	Very High Output Flood Light Fixture	6	6	25	1080	291	291	0	250	250	-	-	1,184	-	1,184	-	Cap	-
Bayport-Blue Point High School	1039	20	E	Between school & Admin. (20)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1040	21	E	Field Admin. (21)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1041	22	E	Looking towards Auditorium (22)	Flood Light/High Pressure Sodium/100.0W/1 Lamp - Magnetic/Shoebox/Mogul (E39)/Wall	7,000 Lumen LED Flood Fixture	2	2	23	120	54	54	0	4,380	4,380	-	-	578	-	578	-	Cap	-
Bayport-Blue Point High School	1042	23	E	Courtyard (23)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	10	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1043	23	E	Courtyard (23)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1044	24	E	Side Parking (24)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1045	25	E	Side Parking (25)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1046	26	E	Side Auditorium (26)	Vapor Tight/Incandescent/75.0W/1 Lamp - Jelly Jar/Medium (E26)/Wall	9W A19 E26 120V Dimmable, Enclosed	2	2	6	75	9	9	0	4,380	4,380	-	-	578	-	578	-	NC	-
Bayport-Blue Point High School	1047	26	E	Side Auditorium (26)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1048	27	E	Side Auditorium (27)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	14	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1049	28	E	Auditorium (28)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	7	7	14	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1050	29	E	Auditorium Side (29)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	14	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Bayport-Blue Point High School	1051	30	E	D Wall (30)	Flood Light/High Pressure Sodium/100.0W/1 Lamp - Magnetic/Shoebox/Mogul (E39)/Wall	7,000 Lumen LED Flood Fixture	1	1	14	120	54	54	0	4,380	4,380	-	-	289	-	289	-	Cap	-
Bayport-Blue Point High School	1052	30	E	D Wall (30)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	4	4	14	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-

Facility	JWY Middle School
Location	602 Sylvan Avenue, Bayport, NY 11705
Utility	PSEG LI

							1240	1240										79,071	36,543	115,615	36.9		
					t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1112	1	1	Attendance Office (1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	7	7	9	63	22	15	7	2,580	1,548	516	516	740	207	947	0.3	Cap	B
JWY Middle School	1113	2	1	Office Hallway (2)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	6	6	9	63	22	13	4	4,160	832	2,496	832	1,023	417	1,441	0.3	Cap	B
JWY Middle School	1114	3	1	Guidance Office (3)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	5	5	9	63	22	15	7	2,580	1,548	516	516	529	148	676	0.2	Cap	B
JWY Middle School	1115	4	1	Mrs. Cush (4)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	15	7	2,064	413	619	1,032	338	140	478	0.2	Cap	B
JWY Middle School	1116	5	1	102B (5)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1117	6	1	102C (6)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1118	7	1	Nurse Office (7)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,580	1,032	1,032	516	212	68	280	0.1	Cap	B
JWY Middle School	1119	8	1	Fishman (8)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1120	9	1	Mrs. Demeusy 106A (9)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1121	10	1	Storage (10)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	63	20	14	6	1,043	209	313	522	45	16	61	0.0	Cap	B
JWY Middle School	1122	11	1	Mr. Hughes (11)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	97	27	19	8	2,064	826	826	413	578	134	712	0.3	Cap	B
JWY Middle School	1123	12	1	ISS (12)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	2,064	2,064	-	-	33	-	33	0.0	NC	-
JWY Middle School	1124	12.1	1	ISS Storage (12.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
JWY Middle School	1125	13	1	Womens Bathroom (13)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	63	22	15	7	3,328	666	998	1,664	409	169	578	0.1	Cap	B
JWY Middle School	1126	14	1	Janitor Mop Room (14)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	2	2	8	25	9	9	0	1,043	1,043	-	-	33	-	33	0.0	NC	-
JWY Middle School	1127	15	1	Mens Bathroom (15)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	63	22	15	7	3,328	666	998	1,664	409	169	578	0.1	Cap	B
JWY Middle School	1128	16	1	Locker Area (16)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1129	16	1	Locker Area (16)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	10	10	9	63	22	15	7	2,704	541	811	1,352	1,109	458	1,567	0.5	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1130	17	1	Classroom 118 (17)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	16	16	9	63	22	15	7	1,680	1,008	336	336	1,102	308	1,410	0.8	Cap	B
JWY Middle School	1131	18	1	OFF 120 (18)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1132	19	1	Room 122 (19)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	2,064	826	826	413	85	27	112	0.0	Cap	B
JWY Middle School	1133	19.1	1	Desk room 122 (19.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,064	826	826	413	169	54	224	0.1	Cap	B
JWY Middle School	1134	20	1	Classroom 120 (20)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	16	16	9	63	22	15	7	1,680	1,008	336	336	1,102	308	1,410	0.8	Cap	B
JWY Middle School	1135	21	1	Craft Room (21)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/No Lens/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	65	27	19	8	1,680	672	672	336	766	327	1,093	0.6	Cap	B
JWY Middle School	1136	22	1	Art Storage (22)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	1,043	209	313	522	94	32	126	0.1	Cap	B
JWY Middle School	1137	23	1	Room 128 (23)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	15	7	2,064	826	826	413	338	109	447	0.2	Cap	B
JWY Middle School	1138	24	1	Womens Bathroom (24)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	3,328	666	998	1,664	273	113	386	0.1	Cap	B
JWY Middle School	1139	25	1	Mens Bathroom (25)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	3,328	666	998	1,664	273	113	386	0.1	Cap	B
JWY Middle School	1140	26	1	Faculty Dining (26)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	10	10	9	63	22	15	7	1,764	706	706	353	723	233	956	0.5	Cap	B
JWY Middle School	1141	26.1	1	Faculty Dining Foyer (26.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	13	4	4,160	832	2,496	832	341	139	480	0.1	Cap	B
JWY Middle School	1142	26.2	1	Faculty Serving Area (26.2)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	1,764	706	706	353	145	47	191	0.1	Cap	B
JWY Middle School	1143	27	1	Locker Area (27)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	8	25	9	9	0	2,704	2,704	-	-	43	-	43	0.0	NC	-
JWY Middle School	1144	27	1	Locker Area (27)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1145	27	1	Locker Area (27)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	15	15	9	63	22	15	7	2,704	541	811	1,352	1,663	687	2,350	0.7	Cap	B
JWY Middle School	1146	12.2	1	Storage (12.2)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
JWY Middle School	1147	28	1	Kitchen to Faculty Serving (28)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	2,580	1,032	1,032	516	212	68	280	0.1	Cap	B
JWY Middle School	1148	28.1	1	Kitchen locker (28.1)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	15	7	2,704	541	811	1,352	35	46	81	0.0	Cap	B
JWY Middle School	1149	28.2	1	Kitchen bathroom (28.2)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	15	7	3,328	666	998	1,664	43	56	100	0.0	Cap	B

							1240	1240										79,071	36,543	115,615	36.9		
					t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1150	29	1	Kitchen (29)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1151	29	1	Kitchen (29)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/3 ft/9 in/Kitchen Hood/3 ft/Recessed Ceiling	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	9	42	20	20	0	2,580	2,580	-	-	57	-	57	0.0	NC	-
JWY Middle School	1152	29	1	Kitchen (29)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	15	7	2,580	1,548	1,032	-	423	104	528	0.2	Cap	B
JWY Middle School	1153	29	1	Kitchen (29)	Troffer/T8 Fluorescent/17.0W/4 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	70	22	15	7	2,580	1,548	1,032	-	124	26	150	0.1	Cap	B
JWY Middle School	1154	29	1	Kitchen (29)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	2,580	1,548	1,032	-	341	128	469	0.2	Cap	B
JWY Middle School	1155	29.1	1	Serving Area 127A (29.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	2,860	1,144	1,144	572	378	185	563	0.2	Cap	B
JWY Middle School	1156	29.2	1	Left of Serving (29.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	2,860	1,144	1,144	572	283	139	422	0.1	Cap	B
JWY Middle School	1157	29.3	1	Serving Area 2 (29.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	5	5	9	60	27	19	8	2,860	1,144	1,144	572	472	232	704	0.2	Cap	B
JWY Middle School	1158	30	1	Receiving Area (30)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1159	30	1	Receiving Area (30)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V/No Lens	1x4 LED Kit with Adaptable Controls	1	1	9	65	20	14	6	2,580	1,032	1,032	516	116	31	147	0.1	Cap	B
JWY Middle School	1160	31	1	Receiving Area Storage (31)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V/No Lens	1x4 LED Kit with Adaptable Controls	4	4	9	65	20	14	6	1,043	209	313	522	188	64	252	0.2	Cap	B
JWY Middle School	1161	32	1	Janitor Closet (32)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V/No Lens	1x4 LED Kit with Adaptable Controls	1	1	9	65	20	14	6	1,043	209	313	522	47	16	63	0.1	Cap	B
JWY Middle School	1162	33	1	Girls Bathroom (33)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed	2x2 LED Fixture with Adaptable Controls	6	6	9	35	26	18	8	3,328	666	998	1,664	180	400	579	0.1	Cap	B
JWY Middle School	1163	33	1	Girls Bathroom (33)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	3,328	666	998	1,664	300	103	402	0.1	Cap	B
JWY Middle School	1164	34	1	Boys Bathroom (34)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed	2x2 LED Fixture with Adaptable Controls	5	5	9	35	26	18	8	3,328	666	998	1,664	150	333	483	0.1	Cap	B
JWY Middle School	1165	34	1	Boys Bathroom (34)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	18	8	3,328	666	998	1,664	10	67	77	0.0	Cap	B
JWY Middle School	1166	34	1	Boys Bathroom (34)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	4	4	9	65	20	14	6	3,328	666	998	1,664	599	205	804	0.2	Cap	B
JWY Middle School	1167	34.1	1	Boys Bathroom Storage (34.1)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
JWY Middle School	1168	35	1	Boys Locker Foyer (35)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	12	4	4,160	832	2,496	832	374	126	501	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1169	36	1	Boys Locker (36)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1170	36	1	Boys Locker (36)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	28	28	9	65	20	14	6	2,704	541	811	1,352	3,407	1,166	4,573	1.4	Cap	B
JWY Middle School	1171	37	1	Classroom 139 (37)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	12	12	9	60	34	24	10	1,680	1,008	336	336	524	356	881	0.4	Cap	B
JWY Middle School	1172	38	1	Classroom 141 (38)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1173	39	1	Classroom 143 (39)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	9	13	9	9	0	1,680	1,680	-	-	13	-	13	0.0	NC	-
JWY Middle School	1174	39	1	Classroom 143 (39)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	25	9	9	0	1,680	1,680	-	-	27	-	27	0.0	NC	-
JWY Middle School	1175	39	1	Classroom 143 (39)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
JWY Middle School	1176	40	1	Classroom 144 (40)	Strip/Light Emiting Diode/30.0W/1 Lamp - 8 ft/3 in/Architectural/Recessed	No Retrofit	3	3	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1177	40	1	Classroom 144 (40)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	14	14	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1178	40	1	Classroom 144 (40)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Integrated Backup	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1179	40.1	1	Classroom 144.1 (40.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Integrated Backup	No Retrofit	1	1	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1180	40.1	1	Classroom 144.1 (40.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1181	41	1	Classroom 148 (41)	Troffer/T8 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Single Basket/2 ft/Recessed	2x2 LED Fixture with Adaptable Controls	2	2	9	35	26	18	8	1,680	672	672	336	30	52	83	0.0	Cap	B
JWY Middle School	1182	41	1	Classroom 148 (41)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	6	6	9	35	22	15	7	1,680	1,008	336	336	131	115	246	0.1	Cap	B
JWY Middle School	1183	42	1	Classroom 146 (42)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1184	42	1	Classroom 146 (42)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	7	7	9	35	22	15	7	1,680	1,008	336	336	153	135	287	0.1	Cap	B
JWY Middle School	1185	43	1	Classroom 144 (43)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	8	8	9	35	22	15	7	1,680	1,008	336	336	175	154	328	0.2	Cap	B
JWY Middle School	1186	44	1	Classroom 142 (44)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	8	8	9	35	22	15	7	1,680	1,008	336	336	175	154	328	0.2	Cap	B
JWY Middle School	1187	45	1	Classroom 140 (45)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	8	8	9	35	22	15	7	1,680	1,008	336	336	175	154	328	0.2	Cap	B
JWY Middle School	1188	46	1	Classroom 138 (46)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	4	4	9	65	34	24	10	1,680	1,008	336	336	208	119	327	0.2	Cap	B
JWY Middle School	1189	47	1	Hallway (47)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1190	47	1	Hallway (47)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	7	7	9	63	22	13	4	4,160	832	2,496	832	1,194	487	1,681	0.3	Cap	B
JWY Middle School	1191	48	1	Hallway (48)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	8	13	9	9	0	4,160	4,160	-	-	17	-	17	0.0	NC	-
JWY Middle School	1192	48	1	Hallway (48)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1193	48	1	Hallway (48)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	13	4	4,160	832	2,496	832	341	139	480	0.1	Cap	B
JWY Middle School	1194	48	1	Hallway (48)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	16	5	4,160	832	2,496	832	137	85	223	0.0	Cap	B
JWY Middle School	1195	49	1	Hallway (49)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	8	13	9	9	0	4,160	4,160	-	-	33	-	33	0.0	NC	-
JWY Middle School	1196	49	1	Hallway (49)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	3	3	8	25	9	9	0	4,160	4,160	-	-	200	-	200	0.0	NC	-
JWY Middle School	1197	49	1	Hallway (49)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	3	3	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1198	49	1	Hallway (49)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	13	13	9	63	22	13	4	4,160	832	2,496	832	2,217	904	3,121	0.6	Cap	B
JWY Middle School	1199	49	1	Hallway (49)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic Display Case/4 ft/Recessed/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	65	21	21	0	4,160	4,160	-	-	183	-	183	0.0	NC	-
JWY Middle School	1200	50	1	Hallway (50)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1201	50	1	Hallway (50)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	13	4	4,160	832	2,496	832	54	70	124	0.0	Cap	B
JWY Middle School	1202	50	1	Hallway (50)	Troffer/T8 Fluorescent/17.0W/4 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	10	10	9	70	22	13	4	4,160	832	2,496	832	1,997	696	2,692	0.6	Cap	B
JWY Middle School	1203	50	1	Hallway (50)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Display Case/4 ft/Recessed/Prismatic	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	7	65	21	21	0	4,160	4,160	-	-	366	-	366	0.1	NC	-
JWY Middle School	1204	51	1	Hallway (51)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	4,160	4,160	-	-	17	-	17	0.0	NC	-
JWY Middle School	1205	51	1	Hallway (51)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	8	25	9	9	0	4,160	4,160	-	-	67	-	67	0.0	NC	-
JWY Middle School	1206	51	1	Hallway (51)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1207	51	1	Hallway (51)	Troffer/T12 Fluorescent/34.0W/4 Lamp - Magnetic/4x4 ft/Prismatic/4 ft/Recessed	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	140	42	42	0	4,160	4,160	-	-	408	-	408	0.1	NC	-
JWY Middle School	1208	51	1	Hallway (51)	Troffer/T8 Fluorescent/17.0W/4 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	8	8	9	70	22	13	4	4,160	832	2,496	832	1,597	556	2,154	0.5	Cap	B
JWY Middle School	1209	52	1	Hallway (52)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240									79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin			SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1210	52	1	Hallway (52)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	5	5	9	35	22	13	4	4,160	832	2,496	832	270	348	618	0.1	Cap	B
JWY Middle School	1211	53	1	Hallway (53)	Downlight/CFL Screw In/11.0W/1 Lamp - Adjustable Eyeball/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	4,160	4,160	-	-	17	-	17	0.0	NC	-
JWY Middle School	1212	53	1	Hallway (53)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1213	53	1	Hallway (53)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	28	28	9	35	22	13	4	4,160	832	2,496	832	1,514	1,948	3,462	0.6	Cap	B
JWY Middle School	1214	53	1	Hallway (53)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/2 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	1	1	7	42	20	12	4	4,160	832	2,496	832	92	63	155	0.0	Cap	B
JWY Middle School	1215	53	1	Hallway (53)	Troffer/T8 Fluorescent/25.0W/2 Lamp - Electronic/Instant/1X3 ft Display/Prismatic/3 ft/Recessed	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	4	4	7	43	20	20	0	4,160	4,160	-	-	383	-	383	0.1	NC	-
JWY Middle School	1216	54	1	Hallway (54)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	8	13	9	9	0	4,160	4,160	-	-	17	-	17	0.0	NC	-
JWY Middle School	1217	54	1	Hallway (54)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1218	54	1	Hallway (54)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	16	5	4,160	832	2,496	832	137	85	223	0.0	Cap	B
JWY Middle School	1219	55	1	Main Office (55)	Troffer/T8 Fluorescent/17.0W/3 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	6	6	9	53	22	15	7	2,580	1,548	1,032	-	480	157	637	0.2	Cap	B
JWY Middle School	1220	55.1	1	Main Office Copy Room (55.1)	Troffer/T8 Fluorescent/17.0W/3 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	9	53	22	15	7	2,580	1,032	1,032	516	160	68	228	0.1	Cap	B
JWY Middle School	1221	55.2	1	Main Office Room (55.2)	Troffer/T8 Fluorescent/17.0W/3 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V	2x2 LED Kit with Adaptable Controls	4	4	9	53	22	15	7	2,580	1,548	1,032	-	320	104	424	0.2	Cap	B
JWY Middle School	1222	56	1	Main Entrance (56)	Vapor Tight/T8 Fluorescent/28.0W/1 Lamp - Electronic/Instant/4 ft/Linear-Narrow/Hard lid Ceiling	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	9	25	11	11	0	4,160	4,160	-	-	121	-	121	0.0	NC	-
JWY Middle School	1223	57	1	Storage (57)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	16	16	10	25	11	11	0	1,043	1,043	-	-	242	-	242	0.2	NC	-
JWY Middle School	1224	58	1	Receiving 115 (58)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/3 in/Direct/4 ft/Pendant/120V/No Lens/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	11	11	10	42	21	21	0	2,580	2,580	-	-	596	-	596	0.2	NC	-
JWY Middle School	1225	60	1	115 Office Storage (60)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
JWY Middle School	1226	60.1	1	115 Office Storage Br (60.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
JWY Middle School	1227	59	1	Energy Room (59)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	10	25	11	11	0	2,064	2,064	-	-	180	-	180	0.1	NC	-
JWY Middle School	1228	61	1	115 Office (61)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	29	26	18	8	2,580	1,032	1,032	516	15	80	96	0.0	Cap	B

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1229	61.1	1	115 Office (61.1)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	12	25	11	11	0	2,580	2,580	-	-	37	-	37	0.0	NC	-
JWY Middle School	1230	63	1	2nd Auditorium Storage (63)	Strip/Light Emiting Diode/7.0W/1 Lamp - 4 ft/3 in/Direct/Pendant/Lens	No Retrofit	4	4	11	7	7	7	0	1,043	1,043	-	-	-	-	-	-	NC	-
JWY Middle School	1231	64	1	Storage (64)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	9	25	11	11	0	1,043	1,043	-	-	60	-	60	0.1	NC	-
JWY Middle School	1232	65	1	Stage storage (65)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	5	5	9	25	11	11	0	1,043	1,043	-	-	76	-	76	0.1	NC	-
JWY Middle School	1233	66	1	Stage (66)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	12	25	9	9	0	1,917	1,917	-	-	31	-	31	0.0	NC	-
JWY Middle School	1234	66	1	Stage (66)	Highbay/T8 Fluorescent/28.0W/4 Lamp - Electronic/1x4 ft/Linear/4 ft/Pendant/Hanger Chain/Wireguard	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	4	4	18	85	42	42	0	1,917	1,917	-	-	330	-	330	0.2	NC	-
JWY Middle School	1235	66	1	Stage (66)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Medium (E26)/Wall	9W A19 E26 120V Dimmable, Enclosed	7	7	12	13	9	9	0	1,917	1,917	-	-	54	-	54	0.0	NC	-
JWY Middle School	1236	66	1	Stage (66)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	20	42	21	21	0	1,917	1,917	-	-	161	-	161	0.1	NC	-
JWY Middle School	1237	67	1	Stage Main Exit (67)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	11	35	22	13	4	8,760	1,752	7,008	-	228	278	505	0.0	Cap	B
JWY Middle School	1238	68	1	Stage Back Exit (68)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	9	35	26	16	5	8,760	1,752	7,008	-	237	492	728	0.1	Cap	B
JWY Middle School	1239	69	1	Vestibule (69)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/Integrated Backup	2x2 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	6	6	9	35	22	13	4	8,760	1,752	7,008	-	683	833	1,516	0.1	Cap	B
JWY Middle School	1240	70	1	Auditorium (70)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	30	30	10	13	9	9	0	1,917	1,917	-	-	230	-	230	0.1	NC	-
JWY Middle School	1241	70	1	Auditorium (70)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	15	15	20	13	9	9	0	1,917	1,917	-	-	115	-	115	0.1	NC	-
JWY Middle School	1242	71	1	Mechanical Room (71)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	10	25	11	11	0	1,043	1,043	-	-	15	-	15	0.0	NC	-
JWY Middle School	1243	62	1	Boiler Room (62)	Strip/Light Emiting Diode/7.0W/1 Lamp - 4 ft/3 in/Direct/Pendant/Lens	No Retrofit	3	3	11	7	7	7	0	1,043	1,043	-	-	-	-	-	-	NC	-
JWY Middle School	1244	72	1	Gym (72)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	4	4	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1245	72	1	Gym (72)	Troffer/Light Emiting Diode/24.0W/4 Lamp - 2x4 ft/Prismatic/Recessed	No Retrofit	24	24	21	116	116	116	0	3,380	3,380	-	-	-	-	-	-	NC	-
JWY Middle School	1246	72.1	1	Gym Storage (72.1)	Strip/T12 Fluorescent/34.0W/1 Lamp - Magnetic/4 ft/Direct/Pendant/Hanger Chain	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	9	40	11	11	0	1,043	1,043	-	-	185	-	185	0.2	NC	-
JWY Middle School	1247	72.2	1	Gym Storage (72.2)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Pendant/Hanger Chain	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	6	6	9	25	11	11	0	1,043	1,043	-	-	91	-	91	0.1	NC	-
JWY Middle School	1248	72.3	1	Gym Weight Room (72.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	8	8	9	65	37	26	11	3,380	1,352	1,352	676	757	600	1,357	0.3	Cap	B
JWY Middle School	1249	72.4	1	Gym Weight Storage (72.4)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	42	21	21	0	1,043	1,043	-	-	44	-	44	0.0	NC	-

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1250	72.5	1	Gym Weight Entrance(72.5)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1251	72.5	1	Gym Weight Entrance(72.5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	5	5	9	60	34	20	7	4,160	832	2,496	832	541	537	1,078	0.2	Cap	B
JWY Middle School	1252	72.5	1	Gym Weight Entrance(72.5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
JWY Middle School	1253	72.6	1	Gym Weight Storage (72.6)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	42	21	21	0	1,043	1,043	-	-	88	-	88	0.1	NC	-
JWY Middle School	1254	72.7	1	Gym small (72.7)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1255	72.7	1	Gym small (72.7)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/4 ft/Surface/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	12	12	24	234	140	84	28	3,380	1,352	1,352	676	3,813	3,861	7,674	1.8	Cap	A
JWY Middle School	1256	72.8	1	Gym Weight Storage (72.8)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	42	21	21	0	1,043	1,043	-	-	88	-	88	0.1	NC	-
JWY Middle School	1257	72.9	1	Gym Weight Foyer (72.9)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1258	72.9	1	Gym Weight Foyer (72.9)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	5	5	9	60	34	20	7	4,160	832	2,496	832	541	537	1,078	0.2	Cap	B
JWY Middle School	1259	72.9	1	Gym Weight Foyer (72.9)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
JWY Middle School	1260	73	1	Girls Foyer (73)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	16	5	4,160	832	2,496	832	37	82	120	0.0	Cap	B
JWY Middle School	1261	73	1	Girls Foyer (73)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	16	5	8,760	1,752	7,008	-	26	164	190	0.0	Cap	B
JWY Middle School	1262	73.1	1	Girls Storage (73.1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Pendant	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	42	21	21	0	1,043	1,043	-	-	44	-	44	0.0	NC	-
JWY Middle School	1263	73.3	1	Girl locker (73.3)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1264	73.3	1	Girl locker (73.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	8	8	9	65	37	26	11	2,704	541	811	1,352	606	616	1,222	0.3	Cap	B
JWY Middle School	1265	73.3	1	Girl locker (73.3)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/Surface/Integrated Backup	2x4 LED Fixture with Adaptable Controls Surf Mt with emergency back-up to maintain required light levels at egress	4	4	9	65	27	19	8	2,704	541	811	1,352	411	225	636	0.2	Cap	B
JWY Middle School	1266	73.4	1	Girl locker shower (73.4)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	8	8	9	13	9	9	0	2,704	2,704	-	-	87	-	87	0.0	NC	-
JWY Middle School	1267	73.5	1	Girl locker br (73.5)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/120V	2x2 LED Fixture with Adaptable Controls	8	8	9	35	26	18	8	2,704	541	811	1,352	195	433	628	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1268	73.6	1	Girl locker office (73.6)	Troffer/T5 Fluorescent/17.0W/3 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	53	22	15	7	2,580	1,032	1,032	516	80	34	114	0.0	Cap	B
JWY Middle School	1269	73.7	1	Girl locker office br (73.7)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1270	73.7	1	Girl locker office br (73.7)	Troffer/T5 Fluorescent/17.0W/3 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	53	22	15	7	2,580	1,032	1,032	516	80	34	114	0.0	Cap	B
JWY Middle School	1271	73.2	1	Girls front Foyer (73.2)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1272	73.2	1	Girls front Foyer (73.2)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	16	5	8,760	1,752	7,008	-	26	164	190	0.0	Cap	B
JWY Middle School	1273	36.1	1	Boys Locker JC (36.1)	Downlight/Incandescent/75.0W/1 Lamp - Keyless/Medium (E26)/Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	2,704	2,704	-	-	178	-	178	0.1	NC	-
JWY Middle School	1274	36.2	1	Boys Locker shower (36.2)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Canopy/Surface	9W A19 E26 120V Dimmable, Enclosed	5	5	9	25	9	9	0	2,704	2,704	-	-	216	-	216	0.1	NC	-
JWY Middle School	1275	36.3	1	Boys Locker vestibule (36.3)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	63	20	12	4	4,160	832	2,496	832	179	63	242	0.1	Cap	B
JWY Middle School	1276	74	1	Cafeteria (74)	Decorative Indoor/T8 Fluorescent/25.0W/3 Lamp - Electronic/3 ft/Unique Round Deco/3 ft/Recessed	Relamp, reballast to THREE 3' LED tubes, new LBF, electronic ballast	18	18	13	65	30	30	0	2,860	2,860	-	-	1,802	-	1,802	0.6	NC	-
JWY Middle School	1277	74	1	Cafeteria (74)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	3	3	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1278	74.1	1	Cafeteria foyer (74.1)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	9	25	9	9	0	4,160	4,160	-	-	133	-	133	0.0	NC	-
JWY Middle School	1279	74.1	1	Cafeteria foyer (74.1)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1280	74.1	1	Cafeteria foyer (74.1)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	5	5	9	70	22	13	4	4,160	832	2,496	832	998	348	1,346	0.3	Cap	B
JWY Middle School	1281	74.2	1	Cafeteria Storage (74.2)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	9	25	9	9	0	1,043	1,043	-	-	33	-	33	0.0	NC	-
JWY Middle School	1282	74.3	1	Cafeteria foyer (74.3)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	2	2	9	25	9	9	0	4,160	4,160	-	-	133	-	133	0.0	NC	-
JWY Middle School	1283	74.4	1	Cafeteria Vestibule (74.4)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1284	74.4	1	Cafeteria Vestibule (74.4)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	70	22	13	4	4,160	832	2,496	832	399	139	538	0.1	Cap	B
JWY Middle School	1285	74.5	1	Cafeteria Storage (74.5)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Pendant/Hanger Chain	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	3	3	9	25	11	11	0	1,043	1,043	-	-	45	-	45	0.0	NC	-
JWY Middle School	1286	36.3	1	Boys Locker Office (36.3)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	3	3	9	70	22	15	7	2,580	1,032	1,032	516	372	102	474	0.2	Cap	B

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1287	36.4	1	Boys Locker Office br (36.4)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/6 in/Canopy - narrow/Medium (E26)/Wall Surface	9W BR30 E26 4000K 120V Dimmable	1	1	9	25	9	9	0	2,580	2,580	-	-	41	-	41	0.0	NC	-
JWY Middle School	1288	36.4	1	Boys Locker Office br (36.4)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed	2x2 LED Kit with Adaptable Controls	1	1	9	70	22	15	7	2,580	1,032	1,032	516	124	34	158	0.1	Cap	B
JWY Middle School	1289	75	1	External Storage (75)	Troffer/T12 Fluorescent/34.0W/2 Lamp - Magnetic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	70	20	14	6	1,043	209	313	522	52	16	68	0.1	Cap	B
JWY Middle School	1290	75	2	Lockers (75)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	8	25	9	9	0	2,704	2,704	-	-	43	-	43	0.0	NC	-
JWY Middle School	1291	75	2	Lockers (75)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1292	75	2	Lockers (75)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed	2x2 LED Fixture with Adaptable Controls	15	15	9	35	26	18	8	2,704	541	811	1,352	365	812	1,177	0.3	Cap	B
JWY Middle School	1293	76	2	Library (76)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	39	39	10	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1294	76	2	Library (76)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	10	10	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1295	76.1	2	Library (76.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	10	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1296	76.1	2	Library (76.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1297	76.2	2	Library (76.2)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1298	76.3	2	Library (76.3)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1299	77	2	Library Office (77)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1300	77	2	Library Office (77)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	5	5	9	30	30	30	0	2,580	2,580	-	-	-	-	-	-	NC	-
JWY Middle School	1301	78	2	Lockers (78)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	25	9	9	0	2,704	2,704	-	-	43	-	43	0.0	NC	-
JWY Middle School	1302	78	2	Lockers (78)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1303	78	2	Lockers (78)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	10	10	9	63	22	15	7	2,704	541	811	1,352	1,109	458	1,567	0.5	Cap	B
JWY Middle School	1304	79	2	Classroom 209 (79)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1305	79	2	Classroom 209 (79)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1306	79.1	2	Classroom 209 (79.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	3	3	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1307	79.1	2	Classroom 209 (79.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1308	80	2	Classroom 211 (80)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1309	80	2	Classroom 211 (80)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1310	81	2	Classroom 213 (81)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1311	81	2	Classroom 213 (81)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1312	82	2	Classroom 215 (82)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1313	82	2	Classroom 215 (82)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1314	83	2	Classroom 217 (83)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1315	83	2	Classroom 217 (83)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1316	84	2	Classroom 219 (84)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/3 ft/Science Fume Hood/Recessed Hardlid/Recessed	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	7	42	20	20	0	1,680	1,680	-	-	37	-	37	0.0	NC	-
JWY Middle School	1317	84	2	Classroom 219 (84)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	10	10	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1318	84	2	Classroom 219 (84)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	2	2	9	30	30	30	0	1,680	1,680	-	-	-	-	-	-	NC	-
JWY Middle School	1319	85	2	Preparation Room (85)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	3	3	9	30	30	30	0	2,064	2,064	-	-	-	-	-	-	NC	-
JWY Middle School	1320	85	2	Preparation Room (85)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric	No Retrofit	1	1	9	30	30	30	0	2,064	2,064	-	-	-	-	-	-	NC	-
JWY Middle School	1321	85.1	2	Preparation Room (85.1)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	10	25	11	11	0	2,064	2,064	-	-	120	-	120	0.1	NC	-
JWY Middle School	1322	86	2	Classroom 220 (86)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1323	87	2	Classroom 218 (87)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1324	88	2	Classroom 216 (88)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1325	89	2	Classroom 214 (89)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1326	90	2	Classroom 212 (90)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1327	91	2	Classroom 210 (91)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1328	92	2	Lockers (92)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	7	7	9	25	9	9	0	2,704	2,704	-	-	303	-	303	0.1	NC	-
JWY Middle School	1329	92	2	Lockers (92)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1330	92	2	Lockers (92)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	10	10	9	63	22	15	7	2,704	541	811	1,352	1,109	458	1,567	0.5	Cap	B
JWY Middle School	1331	93	2	Storage (93)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	25	11	11	0	1,043	1,043	-	-	30	-	30	0.0	NC	-
JWY Middle School	1332	94	2	Women's Bathroom (94)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/120V	2x2 LED Fixture with Adaptable Controls	5	5	9	35	26	18	8	3,328	666	998	1,664	150	333	483	0.1	Cap	B
JWY Middle School	1333	94	2	Women's Bathroom (94)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	18	8	3,328	666	998	1,664	10	67	77	0.0	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1334	94	2	Women's Bathroom (94)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	2	2	9	65	20	14	6	3,328	666	998	1,664	300	103	402	0.1	Cap	B
JWY Middle School	1335	95	2	Men's Bathroom (95)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/120V	2x2 LED Fixture with Adaptable Controls	6	6	9	35	26	18	8	3,328	666	998	1,664	180	400	579	0.1	Cap	B
JWY Middle School	1336	95	2	Men's Bathroom (95)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	3	3	9	65	20	14	6	3,328	666	998	1,664	449	154	603	0.2	Cap	B
JWY Middle School	1337	96	2	Janitor Closet (96)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/12 in/Wall	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
JWY Middle School	1338	97	2	Classroom 229 (97)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1339	98	2	Classroom 231 (98)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1340	99	2	Classroom 233 (99)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	1,680	1,008	336	336	138	38	176	0.1	Cap	B
JWY Middle School	1341	100	2	Classroom 235 (100)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	1,680	1,008	336	336	138	38	176	0.1	Cap	B
JWY Middle School	1342	101	2	Womens Bathroom (101)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	15	7	3,328	666	998	1,664	546	226	771	0.2	Cap	B
JWY Middle School	1343	102	2	Mens Bathroom (102)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	3,328	666	998	1,664	273	113	386	0.1	Cap	B
JWY Middle School	1344	103	2	Mop Closet (103)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	7	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
JWY Middle School	1345	104	2	Mechanical Closet (104)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/12 in/Wall	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
JWY Middle School	1346	105	2	Mechanical Closet (105)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/12 in/Wall	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
JWY Middle School	1347	106	2	Classroom 247 (106)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	1,680	1,008	336	336	138	38	176	0.1	Cap	B
JWY Middle School	1348	76.4	2	Mechanical Room (76.4)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/3 in/4 ft/Pendant/4100K	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	8	8	9	25	11	11	0	1,043	1,043	-	-	121	-	121	0.1	NC	-
JWY Middle School	1349	76.5	2	Library Storage (76.5)	Downlight/CFL Screw In/23.0W/1 Lamp - Keyless/Medium (E26)/Wall Surface	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
JWY Middle School	1350	107	2	Elevator (107)	Troffer/T12 Fluorescent/34.0W/2 Lamp - Magnetic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	8	70	27	19	8	8,760	1,752	7,008	-	753	293	1,047	0.1	Cap	B
JWY Middle School	1351	108	2	Mechanical Closet (108)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/12 in/Wall	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
JWY Middle School	1352	109	2	Classroom 249 (109)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1353	110	2	Classroom 251 (110)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1354	111	2	Classroom 253 (111)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1355	111.1	2	Classroom 253 (111.1)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	63	27	19	8	1,680	1,008	336	336	60	24	84	0.0	Cap	B
JWY Middle School	1356	112	2	Classroom 255 (112)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1357	113	2	Classroom 257 (113)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1358	114	2	Classroom 259 (114)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1359	114.1	2	Classroom 253 (114.1)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	63	20	14	6	1,680	1,008	336	336	72	17	90	0.0	Cap	B
JWY Middle School	1360	115	2	Classroom 259 (115)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1361	116	2	Classroom 259 (116)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1362	117	2	Classroom 259 (117)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1363	118	2	Classroom 259 (118)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1364	119	2	Classroom 259 (119)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1365	120	2	Classroom 259 (120)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	15	7	1,680	1,008	336	336	551	154	705	0.4	Cap	B
JWY Middle School	1366	121	2	Lockers (121)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	25	9	9	0	2,704	2,704	-	-	43	-	43	0.0	NC	-
JWY Middle School	1367	121	2	Lockers (121)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1368	121	2	Lockers (121)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	15	15	9	29	26	18	8	2,704	541	811	1,352	122	812	934	0.2	Cap	B
JWY Middle School	1369	122	2	Hallway library (122)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	6	6	9	63	22	13	4	4,160	832	2,496	832	1,023	417	1,441	0.3	Cap	B
JWY Middle School	1370	122	2	Hallway library (122)	Troffer/T5 Fluorescent/17.0W/3 Lamp - Electronic/1x2 ft/Prismatic/Recessed	Relamp, reballast to THREE 2' LED tubes, new NBF, electronic ballast	4	4	7	49	26	26	0	4,160	4,160	-	-	391	-	391	0.1	NC	-
JWY Middle School	1371	123	2	Hallway library (123)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1372	123	2	Hallway library (123)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	11	11	9	63	22	13	4	4,160	832	2,496	832	1,876	765	2,641	0.5	Cap	B

							1240	1240										79,071	36,543	115,615	36.9		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1373	124	2	Hallway library (124)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	13	4	4,160	832	2,496	832	1,364	556	1,921	0.4	Cap	B
JWY Middle School	1374	125	2	Hallway library (125)	Downlight/CFL Screw In/13.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	2	2	9	13	9	9	0	4,160	4,160	-	-	33	-	33	0.0	NC	-
JWY Middle School	1375	125	2	Hallway library (125)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	3	3	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1376	125	2	Hallway library (125)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed	2x2 LED Kit with Adaptable Controls	7	7	9	63	22	13	4	4,160	832	2,496	832	1,194	487	1,681	0.3	Cap	B
JWY Middle School	1377	125	2	Hallway library (125)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	63	27	16	5	4,160	832	2,496	832	150	85	235	0.0	Cap	B
JWY Middle School	1378	125	2	Hallway library (125)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	97	27	16	5	4,160	832	2,496	832	291	85	377	0.1	Cap	B
JWY Middle School	1379	126	2	Stairs (126)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	16	65	27	16	5	4,160	832	3,328	-	158	81	239	0.0	Cap	B
JWY Middle School	1380	126	2	Stairs (126)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	64	27	16	5	4,160	832	3,328	-	154	81	235	0.0	Cap	B
JWY Middle School	1381	127	2	Stairs (127)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1382	127	2	Stairs (127)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	65	27	16	5	4,160	832	3,328	-	158	81	239	0.0	Cap	B
JWY Middle School	1383	127	2	Stairs (127)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	16	64	27	16	5	4,160	832	3,328	-	154	81	235	0.0	Cap	B
JWY Middle School	1384	127	2	Stairs (127)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	3	3	9	53	22	13	4	4,160	832	3,328	-	387	198	585	0.1	Cap	B
JWY Middle School	1385	128	2	Stairs (128)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	16	64	27	16	5	4,160	832	3,328	-	308	162	470	0.1	Cap	B
JWY Middle School	1386	129	2	Stairs (129)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Can/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	3	3	9	25	9	9	0	4,160	4,160	-	-	200	-	200	0.0	NC	-
JWY Middle School	1387	129	2	Stairs (129)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1388	129	2	Stairs (129)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Surface	2x2 LED Fixture with Adaptable Controls Surf Mt	3	3	13	53	22	13	4	4,160	832	3,328	-	387	198	585	0.1	Cap	B
JWY Middle School	1389	129	2	Stairs (129)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	85	37	22	7	4,160	832	3,328	-	200	111	311	0.1	Cap	B

Facility	JWY Middle School
Location	602 Sylvan Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								63	63									17,340	-	17,340	-		
						t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1390	1	E	Courtyard Main Entrance (1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1391	2	E	Courtyard Side Entrance (2)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1392	3	E	Courtyard Back Left (3)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1393	4	E	Courtyard Back Right (4)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
JWY Middle School	1394	5	E	Middle Courtyard (5)	Area Light/Incandescent/90.0W/2 Lamp - Short Post Top Unique/Slip Fitter	17W LED HID Ballast By-pass Screw-in	10	10	3	180	17	17	0	4,380	4,380	-	-	7,139	-	7,139	-	NC	-
JWY Middle School	1395	6	E	Right of Main Entrance (6)	Flood Light/Light Emiting Diode/30.0W/1 Lamp - Yoke	No Retrofit	1	1	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1396	7	E	Side Main Exit (7)	Wallpack/Metal Halide/250.0W/1 Lamp - Magnetic/Semi- Cut off/Mogul (E39)/Wall	44W Full Cutoff Wall Pack with emergency back-up to maintain required light levels at egress	1	1	11	290	40	40	0	4,380	4,380	-	-	1,095	-	1,095	-	Cap	-
JWY Middle School	1397	8	E	Side Main Exit (8)	Flood Light/Metal Halide/400.0W/1 Lamp - Magnetic/Yoke	14,000 Lumen LED Flood Light	1	1	11	455	106	106	0	4,380	4,380	-	-	1,529	-	1,529	-	Cap	-
JWY Middle School	1398	9	E	Right of Main Entrance (9)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1399	10	E	Right of Main Entrance (10)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1400	11	E	Right of Main Entrance (11)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	22	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1401	12	E	Right of Main Entrance (12)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1402	13	E	Girls Locker Exit (13)	Canopy/Metal Halide/100.0W/1 Lamp - Magnetic/12 in/12 in/Square/Recessed-Hardlid	17W LED HID Ballast By-pass Screw-in	1	1	9	120	17	17	0	4,380	4,380	-	-	451	-	451	-	NC	-
JWY Middle School	1403	14	E	Girls Locker Exit (14)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1404	15	E	Right of Main Entrance (15)	Wallpack/Metal Halide/250.0W/1 Lamp - Magnetic/Forward Throw/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	3	3	22	290	40	40	0	4,380	4,380	-	-	3,285	-	3,285	-	Cap	-
JWY Middle School	1405	16	E	Girls Locker Exit (16)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1406	17	E	Girls Locker Exit (17)	Canopy/Metal Halide/100.0W/1 Lamp - Magnetic/12 in/12 in/Square/Recessed-Hardlid	17W LED HID Ballast By-pass Screw-in	1	1	9	120	17	17	0	4,380	4,380	-	-	451	-	451	-	NC	-
JWY Middle School	1407	18	E	Right of Main Entrance (18)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1408	19	E	Right of Main Entrance (19)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	11	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1409	20	E	Right of Main Entrance (20)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	22	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-

							63	63										17,340	-	17,340	-		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
JWY Middle School	1410	21	E	Round (21)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	15	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1411	22	E	Round (22)	Area Light/Light Emiting Diode/30.0W/1 Lamp - Street/Arm	No Retrofit	5	5	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1412	23	E	Side (23)	Wallpack/High Pressure Sodium/250.0W/1 Lamp - Magnetic/Forward Throw/Wall	5000Lm Open Face Wall Pack	1	1	22	290	40	40	0	4,380	4,380	-	-	1,095	-	1,095	-	Cap	-
JWY Middle School	1413	24	E	Right of Main Entrance (24)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	22	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1414	25	E	Right of Main Entrance (25)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1415	26	E	Chorus Exit (26)	Wallpack/Light Emiting Diode/10.0W/3 Lamp - Decorative/Mogul (E39)	No Retrofit	2	2	11	10	10	10	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1416	27	E	Parking Lot (27)	Flood Light/Light Emiting Diode/50.0W/1 Lamp - Arm	No Retrofit	11	11	20	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
JWY Middle School	1417	28	E	Parking Lot (28)	Flood Light/Metal Halide/250.0W/1 Lamp - Magnetic/Yoke	7,000 Lumen LED Flood Fixture	1	1	20	290	54	54	0	4,380	4,380	-	-	1,034	-	1,034	-	Cap	-
JWY Middle School	1418	29	E	Parking Lot (29)	Parking And Garage/Metal Halide/150.0W/1 Lamp - Magnetic/Cobra Head/Arm	6,000 Lumen LED Area Light	2	2	20	190	46	46	0	4,380	4,380	-	-	1,261	-	1,261	-	Cap	-

Facility	Academy Street Elementary
Location	150 Academy Street, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								807	807								53,212	33,168	86,380	29.5		
							t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S				SAVINGS					
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture		E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	1	1	1	Boys Bathroom (1)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls		1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	2	1	1	Boys Bathroom (1)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		5	5	9	63	34	666	998	1,664	483	436	918	0.2	Cap	B
Academy Street Elementary	3	4	1	Girl Bathroom (4)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls		1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	4	4	1	Girl Bathroom (4)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		4	4	9	63	34	666	998	1,664	386	349	735	0.2	Cap	B
Academy Street Elementary	5	2	1	Janitor Small Closet (2)	Vapor Tight/Incandescent/25.0W/1 Lamp - Jelly Jar/Medium (E26)/Ceiling/120V	9W A19 E26 120V Dimmable, Enclosed		1	1	8	27	9	1,043	-	-	19	-	19	0.0	NC	-
Academy Street Elementary	6	3	1	Janitor Medium Closet (3)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		1	1	9	63	34	209	313	522	30	27	58	0.0	Cap	B
Academy Street Elementary	7	5	1	Classroom 14 (5)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		9	9	9	63	34	1,008	336	336	438	267	706	0.4	Cap	B
Academy Street Elementary	8	6	1	Classroom 13 (6)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		7	7	9	63	34	1,008	336	336	341	208	549	0.3	Cap	B
Academy Street Elementary	9	6	1	Classroom 13 (6)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress		2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B
Academy Street Elementary	10	7	1	Classroom 12 (7)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		7	7	9	63	34	1,008	336	336	341	208	549	0.3	Cap	B
Academy Street Elementary	11	7	1	Classroom 12 (7)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress		2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B
Academy Street Elementary	12	8	1	Classroom 11 (8)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		7	7	9	63	34	1,008	336	336	341	208	549	0.3	Cap	B
Academy Street Elementary	13	8	1	Classroom 11 (8)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress		2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B
Academy Street Elementary	14	9	1	Classroom 10 (9)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls		7	7	9	63	34	1,008	336	336	341	208	549	0.3	Cap	B
Academy Street Elementary	15	9	1	Classroom 10 (9)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress		2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	16	10	1	Classroom 9 (10)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	7	7	9	63	34	1,008	336	336	341	208	549	0.3	Cap	B
Academy Street Elementary	17	10	1	Classroom 9 (10)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B
Academy Street Elementary	18	11	1	Janitor Small Closet (11)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	48	21	1,043	-	-	28	-	28	0.0	NC	-
Academy Street Elementary	19	12	1	Hallway (12)	Downlight/CFL Screw In/26.0W/2 Lamp - 6 in/Can/Medium (E26)/Recessed/120V	TWO 9W BR30 E26 4000K 120V Dimmable	2	2	9	56	18	4,160	-	-	316	-	316	0.1	NC	-
Academy Street Elementary	20	12	1	Hallway (12)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	5	5	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	21	12	1	Hallway (12)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	3	3	9	35	26	832	2,496	832	112	247	359	0.1	Cap	B
Academy Street Elementary	22	12	1	Hallway (12)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	5	5	9	63	34	832	2,496	832	603	537	1,141	0.2	Cap	B
Academy Street Elementary	23	12	1	Hallway (12)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	63	34	1,752	7,008	-	254	214	468	0.0	Cap	B
Academy Street Elementary	24	13	1	Hallway (13)	Downlight/CFL Pin Base/26.0W/2 Lamp - Electronic/6 in/Can/G24q(4-Pin)/Horizontal/Recessed	TWO 9W LED Side Mount CFL Replacement ballast By-Pass	4	4	9	56	18	4,160	-	-	632	-	632	0.2	NC	-
Academy Street Elementary	25	13	1	Hallway (13)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	2	2	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	26	13	1	Hallway (13)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	2	2	9	35	26	832	2,496	832	75	164	239	0.0	Cap	B
Academy Street Elementary	27	13	1	Hallway (13)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	10	10	9	63	34	832	2,496	832	1,206	1,075	2,281	0.4	Cap	B
Academy Street Elementary	28	15	1	Women Bathroom (15)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	29	14	1	Men Bathroom (14)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	30	16	1	Electrical Equipment (16)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	1	1	9	63	34	209	313	522	30	27	58	0.0	Cap	B
Academy Street Elementary	31	17	1	Classroom 2 (17)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	0	35	26	1,008	336	336	15	23	38	0.0	Cap	B
Academy Street Elementary	32	17	1	Classroom 2 (17)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	10	10	9	63	34	1,008	336	336	487	297	784	0.4	Cap	B

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	33	17	1	Classroom 2 (17)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	63	34	1,008	336	336	97	59	157	0.1	Cap	B
Academy Street Elementary	34	17.1	1	Classroom Bathroom (17.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	65	37	666	998	1,664	93	95	188	0.0	Cap	B
Academy Street Elementary	35	18	1	Classroom 4 (18)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	36	18.1	1	Classroom Bathroom (18.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	37	19	1	Classroom 6 (19)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	38	19.1	1	Classroom Bathroom (19.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	39	20	1	Classroom 8 (20)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	40	20.1	1	Classroom Bathroom (20.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	41	21	1	Classroom 7 (21)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	42	21.1	1	Classroom Bathroom (21.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	43	22	1	Classroom 5 (22)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	44	22.1	1	Classroom Bathroom (22.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	45	23	1	Classroom 3 (23)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	46	23.1	1	Classroom Bathroom (23.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	47	24	1	Classroom 1 (24)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	0	35	26	1,008	336	336	15	23	38	0.0	Cap	B
Academy Street Elementary	48	24	1	Classroom 1 (24)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	11	11	9	63	34	1,008	336	336	536	327	863	0.4	Cap	B
Academy Street Elementary	49	24	1	Classroom 1 (24)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	63	34	1,008	336	336	49	30	78	0.0	Cap	B
Academy Street Elementary	50	24.1	1	Classroom Bathroom (24.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Surface	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	65	37	666	998	1,664	93	95	188	0.0	Cap	B
Academy Street Elementary	51	24.2	1	Classroom Storage (24.2)	Downlight/CFL Screw In/20.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	1	1	9	22	9	1,043	-	-	14	-	14	0.0	NC	-

						t o o	807	807							53,212	33,168	86,380	29.5		
							Fixture	ty		Fixture Watts		ated Hours for Energy S			SAVINGS					
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	52	17.2	1	Classroom Storage (17.2)	Downlight/Light Emiting Diode/7.0W/1 Lamp - 4 in/Round/Surface/Dimming/120V/Lens/ 2700K	No Retrofit	1	1	9	7	7	1,043	-	-	-	-	-	-	NC	-
Academy Street Elementary	53	25	1	Hallway (25)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	2	2	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	54	25	1	Hallway (25)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	832	2,496	832	29	70	99	0.0	Cap	B
Academy Street Elementary	55	25	1	Hallway (25)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	18	18	9	60	27	832	2,496	832	2,471	1,537	4,008	0.8	Cap	B
Academy Street Elementary	56	26	1	Hallway (26)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	3	3	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	57	26	1	Hallway (26)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	4	4	9	35	26	832	2,496	832	150	329	479	0.1	Cap	B
Academy Street Elementary	58	26	1	Hallway (26)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	5	5	9	63	34	832	2,496	832	603	537	1,141	0.2	Cap	B
Academy Street Elementary	59	27	1	Cafeteria Hallway (27)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	4	4	9	35	26	832	2,496	832	150	329	479	0.1	Cap	B
Academy Street Elementary	60	28	1	Cafeteria (28)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	14	14	13	35	26	1,144	1,144	572	360	625	985	0.2	Cap	B
Academy Street Elementary	61	28	1	Cafeteria (28)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	17	17	13	63	34	1,144	1,144	572	1,410	992	2,402	0.7	Cap	B
Academy Street Elementary	62	28.1	1	Cafeteria (28.1)	Downlight/CFL Screw In/26.0W/2 Lamp - 6 in/Can/Medium (E26)/Recessed/120V	TWO 9W BR30 E26 4000K 120V Dimmable	15	15	9	56	18	2,860	-	-	1,630	-	1,630	0.6	NC	-
Academy Street Elementary	63	28.1	1	Cafeteria (28.1)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	13	13	9	35	26	1,144	1,144	572	335	580	915	0.2	Cap	B
Academy Street Elementary	64	29	1	Office (29)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	826	826	413	19	32	51	0.0	Cap	B
Academy Street Elementary	65	29.1	1	Office Bathroom (29.1)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	66	30	1	Electric Storage (30)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	1	1	9	63	34	209	313	522	30	27	58	0.0	Cap	B
Academy Street Elementary	67	31	1	Kitchen (31)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	1,408	938	-	21	28	49	0.0	Cap	B
Academy Street Elementary	68	31	1	Kitchen (31)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	4	4	9	63	34	938	1,408	-	272	172	444	0.2	Cap	B

							807	807								53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	69	31	1	Kitchen (31)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	63	34	938	1,408	-	136	86	222	0.1	Cap	B
Academy Street Elementary	70	31	1	Kitchen (31)	Vapor Tight/Incandescent/25.0W/1 Lamp - Jelly Jar/Medium (E26)/Ceiling/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	8	27	9	2,346	-	-	84	-	84	0.0	NC	-
Academy Street Elementary	71	32	1	Storage (32)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	1	1	9	63	34	209	313	522	30	27	58	0.0	Cap	B
Academy Street Elementary	72	31.1	1	Kitchen Storage (31.1)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	2	2	9	63	34	209	313	522	60	55	115	0.1	Cap	B
Academy Street Elementary	73	31.2	1	Kitchen Small Storage (31.2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	1	1	0	60	27	209	313	522	34	22	56	0.0	Cap	B
Academy Street Elementary	74	33	1	Hallway (33)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	2	2	8	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	75	33	1	Hallway (33)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	3	3	9	63	34	832	2,496	832	362	322	684	0.1	Cap	B
Academy Street Elementary	76	33	1	Hallway (33)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	2	2	9	63	34	1,752	7,008	-	508	429	937	0.1	Cap	B
Academy Street Elementary	77	34	1	Conference Room (34)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	2	2	9	63	34	511	511	256	74	52	126	0.1	Cap	B
Academy Street Elementary	78	35	1	Reception (35)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	2	2	9	35	26	2,340	1,560	-	70	93	163	0.0	Cap	B
Academy Street Elementary	79	36	1	Reception Office (36)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	3	3	9	35	26	2,340	1,560	-	105	140	245	0.1	Cap	B
Academy Street Elementary	80	36	1	Reception Office (36)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/120V	2x4 LED Fixture with Adaptable Controls	5	5	9	63	34	2,340	1,560	-	566	305	870	0.2	Cap	B
Academy Street Elementary	81	36	1	Reception Office (36)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	9	97	27	1,560	1,560	780	273	63	336	0.1	Cap	B
Academy Street Elementary	82	37	1	Principal Office (37)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	3	3	9	35	26	1,560	1,560	780	105	183	288	0.1	Cap	B
Academy Street Elementary	83	37	1	Principal Office (37)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	9	97	27	826	826	413	144	33	178	0.1	Cap	B
Academy Street Elementary	84	37.1	1	Principal Bathroom (37.1)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	85	37.2	1	Principal Storage (37.2)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	9	97	27	209	313	522	73	22	95	0.1	Cap	B

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	86	36.1	1	Reception Office Sink (36.1)	Troffer/T5 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Single Basket/4 ft/Integrated Backup/120V	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	63	34	1,560	2,340	-	113	72	185	0.0	Cap	B
Academy Street Elementary	87	38	1	Hallway by gym (38)	Downlight/CFL Screw In/11.0W/1 Lamp - 8 in/Square/Medium (E26)/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	13	9	4,160	-	-	33	-	33	0.0	NC	-
Academy Street Elementary	88	38	1	Hallway by gym (38)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	3	3	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	89	38	1	Hallway by gym (38)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	832	2,496	832	1,647	1,024	2,672	0.5	Cap	B
Academy Street Elementary	90	39	1	Nurse (39)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	7	7	9	60	27	1,032	1,032	516	596	293	889	0.3	Cap	B
Academy Street Elementary	91	39.1	1	Nurse Bathroom (39.1)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	666	998	1,664	30	67	97	0.0	Cap	B
Academy Street Elementary	92	39.2	1	Nurse Room Storage (39.2)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/Programmed/2x2 ft/Single Basket/2 ft/120V	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	209	313	522	9	21	30	0.0	Cap	B
Academy Street Elementary	93	40	1	Psychology (40)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	5	5	9	60	27	826	826	413	341	167	508	0.2	Cap	B
Academy Street Elementary	94	41	1	Women Bathroom (41)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/120V/4100K	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	65	37	666	998	1,664	93	95	188	0.0	Cap	B
Academy Street Elementary	95	42	1	Men Bathroom (42)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/120V/4100K	2x4 LED Fixture with Adaptable Controls Surf Mt	1	1	9	65	37	666	998	1,664	93	95	188	0.0	Cap	B
Academy Street Elementary	96	43	1	Copy Room (43)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/1 ft/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	3,900	-	-	82	-	82	0.0	NC	-
Academy Street Elementary	97	43.1	1	Copy Room Office (43.1)	Wrap/T8 Fluorescent/28.0W/4 Lamp - Electronic/8 ft/1 ft/Pendant/120V/4100K	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	95	42	3,900	-	-	207	-	207	0.1	NC	-
Academy Street Elementary	98	46	1	Art Room 19 (46)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	11	11	9	60	27	672	672	336	610	299	909	0.5	Cap	B
Academy Street Elementary	99	44	1	Boiler Room (44)	Downlight/CFL Screw In/20.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	22	9	1,043	-	-	27	-	27	0.0	NC	-
Academy Street Elementary	100	44	1	Boiler Room (44)	Downlight/Incandescent/75.0W/1 Lamp - Keyless	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	1,043	-	-	69	-	69	0.1	NC	-
Academy Street Elementary	101	44	1	Boiler Room (44)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	102	47	1	Electrical Room (47)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Surface/120V/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	35	17	1,043	-	-	19	-	19	0.0	NC	-
Academy Street Elementary	103	48	1	Classroom 21 (48)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	104	48	1	Classroom 21 (48)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	105	49	1	Classroom 23 (49)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	106	49	1	Classroom 23 (49)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	107	50	1	Classroom 25 (50)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	108	50	1	Classroom 25 (50)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	109	51	1	Classroom 27 (51)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	110	51	1	Classroom 27 (51)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	111	52	1	Classroom 29 (52)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	112	52	1	Classroom 29 (52)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	113	53	1	Classroom 31 (53)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	114	53	1	Classroom 31 (53)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	115	54	1	Classroom 33 (54)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	116	54	1	Classroom 33 (54)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	117	55	1	Classroom 34 (55)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	118	55	1	Classroom 34 (55)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	119	56	1	Classroom 32 (56)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	120	56	1	Classroom 32 (56)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	121	57	1	Classroom 30 (57)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	122	57	1	Classroom 30 (57)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	123	58	1	Classroom 28 (58)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	124	58	1	Classroom 28 (58)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	125	59	1	Boys Bathroom (59)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	666	998	1,664	329	208	537	0.1	Cap	B
Academy Street Elementary	126	59.1	1	Boys Bathroom Foyer (59.1)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	666	998	1,664	23	56	80	0.0	Cap	B
Academy Street Elementary	127	60	1	Custodian (60)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Wall/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	1,043	-	-	44	-	44	0.0	NC	-
Academy Street Elementary	128	61	1	Girls Bathroom (61)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	666	998	1,664	329	208	537	0.1	Cap	B
Academy Street Elementary	129	61.1	1	Girls Bathroom Foyer (61.1)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	666	998	1,664	23	56	80	0.0	Cap	B
Academy Street Elementary	130	62	1	Classroom 26 (62)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	10	10	0	60	27	1,008	336	336	554	236	790	0.4	Cap	B
Academy Street Elementary	131	62.1	1	Classroom 26.1 (62.1)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	132	62.1	1	Classroom 26.1 (62.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	2	2	0	60	27	1,008	336	336	111	47	158	0.1	Cap	B
Academy Street Elementary	133	63	1	Classroom 24 (63)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	134	63	1	Classroom 24 (63)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	135	64	1	Classroom 22 (64)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	1,008	336	336	12	19	31	0.0	Cap	B
Academy Street Elementary	136	64	1	Classroom 22 (64)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	0	60	27	1,008	336	336	665	283	948	0.5	Cap	B
Academy Street Elementary	137	65	1	Music Room 20 (65)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	672	672	336	665	327	992	0.5	Cap	B
Academy Street Elementary	138	66	1	Computer Room 18 (66)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	672	672	336	665	327	992	0.5	Cap	B
Academy Street Elementary	139	67.1	1	Room 16 Foyer (67.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	832	2,496	832	137	85	223	0.0	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	140	67	1	Room 16B (67)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	6	6	9	60	27	826	826	413	409	201	609	0.2	Cap	B
Academy Street Elementary	141	68	1	Room 16A (68)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	826	826	413	545	267	812	0.3	Cap	B
Academy Street Elementary	142	69.1	1	Boys Room Foyer (69.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling/120V/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	0	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	143	69	1	Boys Room (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/120V/4100K	2x4 LED Fixture with Adaptable Controls Surf Mt	2	2	9	65	37	666	998	1,664	186	190	376	0.1	Cap	B
Academy Street Elementary	144	70	1	Girls Room (70)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Surface/120V/4100K	2x4 LED Fixture with Adaptable Controls Surf Mt	2	2	9	65	37	666	998	1,664	186	190	376	0.1	Cap	B
Academy Street Elementary	145	70.1	1	Girls Room Foyer (70.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling/120V/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	0	29	17	3,328	-	-	40	-	40	0.0	NC	-
Academy Street Elementary	146	71	1	Custodial (71)	Downlight/Incandescent/60.0W/1 Lamp - Keyless	9W A19 E26 120V Dimmable, Enclosed	1	1	9	60	9	1,043	-	-	53	-	53	0.1	NC	-
Academy Street Elementary	147	71	1	Custodial (71)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Ceiling/120V/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	1,043	-	-	13	-	13	0.0	NC	-
Academy Street Elementary	148	72	1	Hallway (72)	Downlight/Light Emiting Diode/10.0W/1 Lamp - 3 in/Round/Recessed/3000K	No Retrofit	16	16	6	10	10	4,160	-	-	-	-	-	-	NC	-
Academy Street Elementary	149	72	1	Hallway (72)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	150	72	1	Hallway (72)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	13	13	9	60	27	832	2,496	832	1,785	1,110	2,894	0.6	Cap	B
Academy Street Elementary	151	73	1	Hallway (73)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	2	2	8	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	152	73	1	Hallway (73)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	3	3	9	29	22	832	2,496	832	87	209	296	0.0	Cap	B
Academy Street Elementary	153	73	1	Hallway (73)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	6	6	9	60	27	832	2,496	832	824	512	1,336	0.3	Cap	B
Academy Street Elementary	154	74	1	Hallway (74)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	8	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	155	74	1	Hallway (74)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	832	2,496	832	29	70	99	0.0	Cap	B
Academy Street Elementary	156	74	1	Hallway (74)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	19	19	9	60	27	832	2,496	832	2,608	1,622	4,230	0.8	Cap	B
Academy Street Elementary	157	75	1	Faculty Room (75)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	13	13	9	29	22	706	706	353	161	303	463	0.2	Cap	B
Academy Street Elementary	158	75.2	1	Faculty Room Storage (75.2)	Downlight/CFL Screw In/20.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	22	9	1,043	-	-	27	-	27	0.0	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture	ty		Fixture Watts		ated Hours for Energy S			SAVINGS							
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	159	75.3	1	Faculty Paper Room (75.3)	Downlight/CFL Screw In/20.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	22	9	1,043	-	-	27	-	27	0.0	NC	-
Academy Street Elementary	160	76.1	1	Gym Storage Foyer (76.1)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - 8 ft/Jelly Jar/Medium (E26)/Wall/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	25	9	1,043	-	-	33	-	33	0.0	NC	-
Academy Street Elementary	161	76	1	Gym Storage (76)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	1,043	-	-	44	-	44	0.0	NC	-
Academy Street Elementary	162	77	1	Stage (77)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	163	77	1	Stage (77)	Troffer/T5 Fluorescent/28.0W/3 Lamp - Electronic/1x4 ft/Parabolic Louver/4 ft/Pendant/120V	Relamp, reballast to THREE low wattage 4' LED tubes, new LBF, electronic ballast	5	5	10	97	32	1,564	-	-	512	-	512	0.3	NC	-
Academy Street Elementary	164	77	1	Stage (77)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - 8 ft/Jelly Jar/Medium (E26)/Wall/120V	9W A19 E26 120V Dimmable, Enclosed	4	4	9	25	9	1,564	-	-	100	-	100	0.1	NC	-
Academy Street Elementary	165	78	1	Gym (78)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	166	78	1	Gym (78)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	167	78	1	Gym (78)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/Programmed/2x4 ft/Linear/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	9	9	20	234	140	1,144	1,144	572	2,420	2,450	4,870	1.4	Cap	A
Academy Street Elementary	168	78.1	1	Gym (78.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	169	78.1	1	Gym (78.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	170	78.1	1	Gym (78.1)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/Programmed/2x4 ft/Linear/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	9	9	20	234	140	1,144	1,144	572	2,420	2,450	4,870	1.4	Cap	A
Academy Street Elementary	171	77.1	1	Stage room up staircase (77.1)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/Programmed/2x4 ft/Linear/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	1	1	9	234	140	1,664	1,664	832	391	396	787	0.2	Cap	A
Academy Street Elementary	172	79	1	Hallway (79)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	173	79	1	Hallway (79)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	1	1	9	29	22	832	2,496	832	29	70	99	0.0	Cap	B
Academy Street Elementary	174	79	1	Hallway (79)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	832	2,496	832	1,098	683	1,781	0.4	Cap	B
Academy Street Elementary	175	44.1	1	Boiler Room (44.1)	Downlight/CFL Screw In/20.0W/1 Lamp - Hat/Medium (E26)/Surface/120V	9W BR30 E26 4000K 120V Dimmable	7	7	9	22	9	1,043	-	-	95	-	95	0.1	NC	-

							807	807									53,212	33,168	86,380	29.5		
						t o o	Fixture ty			Fixture Watts		ated Hours for Energy S					SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	176	44.1	1	Boiler Room (44.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	9	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	177	44.1	1	Boiler Room (44.1)	Tracklight/CFL Screw In/20.0W/2 Lamp - Medium (E26)/Pendant Kit/White	9W BR30 E26 4000K 120V Dimmable	2	2	0	44	9	1,043	-	-	73	-	73	0.1	NC	-
Academy Street Elementary	178	44.2	1	Boiler Room (44.2)	Downlight/CFL Screw In/20.0W/1 Lamp - Hat/Medium (E26)/Surface/120V	15W A21 E26 120V Dimmable	2	2	9	22	15	1,043	-	-	15	-	15	0.0	NC	-
Academy Street Elementary	179	44.3	1	Boiler Room (44.3)	Downlight/CFL Screw In/20.0W/1 Lamp - Hat/Medium (E26)/Surface/120V	15W A21 E26 120V Dimmable	3	3	9	22	15	1,043	-	-	22	-	22	0.0	NC	-
Academy Street Elementary	180	44.4	1	Boiler Room Maze (44.4)	Downlight/CFL Screw In/20.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	8	8	9	22	9	1,043	-	-	108	-	108	0.1	NC	-
Academy Street Elementary	181	44.5	1	Boiler Room (44.5)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Pendant/Wireguard	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	7	7	9	42	21	1,043	-	-	153	-	153	0.1	NC	-
Academy Street Elementary	182	44.6	1	Boiler Room (44.6)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Pendant/Wireguard	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	1,043	-	-	44	-	44	0.0	NC	-
Academy Street Elementary	183	44.6	1	Boiler Room (44.6)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Wall/Wireguard	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	1,043	-	-	22	-	22	0.0	NC	-
Academy Street Elementary	184	44.7	1	Boiler Room (44.7)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Pendant/Wireguard	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	9	42	21	1,043	-	-	88	-	88	0.1	NC	-
Academy Street Elementary	185	80	1	Snow plow Room (80)	Downlight/Incandescent/75.0W/1 Lamp - Keyless	9W A19 E26 120V Dimmable, Enclosed	2	2	9	75	9	1,043	-	-	138	-	138	0.1	NC	-

Facility	Academy Street Elementary
Location	150 Academy Street, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

							t	o o	38	38							1,323	-	1,323	-		
									Fixture	ty		Fixture Watts		ated Hours for Energy S			SAVINGS					
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	186	1	E	Courtyard (1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	10	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	187	1	E	Courtyard (1)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	188	2	E	Courtyard (2)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	189	3	E	Courtyard (3)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/120V/Red	No Retrofit	1	1	10	3	3	8,760	-	-	-	-	-	-	NC	-
Academy Street Elementary	190	3	E	Courtyard (3)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	191	4	E	Main Entrance (4)	Downlight/CFL Screw In/23.0W/1 Lamp - 6 in/Square Egress/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	4	4	9	25	9	4,380	-	-	280	-	280	-	NC	-
Academy Street Elementary	192	4	E	Main Entrance (4)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	2	2	8	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	193	5	E	Right of Main (5)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	194	6	E	Hallway 73 Door (6)	Downlight/CFL Screw In/29.0W/2 Lamp - 5 in/Square Egress/Medium (E26)/Surface/120V/Lens	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	62	18	4,380	-	-	385	-	385	-	NC	-
Academy Street Elementary	195	7	E	Right of Hallway 73 (7)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	196	8	E	Near Car Enterence (8)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	197	9	E	Hallway 74 Exit (9)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	198	10	E	Near Classroom 30 (10)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	199	11	E	Near Classroom 27 (11)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	200	12	E	Near Classroom 24 (12)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	201	13	E	Near Computer Room (13)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	202	14	E	Gym Hallway Exit (14)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Forward Throw Egress/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	10	190	40	4,380	-	-	657	-	657	-	Cap	-

						t o o	38	38		Fixture Watts		ated Hours for Energy S			1,323	-	1,323	-		
							Fixture	ty							SAVINGS					
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Academy Street Elementary	203	15	E	Right of Gym Hallway Exit (15)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	204	16	E	Next to Metal Cage (16)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	205	17	E	Gym Back Exit (17)	Flood Light/Light Emiting Diode/15.0W/1 Lamp - Shoebox/Knuckle	No Retrofit	1	1	18	15	15	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	206	18	E	Near Classroom 4 (18)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Full Cutoff/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	207	19	E	Hallway 21 Exit (19)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	208	20	E	Hall 21 Exit Near Baseball (20)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	209	21	E	Cafeteria Exit (21)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	210	22	E	Cafeteria Exit Near Parking (22)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw Egress/Wall	No Retrofit	2	2	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	211	23	E	Hallway 33 (23)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-
Academy Street Elementary	212	24	E	Left of Main (24)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	10	30	30	4,380	-	-	-	-	-	-	NC	-

Facility	Blue Point Elementary
Location	212 Blue Point Avenue, Blue Point, NY 11715
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								729	729										45,705	20,043	65,748	24.7	
						t o o		Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	213	1	2	Classroom 201 (1)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/Instant/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	20	20	9	25	20	14	6	1,680	1,008	336	336	168	349	517	0.2	Cap	B
Blue Point Elementary	214	2	2	Classroom 202 (2)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	6	6	9	25	20	14	6	1,680	1,008	336	336	50	105	155	0.1	Cap	B
Blue Point Elementary	215	3	2	Classroom 203 (3)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	7	7	9	25	20	14	6	1,680	1,008	336	336	59	122	181	0.1	Cap	B
Blue Point Elementary	216	4	2	Bathroom (4)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	15	7	3,328	666	998	1,664	273	113	386	0.1	Cap	B
Blue Point Elementary	217	5	2	Psychology Foyer (5)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	2,064	826	1,238	-	85	25	109	0.0	Cap	B
Blue Point Elementary	218	6	2	Psychology Room (6)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	6	6	9	25	20	14	6	2,064	826	826	413	62	149	211	0.1	Cap	B
Blue Point Elementary	219	7	2	Resource Room (7)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	8	8	9	25	20	14	6	1,680	672	672	336	67	161	228	0.1	Cap	B
Blue Point Elementary	220	8	2	Classroom 206 (8)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	15	15	9	25	20	14	6	1,680	1,008	336	336	126	262	388	0.2	Cap	B
Blue Point Elementary	221	9	2	Classroom 207 (9)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	21	21	9	25	20	14	6	1,680	1,008	336	336	176	367	543	0.2	Cap	B
Blue Point Elementary	222	10	2	Classroom 208 (10)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,680	1,008	336	336	665	283	948	0.5	Cap	B
Blue Point Elementary	223	10.1	2	Classroom Bathroom (10.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	3,328	666	998	1,664	136	56	193	0.0	Cap	B
Blue Point Elementary	224	11	2	Janitor Closet (11)	Downlight/CFL Screw In/26.0W/1 Lamp - Round/Medium (E26)/Pendant/120V/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	10	28	9	9	0	1,043	1,043	-	-	20	-	20	0.0	NC	-
Blue Point Elementary	225	12	2	Classroom 209 (12)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,680	1,008	336	336	665	283	948	0.5	Cap	B
Blue Point Elementary	226	12.1	2	Classroom Bathroom (12.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	9	63	22	15	7	3,328	666	998	1,664	136	56	193	0.0	Cap	B
Blue Point Elementary	227	13	2	Classroom 210 (13)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	1,680	1,008	336	336	222	94	316	0.2	Cap	B
Blue Point Elementary	228	14	2	Elevator (14)	Downlight/CFL Screw In/15.0W/1 Lamp - 5 in/Can/Medium (E26)/Recessed/120V	9W BR30 E26 4000K 120V Dimmable	1	1	8	17	9	9	0	8,760	8,760	-	-	70	-	70	0.0	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	229	14	2	Elevator (14)	Downlight/Light Emiting Diode/7.0W/1 Lamp - 5 in/Can/Recessed/120V	No Retrofit	5	5	8	7	7	7	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	230	15	2	Classroom 211 (15)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	17	17	9	60	27	19	8	1,680	1,008	336	336	942	401	1,343	0.7	Cap	B
Blue Point Elementary	231	15.1	2	Classroom (15.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	2	2	9	13	9	9	0	1,680	1,680	-	-	13	-	13	0.0	NC	-
Blue Point Elementary	232	15.2	2	Classroom (15.2)	Downlight/CFL Screw In/11.0W/3 Lamp - 12 in/12 in/Canopy/Medium (E26)/Surface/120V/2700K	THREE 9W A19 E26 120V Dimmable, Enclosed	1	1	9	39	27	27	0	1,680	1,680	-	-	20	-	20	0.0	NC	-
Blue Point Elementary	233	16	2	Computer Room (16)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,680	672	672	336	665	327	992	0.5	Cap	B
Blue Point Elementary	234	16.1	2	Classroom (16.1)	Downlight/Incandescent/75.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V	9W A19 E26 120V Dimmable, Enclosed	1	1	9	75	9	9	0	1,680	1,680	-	-	111	-	111	0.1	NC	-
Blue Point Elementary	235	17	2	Classroom 213 (17)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,680	1,008	336	336	665	283	948	0.5	Cap	B
Blue Point Elementary	236	17.1	2	Classroom (17.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	1,680	1,680	-	-	7	-	7	0.0	NC	-
Blue Point Elementary	237	18	2	Girls Bathroom (18)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	238	18	2	Girls Bathroom (18)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	0	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	239	19	2	Room top of gym stairs (19)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	13	4	4,160	832	2,496	832	682	278	960	0.2	Cap	B
Blue Point Elementary	240	20	2	Boys Bathroom (20)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	241	20	2	Boys Bathroom (20)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	0	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	242	21	2	Hallway (21)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	243	21	2	Hallway (21)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	14	14	9	25	20	12	4	4,160	832	2,496	832	291	885	1,176	0.2	Cap	B
Blue Point Elementary	244	22	2	Hallway (22)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	245	22	2	Hallway (22)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	246	22	2	Hallway (22)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	13	4	4,160	832	2,496	832	341	139	480	0.1	Cap	B
Blue Point Elementary	247	22	2	Hallway (22)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	8	8	9	60	27	16	5	4,160	832	2,496	832	1,098	683	1,781	0.4	Cap	B

							729	729										45,705	20,043	65,748	24.7		
					t o o		Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	248	23	1	Gym (23)	Downlight/CFL Screw In/11.0W/1 Lamp - Square/Medium (E26)/Recessed/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	4	4	20	13	9	9	0	2,860	2,860	-	-	46	-	46	0.0	NC	-
Blue Point Elementary	249	23	1	Gym (23)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	5	5	10	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	250	23	1	Gym (23)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/2x4 ft/Linear/4 ft/Surface/277V/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	16	16	20	234	140	84	28	2,860	1,144	1,144	572	4,301	4,356	8,658	2.4	Cap	A
Blue Point Elementary	251	23.1	1	Gym Office (23.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	2,064	2,064	-	-	8	-	8	0.0	NC	-
Blue Point Elementary	252	23.1	1	Gym Office (23.1)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Ceiling/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	2,064	2,064	-	-	87	-	87	0.0	NC	-
Blue Point Elementary	253	24	1	Stage (24)	Wrap/T8 Fluorescent/28.0W/4 Lamp - Electronic/4 ft/Wide/4 ft/Hard Lid/120V/Rod/Wireguard	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	4	4	20	85	42	42	0	1,564	1,564	-	-	269	-	269	0.2	NC	-
Blue Point Elementary	254	24.1	1	Stage Storage (24.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	255	24.2	1	Stage Storage (24.2)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	256	24.3	1	Stage Stairs (24.3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	17	0	4,160	4,160	-	-	50	-	50	0.0	NC	-
Blue Point Elementary	257	24.4	1	Stage Basement (24.4)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	65	21	21	0	1,564	1,564	-	-	275	-	275	0.2	NC	-
Blue Point Elementary	258	24.5	1	Stage Shower Room (24.5)	Downlight/CFL Screw In/11.0W/3 Lamp - 12 in/12 in/Canopy/Medium (E26)/Surface/120V/2700K	THREE 9W A19 E26 120V Dimmable, Enclosed	3	3	10	39	27	27	0	2,860	2,860	-	-	103	-	103	0.0	NC	-
Blue Point Elementary	259	24.5	1	Stage Shower Room (24.5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	65	21	21	0	2,860	2,860	-	-	503	-	503	0.2	NC	-
Blue Point Elementary	260	24.6	1	Stage Storage (24.6)	Downlight/Incandescent/100.0W/1 Lamp - Round/Medium (E26)/120V/No Lens	11W PAR30 E26 4000K 120V Dimmable	1	1	9	100	11	11	0	1,043	1,043	-	-	93	-	93	0.1	NC	-
Blue Point Elementary	261	24.7	1	Stage Stairs (24.7)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	29	17	17	0	4,160	4,160	-	-	50	-	50	0.0	NC	-
Blue Point Elementary	262	24.8	1	Stage Basement (24.8)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	65	21	21	0	1,564	1,564	-	-	275	-	275	0.2	NC	-
Blue Point Elementary	263	24.9	1	Stage Shower Room (24.9)	Downlight/CFL Screw In/11.0W/1 Lamp - 10 in/Square/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	3	3	10	13	9	9	0	2,860	2,860	-	-	34	-	34	0.0	NC	-
Blue Point Elementary	264	24.9	1	Stage Shower Room (24.9)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	65	21	21	0	2,860	2,860	-	-	252	-	252	0.1	NC	-
Blue Point Elementary	265	25	1	Janitor Office (25)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Ceiling/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	42	21	21	0	2,064	2,064	-	-	43	-	43	0.0	NC	-
Blue Point Elementary	266	25	1	Janitor Office (25)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	65	21	21	0	2,064	2,064	-	-	182	-	182	0.1	NC	-
Blue Point Elementary	267	26	1	Boys Bathroom (26)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	268	26	1	Boys Bathroom (26)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	269	27	1	Classroom 101 (27)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	12	12	9	60	34	24	10	1,680	1,008	336	336	524	356	881	0.4	Cap	B
Blue Point Elementary	270	28	1	Copy Room (28)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	3	3	9	60	34	24	10	3,900	1,560	1,560	780	304	239	543	0.1	Cap	B
Blue Point Elementary	271	28	1	Copy Room (28)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,900	1,560	1,560	780	101	80	181	0.0	Cap	B
Blue Point Elementary	272	29	1	Meeting Room (29)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	4	4	9	60	34	24	10	2,064	826	826	413	215	168	383	0.1	Cap	B
Blue Point Elementary	273	30	1	Nurses Office (30)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	6	6	9	25	20	14	6	2,064	826	826	413	62	149	211	0.1	Cap	B
Blue Point Elementary	274	30.1	1	Nurses Bathroom (30.1)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	1	1	9	25	20	14	6	3,328	666	998	1,664	17	51	68	0.0	Cap	B
Blue Point Elementary	275	31	1	Main Office (31)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	276	31	1	Main Office (31)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	7	7	9	30	30	30	0	3,900	3,900	-	-	-	-	-	-	NC	-
Blue Point Elementary	277	31.1	1	Main Office Reception (31.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,900	3,900	-	-	-	-	-	-	NC	-
Blue Point Elementary	278	31.2	1	Main Office Kitchen (31.2)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,900	3,900	-	-	-	-	-	-	NC	-
Blue Point Elementary	279	31.3	1	Main Office Foyer (31.3)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,900	3,900	-	-	-	-	-	-	NC	-
Blue Point Elementary	280	31.4	1	Main Office Bathroom (31.4)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,328	3,328	-	-	-	-	-	-	NC	-
Blue Point Elementary	281	31.5	1	Main Office Bathroom (31.5)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,328	3,328	-	-	-	-	-	-	NC	-
Blue Point Elementary	282	32	1	Principal Office (32)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	283	32	1	Principal Office (32)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	2	2	9	30	30	30	0	2,064	2,064	-	-	-	-	-	-	NC	-
Blue Point Elementary	284	32	1	Principal Office (32)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Recessed	No Retrofit	1	1	9	30	30	30	0	2,064	2,064	-	-	-	-	-	-	NC	-
Blue Point Elementary	285	32.1	1	Main Office Bathroom (32.1)	Troffer/Light Emiting Diode/30.0W/1 Lamp - 2x2 ft/Volumetric/Recessed	No Retrofit	1	1	9	30	30	30	0	3,328	3,328	-	-	-	-	-	-	NC	-
Blue Point Elementary	286	33	1	Classroom 104 (33)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	6	6	9	25	20	14	6	1,680	1,008	336	336	50	105	155	0.1	Cap	B
Blue Point Elementary	287	33.1	1	Classroom 104 (33.1)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	12	12	9	25	20	14	6	1,680	1,008	336	336	101	210	310	0.1	Cap	B
Blue Point Elementary	288	34	1	Classroom 107 (34)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	33	33	11	63	22	15	7	1,680	1,008	336	336	2,273	634	2,907	1.6	Cap	B
Blue Point Elementary	289	34.1	1	Classroom Bathroom (34.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/2 ft/Ceiling	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	2	2	9	29	17	17	0	3,328	3,328	-	-	80	-	80	0.0	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	290	35	1	Classroom 106 (35)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	14	14	9	63	22	15	7	1,680	1,008	336	336	964	269	1,233	0.7	Cap	B
Blue Point Elementary	291	35.1	1	Classroom Bathroom (35.1)	Downlight/CFL Screw In/10.0W/1 Lamp - Globe/Medium (E26)/Surface/No Lens/2700K	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	3,328	3,328	-	-	13	-	13	0.0	NC	-
Blue Point Elementary	292	35.2	1	Classroom Closet (35.2)	Downlight/Incandescent/72.0W/1 Lamp - Keyless/Medium (E26)/120V	9W A19 E26 120V Dimmable, Enclosed	1	1	9	72	9	9	0	1,043	1,043	-	-	66	-	66	0.1	NC	-
Blue Point Elementary	293	36	1	Classroom 105 (36)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	14	14	9	63	22	15	7	1,680	1,008	336	336	964	269	1,233	0.7	Cap	B
Blue Point Elementary	294	36.2	1	Classroom Closet (36.2)	Downlight/Incandescent/72.0W/1 Lamp - Keyless/Medium (E26)/120V	9W A19 E26 120V Dimmable, Enclosed	1	1	9	72	9	9	0	1,043	1,043	-	-	66	-	66	0.1	NC	-
Blue Point Elementary	295	36.1	1	Classroom Bathroom (36.1)	Downlight/Light Emiting Diode/7.0W/1 Lamp - Round/Medium (E26)/Surface	No Retrofit	1	1	9	7	7	7	0	3,328	3,328	-	-	-	-	-	-	NC	-
Blue Point Elementary	296	44	1	Girls Bathroom (44)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	297	44	1	Girls Bathroom (44)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	24	10	3,328	666	998	1,664	87	87	174	0.0	Cap	B
Blue Point Elementary	298	45	1	Storage Room (45)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	11	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	299	46	1	Hallway (46)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	300	46	1	Hallway (46)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	301	46	1	Hallway (46)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	302	46	1	Hallway (46)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	14	14	9	65	21	21	0	4,160	4,160	-	-	2,563	-	2,563	0.6	NC	-
Blue Point Elementary	303	46.1	1	Hallway Foyer (46.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	65	21	21	0	4,160	4,160	-	-	366	-	366	0.1	NC	-
Blue Point Elementary	304	47	1	Hallway (47)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	10	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	305	47	1	Hallway (47)	Strip/T8 Fluorescent/25.0W/1 Lamp - Electronic/Instant/3 ft/Display/Ceiling	Relamp, reballast to ONE 3' LED tube, new LBF, electronic ballast	1	1	7	23	10	10	0	4,160	4,160	-	-	54	-	54	0.0	NC	-
Blue Point Elementary	306	47	1	Hallway (47)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Cove/Ceiling/No Lens	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	7	42	11	11	0	4,160	4,160	-	-	131	-	131	0.0	NC	-
Blue Point Elementary	307	47	1	Hallway (47)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	2	2	11	60	27	16	5	4,160	832	2,496	832	275	171	445	0.1	Cap	B
Blue Point Elementary	308	48	1	Hallway (48)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	309	48	1	Hallway (48)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	310	48	1	Hallway (48)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	3	3	11	60	27	16	5	4,160	832	2,496	832	412	256	668	0.1	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	311	48.1	1	Hallway (48.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	10	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	312	48.1	1	Hallway (48.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	2	2	11	60	27	16	5	4,160	832	2,496	832	275	171	445	0.1	Cap	B
Blue Point Elementary	313	49	1	Cafeteria (49)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	7	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	314	49	1	Cafeteria (49)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	1	1	10	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	315	49	1	Cafeteria (49)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	30	30	11	63	22	15	7	2,860	1,716	1,144	-	3,518	868	4,386	1.4	Cap	B
Blue Point Elementary	316	50	1	Janitor Closet (50)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface/120V/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	8	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	317	51	1	Kitchen (51)	Downlight/CFL Screw In/11.0W/1 Lamp - 4 in/Round/Recessed	9W BR30 E26 4000K 120V Dimmable	1	1	9	13	9	9	0	2,346	2,346	-	-	9	-	9	0.0	NC	-
Blue Point Elementary	318	51	1	Kitchen (51)	Downlight/CFL Screw In/11.0W/2 Lamp - 12 in/12 in/Square/Recessed	TWO 9W A19 E26 120V Dimmable, Enclosed	2	2	9	26	18	18	0	2,346	2,346	-	-	38	-	38	0.0	NC	-
Blue Point Elementary	319	51	1	Kitchen (51)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	7	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	320	51	1	Kitchen (51)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed/Hard Lid	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	9	60	21	15	6	2,346	938	1,408	-	1,098	319	1,417	0.5	NC	-
Blue Point Elementary	321	51.1	1	Kitchen Bathroom (51.1)	Downlight/CFL Screw In/11.0W/2 Lamp - 6 in/6 in/Square/Recessed	TWO 9W A19 E26 120V Dimmable, Enclosed	1	1	10	26	18	18	0	3,328	3,328	-	-	27	-	27	0.0	NC	-
Blue Point Elementary	322	51.2	1	Kitchen Storage (51.2)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - 1 ft/Jelly Jar/Medium (E26)/Pendant	9W A19 E26 120V Dimmable, Enclosed	1	1	9	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	323	51.2	1	Kitchen Storage (51.2)	Vapor Tight/Light Emiting Diode/7.0W/1 Lamp - 1 ft/Jelly Jar/Pendant	No Retrofit	1	1	9	7	7	7	0	1,043	1,043	-	-	-	-	-	-	NC	-
Blue Point Elementary	324	52	1	Round Hallway (52)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Wall/Red	No Retrofit	2	2	11	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	325	52	1	Round Hallway (52)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Indirect/Wall/No Lens	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	7	25	11	11	0	4,160	4,160	-	-	121	-	121	0.0	NC	-
Blue Point Elementary	326	52	1	Round Hallway (52)	Wrap/T8 Fluorescent/28.0W/3 Lamp - Electronic/4 ft/1 ft/Pendant/Rod	Relamp, reballast to THREE low wattage 4' LED tubes, new LBF, electronic ballast	9	9	12	64	32	32	0	4,160	4,160	-	-	1,217	-	1,217	0.3	NC	-
Blue Point Elementary	327	53	1	Round Hallway Closet (53)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/1 ft/Prismatic/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	12	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	328	54	1	Classroom 302 (54)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	329	55	1	Classroom 304 (55)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	330	56	1	Girls Room (56)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	3,328	3,328	-	-	140	-	140	0.0	NC	-
Blue Point Elementary	331	57	1	Faculty Bathroom (57)	Wrap/T8 Fluorescent/28.0W/3 Lamp - Electronic/4 ft/1 ft/Ceiling	Relamp, reballast to THREE low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	64	32	32	0	3,328	3,328	-	-	108	-	108	0.0	NC	-

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	332	58	1	Custodian (58)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Wall/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	1	1	8	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	333	59	1	Classroom 306 (59)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	334	60	1	Classroom 305 (60)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	335	61	1	Boys Room (61)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	9	42	21	21	0	3,328	3,328	-	-	140	-	140	0.0	NC	-
Blue Point Elementary	336	62	1	Outside Storage (62)	Highbay/T5 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Linear/4 ft/Surface/277V/Wireguard/Aluminium	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	9	95	42	42	0	1,043	1,043	-	-	55	-	55	0.1	NC	-
Blue Point Elementary	337	63	1	Classroom 303 (63)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	338	64	1	Classroom 301 (64)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1X4 ft - Tandem/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	16	16	9	60	20	14	6	1,680	1,008	336	336	1,075	280	1,355	0.7	Cap	B
Blue Point Elementary	339	65	1	Hallway (65)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	340	65	1	Hallway (65)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	11	11	9	63	22	13	4	4,160	832	2,496	832	1,876	765	2,641	0.5	Cap	B
Blue Point Elementary	341	66	1	Hallway (66)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	342	66	1	Hallway (66)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	3	3	9	60	34	20	7	4,160	832	2,496	832	324	322	647	0.1	Cap	B
Blue Point Elementary	343	66	1	Hallway (66)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed/Integrated Backup	2x4 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	60	34	20	7	8,760	1,752	7,008	-	228	214	442	0.0	Cap	B
Blue Point Elementary	344	67	1	Electrical Room (67)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	18	8	1,043	209	313	522	3	21	24	0.0	Cap	B
Blue Point Elementary	345	68	1	Storage (68)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket/2 ft/Recessed	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	18	8	1,043	209	313	522	9	21	30	0.0	Cap	B
Blue Point Elementary	346	69	1	Book Room (69)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Volumetric/2 ft/Recessed/Integrated Backup	2x2 LED Fixture with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	29	26	18	8	2,064	826	1,238	-	6	29	35	0.0	Cap	B
Blue Point Elementary	347	69	1	Book Room (69)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	2	2	9	60	34	24	10	2,064	826	826	413	107	84	192	0.1	Cap	B
Blue Point Elementary	348	70	1	Library (70)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Wall/Red	No Retrofit	2	2	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	349	70	1	Library (70)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	21	21	11	60	34	24	10	2,346	938	1,408	-	1,281	905	2,185	0.8	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	350	70.1	1	Library Storage (70.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Volumetric/4 ft/Recessed	2x4 LED Fixture with Adaptable Controls	1	1	9	60	34	24	10	1,043	209	313	522	27	27	54	0.0	Cap	B
Blue Point Elementary	351	71	1	Outside Storage (71)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Pendant	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	4	4	15	25	11	11	0	1,043	1,043	-	-	60	-	60	0.1	NC	-
Blue Point Elementary	352	72	1	Staircase (72)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	2	2	15	60	27	16	5	4,160	832	3,328	-	275	162	436	0.1	Cap	B
Blue Point Elementary	353	73	1	Staircase (73)	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Wall	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	9	25	11	11	0	4,160	4,160	-	-	121	-	121	0.0	NC	-
Blue Point Elementary	354	73	1	Staircase (73)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	3	3	15	60	27	16	5	4,160	832	3,328	-	412	243	654	0.1	Cap	B
Blue Point Elementary	355	74	1	Staircase (74)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed/120V	1x4 LED Kit with Adaptable Controls	2	2	9	25	20	12	4	4,160	832	3,328	-	42	120	161	0.0	Cap	B
Blue Point Elementary	356	74	1	Staircase (74)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	1	1	15	60	27	16	5	4,160	832	3,328	-	137	81	218	0.0	Cap	B
Blue Point Elementary	357	74	1	Staircase (74)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	6	42	21	21	0	4,160	4,160	-	-	87	-	87	0.0	NC	-
Blue Point Elementary	358	37	aseme	Break Room Stair (37)	Downlight/Light Emiting Diode/20.0W/1 Lamp - 12 in/Drum/Surface	No Retrofit	1	1	11	20	20	20	0	4,160	4,160	-	-	-	-	-	-	NC	-
Blue Point Elementary	359	37	aseme	Break Room Stair (37)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	9	63	22	13	4	4,160	832	3,328	-	341	132	473	0.1	Cap	B
Blue Point Elementary	360	38	aseme	Break Room (38)	Exit & Emergency/Light Emiting Diode/2.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	9	2	2	2	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	361	38	aseme	Break Room (38)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/Recessed/120V	2x2 LED Kit with Adaptable Controls	10	10	9	63	22	15	7	1,764	706	706	353	723	233	956	0.5	Cap	B
Blue Point Elementary	362	38.1	aseme	Break Room Storage (38.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	11	65	21	21	0	1,043	1,043	-	-	92	-	92	0.1	NC	-
Blue Point Elementary	363	39	aseme	Basement Danger FACP (39)	Downlight/CFL Screw In/11.0W/1 Lamp - Keyless/Medium (E26)/Surface/120V/2700K	9W A19 E26 120V Dimmable, Enclosed	2	2	6	13	9	9	0	1,043	1,043	-	-	8	-	8	0.0	NC	-
Blue Point Elementary	364	39	aseme	Basement Danger FACP (39)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Ceiling/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	365	39.1	aseme	Basement Danger FACP (39.1)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Surface/120V/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	6	13	9	9	0	1,043	1,043	-	-	4	-	4	0.0	NC	-
Blue Point Elementary	366	39.2	Base ment	Basement Danger FACP (39.2)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	367	39.2	aseme	Basement Danger FACP (39.2)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Ceiling/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	7	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	368	39.3	Base ment	Basement Danger FACP (39.3)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	369	40	aseme	Basement Storage (40)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/120V	2x4 LED Kit with Adaptable Controls	10	10	9	60	27	19	8	1,043	209	313	522	344	217	561	0.4	Cap	B

							729	729										45,705	20,043	65,748	24.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	370	40.1	aseme	Basement Storage (40.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Blue Point Elementary	371	40.1	aseme	Basement Storage (40.1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	11	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	372	40.2	aseme	Basement Storage (40.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	11	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	373	41	aseme	Basement Hallway (41)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/1 ft/Prismatic/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	6	6	10	42	21	21	0	4,160	4,160	-	-	524	-	524	0.1	NC	-
Blue Point Elementary	374	42	aseme	Basement Art Storage (42)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/1 ft/Prismatic/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	10	42	21	21	0	1,043	1,043	-	-	44	-	44	0.0	NC	-
Blue Point Elementary	375	43	aseme	Boiler Room (43)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	8	42	21	21	0	1,043	1,043	-	-	175	-	175	0.2	NC	-
Blue Point Elementary	376	43.1	aseme	Boiler Room (43.1)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	8	42	21	21	0	1,043	1,043	-	-	66	-	66	0.1	NC	-
Blue Point Elementary	377	43.2	aseme	Boiler Room (43.2)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Pendant/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	8	42	21	21	0	1,043	1,043	-	-	66	-	66	0.1	NC	-
Blue Point Elementary	378	40.3	aseme	Basement Storage (40.3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	11	42	21	21	0	1,043	1,043	-	-	22	-	22	0.0	NC	-
Blue Point Elementary	379	1	Attic	Attic (1)	Downlight/CFL Screw In/26.0W/1 Lamp - Round/Medium (E26)/120V/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	8	27	9	9	0	1,043	1,043	-	-	19	-	19	0.0	NC	-
Blue Point Elementary	380	1	Attic	Attic (1)	Downlight/Incandescent/100.0W/1 Lamp - Round/Medium (E26)/120V/No Lens	11W PAR30 E26 4000K 120V Dimmable	1	1	9	100	11	11	0	1,043	1,043	-	-	93	-	93	0.1	NC	-
Blue Point Elementary	381	1	Attic	Attic (1)	Downlight/Incandescent/72.0W/1 Lamp - Keyless/Medium (E26)/120V	9W A19 E26 120V Dimmable, Enclosed	2	2	9	72	9	9	0	1,043	1,043	-	-	131	-	131	0.1	NC	-
Blue Point Elementary	382	1	Attic	Attic (1)	Downlight/Light Emiting Diode/7.0W/1 Lamp - Keyless/Surface/120V	No Retrofit	1	1	8	7	7	7	0	1,043	1,043	-	-	-	-	-	-	NC	-

Facility	Blue Point Elementary
Location	212 Blue Point Avenue, Blue Point, NY 11715
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								34	34										3,642	-	3,642	-	
						t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	383	1	E	Main Entrance (1)	Decorative Outdoor/CFL Screw In/11.0W/1 Lamp - Sconces/Wall	9W A19 E26 120V Dimmable, Enclosed	2	2	6	13	9	9	0	4,380	4,380	-	-	35	-	35	-	NC	-
Blue Point Elementary	384	1	E	Main Entrance (1)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	2	2	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	385	2	E	Hallway 47 Exit (2)	Flood Light/Light Emiting Diode/30.0W/1 Lamp - Security/Wall	No Retrofit	1	1	12	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	386	2	E	Hallway 47 Exit (2)	Vapor Tight/CFL Screw In/11.0W/1 Lamp - Jelly Jar/Wall/Wireguard	9W A19 E26 120V Dimmable, Enclosed	2	2	7	13	9	9	0	4,380	4,380	-	-	35	-	35	-	NC	-
Blue Point Elementary	387	3	E	Font of drop zone (3)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	18	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	388	4	E	Entrance to parking lot (4)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	389	5	E	Kitchen Door (5)	Vapor Tight/Incandescent/100.0W/1 Lamp - Jelly Jar/Wall/Wireguard	17W LED HID Ballast By-pass Screw-in	1	1	7	100	17	17	0	4,380	4,380	-	-	364	-	364	-	NC	-
Blue Point Elementary	390	6	E	Right of Kitchen Door (6)	Flood Light/Metal Halide/250.0W/1 Lamp - Magnetic/Security/Slip Fitter	7,000 Lumen LED Flood Fixture	2	2	25	290	54	54	0	4,380	4,380	-	-	2,067	-	2,067	-	Cap	-
Blue Point Elementary	391	7	E	Exit 52 (7)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	8	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	392	8	E	Shed (8)	Troffer/T8 Fluorescent/28.0W/1 Lamp - Electronic/1x4 ft/Prismatic/4 ft/wall/120V	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	1	1	7	25	11	11	0	1,043	1,043	-	-	15	-	15	-	NC	-
Blue Point Elementary	393	8	E	Shed (8)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Surface/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	65	21	21	0	1,043	1,043	-	-	92	-	92	-	NC	-
Blue Point Elementary	394	9	E	Pole (9)	Area Light/Light Emiting Diode/50.0W/1 Lamp - Shoebox/Arm	No Retrofit	2	2	20	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	395	10	E	Library Exit (10)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	396	11	E	Outside Storage (11)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	397	12	E	Towards Large Field (12)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	398	13	E	Music Room and Bball (13)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	3	3	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	399	14	E	Near Stone Benches (14)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	400	15	E	ECM 34 exit (15)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	401	16	E	Gym Exit to Courtyard (16)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	23	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	402	17	E	Right of 16 - back wall gym (17)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	403	18	E	Right of 17 - back wall gym (18)	Wallpack/Metal Halide/250.0W/1 Lamp - Magnetic/Adjustable/Wall	7,000 Lumen LED Flood Fixture	1	1	20	290	54	54	0	4,380	4,380	-	-	1,034	-	1,034	-	Cap	-

Bayport-Blue Point Rev-I 2-21-2022

							34	34									3,642	-	3,642	-		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Blue Point Elementary	404	19	E	Side of Gym Exit (19)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	405	20	E	Quarter Circle Step (20)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	9	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-
Blue Point Elementary	406	21	E	Face School, Left Corner (21)	Wallpack/Light Emiting Diode/30.0W/1 Lamp - Forward Throw/Wall	No Retrofit	1	1	20	30	30	30	0	4,380	4,380	-	-	-	-	-	-	NC	-

Facility	Sylvan Avenue Elementary
Location	600 Sylvan Avenue, Bayport, NY 11705
Utility	PSEG LI

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	407	1	2	Restroom Girls (1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	408	1	2	Restroom Girls (1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	5	5	8	60	21	21	0	3,328	3,328	-	-	649	-	649	0.2	NC	-
Sylvan Avenue Elementary	409	2	2	Janitor Closet (2)	Downlight/CFL Screw In/15.0W/2 Lamp - 8 in/8 in/drum/Medium (E26)/Surface/No Lens	11" Surface Drum 16W	1	1	8	34	16	16	0	1,043	1,043	-	-	19	-	19	0.0	Cap	-
Sylvan Avenue Elementary	410	3	2	Restroom Boys (3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	411	3	2	Restroom Boys (3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	5	5	8	60	21	21	0	3,328	3,328	-	-	649	-	649	0.2	NC	-
Sylvan Avenue Elementary	412	4	2	Storage by Boys BR (4)	Downlight/CFL Screw In/11.0W/2 Lamp - 8 in/drum/Medium (E26)/Surface/120V/No Lens/3000K	11" Surface Drum 16W	2	2	8	26	16	16	0	1,043	1,043	-	-	21	-	21	0.0	Cap	-
Sylvan Avenue Elementary	413	5	2	Classroom 202 (5)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	414	5.1	2	Storage 202(5.1)	Downlight/CFL Screw In/11.0W/2 Lamp - 8 in/drum/3000K	11" Surface Drum 16W	1	1	9	26	16	16	0	1,043	1,043	-	-	10	-	10	0.0	Cap	-
Sylvan Avenue Elementary	415	6	2	Classroom 205 (6)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	416	7	2	Classroom 206 (7)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	417	8	2	Classroom 208 (8)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	418	9	2	Classroom 210 (9)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	419	10	2	Classroom 212 (10)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	420	11	2	Classroom 214 (11)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	421	12	2	Classroom 213 (12)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	422	13	2	Classroom 211 (13)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	423	14	2	Classroom 209 (14)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	424	15	2	Classroom 207 (15)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	425	16	2	Classroom 205 (16)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	426	17	2	Classroom 203 (17)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	427	18	2	Classroom 201 (18)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	12	12	9	63	22	15	7	1,680	1,008	336	336	827	231	1,057	0.6	Cap	B
Sylvan Avenue Elementary	428	19	2	Restroom Lobby (19)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	3,328	666	998	1,664	329	208	537	0.1	Cap	B
Sylvan Avenue Elementary	429	19.1	2	Electrical (19.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/Instant/2x2 ft/Prismatic/2G11(4-Pin)/Pendant/120V/4100K	TWO 13W PLL replacement for 4-Pin 40W Biax lamp, Ballast Compatible	1	1	9	63	33	33	0	1,043	1,043	-	-	31	-	31	0.0	NC	-
Sylvan Avenue Elementary	430	19.2	2	Lobby Men's Bathroom (19.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	3,328	3,328	-	-	70	-	70	0.0	NC	-
Sylvan Avenue Elementary	431	19.3	2	Lobby Women's Bathroom (19.3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Diagonal/Ceiling/120V/No Lens/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	42	21	21	0	3,328	3,328	-	-	70	-	70	0.0	NC	-
Sylvan Avenue Elementary	432	20	2	Hallway Girls - Class 214 (20)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	433	20	2	Hallway Girls - Class 214 (20)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	434	20	2	Hallway Girls - Class 214 (20)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	36	36	8	29	22	13	4	4,160	832	2,496	832	1,048	2,504	3,552	0.6	Cap	B
Sylvan Avenue Elementary	435	21	2	Elevator (21)	Downlight/CFL Screw In/11.0W/1 Lamp - 4 in/Round/Medium (E26)/Recessed/No Lens	9W BR30 E26 4000K 120V Dimmable	6	6	8	13	9	9	0	8,760	8,760	-	-	210	-	210	0.0	NC	-
Sylvan Avenue Elementary	436	22	1	Office (22)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	12	12	8	29	22	15	7	3,900	2,340	780	780	328	535	863	0.2	Cap	B
Sylvan Avenue Elementary	437	22	1	Office (22)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/4 ft/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	3	3	8	42	21	21	0	2,064	2,064	-	-	130	-	130	0.1	NC	-
Sylvan Avenue Elementary	438	23	1	Principle Office (23)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	4	4	8	29	22	15	7	2,064	826	826	413	58	109	167	0.1	Cap	B
Sylvan Avenue Elementary	439	23.1	1	Principal Restroom (23.1)	Strip/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Vanity/2 ft/Wall/120V	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	7	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	440	24	1	Conference Room (24)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	4	4	8	29	22	15	7	1,278	511	511	256	36	67	103	0.1	Cap	B
Sylvan Avenue Elementary	441	24	1	Conference Room (24)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/4 ft/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	8	42	21	21	0	1,278	1,278	-	-	107	-	107	0.1	NC	-
Sylvan Avenue Elementary	442	25	1	Psychologist (25)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	4	4	8	65	27	19	8	2,064	826	826	413	314	134	447	0.2	Cap	B
Sylvan Avenue Elementary	443	26	1	Health Room (26)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	7	7	8	65	27	19	8	2,580	1,032	1,032	516	686	293	979	0.3	Cap	B
Sylvan Avenue Elementary	444	26.1	1	Audio (26.1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Diagonal/Ceiling/120V/No Lens/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	42	21	21	0	1,680	1,680	-	-	71	-	71	0.0	NC	-

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	445	26.2	1	Health Room Restroom (26.2)	Strip/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Vanity/2 ft/Wall/120V	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	7	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	446	27	1	Restroom (27)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	1	1	8	60	27	19	8	3,328	666	998	1,664	110	69	179	0.0	Cap	B
Sylvan Avenue Elementary	447	29	1	Girl Restroom (29)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	3,328	3,328	-	-	260	-	260	0.1	NC	-
Sylvan Avenue Elementary	448	30	1	Gym Office (30)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	2,064	2,064	-	-	161	-	161	0.1	NC	-
Sylvan Avenue Elementary	449	31	1	Gym Office #2 (31)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	2,064	2,064	-	-	161	-	161	0.1	NC	-
Sylvan Avenue Elementary	450	32	1	Boys Restroom (32)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	3,328	3,328	-	-	260	-	260	0.1	NC	-
Sylvan Avenue Elementary	451	33	1	Boys Locker Room (33)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	9	9	8	25	9	9	0	2,860	2,860	-	-	412	-	412	0.1	NC	-
Sylvan Avenue Elementary	452	33.1	1	Boys Locker Room (33.1)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	4	4	8	25	9	9	0	2,860	2,860	-	-	183	-	183	0.1	NC	-
Sylvan Avenue Elementary	453	34	1	Gym (34)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	454	34	1	Gym (34)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	455	34	1	Gym (34)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/4 ft/Surface/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	15	15	18	234	140	84	28	2,860	1,144	1,144	572	4,033	4,084	8,117	2.3	Cap	A
Sylvan Avenue Elementary	456	34.1	1	Gym (34.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	457	34.1	1	Gym (34.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	458	34.1	1	Gym (34.1)	Highbay/T5 Fluorescent/54.0W/4 Lamp - Electronic/4 ft/Surface/Wireguard/Aluminium	24,000 Lumen High Bay with Adaptable Controls with Wire Guard for Gyms	15	15	18	234	140	84	28	2,860	1,144	1,144	572	4,033	4,084	8,117	2.3	Cap	A
Sylvan Avenue Elementary	459	34.2	1	Gym Storage (34.2)	Downlight/CFL Screw In/23.0W/1 Lamp - Hat/Medium (E26)/Pendant/No Lens	9W BR30 E26 4000K 120V Dimmable	2	2	8	25	9	9	0	1,043	1,043	-	-	33	-	33	0.0	NC	-
Sylvan Avenue Elementary	460	34.3	1	Gym Large Storage (34.3)	Strip/T8 Fluorescent/28.0W/4 Lamp - Electronic/8 ft/Industrial/4 ft/Ceiling/120V/4100K	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	85	42	42	0	1,043	1,043	-	-	90	-	90	0.1	NC	-
Sylvan Avenue Elementary	461	35	1	Gym small hallway (35)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	462	35	1	Gym small hallway (35)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	3	3	8	29	22	13	4	4,160	832	2,496	832	87	209	296	0.0	Cap	B
Sylvan Avenue Elementary	463	33.2	1	Boy locker room (33.2)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	1	1	0	25	9	9	0	2,860	2,860	-	-	46	-	46	0.0	NC	-
Sylvan Avenue Elementary	464	33.3	1	Boy locker room bathroom (33.3)	Downlight/CFL Screw In/11.0W/2 Lamp - 8 in/drum/3000K	11" Surface Drum 16W	1	1	0	26	16	16	0	3,328	3,328	-	-	33	-	33	0.0	Cap	-

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	465	36	1	Receiving (36)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	1,043	1,043	-	-	81	-	81	0.1	NC	-
Sylvan Avenue Elementary	466	36.1	1	Receiving Office (36.1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	60	21	21	0	2,064	2,064	-	-	80	-	80	0.0	NC	-
Sylvan Avenue Elementary	467	36.2	1	Receiving Stairs (36.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	8	60	21	21	0	4,160	4,160	-	-	162	-	162	0.0	NC	-
Sylvan Avenue Elementary	468	36.3	1	Receiving Storage (36.3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	0	29	17	17	0	1,043	1,043	-	-	13	-	13	0.0	NC	-
Sylvan Avenue Elementary	469	37	1	Kitchen (37)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	5	5	8	29	22	15	7	2,346	1,408	938	-	82	119	201	0.1	Cap	B
Sylvan Avenue Elementary	470	37	1	Kitchen (37)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	6	6	8	60	27	19	8	2,346	1,408	938	-	465	175	639	0.2	Cap	B
Sylvan Avenue Elementary	471	37	1	Kitchen (37)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/Integrated Backup/120V/4100K	2x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	3	3	8	65	27	19	8	2,346	938	1,408	-	267	103	370	0.1	Cap	B
Sylvan Avenue Elementary	472	37	1	Kitchen (37)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - Jelly Jar/Medium (E26)	9W A19 E26 120V Dimmable, Enclosed	8	8	0	25	9	9	0	2,346	2,346	-	-	300	-	300	0.1	NC	-
Sylvan Avenue Elementary	473	37.1	1	Kitchen Storage(37.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	1	1	0	60	27	19	8	1,043	209	313	522	34	22	56	0.0	Cap	B
Sylvan Avenue Elementary	474	37.2	1	Kitchen Cooler (37.2)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - Jelly Jar/Medium (E26)	9W A19 E26 120V Dimmable, Enclosed	3	3	0	25	9	9	0	730	730	-	-	35	-	35	0.0	NC	-
Sylvan Avenue Elementary	475	37.3	1	Restroom Vestibule (37.3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	476	37.4	1	kitchen restroom (37.4)	Strip/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/Vanity/2 ft/Wall/120V	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	7	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	477	38	1	Cafeteria (38)	Downlight/Light Emiting Diode/10.0W/1 Lamp - 8 in/Lensed Can/Medium Side (MS)/PAR38/Recessed/Lens	No Retrofit	21	21	12	10	10	10	0	2,860	2,860	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	478	38	1	Cafeteria (38)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	2	2	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	479	38	1	Cafeteria (38)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	480	38	1	Cafeteria (38)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	24	24	14	60	27	19	8	2,860	1,144	1,144	572	2,265	1,112	3,377	1.0	Cap	B
Sylvan Avenue Elementary	481	38.2	1	Cafeteria Stage (38.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/4 ft/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	9	9	12	42	21	21	0	2,860	2,860	-	-	541	-	541	0.2	NC	-
Sylvan Avenue Elementary	482	38.1	1	Cafeteria Side Entrance (38.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/1x4 ft/Prismatic/4 ft/Recessed/120V/4100K	1x4 LED Kit with Adaptable Controls	1	1	9	42	20	14	6	2,860	1,144	1,716	-	63	31	94	0.0	Cap	B
Sylvan Avenue Elementary	483	38.3	1	Cafeteria Mechanical (38.3)	Downlight/Incandescent/150.0W/1 Lamp - Keyless/wall	17W LED HID Ballast By-pass Screw-in	1	1	0	150	17	17	0	1,043	1,043	-	-	139	-	139	0.1	NC	-

Bayport-Blue Point Rev-I 2-21-2022

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	484	38.4	1	Service line (38.4)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	4	4	8	29	22	15	7	2,860	1,144	1,144	572	80	151	231	0.1	Cap	B
Sylvan Avenue Elementary	485	38.5	1	Music Storage (38.5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	2	2	0	65	27	19	8	1,043	209	313	522	79	43	123	0.1	Cap	B
Sylvan Avenue Elementary	486	39	1	Classroom Music (39)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	12	12	9	60	27	19	8	1,680	1,008	336	336	665	283	948	0.5	Cap	B
Sylvan Avenue Elementary	487	40	1	Hallway -Receiving to Music (40)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	488	40	1	Hallway -Receiving to Music (40)	Strip/T8 Fluorescent/25.0W/2 Lamp - Electronic/Instant/3 ft/Display/Hard Lid	Relamp, reballast to TWO 3' LED tubes, new LBF, electronic ballast	1	1	0	43	20	20	0	4,160	4,160	-	-	96	-	96	0.0	NC	-
Sylvan Avenue Elementary	489	40	1	Hallway -Receiving to Music (40)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	17	17	8	29	22	13	4	4,160	832	2,496	832	495	1,182	1,677	0.3	Cap	B
Sylvan Avenue Elementary	490	40.1	1	Short Hallway by Restroom (40.1)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	491	40.1	1	Short Hallway by Restroom (40.1)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	3	3	8	29	22	13	4	4,160	832	2,496	832	87	209	296	0.0	Cap	B
Sylvan Avenue Elementary	492	41	1	Short Hallway by Restroom (41)	Downlight/Incandescent/60.0W/1 Lamp - 8 in/Lensed Can/Medium (E26)/Recessed/Lens	11W PAR30 E26 4000K 120V Dimmable	1	1	8	60	11	11	0	3,328	3,328	-	-	163	-	163	0.0	NC	-
Sylvan Avenue Elementary	493	41	1	Short Hallway by Restroom (41)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	494	41	1	Short Hallway by Restroom (41)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	495	41	1	Short Hallway by Restroom (41)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	13	13	8	29	22	13	4	4,160	832	2,496	832	379	904	1,283	0.2	Cap	B
Sylvan Avenue Elementary	496	42	1	Kindergarten (42)	Troffer/T8 Fluorescent/17.0W/4 Lamp - Electronic/Instant/2x2 ft/2 ft/Recessed	2x2 LED Kit with Adaptable Controls	2	2	9	56	22	15	7	1,680	1,008	336	336	114	38	153	0.1	Cap	B
Sylvan Avenue Elementary	497	42	1	Kindergarten (42)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	14	14	9	60	27	19	8	1,680	672	672	336	776	381	1,157	0.6	Cap	B
Sylvan Avenue Elementary	498	43	1	Short Hall by Kindergarten (43)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/1x4 ft/Prismatic/4 ft/Recessed/120V/4100K	1x4 LED Kit with Adaptable Controls	2	2	0	42	20	12	4	4,160	832	2,496	832	183	126	310	0.1	Cap	B
Sylvan Avenue Elementary	499	44	1	Kindergarten A (44)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	15	15	9	63	22	15	7	1,680	1,008	336	336	1,033	288	1,321	0.7	Cap	B
Sylvan Avenue Elementary	500	44.1	1	kindergarten A Storage (44.1)	Downlight/CFL Pin Base/13.0W/2 Lamp - Electronic/10 in/Drum/G23(2-Pin)/CFQ/Surface/No Lens	11" Surface Drum 16W	1	1	9	30	16	16	0	1,043	1,043	-	-	15	-	15	0.0	Cap	-
Sylvan Avenue Elementary	501	44.2	1	Kindergarten A Storage (44.2)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	0	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
Sylvan Avenue Elementary	502	44.3	1	Restroom (44.3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	503	46	1	Kindergarten Side Entrance (46)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	4,160	4,160	-	-	67	-	67	0.0	NC	-
Sylvan Avenue Elementary	504	45.2	1	Kindergarten A Storage (45.2)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	505	45.2	1	Kindergarten A Storage (45.2)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	0	63	22	15	7	1,043	209	313	522	43	18	60	0.0	Cap	B
Sylvan Avenue Elementary	506	45.3	1	Restroom (45.3)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	507	45	1	Kindergarten B (45)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	15	15	9	63	22	15	7	1,680	1,008	336	336	1,033	288	1,321	0.7	Cap	B
Sylvan Avenue Elementary	508	45.1	1	kindergarten A Storage (45.1)	Downlight/CFL Pin Base/13.0W/2 Lamp - Electronic/10 in/Drum/G23(2-Pin)/CFQ/Surface/Lens	11" Surface Drum 16W	1	1	9	30	16	16	0	1,043	1,043	-	-	15	-	15	0.0	Cap	-
Sylvan Avenue Elementary	509	46	1	Restroom Vestibule (46)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/1x4 ft/Prismatic/4 ft/Recessed/120V/4100K	1x4 LED Kit with Adaptable Controls	2	2	9	42	20	14	6	3,328	666	998	1,664	146	103	249	0.1	Cap	B
Sylvan Avenue Elementary	510	46.1	1	Restroom Men Room (46.1)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	1	1	8	63	22	15	7	3,328	666	998	1,664	136	56	193	0.0	Cap	B
Sylvan Avenue Elementary	511	46.2	1	Restroom Men (46.2)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Diagonal/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	42	21	21	0	3,328	3,328	-	-	70	-	70	0.0	NC	-
Sylvan Avenue Elementary	512	46.3	1	Restroom Women (46.3)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Diagonal/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	42	21	21	0	3,328	3,328	-	-	70	-	70	0.0	NC	-
Sylvan Avenue Elementary	513	46.4	1	Restroom Women (46.4)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/11 in/4 ft/Diagonal/Ceiling/120V/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	42	21	21	0	3,328	3,328	-	-	70	-	70	0.0	NC	-
Sylvan Avenue Elementary	514	46.5	1	Electrical (46.5)	Strip/T8 Fluorescent/28.0W/4 Lamp - Electronic/8 ft/Industrial/4 ft/Ceiling/120V/4100K	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	1	1	0	85	42	42	0	1,043	1,043	-	-	45	-	45	0.0	NC	-
Sylvan Avenue Elementary	515	47	1	Classroom 101 (47)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	516	47.1	1	Restroom (47.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	517	48	1	Classroom 103 (48)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	518	48.1	1	Restroom (48.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	519	49	1	Classroom 105 (49)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	520	49.1	1	Restroom (49.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	521	50	1	Classroom 107 (50)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	522	50.1	1	Restroom (50.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	523	51	1	Classroom 109 (51)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	524	51.1	1	Restroom (51.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	525	52	1	Classroom 111(52)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	526	52.1	1	Restroom (52.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	527	53	1	Classroom 113 (53)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	528	53.1	1	Restroom (53.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	529	54	1	Classroom 114 (54)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	530	54.1	1	Restroom (54.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	531	55	1	Classroom 112 (55)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	532	55.1	1	Restroom (55.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	533	56	1	Classroom 110 (56)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	534	56.1	1	Restroom (56.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	535	57	1	Classroom 108 (57)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	536	57.1	1	Restroom (57.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	537	58	1	Classroom 106 (58)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B

							827	827										52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	538	58.1	1	Restroom (58.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	539	59	1	Classroom 104 (59)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,680	1,008	336	336	499	212	711	0.4	Cap	B
Sylvan Avenue Elementary	540	59.1	1	Restroom (59.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	541	60	1	Faculty (60)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	9	9	9	60	27	19	8	1,764	706	706	353	524	257	781	0.4	Cap	B
Sylvan Avenue Elementary	542	60.1	1	Restroom (60.1)	Wrap/T8 Fluorescent/17.0W/2 Lamp - Electronic/2 ft/10 ft/2 ft/ceiling hard lid/4100K	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	8	29	17	17	0	3,328	3,328	-	-	40	-	40	0.0	NC	-
Sylvan Avenue Elementary	543	61.1	1	Main Entrance (61.1)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	3	3	9	25	9	9	0	4,160	4,160	-	-	200	-	200	0.0	NC	-
Sylvan Avenue Elementary	544	61	1	Hallway Main Lobby (61)	Downlight/Incandescent/67.0W/1 Lamp - Wall Wash	9W A19 E26 120V Dimmable, Enclosed	2	2	9	67	9	9	0	4,160	4,160	-	-	483	-	483	0.1	NC	-
Sylvan Avenue Elementary	545	61	1	Hallway Main Lobby (61)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	546	61	1	Hallway Main Lobby (61)	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/display/4 ft/Hard Lid	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	0	42	21	21	0	4,160	4,160	-	-	175	-	175	0.0	NC	-
Sylvan Avenue Elementary	547	61	1	Hallway Main Lobby (61)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	21	21	8	29	22	13	4	4,160	832	2,496	832	612	1,461	2,072	0.3	Cap	B
Sylvan Avenue Elementary	548	62	1	Hallway C102-C114 (62)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit With Bugeye/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	549	62	1	Hallway C102-C114 (62)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	0	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	550	62	1	Hallway C102-C114 (62)	Troffer/T8 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2 ft/Recessed/120V/4100K	2x2 LED Kit with Adaptable Controls	31	31	8	29	22	13	4	4,160	832	2,496	832	903	2,156	3,059	0.5	Cap	B
Sylvan Avenue Elementary	551	63	1	Stairwell by Elevator (63)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	4	4	9	63	22	13	4	4,160	832	3,328	-	682	264	946	0.2	Cap	B
Sylvan Avenue Elementary	552	63	1	Stairwell by Elevator (63)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	15	63	22	13	4	4,160	832	3,328	-	341	132	473	0.1	Cap	B
Sylvan Avenue Elementary	553	63	1	Stairwell by Elevator (63)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/2x4 ft/Prismatic/4 ft/Recessed/120V/4100K	2x4 LED Kit with Adaptable Controls	1	1	0	60	27	16	5	4,160	832	3,328	-	137	81	218	0.0	Cap	B
Sylvan Avenue Elementary	554	64	1	Stairwell by Class 214 (64)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	8	8	9	63	22	13	4	4,160	832	3,328	-	1,364	527	1,892	0.4	Cap	B
Sylvan Avenue Elementary	555	64	1	Stairwell by Class 214 (64)	Troffer/CFL TT5/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/2G11(4-Pin)/Recessed/120V	2x2 LED Kit with Adaptable Controls	2	2	15	63	22	13	4	4,160	832	3,328	-	341	132	473	0.1	Cap	B
Sylvan Avenue Elementary	556	40.2	1	Custodial Closet (40.2)	Downlight/CFL Screw In/11.0W/2 Lamp - 8 in/drum/Medium (E26)/Surface/120V/No Lens/3000K	11" Surface Drum 16W	1	1	8	26	16	16	0	1,043	1,043	-	-	10	-	10	0.0	Cap	-

							827	827								52,347	28,944	81,290	30.4		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	557	33.4	1	Storage (33.4)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	8	60	21	21	0	1,043	1,043	-	-	163	-	163	0.2	NC	-
Sylvan Avenue Elementary	558	65	aseme	Basement Hallway (65)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - Jelly Jar/Medium (E26)/Wall	9W A19 E26 120V Dimmable, Enclosed	1	1	8	25	9	9	0	4,160	4,160	-	-	67	-	67	0.0	NC	-
Sylvan Avenue Elementary	559	65	aseme	Basement Hallway (65)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	4	4	8	60	21	21	0	4,160	4,160	-	-	649	-	649	0.2	NC	-
Sylvan Avenue Elementary	560	66	aseme	Basement Storage (66)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	7	7	8	60	21	21	0	1,043	1,043	-	-	285	-	285	0.3	NC	-
Sylvan Avenue Elementary	561	66.1	Base ment	Basement Storage Freezer (66.1)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - Jelly Jar/Medium (E26)	9W A19 E26 120V Dimmable, Enclosed	4	4	8	25	9	9	0	1,043	1,043	-	-	67	-	67	0.1	NC	-
Sylvan Avenue Elementary	562	65.1	Base ment	Basement Elevator (65.1)	Downlight/CFL Screw In/23.0W/1 Lamp - keyless	9W A19 E26 120V Dimmable, Enclosed	2	2	0	25	9	9	0	4,160	4,160	-	-	133	-	133	0.0	NC	-
Sylvan Avenue Elementary	563	67	aseme	Basement Larger Storage (67)	Decorative Indoor/CFL Screw In/23.0W/1 Lamp - Sconces/Medium (E26)/Wall	9W A19 E26 120V Dimmable, Enclosed	1	1	6	25	9	9	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
Sylvan Avenue Elementary	564	67	aseme	Basement Larger Storage (67)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	8	60	21	21	0	1,043	1,043	-	-	325	-	325	0.3	NC	-
Sylvan Avenue Elementary	565	67.1	aseme	Basement Small Storage (67.1)	Downlight/CFL Screw In/23.0W/1 Lamp - Hat/Medium (E26)/Pendant/No Lens	9W BR30 E26 4000K 120V Dimmable	1	1	8	25	9	9	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
Sylvan Avenue Elementary	566	67.1	aseme	Basement Small Storage (67.1)	Vapor Tight/CFL Screw In/23.0W/1 Lamp - Jelly Jar/Medium (E26)	9W A19 E26 120V Dimmable, Enclosed	1	1	8	25	9	9	0	1,043	1,043	-	-	17	-	17	0.0	NC	-
Sylvan Avenue Elementary	567	68	aseme	Basement Boiler Room (68)	Exit & Emergency/Light Emiting Diode/3.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	8	3	3	3	0	8,760	8,760	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	568	68	aseme	Basement Boiler Room (68)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	12	12	11	60	21	21	0	1,043	1,043	-	-	488	-	488	0.5	NC	-
Sylvan Avenue Elementary	569	68.1	aseme	Basement Electrical Room (68.1)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	11	60	21	21	0	1,043	1,043	-	-	81	-	81	0.1	NC	-
Sylvan Avenue Elementary	570	69	aseme	Storage Right Elevator (69)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	11	60	21	21	0	1,043	1,043	-	-	81	-	81	0.1	NC	-
Sylvan Avenue Elementary	571	69	aseme	Storage Right Elevator (69)	Wrap/T8 Fluorescent/28.0W/2 Lamp - Electronic/Instant/4 ft/9 in/4 ft/Pendant/4100K	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	2	2	8	60	21	21	0	1,043	1,043	-	-	81	-	81	0.1	NC	-

Facility	Sylvan Avenue Elementary
Location	600 Sylvan Avenue, Bayport, NY 11705
Utility	PSEG LI

						t o o	22	22										12,089	-	12,089	-		
							Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Sylvan Avenue Elementary	572	1	E	Exterior by Stage (1)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	16	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	573	2	E	Cafeteria Door (2)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	4,380	4,380	-	-	70	-	70	-	NC	-
Sylvan Avenue Elementary	574	3	E	Exterior by cafeteria (3)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	16	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	575	4	E	Adjacent to recieving door (4)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	16	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	576	5	E	canopy by receiving door (5)	Canopy/High Pressure Sodium/100.0W/1 Lamp - Magnetic/10 in/10 in/Medium (E26)/Surface	17W LED HID Ballast By-pass Screw-in	2	2	11	120	17	17	0	4,380	4,380	-	-	902	-	902	-	NC	-
Sylvan Avenue Elementary	577	6	E	Exterior by metal cage (6)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	16	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	578	7	E	Camopy Next to metal cage (7)	Downlight/CFL Screw In/23.0W/1 Lamp - 10 in/10 in/Square/Medium (E26)/Recessed/120V/Lens	9W A19 E26 120V Dimmable, Enclosed	1	1	9	25	9	9	0	4,380	4,380	-	-	70	-	70	-	NC	-
Sylvan Avenue Elementary	579	8	E	exterior at gym at 20ft (8)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	20	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	580	9	E	exterior next bball at 20ft (9)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	20	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	581	10	E	exterior next to small park (10)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	20	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	582	11	E	exterior park blue wall (11)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	583	12	E	exterior bball blue wall (12)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	584	13	E	exterior principal corner (13)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	585	14	E	exterior corner staircase (14)	Flood Light/Light Emiting Diode/50.0W/1 Lamp - Knuckle/Photocontrol	No Retrofit	1	1	22	50	50	50	0	4,380	4,380	-	-	-	-	-	-	NC	-
Sylvan Avenue Elementary	586	14	E	exterior corner staircase (14)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	587	15	E	exterior classroom 11 (15)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	588	16	E	exterior classroom 103 (16)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	589	17	E	exterior kindergarten b (17)	Flood Light/High Pressure Sodium/150.0W/1 Lamp - Magnetic/Medium (E26)/Knuckle	7,000 Lumen LED Flood Fixture	1	1	22	190	54	54	0	4,380	4,380	-	-	596	-	596	-	Cap	-
Sylvan Avenue Elementary	590	18	E	exterior kindergarden exit (18)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wallpack with emergency back-up to maintain required light levels at egress	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-
Sylvan Avenue Elementary	591	19	E	exterior kindergarten A (19)	Flood Light/High Pressure Sodium/150.0W/1 Lamp - Magnetic/Medium (E26)/Yoke	7,000 Lumen LED Flood Fixture	1	1	22	190	54	54	0	4,380	4,380	-	-	596	-	596	-	Cap	-
Sylvan Avenue Elementary	592	20	E	exterior kindergarten A (20)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	5000Lm Open Face Wall Pack	1	1	22	190	40	40	0	4,380	4,380	-	-	657	-	657	-	Cap	-

							t o o	22	22											12,089	-	12,089	-	
								Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS				
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture		E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey

Facility	Administration Bldg (wing of High School)
Location	200 Snedecor Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								164	164										19,239	7,760	26,999	7.7		
						t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Administration Bldg	1419	1	1	Conference Room (1)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	8	8	9	72	27	19	8	2,580	1,032	1,032	516	929	334	1,263	0.4	Cap	B
Administration Bldg	1420	2	1	Storage (2)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed/No Lens	2x2 LED Kit with Adaptable Controls	1	1	9	42	22	15	7	1,043	209	313	522	21	18	39	0.0	Cap	B
Administration Bldg	1421	3	1	Office (3)	Troffer/T5 Fluorescent/14.0W/2 Lamp - Electronic/2x2 ft/Double Basket	2x2 LED Fixture with Adaptable Controls	1	1	9	35	26	18	8	2,580	1,032	1,032	516	23	40	63	0.0	Cap	B
Administration Bldg	1422	3	1	Office (3)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,580	1,032	1,032	516	232	84	316	0.1	Cap	B
Administration Bldg	1423	3	1	Office (3)	Troffer/T8 Fluorescent/28.0W/4 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	6	6	9	92	27	19	8	2,580	1,032	1,032	516	1,006	251	1,257	0.4	Cap	B
Administration Bldg	1424	4	1	Storage (4)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed/No Lens	2x4 LED Kit with Adaptable Controls	2	2	9	65	27	19	8	1,043	209	313	522	79	43	123	0.1	Cap	B
Administration Bldg	1425	5	1	Copy Room (5)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,580	1,032	1,032	516	85	42	127	0.0	Cap	B
Administration Bldg	1426	6	1	Office (6)	Troffer/T8 Fluorescent/28.0W/6 Lamp - Electronic/4x4 ft/Prismatic/4 ft/Surface	Relamp, reballast to SIX low wattage 4' LED tubes, TWO new LBF, electronic ballast	2	2	9	128	63	63	0	2,580	2,580	-	-	335	-	335	0.1	NC	-
Administration Bldg	1427	6.1	1	Office Br (6.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x2 ft/Prismatic/4 ft/Recessed	Relamp, reballast to TWO 2' LED tubes, new LBF, electronic ballast	1	1	9	62	17	17	0	2,580	2,580	-	-	116	-	116	0.0	NC	-
Administration Bldg	1428	7	1	Office Superintendent Foyer (7)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	3,900	1,560	1,560	780	129	63	192	0.0	Cap	B
Administration Bldg	1429	7	1	Office Superintendent Foyer (7)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	3,900	1,560	1,560	780	527	190	716	0.2	Cap	B
Administration Bldg	1430	7	1	Office Superintendent Foyer (7)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/Integrated Backup	2x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	64	27	19	8	3,900	1,560	1,560	780	144	63	207	0.0	Cap	B
Administration Bldg	1431	8	1	Assistant Superintendent (8)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Kit/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	65	27	19	8	2,580	1,032	1,032	516	196	84	280	0.1	Cap	B
Administration Bldg	1432	8.1	1	Assistant Superintendent (8.1)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Kit/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	65	27	19	8	2,580	1,032	1,032	516	294	125	420	0.1	Cap	B
Administration Bldg	1433	9	1	Office (9)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,580	1,032	1,032	516	232	84	316	0.1	Cap	B
Administration Bldg	1434	10	1	Office (10)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	2,580	1,032	1,032	516	170	84	254	0.1	Cap	B
Administration Bldg	1435	11	1	Office (11)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,580	1,032	1,032	516	232	84	316	0.1	Cap	B
Administration Bldg	1436	12	1	Storage (12)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	72	27	19	8	1,043	209	313	522	47	22	69	0.1	Cap	B

							164	164									19,239	7,760	26,999	7.7		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin			SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Administration Bldg	1437	13	1	Office (13)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	72	27	19	8	2,580	1,032	1,032	516	116	42	158	0.1	Cap	B
Administration Bldg	1438	14	1	Office (14)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	72	27	19	8	2,580	1,032	1,032	516	116	42	158	0.1	Cap	B
Administration Bldg	1439	14	1	Office (14)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/Integrated Backup	2x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	1	1	9	64	27	19	8	2,580	1,032	1,032	516	95	42	137	0.0	Cap	B
Administration Bldg	1440	15	1	Hallway Space (15)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1441	15	1	Hallway Space (15)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	60	20	12	4	4,160	832	2,496	832	166	63	230	0.0	Cap	B
Administration Bldg	1442	15	1	Hallway Space (15)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	13	13	9	72	27	16	5	4,160	832	2,496	832	2,434	1,110	3,543	0.7	Cap	B
Administration Bldg	1443	16	1	Hallway (16)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1444	16	1	Hallway (16)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	16	5	4,160	832	2,496	832	549	341	891	0.2	Cap	B
Administration Bldg	1445	17	1	Men's Bathroom (17)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	3,900	780	1,170	1,950	386	243	629	0.1	Cap	B
Administration Bldg	1446	18	1	Janitor Closet (18)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/1x4 ft/Prismatic/4 ft/Recessed	1x4 LED Kit with Adaptable Controls	1	1	9	60	20	14	6	1,043	209	313	522	42	16	58	0.0	Cap	B
Administration Bldg	1447	19	1	Women's Bathroom (19)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	3,900	780	1,170	1,950	386	243	629	0.1	Cap	B
Administration Bldg	1448	20	1	Kitchen (20)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	60	27	19	8	2,580	1,548	1,032	-	341	128	469	0.2	Cap	B
Administration Bldg	1449	21	1	Office (21)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	60	27	19	8	2,580	1,032	1,032	516	255	125	381	0.1	Cap	B
Administration Bldg	1450	22	1	Storage (22)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	1,043	209	313	522	34	22	56	0.0	Cap	B
Administration Bldg	1451	23	1	Office (23)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	60	27	19	8	2,580	1,032	1,032	516	170	84	254	0.1	Cap	B
Administration Bldg	1452	24	1	Hallway (24)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	2	2	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1453	24	1	Hallway (24)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	7	7	9	60	27	16	5	4,160	832	2,496	832	961	598	1,559	0.3	Cap	B
Administration Bldg	1454	25	1	Office (25)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,580	1,032	1,032	516	232	84	316	0.1	Cap	B
Administration Bldg	1455	26	1	Office (26)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	2,580	1,032	1,032	516	348	125	474	0.2	Cap	B
Administration Bldg	1456	27	1	Office Copy Room (27)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	2,580	1,032	1,032	516	348	125	474	0.2	Cap	B

Bayport-Blue Point Rev-I 2-21-2022

							164	164										19,239	7,760	26,999	7.7		
						t o o	Fixture ty			Fixture Watts				timated Hours for Energy Savin				SAVINGS					
I a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Administration Bldg	1457	28	1	Conference Room (28)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	12	12	9	72	27	19	8	2,580	1,032	1,032	516	1,393	502	1,895	0.6	Cap	B
Administration Bldg	1458	29	1	Front Office (29)	Downlight/CFL Screw In/11.0W/1 Lamp - Round/Medium (E26)/Recessed	9W BR30 E26 4000K 120V Dimmable	4	4	8	13	9	9	0	3,900	3,900	-	-	62	-	62	0.0	NC	-
Administration Bldg	1459	29	1	Front Office (29)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1460	29	1	Front Office (29)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	7	7	9	72	27	19	8	3,900	2,340	1,560	-	1,229	339	1,568	0.4	Cap	B
Administration Bldg	1461	30	1	Office (30)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	2,580	1,032	1,032	516	232	84	316	0.1	Cap	B
Administration Bldg	1462	31	1	Main Foyer (31)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	3,900	1,560	2,340	-	129	57	186	0.0	Cap	B
Administration Bldg	1463	32	1	Main Bathroom (32)	Troffer/T5 Fluorescent/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic	2x2 LED Kit with Adaptable Controls	1	1	9	35	22	15	7	3,900	780	1,170	1,950	51	66	117	0.0	Cap	B
Administration Bldg	1464	33	1	Office (33)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	72	27	19	8	2,580	1,032	1,032	516	464	167	632	0.2	Cap	B
Administration Bldg	1465	34	1	Office (34)	Troffer/T8 Fluorescent/28.0W/2 Lamp - Electronic/2x4 ft/Prismatic/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	60	27	19	8	2,580	1,032	1,032	516	85	42	127	0.0	Cap	B
Administration Bldg	1466	34	1	Office (34)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	4	4	9	72	27	19	8	2,580	1,032	1,032	516	464	167	632	0.2	Cap	B
Administration Bldg	1467	35	1	Office (35)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	2,580	1,032	1,032	516	348	125	474	0.2	Cap	B
Administration Bldg	1468	36	1	Office (36)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	2,580	1,032	1,032	516	348	125	474	0.2	Cap	B
Administration Bldg	1469	37	1	Office (37)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	3	3	9	72	27	19	8	2,580	1,032	1,032	516	348	125	474	0.2	Cap	B
Administration Bldg	1470	38	1	Lighting Room (38)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	2	2	9	72	27	19	8	1,043	209	313	522	94	43	137	0.1	Cap	B
Administration Bldg	1471	38.1	1	Lighting Room (38.1)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed	2x4 LED Kit with Adaptable Controls	1	1	9	72	27	19	8	1,043	209	313	522	47	22	69	0.1	Cap	B
Administration Bldg	1472	39	1	Main Office Space (39)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Ceiling/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1473	39	1	Main Office Space (39)	Exit & Emergency/Light Emiting Diode/10.0W/1 Lamp - Exit/Wall/Red	No Retrofit	1	1	9	10	10	10	0	8,760	8,760	-	-	-	-	-	-	NC	-
Administration Bldg	1474	39	1	Main Office Space (39)	Troffer/T8 Fluorescent/28.0W/3 Lamp - Electronic/2x4 ft/Parabolic Louver/4 ft/Recessed/Integrated Backup	2x4 LED Kit with Adaptable Controls with emergency back-up to maintain required light levels at egress	15	15	9	64	27	19	8	3,900	1,560	2,340	-	2,165	853	3,017	0.7	Cap	B

Facility	Buildings & Grounds
Location	200 Snedecor Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

							80	80										8,037	175	8,211	1.7		
						t o o	Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS					
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Buildings & Grounds	1475	1	1	Grounds Open Area	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/8 ft/Strip/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	7	7	10	42	21	21	0	4,860	4,860	-	-	714	-	714	0.1	NC	-
Buildings & Grounds	1476	1	1	Grounds Open Area	Strip/T8 Fluorescent/28.0W/4 Lamp - Electronic/8 ft/Industrial/4 ft/Ceiling/120V/4100K	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	4	4	10	85	42	42	0	4,860	4,860	-	-	836	-	836	0.2	NC	-
Buildings & Grounds	1477	1	1	Grounds Open Area	Strip/T8 Fluorescent/28.0W/1 Lamp - Electronic/4 ft/Ceiling	Relamp, reballast to ONE low wattage 4' LED tube, new LBF, electronic ballast	2	2	10	25	11	11	0	4,860	4,860	-	-	141	-	141	0.0	NC	-
Buildings & Grounds	1478	1	1	Grounds Open Area	Flood Light/High Pressure Sodium/100.0W/1 Lamp - Magnetic/Yoke	5,000 Lumen LED Exterior Flood Fixture	2	2	10	120	42	42	0	4,860	4,860	-	-	758	-	758	0.2	Cap	-
Buildings & Grounds	1479	2	1	Maintenance Open Area	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/4 ft/Industrial/Ceiling/120V	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	8	8	10	42	21	21	0	4,860	4,860	-	-	816	-	816	0.2	NC	-
Buildings & Grounds	1480	2	1	Maintenance Open Area	Strip/T8 Fluorescent/28.0W/2 Lamp - Electronic/8 ft/Strip/4 ft/Ceiling	Relamp, reballast to TWO low wattage 4' LED tubes, new LBF, electronic ballast	16	16	10	42	21	21	0	4,860	4,860	-	-	1,633	-	1,633	0.3	NC	-
Buildings & Grounds	1481	3	1	Maintenance Office	Troffer/Light Emiting Diode/34.0W/1 Lamp - 4x ft/Volumetric/Recessed	No Retrofit	2	2	7	34	34	34	0	2,580	2,580	-	-	-	-	-	-	NC	-
Buildings & Grounds	1482	4	1	Maintenance Closet	NO LIGHT	No Retrofit	0	0	8	0	0	0	0	1,043	1,043	-	-	-	-	-	-	NC	-
Buildings & Grounds	1483	5	1	Maintenance Bathroom	Troffer/Light Emiting Diode/34.0W/1 Lamp - 4x ft/Volumetric/Recessed	No Retrofit	1	1	8	34	34	34	0	4,160	4,160	-	-	-	-	-	-	NC	-
Buildings & Grounds	1484	6	1	Bus Parking Open Area	Strip/T8 Fluorescent/28.0W/4 Lamp - Electronic/8 ft/Industrial/4 ft/Ceiling/120V/4100K	Relamp, reballast to FOUR low wattage 4' LED tubes, new LBF, electronic ballast	14	14	10	85	42	42	0	4,860	4,860	-	-	2,926	-	2,926	0.6	NC	-
Buildings & Grounds	1485	7	1	Bus Office	Troffer/Light Emiting Diode/34.0W/1 Lamp - 4x ft/Volumetric/Recessed	No Retrofit	2	2	7	34	34	34	0	2,580	2,580	-	-	-	-	-	-	NC	-
Buildings & Grounds	1486	8	2	Upstairs Open Area	Troffer/Light Emiting Diode/34.0W/1 Lamp - 4x ft/Volumetric/Recessed	No Retrofit	13	13	8	34	34	34	0	4,860	4,860	-	-	-	-	-	-	NC	-
Buildings & Grounds	1487	9	2	Upstairs Storage	Wrap/Light Emiting Diode/34.0W/1 Lamp - 4x ft/Volumetric/Surface	No Retrofit	4	4	8	34	34	34	0	1,043	1,043	-	-	-	-	-	-	NC	-
Buildings & Grounds	1488	10	2	Upstairs Office	Troffer/CFL TT5/17.0W/2 Lamp - Electronic/2x2 ft/Prismatic/T5 Twin Tube/Recessed	2x2 LED Kit with Adaptable Controls	4	4	8	35	22	15	7	2,580	516	774	1,290	134	175	309	0.1	Cap	B
Buildings & Grounds	1489	11	2	Stairs	Downlight/CFL Screw In/23.0W/1 Lamp - keyless	9W A19 E26 120V Dimmable, Enclosed	1	1	8	25	9	9	0	4,860	4,860	-	-	78	-	78	0.0	NC	-

Facility	Buildings & Grounds
Location	200 Snedecor Avenue, Bayport, NY 11705
Utility	PSEG LI

Bayport-Blue Point Rev-I 2-21-2022

								20	20										14,051	-	14,051	-	
						t o o		Fixture	ty		Fixture Watts				timated Hours for Energy Savin				SAVINGS				
l a	Line #	Map ID	Flr	Description	Existing Fixture	Proposed Fixture	E	P	Ht	E	P	High Mode Watts	Low Mode Watts	E Hrs	Hours High	Hours Low	Hours Off	kWh Savings from Retrofit	kWh Savings from Controls	Total kWh Saved	Total kW Saved	Cap/NC	Sensor ey
Buildings & Grounds	1490	1	E	Above Bus Parking Door (1)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1491	2	E	Above Bus Parking Door (2)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1492	3	E	Above Bus Parking Door (3)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1493	4	E	Above Maintenance Door (4)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1494	5	E	Above Ground Storage Door (5)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	18	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1495	6	E	Above Ground Storage Door (6)	Wallpack/Metal halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall/Shingles	54W LED HID Ballast By-pass Screw-in	1	1	18	215	54	54	0	4,380	4,380	-	-	705	-	705	-	NC	-
Buildings & Grounds	1496	7	E	Side of Garage Storage (7)	Wallpack/Metal halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall/Shingles	54W LED HID Ballast By-pass Screw-in	1	1	8	215	54	54	0	4,380	4,380	-	-	705	-	705	-	NC	-
Buildings & Grounds	1497	8	E	Side of Garage Storage (8)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	18	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1498	9	E	Back of Maintenance Area (9)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1499	10	E	Back of Maintenance Area (10)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	12	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1500	11	E	Second floor of Garage Storage (11)	Wallpack/Metal halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall/Shingles	54W LED HID Ballast By-pass Screw-in	1	1	18	215	54	54	0	4,380	4,380	-	-	705	-	705	-	NC	-
Buildings & Grounds	1501	12	E	Back of Maintenance Area (12)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1502	13	E	Back of Bus Parking (13)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1503	14	E	Back of Bus Parking (14)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1504	15	E	Side of Bus Parking (15)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1505	16	E	Side of Bus Parking (16)	Wallpack/Metal Halide/175.0W/1 Lamp - Magnetic/Mogul (E39)/Wall	45W Full Cutoff Wall Pack	1	1	10	215	40	40	0	4,380	4,380	-	-	767	-	767	-	Cap	-
Buildings & Grounds	1506	17	E	Eaves of Garage Storage (17)	Downlight/Halogen /75.0W/2 Lamp - PAR38/Knuckle/Exterior	Disconnect	1	1	18	150	0	0	0	4,380	4,380	-	-	657	-	657	-	NC	-
Buildings & Grounds	1507	18	E	Eaves of Garage Storage (18)	Downlight/Halogen /75.0W/2 Lamp - PAR38/Knuckle/Exterior	Disconnect	1	1	18	150	0	0	0	4,380	4,380	-	-	657	-	657	-	NC	-
Buildings & Grounds	1508	19	E	Eaves of Garage Storage (19)	Downlight/Halogen /75.0W/1 Lamp - PAR38/Knuckle/Exterior	Disconnect	1	1	18	75	0	0	0	4,380	4,380	-	-	329	-	329	-	NC	-
Buildings & Grounds	1509	20	E	Eaves of Garage Storage (20)	Downlight/Halogen /75.0W/1 Lamp - PAR38/Knuckle/Exterior	Disconnect	1	1	18	75	0	0	0	4,380	4,380	-	-	329	-	329	-	NC	-

New Attachment 8 - Detailed Energy Audit dated December 2022

Detailed Energy Audit

Bayport ï Blue Point Union Free School District
Bayport, NY

December 2022

Johnson Controls

TABLE OF CONTENTS

SECTION 1 Executive Summary

Johnson Controls, Inc. (hereinafter ñJCIò) is assisting Bayport ï Blue Point Union Free School District (hereinafter ñDistrictò) in Bayport, New York to reduce energy costs by implementing an energy performance contract. The goals of the project are to cut energy costs, provide capital upgrades, increase energy efficiency and the reliability of Districtôs mechanical and electrical systems and to maintain or increase occupant comfort and well-being. This report provides the results of the Detailed Energy Audit (ñDEAò), which is a part of the overall performance contract.

JCI wishes to thank the staff at the District for their invaluable assistance and generous time spent with the JCI team during this study effort. Without their help and guidance, data collection and system understanding would have been significantly more difficult. The fact that there are staff members who have been with the District for many years, and who know the systems quite intimately is a huge asset both to the District as well as to a contractor such as JCI.

Table 1 below provides an overall economic summary of the recommended measures. A detailed list of the measures is shown in Table 2. Note that the project cost does not include any utility incentives. Notwithstanding the foregoing, JCI guarantees the energy rebates as set forth in detail in the energy performance contract.

In the event that the scope of work identified herein and/or the provisions contained herein conflict with the energy performance contract, the most favorable terms/scope to the District shall apply, as determined solely by the District.

Table 1: Project Summary

Several Energy Conservation Measures (ECMs) were identified as a result of the DEA conducted at the District. The following table summarizes the various measures to be installed to achieve energy savings.

ECM #	Measure	Cost	Savings	Payback
ECM 1	Lighting - Interior Lighting	$1,432,571	$137,374	10.4
ECM 2	Lighting - Exterior Lighting	$66,719	$8,179	8.2
ECM 3.1	Energy Management System - Temperature Setback	$257,933	$16,079	16.0
ECM 3.2	Energy Management System - Demand Controlled Ventilation	$81,657	$3,270	25.0
ECM 3.3	Energy Management System - Optimal Start	$29,163	$12,084	2.4
ECM 4	Heating Distribution System - Pipe and Valve Insulation	$58,067	$10,000	5.8
ECM 5	Boiler - Replacements	$454,947	$4,070	111.8
ECM 6	Windows & Doors - Replacements	$854,923	$3,702	230.9
ECM 7	Motors - Replacements	$25,340	$1,584	16.0
ECM 8	Renewable Energy- Photovoltaic Electric Generation	$5,614,794	$316,326	17.8
ECM 9	Plug Load Controllers	$17,109	$1,807	9.5
ECM 10	Unit Ventilators - Refurbishment	$48,268	$1,406	34.3
ECM 11	Air Conditioning Compressor Controllers	$38,664	$3,510	11.0
ECM 12	Refrigeration Compressor Controllers	$5,185	$510	10.2
	O&M Savings		$48,151	
	Arch./Engineering Fees	$448,740		
	Project Mgmt., SED Submission, Energy Engineering & GC	$986,649		
	Totals	**$10,420,729**	**$568,053**	
	Rebates	$251,000		
	Simple Payback (Years)	**17.9**		

Recommendations

The following table lists the measures to be implemented at the District.

Table 2: Proposed Measures

ECM #	Measure	Bayport-Blue Point High School	James Wilson Young Middle School	Academy Street Elementary School	Blue Point Elementary School	Sylvan Avenue Elementary School	Maintenance
ECM 1	Lighting - Interior Lighting	x	x	x	x	x	x
ECM 2	Lighting - Exterior Lighting	x	x	x	x	x	x
ECM 3.1	Energy Management System - Temperature Setback	x	x	x	x	x	
ECM 3.2	Energy Management System - Demand Controlled Ventilation	x	x				
ECM 3.3	Energy Management System - Optimal Start	x	x	x	x	x	
ECM 4	Heating Distribution System - Pipe and Valve Insulation	x	x	x	x	x	
ECM 5	Boiler - Replacements			x			
ECM 6	Window / Door - Replacements		x		x		
ECM 7	Motors - Replacements	x	x		x	x	
ECM 8	Renewable Energy- Photovoltaic Electric Generation	x	x	x		x	
ECM 9	Plug Load Controllers	x	x	x	x	x	
ECM 10	Unit Ventilators - Refurbishment		x				
ECM 11	Air Conditioning Compressor Controllers	x	x	x	x		
ECM 12	Refrigeration Compressor Controllers	x				x	

SECTION 2 Energy Conservation Measures (ECMs)

On the following pages, we have described several ECMs deemed as viable energy conservation opportunities for the District that are included in and subject to the requirements set forth in the energy performance contract. The recommended ECMs were selected from a long list of possible improvements and were based on gaining the greatest benefit for the money spent. Based on the information gathered during the DEA and JCIôs extensive experience with K-12 facilities throughout New York State, the measures identified represent a significant reduction to base year utility for the District.

Listed below are assumptions that are common to all ECMs:

- Savings for all measures are interacted with each other. The proposed conditions from one measure may be the existing condition for another.
- All savings are calculated using the present electricity rates.
- Unit operating conditions (air flow, kW, temperatures) were determined with field measurements whenever possible.
- The retrofits will occur in the existing building areas only. Any future building additions or renovations are not included at this point.
- All new systems will be designed and constructed according to applicable codes and standards.
- Prevailing wages are included.

ECM 1 Lighting – Interior Lighting

Executive Summary

All locations were surveyed for the application of this measure. Lighting energy efficiency upgrades provide a substantial energy benefit and quality of light improvement in most facilities.

State-of-the-art LED lighting technology is now cost-effective, efficient and recommended for all light fixtures in the School District. LED technology also allows efficient dimming which drives additional savings and extends the life of the LED investment.

Facility owners realize significant operating utility savings, reduced maintenance costs, and improved overall lighting systems performance, visual comfort and acuity. In addition to saving energy and reducing costs, the lighting upgrades will:

- Improve lighting quality through designs that meet or exceed current Illuminating Engineering Society (IES) recommendations while addressing specific illumination requirements for task/area functions. The scope will provide a quality of light superior to what is currently installed.
- Be economically viable and meet customer financial requirements.
- Improve lighting inventory standardization for long-term maintenance improvements.
- Be environmentally sustainable via reduced greenhouse gas emissions and eliminate hazardous materials such as mercury in linear fluorescent and compact fluorescent lamps.

Johnson Controls has developed the efficiency and technology improvement solutions through conducting site audits in cooperation with site personnel providing valuable support and insights for the project, including a description of which buildings should be excluded from the audits, identification of current lighting deficiencies and initiatives, ongoing energy efficiency initiatives, building access and escort requirements, utility data, operating schedules, and other priorities.

In an effort to reduce electricity consumption, we are proposing to retrofit the existing lighting system with newer energy efficient technology. The lighting retrofit design incorporates the replacement of lamps as well as the replacement of light fixtures in the gyms. New fixtures may also be designed into areas where greater fixture efficiency is required to properly illuminate a space.

The overall lighting project is designed to meet or exceed current Illuminating Engineering Society (IES) recommendations while addressing specific illumination requirements for task/area functions. The scope will provide a quality of light superior to what is currently installed.

LED Lighting systems exhibit the following characteristics:

- Extremely Long Life ï up to 50000+ hours.
- Highly efficient with very low wattage consumption.
- Solid-state lighting technology ensures that the fixtures are highly durable.

Existing System

Johnson Controls has performed a detailed room-by-room survey of existing lighting systems at five (5) buildings within the District. Existing lighting is primarily T-8 lamps with normal ballast factor standard electronic ballasts. There are some T-5 fixtures installed throughout the District.

Bayport-Blue Point High School

The majority of the fixtures in the building are T-8 and T-5 fixtures with electronic ballasts. Some locations are good candidates for fixture modification to reduce the number of lamps while still maintaining proper light levels. The fixtures are operated with tandem wall switches and occupancy sensors. The gymnasiums are equipped with fixtures that can be retrofit to more efficient LED applications. All of the exit signs within the building will be retrofitted with new LED fixtures.

James Wilson Young Middle School

The majority of the fixtures in the building are T-8 and T-5 fixtures with electronic ballasts. The fixtures are operated with tandem wall switches and occupancy sensors. Some locations are good candidates for fixture modification to reduce the number of lamps while still maintaining proper light levels. The gymnasiums are equipped with fixtures that can be retrofit to more efficient LED applications. All of the exit signs within the building will be retrofitted with new LED fixtures.

Academy Street Elementary School

The majority of the fixtures in the building are T-8 and T-5 fixtures with electronic ballasts. The fixtures are operated with tandem wall switches and occupancy sensors. Some locations are good candidates for fixture modification to reduce the number of lamps while still maintaining proper light levels. The gymnasiums are equipped with fixtures that can be retrofit to more efficient LED applications. All of the exit signs within the building will be retrofitted with new LED fixtures.

Blue Point Elementary School

The majority of the fixtures in the building are T-8 and T-5 fixtures with electronic ballasts. Some locations are good candidates for fixture modification to reduce the number of lamps while still maintaining proper light levels. The fixtures are operated with tandem wall switches and occupancy sensors. The gymnasiums are equipped with fixtures that can be retrofit to more efficient LED applications. All of the exit signs within the building will be retrofitted with new LED fixtures.

Sylvan Avenue Elementary School

The majority of the fixtures in the building are T-8 and T-5 fixtures with electronic ballasts. Some locations are good candidates for fixture modification to reduce the number of lamps while still maintaining proper light levels. The fixtures are operated with tandem wall switches and occupancy sensors. The gymnasiums are equipped with fixtures that can be retrofit to more efficient LED applications. All of the exit signs within the building will be retrofitted with new LED fixtures.

New System

Johnson Controls has identified opportunities for energy savings through the installation of new high efficiency lighting and automatic lighting controls. Refer to the line by line for the listing of fixtures being retrofitted / replaced.

In an effort to reduce electricity consumption, JCI will retrofit the existing lighting system with newer energy efficient technology. The primary retrofit on this project is a re-lamp of the existing T8 and T5 lamps with new T8 and T5 LED tubes.

The primary upgrade and energy savings strategies consist of the following categories.

- Older technology (32-watt) T8 lamps and U-Tube T8 lamps will be eliminated and new LED technology will be installed in its place. Recessed fixtures will be replaced with new LED lamps.
- Incandescent and compact fluorescent lamps (short life & less efficient) will be replaced with new long life and highly efficient LED lamps.
- Existing gymnasium fixtures will be replaced with new LED High Bay fixtures with integrated motion/daylight sensors programmable via remote control.
- Existing non-LED exit signs will be replaced with new LED exit signs with battery backup.

By retrofitting the existing lamps ballasts and fixtures Johnson Controls guarantees that the District will be able to:

- Lower energy costs
- Reduce demand or load
- Reduce maintenance requirements or costs
- Increase equipment reliability
- Decrease heat load by installing more energy efficient technology

Energy Savings Methodology

Energy savings calculations are based upon hours of operation for each area surveyed. These hours are determined through a combination of information obtained from the personnel during the survey as well as commonly accepted industry standards. Ballast wattages presented within the energy savings analysis are based upon the manufacturersôreported technical data.

Johnson Controls uses the following approach to determine savings for this specific measure:

Existing kW	= Existing Fixture wattage/1000 watts per kW
Cost per kWh	= Average Site $/kWh
Cost of Existing Lighting	= Existing kW x Cost per kWh x Hours of Operation
Proposed kW	= Proposed Fixture wattage/1000 watts per kW
Cost per kWh	= Average Site $/kWh
Cost of Proposed Lighting	= Proposed kW x Cost per kWh x Hours of Operation
Energy Savings $	= Cost of Existing Lighting – Cost of Proposed Lighting

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections, subject to the written approval of Customer and its Architect/Engineer.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Coordination of the electrical tie in will be required. Work shall be performed with no interruptions to Customerôs operations.

ECM 2 Lighting - Exterior Lighting

Executive Summary

All locations were surveyed for the application of this measure. Exterior lighting energy efficiency upgrades provide a substantial energy benefit and quality of light improvement in most facilities. Facility owners realize significant operating utility savings, reduced maintenance costs, and improved overall lighting systems performance.

Johnson Controls Lighting Services has developed the efficiency and technology improvement solutions through conducting site audits in cooperation with site personnel providing valuable support and insights for the project. This includes a description of which buildings should be excluded from the audits, identification of current lighting deficiencies and initiatives, ongoing energy efficiency initiatives, building access and escort requirements, utility data, operating schedules, and other priorities.

To reduce electricity consumption, JCI shall retrofit the existing lighting systems with newer technology energy efficient lamps and light fixtures. The lighting retrofit design incorporates the replacement of lamps and ballasts as well as the replacement of light fixtures when the fixtures are in poor condition. New fixtures may also be designed into areas where greater fixture efficiency is required to properly illuminate a space. Every effort has been made to standardize the installed components to reduce operational and maintenance costs over the life of the installed system.

Energy savings calculations are based upon hours of operation as set forth in the energy performance contract.

The overall lighting project is designed to meet or exceed current Illuminating Engineering Society (IES) recommendations while addressing specific illumination requirements for task/area functions. Furthermore, the scope will provide a quality of light superior to what is currently installed.

Existing System

Johnson Controls has performed a detailed survey of existing exterior lighting systems at the five (5) buildings within the District. The exterior lighting is primarily wall packs, flood lights, shoebox, canopy and pole-mounted fixtures currently using outdated high wattage metal halide (MH) and high-pressure sodium (HPS) lamps. These will be replaced with high efficiency - low watt LED fixtures with advanced specular properties that deliver quality light, while also limiting light pollution.

New System

Johnson Controls will furnish and install energy efficient LED lighting in specified areas in the facilities listed in line by line Lighting Survey either by retrofitting the existing fixture with new lamps and ballasts or by replacing with new lighting fixtures. Please refer to the detailed lighting survey for the retrofit type and locations.

The exterior lighting comprises mainly HID technology (wall or pole mounted) and some compact fluorescents. Johnson Controls will replace these fixtures with new LED fixtures that will produce a crisper whiter light that will enhance pedestrian visibility and safety. In addition, photocell sensors will be added to most of these fixtures to turn off lights automatically during day-lit periods.

Energy Savings Methodology

Energy savings calculations are based upon hours of operation for each area surveyed. Ballast wattages presented within the energy savings analysis are based upon the manufacturersô reported technical data.

Johnson Controls uses the following approach to determine savings for this specific measure:

Existing kW	= Existing Fixture wattage/1000 watts per kW
Cost per kWh	= Average Site $/kWh
Cost of Existing Lighting	= Existing kW x Cost per kWh x Hours of Operation
Proposed kW	= Proposed Fixture wattage/1000 watts per kW
Cost per kWh	= Average Site $/kWh
Cost of Proposed Lighting	= Proposed kW x Cost per kWh x Hours of Operation
Energy Savings $	= Cost of Existing Lighting ï Cost of Proposed Lighting

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections, subject to the written approval of the Customer and its Architect/Engineer.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

New fixtures and energy efficient lamps, ballasts and fixtures will be supplied and installed in the existing fixtures as identified in the lighting audit. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Coordination of the electrical tie-in will be required. Work shall be performed with no interruptions to Customerôs operations.

ECM 3 Energy Management System

ECM 3.1 Energy Management System - Temperature Setback

Executive Summary

All locations were surveyed for the application of this measure. This measure will install improved building controls to provide reliable occupancy and temperature control as well as improved operator interface allowing for greater ease of system operation.

Existing System

Bayport-Blue Point High School

The HVAC equipment installed is controlled by the electro-pneumatic Paragon control system.

Table 1 lists the six (6) zones of control.

Zone	Service
Zone 1	Office Area C
Zone 2	Cafeteria Area C
Zone 3	Classrooms Area C
Zone 4	North/South Area D
Zone 5	Gymnasium Area E
Zone 6	Administration Area F

Table 1

The unit ventilators installed in the classrooms in the 100, 200 and 300 sections are pneumatically controlled. The exhaust fans are tied into the building management system.

James Wilson Young Middle School

The HVAC equipment installed is controlled by the electro-pneumatic Paragon control system.

Table 2 lists the six (6) zones of control.

Zone	Service
Zone 1	Administration
Zone 2	Auditorium
Zone 3	Cafeteria
Zone 4	Gymnasium & Locker Rooms
Zone 5	Library
Zone 6	Classrooms

Table 2

The exhaust fans are not tied into the building management system.

Academy Street Elementary School

The HVAC equipment installed is controlled by the electro-pneumatic Johnson Controls Facilitator control system, with a head-end computer located in the custodianôs office.

Table 3 lists the five (5) zones of control.

Zone	Service
Zone 1	South Classrooms
Zone 2	North Classrooms
Zone 3	Gym & Faculty Room
Zone 4	Administration
Zone 5	Cafeteria

Table 3

The exhaust fans are not tied into the building management system.

Blue Point Elementary School

The HVAC equipment installed is controlled by the electro-pneumatic control system. Table 4 lists the five (5) zones of control.

Zone	Service
Zone 1	300 Wing
Zone 2	Library
Zone 3	Gym
Zone 4	Classrooms
Zone 5	Cafeteria

Table 4

The exhaust fans are not tied into the building management system. The unit ventilators installed in the modular section of the building have self-contained thermostats and are not tied into the building management system.

Sylvan Avenue Elementary School

The HVAC equipment installed is controlled by the electro-pneumatic control system. Table 5 lists the five (4) zones of control.

Zone	Service
Zone 1	Classrooms
Zone 2	Administration
Zone 3	Gymnasium
Zone 4	Multi-Purpose Room & Kitchen

Table 5

The exhaust fans are not tied into the building management system. The unit ventilators on the first floor have been replaced and are digitally controlled.

The building setpoint set-point temperatures are listed in the table below:

Building	Summer Inside Setpoint (F)			
	Existing Occupied	Existing Unoccupied	Proposed Occupied	Proposed Unoccupied
Bayport-Blue Point High School	70	74	72	78
James Wilson Young Middle School	70	74	72	78
Academy Street Elementary School	70	74	72	78
Blue Point Elementary School	70	74	72	78
Sylvan Avenue Elementary School	70	74	72	78

Building	Winter Inside Setpoint (F)			
	Existing Occupied	Existing Unoccupied	Proposed Occupied	Proposed Unoccupied
Bayport-Blue Point High School	72	68	70	60
James Wilson Young Middle School	72	68	70	60
Academy Street Elementary School	72	68	70	60
Blue Point Elementary School	72	68	70	60
Sylvan Avenue Elementary School	72	68	70	60

New System

- Convert or migrate pneumatics listed below to DDC Control, including electronic end-devices.
- This includes the following points and sequences:
  - Economizer control, including outdoor air enthalpy change-over on cooling equipment
  - Heating
  - Cooling
  - Discharge control
  - Freeze protection
  - Local or remote set point control
  - Warm-up/Cool-down
- Note that units converted to fully electronic type (new end devices) will no longer require a compressed air supply.

Building	Unit Ventilators	Pneumatic T-Stat
High School	24	24
Total	**24**	**24**

Building	Location
High School	Room 101
High School	Room 103
High School	Room 105
High School	Room 107
High School	Room 109
High School	Room 121
High School	Room 108
High School	Room 112
High School	Room 219
High School	Room 217
High School	Room 215
High School	Room 213
High School	Room 209
High School	Room 207
High School	Room 205
High School	Room 203
High School	Room 201
High School	Room 204
High School	Room 206
High School	Room 208
High School	Room 210
High School	Room 320
High School	Room 328
High School	Room 308

Pneumatic Repair and Refurbishment

Pneumatic repair & refurbishment includes:

- Provide complete repair and refurbishment of existing pneumatic controls.
- Verify piping and sequence of operations conforms to meet savings requirements
- Stroke all end devices; confirm full range of operation, tight seal-off and reliability. Repair or replace deficient control components. Free up, lubricate and adjust linkages of economizer dampers as necessary to achieve full range and reliable operations.
- Verify operation of all control devices including EP relays, switching valves, PE switches, receiver-controllers, thermostats, and specialty relays. Calibrate; replace devices which prove defective or unreliable.
- Inspect valve disks and seats, refurbish or replace device as necessary to achieve as-new performance.
- Inspect system for field leaks, repair.
- Prove operation of night setback controls.
- Replace indicating gauges at central stations and control panels.
- Replace compressors, as needed.

The following tables show locations where pneumatic repair and refurbishment will be performed:

Building	Unit Ventilators	Pneumatic T-Stat
Middle School	38	38
Sylvan Ave Elementary	14	14
Total	52	52

Building	Location
Middle School	Room 209
Middle School	Room 211
Middle School	Room 213
Middle School	Room 215
Middle School	Room 217
Middle School	Room 219
Middle School	Room 210
Middle School	Room 212
Middle School	Room 214
Middle School	Room 216
Middle School	Room 218

Building	Location
Middle School	Room 220
Middle School	Room 260
Middle School	Room 258
Middle School	Room 256
Middle School	Room 254
Middle School	Room 252
Middle School	Room 250
Middle School	Room 259
Middle School	Room 257
Middle School	Room 255
Middle School	Room 253
Middle School	Room 251
Middle School	Room 249
Middle School	Room 118
Middle School	Room 122
Middle School	Room 124
Middle School	Room 148
Middle School	Room 146
Middle School	Room 144
Middle School	Room 142
Middle School	Room 140
Middle School	Room 138
Middle School	Room 145
Middle School	Room 143
Middle School	Room 141
Middle School	Room 229
Middle School	Room 231
Sylvan Avenue	201
Sylvan Avenue	202
Sylvan Avenue	203
Sylvan Avenue	204

Building	Location
Sylvan Avenue	205
Sylvan Avenue	206
Sylvan Avenue	207
Sylvan Avenue	208
Sylvan Avenue	209
Sylvan Avenue	210
Sylvan Avenue	211
Sylvan Avenue	212
Sylvan Avenue	213
Sylvan Avenue	214

Micro-Tech / Stand Alone Unit Ventilators Tied into EMS

The following tables show locations where Micro-tech / stand-alone units will tied into EMS:

Building	Unit Ventilators	T-Stats
Academy Street Elementary School	14	14
Blue Point Elementary	8	8
Total	22	22

Building	Location
Academy Street	Room 21
Academy Street	Room 22
Academy Street	Room 24
Academy Street	Room 26
Academy Street	Room 23
Academy Street	Room 25
Academy Street	Room 27
Academy Street	Room 29
Academy Street	Room 31
Academy Street	Room 33

Building	Location
Academy Street	Room 28
Academy Street	Room 30
Academy Street	Room 32
Academy Street	Room 34
Blue Point ES	Library
Blue Point ES	Library
Blue Point ES	Room 301
Blue Point ES	Room 302
Blue Point ES	Room 303
Blue Point ES	Room 304
Blue Point ES	Room 305
Blue Point ES	Room 306

Damper Refurbishment and Electronic Actuators

On the units listed below, Johnson Controls will perform damper refurbishment and install new electronic actuators.

Building	Location	Area Served	Fuel / Energy	Equipment
Bayport - Blue Point High School	Mechanical Room	Gymnasium	Electric/HW	HV
Bayport - Blue Point High School	Mechanical Room	Gymnasium	Electric/HW	HV
James Wilson Young Middle School	Fan Room	Boy's Gymnasium	Electric/HW	AHU-1
James Wilson Young Middle School	Fan Room	Girl's Gymnasium	Electric/HW	AHU-2

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Envelope Load Btu/Hr	= (UA x (× (OAT-Occupied Setpoint)
Infiltration Load Btu/Hr	= (1.08 x Infiltration CFM x (× (OAT-Occupied Setpoint)

Where:	
UA	= 1/R-Value of Wall x Wall Area + 1/R-Value of Roof x Roof Area
Infiltration CFM	= Building Area x 10 Feet Average Height x Building Air Changes Per Hour/60
Warm-Up Hours	= Hours Before Occupancy Unit Ventilators Turned to Occupied Mode
Heating MMBtu Savings	= (Baseline MMBtu - Proposed MMBtu) / Heating System Efficiency

Equipment Information

Manufacturer and Type	The Customer and Johnson Controls will determine the final selection.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

New controls will be installed at the locations that will allow operators to efficiently operate the building. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

No utility interruptions are required for this measure. Work shall be performed with no interruptions to Customerôs operations.

ECM 3.2 Energy Management System - Demand Controlled Ventilation

Executive Summary

All locations were surveyed for the application of this measure. Johnson Controls will install CO_2 sensors that will control the ventilation rates to reduce outside air during periods of low or no occupancy. This measure accurately measures the amount of CO_2 that is present and can assist in improving indoor air quality.

Existing System

The High School and Middle School supply outside air into the spaces noted during un-occupied periods, the supply fans are not cycled off by the existing energy management system and the outside air dampers supply air into the space regardless of occupancy requirements. Since the existing supply fans are designed to handle maximum load, during periods of less than maximum occupancy load, excessive outside air is introduced and heated/cooled unnecessarily.

New System

Demand Control Ventilation

On the units listed below, demand control ventilation strategies will be employed.

Building	Location	Area Served	Fuel / Energy	Equipment
Bayport - Blue Point High School	Roof	Auditorium	Electric/Gas	RTU ï 3
Bayport - Blue Point High School	Roof	Auditorium	Electric/Gas	RTU ï 4
Bayport - Blue Point High School	Roof	Gymnasium	Electric/Gas	HV-1
Bayport - Blue Point High School	Roof	Gymnasium	Electric/Gas	HV-2
James Wilson Young Middle School	Roof	Aux. Gymnasium	Electric/Gas	AHU

For the systems in this section, new auto-calibrating CO_2 sensors will be installed to measure the concentration of CO_2 and vary the amount of outside air that is drawn into the space by modulating the outdoor and exhaust air dampers. New damper controls will be installed to interface with the existing control system. The sensors will be able to provide the building owner with a trend to show concentrations over time.

New controls will be installed to measure the concentration of CO_2 and vary the amount of outside air that is drawn into the space by modulating the outdoor and exhaust air dampers. New dampers controls will be installed to interface with the existing control system. The sensors will be able to provide the building owner with a trend to show concentrations over time.

Johnson Controls shall install CO_2 controls on the previously listed air handlers to reduce outside air during periods of low or no use. These controls will be installed on the return airside of the plenum before the outside air mixing section of the air handlers. As the CO_2 upper set point limit is approached, the sensor will indicate via the energy management system to modulate the outside air damper to maintain minimum CO_2 levels.

CO_2 monitoring and control is considered an important part of green building design. It is one of the criteria that can now be used to meet the LEEDÊ (Leadership in Energy and Environmental Design) criteria for green building design.

At each location the following will be installed:

- Install new zone CO_2 transmitters to monitor CO_2 levels to provide an indication of occupancy in the space return air acceptable to the engineer for use in demand-controlled ventilation.
- Install new outside air duct mounted CO_2 transmitter to monitor outdoor CO_2 levels.
- Wire CO_2 transmitters to the existing DDC panel for the Air Handling Unit.
- Provide programming as required to reset the minimum outside air damper position based on the CO_2 levels in the space.
- Installation of cabling between CO_2 sensor and unit controls.
- Reconfiguration of unit controls to be incorporated CO_2 ventilation routines.
- Integration of CO_2 controls into BMS, permitting full monitoring and adjustment capabilities.
- Alarming and trending as specified and as deemed necessary by the Customer and/or the Customerõs Architect/Engineer.

Sequence of Operations

Pre-Occupancy Purge:

Thirty minutes prior to the scheduled occupancy time of the air handling unit, the unit will be indexed into a pre-occupancy cycle. This cycle shall consist of the air handling unit running for 30 minutes. Once the fan is proven running, the outdoor air damper will open to 100% open. The heating valve will be under controls of the low limit discharge sensor, maintaining at least 60 degrees F.

Post-Occupancy Purge:

When the unit goes into unoccupied mode, as dictated by the occupancy schedule in the FX-40 front-end, the unit will run in a post-occupancy flush cycle, with the running and outdoor air damper open to 100%, until the space CO_2 level reaches the same CO_2 level as that of the outdoor air. When this is accomplished, the unit will shut down. The fan will be off, and the dampers closed.

Damper Control:

The economizer dampers will be controlled to provide Carbon Dioxide based Demand Controlled Ventilation. Once the fan has been proven running, the dampers will move to their minimum position. When the space CO_2 level approaches a level that is 100 ppm higher than the outdoor air CO_2 level, the dampers will begin modulating open further. When the space CO_2 level reaches an Upper CO_2 limit above that of the outdoor air or 1000 ppm, the dampers will be fully open. The dampers will be allowed to modulate open beyond that required for demand-controlled ventilation if free cooling is available, and required, to maintain the space setpoint.

Occupied Cycle:

The supply fan shall run continuously. Whenever the space temperature is below the occupied space set point, the heating valve will be fully open and the outside air damper will modulate to maintain the CO_2 setpoint (See Damper Control Sequence). As the space temperature reaches set point, the heating valve shall modulate closed. Upon further rise in space temperature, the outside air damper shall modulate open. The UNITôs discharge low limit program will maintain a minimum discharge temperature of 60 degrees (adjustable) by closing the outdoor air damper and opening the heating valve, in sequence. When the space temperature exceeds the space setpoint, the dampers will modulate open to maintain the space setpoint.

Unoccupied Cycle:

The UNIT controller will cycle the supply fan as needed to maintain an unoccupied set point of 60 degrees (adjustable). The outside air damper will be fully closed.

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Total Savings	= Air handling motor savings + Heating savings
Air Handling Motor Savings kWh	kWh reduced = [(Fan kW) x (Reduced Air Flow/Original Air Flow)^2] x EFLH Where EFLH = Effective Full Load Horus
Heating Savings BTUs	Btu = cfm reduced x (supply temp ï outside bin temp) x 1.08 x hours

Equipment Information

Manufacturer and Type	The Customer and Johnson Controls will determine the final selection.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

New controls will be installed to improve energy use characteristics of the building and provide indoor air analysis. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

No utility interruptions are required for this measure. Work shall be performed with no interruptions to the Customerôs operations.

ECM 3.3 Energy Management System – Optimal Start

Executive Summary

All locations were surveyed for the application of this measure. When the spaces switch from unoccupied to occupied, the heating and cooling equipment must go through a warm-up or cool-down period. The optimal start feature recognizes both the outdoor condition and the space temperature and delays the starting of the equipment in the warm-up or cool-down mode as long as possible while still achieving occupied temperature conditions at the desired time.

Existing System

When a building is expected to be unoccupied, the system is shut off and the temperature allowed to drift away from the occupied set point. The time at which the system is to restart typically is set to ensure that the indoor temperature reaches the desired occupied set point prior to occupancy on either the coldest or warmest morning of the year. As a result, for most days, the system starts much earlier than needed. In turn, this increases the number of operating hours and system energy use.

New System

Johnson Controls will install programming for main school boilers as shown in ECM Matrix to achieve optimal start / warm-up cycle.

This strategy utilizes an Energy Management System (EMS) to determine the length of time required to bring each zone from its current temperature to the occupied set-point temperature. The system waits as long as possible before starting, so the temperature in each zone can reach the occupied set point just in time for occupancy.

This optimal starting time is determined using the difference between the actual zone temperature and occupied set point. It compares this difference with the historical performance of the zone warming up or cooling down.

The optimal-start strategy reduces the number of system operating hours and saves energy by avoiding the need to maintain the indoor temperature at the occupied set point even though the building is unoccupied.

A related strategy is called "optimal stop." As mentioned previously, at the end of an occupied period, the HVAC system is shut off and the temperature allowed to drift away from the occupied set point. It is understood and agreed that the District reserves the right to eliminate Optimal Stop in its sole discretion.

Optimal stop uses an EMS to determine how early heating and cooling can be shut off for each zone so that the indoor temperature drifts only a few degrees from the occupied set point. In this case, only cooling and heating are shut off. The supply fan continues to operate, and the outdoor-air damper remains open to continue ventilating the building.

The optimal-stop strategy also reduces the number of system operating hours, saving energy by allowing indoor temperatures to drift sooner.

The quantity of HVAC equipment to be utilizing Optimal Start and the locations of the same are identified in the Table below:

Building	Boilers	Pumps	Exhaust Fans	AHU	Unit Ventilators
Academy Street Elementary School	2	8	31	8	0
Bayport - Blue Point High School	5	28	23	16	14
Blue Point Elementary School	2	12	0	1	13
James Wilson Young Middle School	2	7	29	6	38
Sylvan Avenue Elementary School	2	8	17	4	35

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Envelope Load Btu/Hr = (UA x (× (OAT-Occupied Setpoint)

Infiltration Load Btu/Hr = (1.08 x Infiltration CFM x (× (OAT-Occupied Setpoint)

Where:

UA = 1/R-Value of Wall x Wall Area + 1/R-Value of Roof x Roof Area

Infiltration CFM = Building Area x 10 Feet Average Height x Building Air Changes Per Hour/60

Warm-Up Hours= Hours Before Occupancy Unit Ventilators Turned to Occupied Mode

Heating MMBtu Savings= (Baseline MMBtu - Proposed MMBtu) / Heating System Efficiency

Changes in Infrastructure

No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

The service to the specific locations may require interruption to allow for the installation. Work shall be performed with no interruptions to Customerâs operations.

ECM 4 Heating Distribution System - Pipe and Valve Insulation

Executive Summary

All locations were surveyed for the application of this measure. The insulation audit was conducted identifying a definite quantity of heat that is lost at a number of locations. These heat losses result from piping and surfaces giving off heat to the space around it. This measure will insulate these surfaces resulting in energy savings and improved comfort of those areas in or near occupied spaces.

Existing System

Some of the energy in the steam or hot water distribution systems at the buildings is wasted through radiant thermal energy loss from a wide range of sources, including piping, valves and tanks. Escaping heat can lead to uncomfortable temperatures in areas adjacent to machine rooms. In addition, with surface temperatures in some cases exceeding 200°F the exposed service piping and fittings represent a safety hazard and wasted energy. During the detailed energy audit a number of valves, fittings, and lengths pipe were identified as not having insulation. There are some pipes and valves on the building heating systems that do not have insulation, either as a result of frequent maintenance or because none ever existed. All of these conditions lead to excessive energy use. Hot water piping, tanks and valves/flanges throughout the District were found to be un-insulated. These pipes, tanks and valves/flanges will be insulated to improve the overall efficiency of the heating system.

The following table lists the items that were found to be uninstalled:

Building	Type of Piping/Tank	Location	Quantity	Pipe Material	Line Size Diam. (in)	Length (ft) or Surface Area (sqft)
High School	Control Valve (HW)	Boiler Room 1	1	Steel	2.5	2.3
High School	Gate Valve (HW)	Boiler Room 1	2	Steel	2.5	2.3
High School	Strainer (HW)	Boiler Room 1	3	Steel	2.5	1.8
High School	Balancing Valve (DHW)	Boiler Room 1	1	Steel	3	2.4
High School	Balancing Valve (HW)	Boiler Room 1	4	Steel	3	2.4

Building	Type of Piping/Tank	Location	Quantity	Pipe Material	Line Size Diam. (in)	Length (ft) or Surface Area (sqft)
High School	Check Valve (HW)	Boiler Room 1	3	Steel	3	2.3
High School	Control Valve (HW)	Boiler Room 1	2	Steel	3	2.4
High School	Elbow (HW)	Boiler Room 1	2	Steel	3	0.5
High School	Gate Valve (DHW)	Boiler Room 1	1	Steel	3	2.4
High School	Gate Valve (HW)	Boiler Room 1	11	Steel	3	2.4
High School	Strainer (Cond.)	Boiler Room 2	1	Steel	3	2.3
High School	Strainer (HW)	Boiler Room 1	8	Steel	3	2.3
High School	Tee (HW)	Boiler Room 1	1	Steel	3	1
High School	Balancing Valve (HW)	Boiler Room 1	8	Steel	4	3
High School	Control Valve (HW)	Boiler Room 1	1	Steel	4	3
High School	Gate Valve (HW)	Boiler Room 1	2	Steel	4	3
High School	Strainer (HW)	Boiler Room 1	2	Steel	4	2.8
High School	Balancing Valve (HW)	Boiler Room 2	2	Steel	5	3.8
High School	Butterfly Valve (HW)	Boiler Room 2	2	Steel	5	1.8
High School	Check Valve (HW)	Boiler Room 2	1	Steel	5	2.9
High School	Control Valve (HW)	Boiler Room 2	1	Steel	5	3.8
High School	Flex (HW)	Boiler Room 2	4	Steel	5	1
High School	Gate Valve (HW)	Boiler Room 2	2	Steel	5	3.8
High School	Strainer (HW)	Boiler Room 2	1	Steel	5	2.9
High School	Suction Strainer (HW)	Boiler Room 2	2	Steel	5	3.8
High School	Balancing Valve (HW)	Boiler Room 1	5	Steel	6	4.5
High School	Elbow (HW)	Boiler Room 1	3	Steel	6	1
High School	Elbow (Steam)	Boiler Room 2	1	Steel	6	1
High School	Flange (HW)	Boiler Room 1	4	Steel	6	2.3
High School	Flex (HW)	Boiler Room 1	6	Steel	6	1
High School	Gate Valve (HW)	Boiler Room 1	9	Steel	6	4.5
High School	Gate Valve (Steam)	Boiler Room 2	1	Steel	6	4.5
High School	Strainer (HW)	Boiler Room 1	2	Steel	6	3.2

Building	Type of Piping/Tank	Location	Quantity	Pipe Material	Line Size Diam. (in)	Length (ft) or Surface Area (sqft)
High School	Suction Strainer (HW)	Boiler Room 1	3	Steel	6	4.5
High School	Elbow (Steam)	Boiler Room 2	2	Steel	8	1
High School	Gate Valve (Steam)	Boiler Room 2	2	Steel	8	5.7
High School	Flange Cap (Steam)	Boiler Room 2	2	Steel	10	2.8
High School	DHW Tank Head	Boiler Room 1	1	Steel	12	2
High School	Heat Exchanger Head	Boiler Room 2	1	Steel	14	2.5
High School	Vapor Separator	Boiler Room 1	1	Steel	2' x 1'	7.85
High School	Vapor Separator	Boiler Room 1	1	Steel	3' x 1'	10.99
High School	Vapor Separator	Boiler Room 2	1	Steel	3' x 1'	10.99
High School	Reducer (HW)	Boiler Room 1	4	Steel	3" to 1.5"	0.5
High School	Vapor Separator	Boiler Room 1	1	Steel	4' x 1.5'	22.3725
High School	Feed Water Tank	Boiler Room 2	1	Steel	4' x 2.5'	41.2125
High School	Reducer (HW)	Boiler Room 1	4	Steel	4" to 3"	1
High School	Reducer (HW)	Boiler Room 2	2	Steel	5" to 3"	1
High School	Reducer (HW)	Boiler Room 1	3	Steel	6" to 3"	1
Middle School	Balancing Valve (HW)	Boiler Room	2	Steel	2	1.8
Middle School	Balancing Valve (HW)	Boiler Room	2	Steel	3	2.4
Middle School	Control Valve (HW)	Boiler Room	1	Steel	3	2.4
Middle School	Control Valve (HW)	Boiler Room	1	Steel	4	3
Middle School	Butterfly Valve (HW)	Boiler Room	3	Steel	5	1.8
Middle School	Control Valve (HW)	Boiler Room	1	Steel	5	3.8
Middle School	Strainer (HW)	Boiler Room	5	Steel	5	2.9
Middle School	Flange (HW)	Boiler Room	4	Steel	6	2.3
Middle School	Vapor Separator	Boiler Room	1	Steel	3' x 1'	10.99
Middle School	Reducer (HW)	Boiler Room	2	Steel	5" to 4"	1
Academy Street ES	Strainer (Cond.)	Boiler Room	2	Steel	2	1
Academy Street ES	Balancing Valve (HW)	Boiler Room	2	Steel	4	3
Academy Street ES	Bonnet (Steam)	Boiler Room	4	Steel	4	2.8

Building	Type of Piping/Tank	Location	Quantity	Pipe Material	Line Size Diam. (in)	Length (ft) or Surface Area (sqft)
Academy Street ES	Butterfly Valve (HW)	Boiler Room	2	Steel	4	1.5
Academy Street ES	Strainer (HW)	Boiler Room	2	Steel	4	2.8
Academy Street ES	Balancing Valve (HW)	Boiler Room	2	Steel	5	3.8
Academy Street ES	Butterfly Valve (HW)	Boiler Room	2	Steel	5	1.8
Academy Street ES	Flex (HW)	Boiler Room	4	Steel	5	1
Academy Street ES	Suction Strainer (HW)	Boiler Room	2	Steel	5	3.8
Academy Street ES	Bonnet (Steam)	Boiler Room	1	Steel	8	5.4
Academy Street ES	Gate Valve (Steam)	Boiler Room	1	Steel	8	5.7
Academy Street ES	Heat Exchanger Head	Boiler Room	2	Steel	12	2
Academy Street ES	Water Drum	Boiler Room	2	Steel	6' x 6"	9.8125
Academy Street ES	Steam Drum	Boiler Room	1	Steel	6' x 8"	13.25777778
Blue Point ES	Condensate Piping	Fan Room (Custodial)	1	Steel	1.25	4
Blue Point ES	Balancing Valve (HW)	Boiler Room	2	Steel	1.5	1
Blue Point ES	Strainer (HW)	Boiler Room	2	Steel	1.5	1
Blue Point ES	Balancing Valve (HW)	Boiler Room	2	Steel	2	1.8
Blue Point ES	Balancing Valve (HW)	Modular Mech. Room	2	Steel	2	1.8
Blue Point ES	Control Valve (Steam)	Fan Room (Custodial)	1	Steel	2	1.8
Blue Point ES	Flex (HW)	Boiler Room	4	Steel	2	1
Blue Point ES	HW Piping	Boiler Room	1	Copper	2	15
Blue Point ES	HW Piping	Modular Mech. Room	1	Copper	2	4
Blue Point ES	Steam Piping	Attic	1	Steel	2	1
Blue Point ES	Strainer (HW)	Modular Mech. Room	2	Steel	2	1
Blue Point ES	Suction Strainer (HW)	Boiler Room	2	Steel	2	1.8
Blue Point ES	Control Valve (HW)	Boiler Room	1	Steel	3	2.4
Blue Point ES	Gate Valve (Steam)	Fan Room (Custodial)	1	Steel	3	2.4
Blue Point ES	Steam Piping	Fan Room (Custodial)	1	Steel	3	4
Blue Point ES	Steam Piping	Attic	1	Steel	3	8
Blue Point ES	Strainer (Steam)	Fan Room (Custodial)	1	Steel	3	2.3

Building	Type of Piping/Tank	Location	Quantity	Pipe Material	Line Size Diam. (in)	Length (ft) or Surface Area (sqft)
Blue Point ES	Bonnet (Steam)	Boiler Room	4	Steel	6	3.2
Blue Point ES	Steam Piping	Attic	3	Steel	6	1
Blue Point ES	Steam Piping	Attic	1	Steel	6	2
Blue Point ES	DHW Tank Head	Boiler Room	1	Steel	12	2
Blue Point ES	Heat Exchanger Head	Boiler Room	1	Steel	12	2
Blue Point ES	Heat Exchanger Head	Boiler Room	1	Steel	14	2.5
Blue Point ES	Condensate Tank	Boiler Room	1	Steel	2' x 2' x 4'	40
Sylvan Avenue ES	Balancing Valve (HW)	Boiler Room	2	Steel	3	2.4
Sylvan Avenue ES	Bonnet (HW)	Boiler Room	4	Steel	3	2.3
Sylvan Avenue ES	Balancing Valve (HW)	Boiler Room	3	Steel	4	3
Sylvan Avenue ES	Bonnet (HW)	Boiler Room	6	Steel	4	2.8
Sylvan Avenue ES	Control Valve (HW)	Boiler Room	1	Steel	5	3.8
Sylvan Avenue ES	Bonnet (HW)	Boiler Room	3	Steel	6	3.2
Sylvan Avenue ES	Elbow (HW)	Boiler Room	2	Steel	6	1
Sylvan Avenue ES	Flange (HW)	Boiler Room	4	Steel	6	2.3
Sylvan Avenue ES	Gate Valve (HW)	Boiler Room	2	Steel	6	4.5
Sylvan Avenue ES	Reducer (HW)	Boiler Room	1	Steel	6" to 5"	1

New System

All bare piping and valves will be finished, installed and insulated as required under NYS energy law.

Johnson Controls will insulate the exposed piping and valves in these buildings. The insulation will prevent the loss of heat from the pipes, thereby saving boiler energy as well as reducing overheating conditions in adjacent spaces. This will result in improved comfort conditions.

Johnson Controls will install an energy-saving thermal blanket system on valves and fittings identified during the field engineering survey. The thermal blanket system consists of high-quality insulation, custom fit to match gate valves, pressure reducing valves, flanges, strainers, steam traps, heat exchanger heads, and condensate pumps. The thermal blanket insulation system is designed for ease

of installation through the application of prefabricated two-piece jackets and the use of stainless-steel lacing.

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Energy Savings $	= ((Heat Loss Rate per foot of Un-insulated Pipe ï Heat Loss Rate per foot of Insulated Pipe) x (length of Pipe x Hours of Operation) x Cost/btu)/(Boiler Efficiency))

Reference is made to the ASHRAE 1989 Fundamentals text page 22.19 Table 9A ñHeat Loss from Bare Steel Pipe to Still Air at 80°F, Btu/hr-ftòfor losses from un-insulated lines and Table 11 ñRecommended Thickness for Pipe and Equipment Insulationò

Equipment Information

Manufacturer and Type	The Customer and Johnson Controls will determine the final selection.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

The insulation of the appurtenances can happen anytime without impact on building operation. In areas were asbestos is present; precautions will be required as required by all applicable law, codes, rules and regulations. No architectural or structural changes to the facility are anticipated with the implementation of this measure. JCI shall be responsible for asbestos abatement.

Customer Support and Coordination with Utilities

The service to the specific lines may require minimal interruption to allow for the repair or replacement. Coordination with site personnel will be required to minimize interruption to the buildings affected. Work shall be performed with no interruptions to Customerôs operations.

ECM 5 Boiler Replacements

Executive Summary

All locations were surveyed for the application of this measure. Locations where boilers are new or are in good operation condition with proper efficiency this measure does not apply. The boilers that operate at lower than acceptable efficiencies and are at the end of their life will be replaced by JCI. The new boilers will help the District achieve future energy savings and lower the amount of maintenance cost during the contract period.

Existing System

Academy Street Elementary School

Two (2) dual fuel, boilers are installed to supply steam to heat exchangers that supply the hot water heating for the building. The boilers have traditional boiler controls that control the start-stop of the boilers based upon pressure set points. All burners operate with minimal modulation and fire on and off to meet load.

The boilers and burners installed are listed in the Table below.

Name	Manufacturer	Model Number	Serial Number	Heating Input	Heating Output
Boiler 1	Smith	4500A-13	MB2001-70	5372 mbh, 37 gph	3687 mbh(water), 3292 mbh(steam)
Boiler 2	Rockmills	MP 100	9465		100 HP
Burner 1	Power Flame	C4-G0-25-ATI	070100414	1300 - 5372 mbh, 10.1 - 37 gph	
Burner 2	Webster	JB2C-30-RM7800L-M.25-MR-UL/IRI/KEYSPAN-LI	U75997A-016-05	2580 - 4200 mbh, 18 - 30 gph	

Table 1

Table 2 lists the feed water / condensate pumps installed.

System Served	Name	Pump Manufacturer	Motor Manufacturer	GPM	TDH	Frame	HP	RPM	Phase	Voltage	Amperage
Boiler 1	Feed Water Pump	Shipco Pumps	G.E.	15	20	56J	1/2	3450	3	208-230/460	2.0-2.0/1
Boiler 2	Feed Water Pump	Shipco Pumps	G.E.	15	20	56J	1/2	3450	3	208-230/460	2.0-2.0/1
Standby	Feed Water Pump	Shipco Pumps	G.E.	15	20	56J	1/2	3450	3	208-230/460	2.0-2.0/1

Table 2

Table 3 lists the heating hot water pumps installed.

Name	Pump Manufacturer	Model Number	Motor Manufacturer	GPM	TDH	Frame	HP	RPM	Phase	Voltage	Amperage	Nema Efficiency
P-12A	Armstrong	4x3x13 4030	Armstrong	400	170	284TC	25	1780	3	208-230/460	61.9-56/28	92
P-12B	Armstrong	4x3x13 4030	Armstrong	400	170	284TC	25	1780	3	208-230/460	61.9-56/28	92
P-6	Armstrong	4x4x6 4380	Baldor	235	8	145JM	1	1140	3	208-230/460	4-3.6/1.6	80
P-7	Armstrong	4x4x6 4380	Baldor	235	8	145JM	1	1140	3	208-230/460	4-3.6/1.6	80

Table 3

New System

Furnish and Install two (2), Weil McLane Cast Iron Hot Water Heating Boilers according to the following specifications.

Scope of Work

- Isolate disconnect and remove completely from job site and dispose of properly One (1) Mills cast iron boiler, Model 4500A-13 and One (1) existing burner PF C4-GO-25-ATI, One (1) Rock Mills steel tube boiler, 100 HP and one (1) existing burner Cyclonetic JB2C-30, one (1) existing boiler feed tank and two (2) existing steam to water heat exchangers.
- Reconfigure existing primary/secondary heating loop piping in boiler room as required.

- Supply, install and commission two (2) new replacement burners and boilers fully packaged.
- Connect new equipment to existing heating system piping/pumps/chimneys/fuel/electric supplys as required.
- Fill system with water purge out, check for leaks fire burners on fuels available.
- Set combustion, test, record results.
- Check complete operation of new system and piping.
- *JCI shall be responsible for any asbestos abatement associated with this ECM and its Scope of Work under the Agreement and this Amendment.*

New Replacement Equipment:

- Supply, install and commission two (2) new Weil McLane Cast Iron hot water heating boilers Model 88-13 Series,
- Supply, install and commission two (2) new Power Flame duel fuel full modulation burners, Model CR3-GO-25,
- Supply, install and commission two (2) new concrete equipment pads or steel channel to level and lift new boilers off floor of new equipment as required by new equipment manufacturers.
- All new black steel piping/fittings greater than 2-1/2ò to be welded as method of assembly.
- All welding will be performed by certified welders all screw and brazing by Master Plumbers.

Regulatory Requirements

- Boiler(s) and controls to comply with applicable regulations in effect at the time of contract signing.
- Provide U.L. labeled burner(s).

Submittals

- Submit shop drawings and product data.
- Submittal packet to include boiler (and burner) manufacturer descriptive literature, installation instructions, operating instructions, and maintenance instructions.

Boiler foundation(s):

- Construct needed support and level concrete foundation(s) where boiler room floor is uneven or will not support the weight of the boiler(s).

Boiler trim:

New electrical components to bear the U.L. label.

Water boiler(s) controls furnished:

- Combination low temperature limit (operating) and manual reset high temperature limit control.
- Low temperature limit set according to system design. High temperature limit set at least 20°F higher than the low limit (240°F is the maximum allowable water temperature).
- Combination pressure-temperature gauge with dial clearly marked and easy to read.
- ASME certified pressure relief valve, set to relieve at 30 PSIG. Relief valves with side outlet discharge type; pipe outlet to floor drain or near floor, avoiding any area where freezing could occur.

Low water cut-off for water boiler(s):

- Boiler(s) to be furnished with U.L. labeled low water cut-off with ASME working pressure rating equal to the ASME rating of the relief valve.
- No quick-connect fittings on boiler(s).
- Install cut-off according to manufacturerôs instructions.
- Locate so burner shuts down if boiler water level falls below allowable safe waterline.

Start-up and Service

- Obtain the services of a factory-authorized agent to provide burner light off and adjustment. The start-up agent shall provide a burner light-off report as written proof that the burner was adjusted to optimum performance.
- The authorized agent shall provide a one-year service warranty after start-up.

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Existing Heating Efficiency	= Existing Heat Production/ Existing Fuel Input
Proposed Heating Efficiency	= Proposed Heat Production/ Proposed Fuel Input
Energy Savings $	= Heating Production (Proposed Efficiency ï Existing Efficiency)

Equipment Information

Manufacturer and Type	The Customer and Johnson Controls will determine the final selection.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customer's review and approval.

Changes in Infrastructure

New boilers will be installed in itemized locations. For most of the boiler replacements, no architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Minor support will be required for the interruption of utilities for brief tie-in periods. Continuity of service must be maintained for the Customer. All interruptions will be coordinated and scheduled with the staff in advance. Work shall be performed with no interruptions to Customer's operations.

ECM 6 Window & Door Replacement

Executive Summary

All locations were surveyed for the application of this measure. Locations where doors and windows are new or are in good condition this measure does not apply. The rate of infiltration that occurs due to the leakage around the frames is a major cause of energy loss. The upgrade will result in substantial savings and improved comfort to those affected spaces. Overall, through the implementation of this measure the District will reduce its heating fuel usage and air conditioning costs each year.

Existing System

James Wilson Young Middle School
The windows that are installed throughout the building are single pane, glider and fixed units in aluminum frames that are in poor condition and will be replaced.

Blue Point Elementary School
There are a few windows installed that are single pane, project-in and fixed units in aluminum frames that are in poor condition and will be replaced.

Sylvan Avenue Elementary School
The windows that are installed are single pane, project-in and fixed units in aluminum frames that are in poor condition and will be replaced, shown in Figures 6, 7 and 8.

New System

Johnson Controls shall furnish and install following scope as part of this measure:

Johnson Controls will furnish and install new exterior double pane energy efficient windows and new exterior energy efficient Fiber Reinforced plastic FRP style doors listed below as per the NYS Energy Code in effect at the time of contract signing.

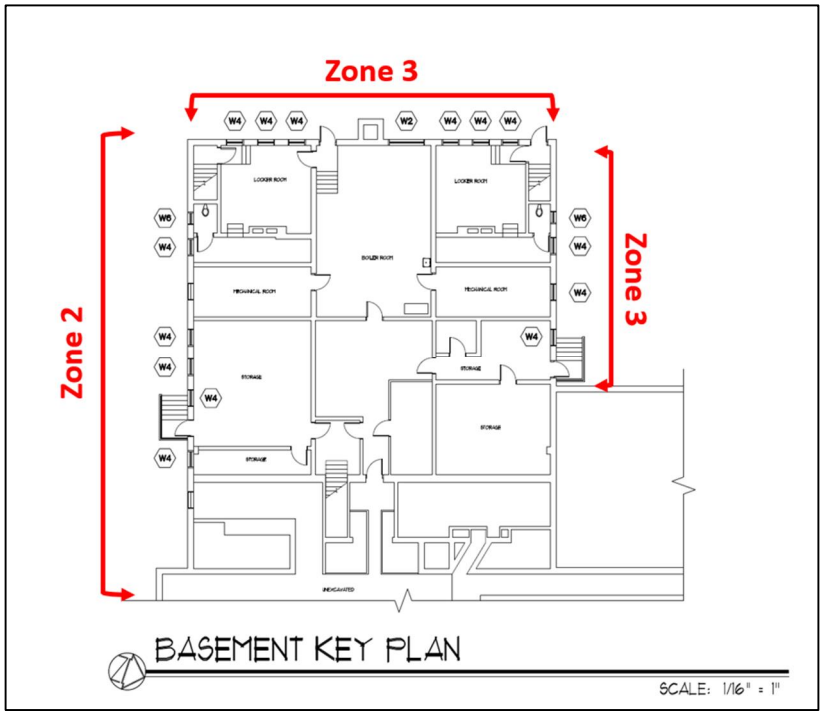
James Wilson Young Middle School

- Replace Cafeteria Exit Doors

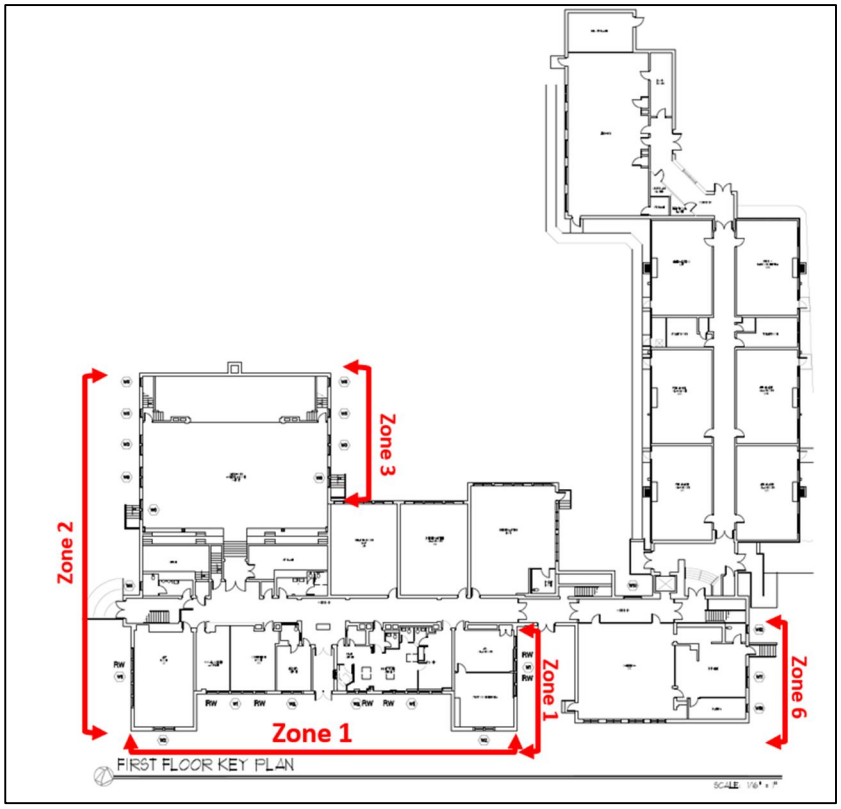
Blue Point Elementary School

- Replace West 1954/63 Windows
- Replace Gym Windows
- Replace Corridor Windows

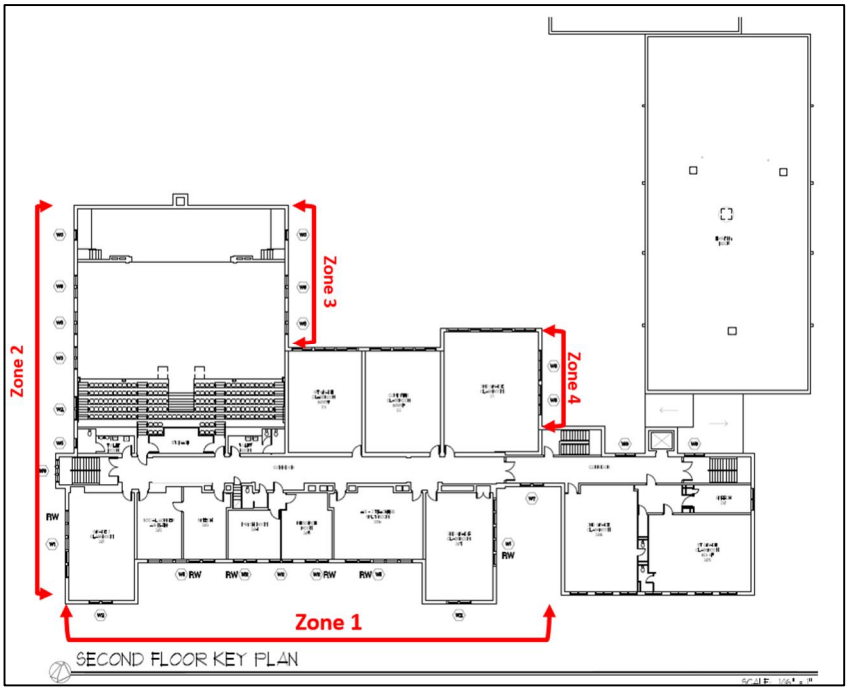
The areas for the window replacements at the Blue Point Elementary School are shown in the picture below.



Blue Point Elementary School



Blue Point Elementary School



Blue Point Elementary School

The zones from the three floor plans above are summarized in the table below:

Bayport Bluepoint ES	Window Replacement (Sq. ft.)
Zone 1	2019
Zone 2	781
Zone 3	598
Zone 4	178
Zone 6	68
Total	***3,644***

The windows shall be Traco single hung windows. The doors shall be Vale FRP doors with Stanley/Best hardware including closers, hinges, panic bars, cylinders and saddles.

The windows shall be Traco single hung windows. The doors shall be Vale FRP doors with Stanley/Best hardware including closers, hinges, panic bars, cylinders and saddles.

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Existing Cooling. Gain (In mmBtu's) = (Avg. OA Temp. - Summer Inside Setpoint) x Sqft. x Existing U Value x Total Bin Hours/1,000,000
Proposed Cooling. Gain (In mmBtu's) = (Avg. OA Temp. - Summer Inside Setpoint) x Sqft. x Proposed U Value x Total Bin Hours/1,000,000
Existing Heating. Loss (In mmBtu's) = (Avg. OA Temp. - Winter Inside Setpoint) x Sqft. x Existing U Value x Total Bin Hours/1,000,000
Proposed Heating. Loss (In mmBtu's) = (Avg. OA Temp. - Winter Inside Setpoint) x Sqft. x Proposed U Value x Total Bin Hours/1,000,000

Equipment Information

Manufacturer and Type	The Customer and Johnson Controls will determine the final selection.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customer's review and approval.

Changes in Infrastructure

Doors and windows as noted will be replaced.

Customer Support and Coordination with Utilities

The service to the specific locations may require interruption to allow for the replacement of the existing doors and windows. Coordination with site personnel will be required to minimize interruption to the buildings affected. Work shall be not be performed until the minimal interruptions are approved by the District.

ECM 7 Motor Replacement

Executive Summary

All locations were surveyed for the application of this measure. Energy savings can be obtained by replacing the standard efficiency motors that are installed throughout the facility with premium efficiency motors. Johnson Controls has identified motors in the District as candidates for replacement with premium efficiency equivalents.

Existing System

Johnson Controls has identified air handling unit motors and heating hot water pump motors as good candidates for replacement to premium efficiency motors.

New System

Johnson Controls will furnish and install replace motors listed in the table below with new premium efficiency units.

The scope of work will be as follows:

- Remove and properly dispose of existing motor(s).
- Provide new premium efficiency open drip-proof type motors with 1.15 SF. Connect using existing electrical.
- Provide precision alignment for new motors, sheaves & pulleys.
- Provide new belts to match existing.

Building	Location	Equipment	Name	Frame	HP	RPM	Voltage	Amperage	Eff.
Bayport - Blue Point High School	Boiler Room 1	Burner	Burner 1	145TCZ	5	3450	200-208	14	81
Bayport - Blue Point High School	Boiler Room 1	Burner	Burner 2	145TCZ	5	3450	200-208	14	81
James Wilson Young Middle School	Fan Room	Air Handling Unit	AHU-4	213T	7.5	1765			
James Wilson Young Middle School	Boiler Room	Burner	Burner 1	182	5	3500	208-230	14.2-13.2	82.5

Building	Location	Equipment	Name	Frame	HP	RPM	Voltage	Amperage	Eff.
James Wilson Young Middle School	Boiler Room	Burner	Burner 2	182	5	3500	208-230	14.2-13.2	82.5
James Wilson Young Middle School	Boiler Room	Hot Water Pump	P-2	S215T	10	1740	200	31.4	
Blue Point Elementary School	Gym Fan Room	Air Handling Unit	AHU	254T	7.5	1750	200-208	24	
Sylvan Avenue Elementary School	Boiler Room	Burner	Burner 1	213TC	10	3450	208-230/460	25.6-23.2/11.6	88.5
Sylvan Avenue Elementary School	Boiler Room	Burner	Burner 2	213TC	10	3450	208-230/460	25.6-23.2/11.6	88.5
Sylvan Avenue Elementary School	Boiler Room	Hot Water Pump	P4	184T	5	1750	208-230/460	13.2-12.5/6.4	87.5

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Motor kW Savings	= Measured kW **x** ((1/std. Eff.) - (1/New Eff.))
Annual kWh Savings	= Motor kW Savings **x** Hrs. Operating per Year

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

New motors will be installed in place of the old motors. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Coordination with site personnel will be required to minimize interruption to the buildings affected. Work shall be not be performed until the minimal interruptions are approved by the District.

ECM 8 Renewable Energy – Photovoltaic Electric Generation

Executive Summary

All locations were surveyed for the application of this measure. This measure will reduce the quantity of purchased power from the local utility resulting in good financial benefits for both electric and fossil fuels.

Existing System

Sections of roofs, parking lot and open fields throughout the District are suited for the installation of solar panels to produce electricity.

New System

Johnson Controls will furnish, install and commission a total of 1683.24 KW roof-mounted, carport and canopy photovoltaic electrical generation systems as detailed in the Table below that will interconnect with the existing electrical distribution system at the associated schools.

The following Table identifies the PV sizes and installation type at each location:

Locations	Carport / Canopy System (kW-DC)	Roof Mount (kW-DC)	Total (kW-DC)
Bayport - Blue Point High School	730.40	0.00	**730.40**
James Wilson Young Middle School	0.00	388.86	**388.86**
Academy Street School	0.00	222.03	**222.03**
Sylvan Ave Elementary School	78.02	263.94	**341.96**
Totals	**808.42**	**874.82**	**1,683.24**

Turnkey installation includes the following specifications for new Roof Ballasted Systems:

- UL Certificate

- New wiring to meet the requirements of the 2017 National Electric Code, as amended.
- Solar Module to be 72 cell 400 watt Hyundai, LG, JA Solar or equal and as approved by Customer's Architect/Engineer.
- Inverters to be Solectria, SMA or equal 1000 volt family.
- System to meet 2017 NEC Code, as amended.
- All required Interconnection to building system located as per 2017 NEC Code, as amended, lineside tap as determined by the utility(ies) having jurisdiction. The Customer shall not be responsible for any interconnection costs. All connection costs shall be the sole responsibility of JCI.
- Unirac RM, Ecofoot or equal self-ballasted racking system.
- Web based dashboard for PV production for students and staff to use and access.PV dashboard will be capable of logging 15 minute interval data for kW, kWh and solar irradiance.
- Furnish and install required ballast block.
- One time training to the District.
- District to support monitoring by supplying an IT drop to a gateway location and all necessary IP addresses that the District will maintain for 18 years.
- Protective slip sheet as roofing warranty certifications.
- SED approved system design drawings.

Turnkey installation includes the following specifications for Carport, Canopy Systems:

- Carport system to have a minimum height of 14 ft. in roadway areas
- Canopy system to have a minimum height of 10 ft.
- Solar Modules to be 72 cell 400 watt LG, Hyundai, JA Solar or equal
- Solar Inverters to be Solectria, SMA or equal 1500 volt family.
- Solar equipment to be mounted at no less than 10 ft above grade.
- Conduit work up to 10 ft. above grade will be hard wall galvanized.
- New switchgear required will be completely fenced in with access gate
- New underground conduit to be PVC
- All work to conform to PSEG and/or any other utility, regulatory or governmental agencies requirements. JCI is responsible for all costs necessary to conform with these requirements.
- Canopy Racking system, including all hardware and module mounting hardware to be RBI Solar or Equal.
- New members and hardware are galvanized steel with Columns and Top Beams hot dipped to ASTM A123 and purlins pre-galvanized to a G140 minimum. Module hardware is stainless steel.
- New member connections shall be bolted. No on-site welding shall be required or undertaken without the prior written permission of the District and its Architect.
- Parking lot restoration in all affected areas to be saw cut and hot patched to match existing surface conditions.

- Columns to be set directly on concrete piers with chemical anchors or wet set anchor bolts.
- Temporary fencing, barricades or storage trailers necessary to secure site.
- Disposal of soil/spoil created from the foundation installation is included. JCI shall undertake all necessary soil testing and properly dispose of all soil at its cost and expense in accordance with all applicable laws, rules, regulations and codes in effect at the time of contract signing.
- Grounding hardware for modules and racking
- Module grounding to be per module manufacturer's installation instructions.
- Base design includes pre-punched holes in the purlin for wire management.
- RBI Solar model CPT galvanized steel canopy systems have undergone testing with Intertek towards ETL Classification for bonding and grounding to UL Standard 2703. This testing includes electrical bonding tests for PV module-to-racking connections, racking component- to-racking component connections, and canopy structure-to-grounding lug connections.
- Electrical Underwriters Certificate
- Electrical installation to be installed as per the NEC 2017 code, as amended and updated.
- Electrical conduit will be installed outside of concrete piers and/or baseplates.
- Two (2) Electric Vehicle (EV) Charging Stations
- JCI will provide a web-based dashboard for PV production for students and staff to use and access
- District to support monitoring by supplying an IT drop to a gateway location and all necessary IP addresses that the district will maintain for 18 years.
- SED approved system design drawings.

In the event that any of the building roofs, parking lots or walkways are determined to be unsuitable for roof mounted, carport, canopy PV arrays, Johnson Controls will attempt to move the arrays or portions of the arrays to another location that is suitable at any of the other buildings outlined above, subject to all necessary review and approvals.

Johnson Controls shall install the new PV systems with existing roof manufacturer standards to maintain current and any new roof warranty(ies) as it relates to the solar panel installation. At all locations, existing structural steel, joists, roof decks, parking lots, walkways are anticipated to be adequate for solar panel installation. If during the design phase the architect / engineer of record, BBS, encounter structural issues, geo-tech issues, drainage issues, septic system issues with any of roofs, roof framing, parking lots and walkways, JCI shall relocate the problem areas of solar arrays to a different location in order to maintain the 1683.24 kW DC of total system size, subject to all necessary review and approval as determined by the Customer. JCI shall be fully responsible for coordinating its work with ongoing capital work at the Customerôs facilities, including roof, parking lot and walkways installations.

In the event that any of the proposed locations are determined to not be a viable option, the scope of work for this ECM shall be reduced subject to Customerôs written approval by deduct change order and the costs associated with the reduced scope shall be credited to the Customer. The guaranteed savings

would also be adjusted accordingly by a formal written amendment to the agreement. All adjustments require Customerôs written approval and must maintain a positive cash flow as set forth in the contract documents.

The weather station monitoring is included through dashboard for the term of the contract. The weather station includes pyranometer at maximum of three (3) locations.

Power to the building will be temporarily shut down by the utility for up to four (4) hours during the tie-in. Co-ordination with the District will be required at the time of the tie-in.

To the extent that any trees or shrubbery interfere with the solar Canopy System at the Sylvan Ave. Elementary School, JCI shall remove said trees and shrubbery and replace the same at the sole cost and expense to JCI and at no cost to the Customer. The replaced trees and shrubbery shall be placed and installed at a location to be determined by the Customer. JCI further agrees to provide and install plantings, soil, etc. at the High School north parking lot location along the eastern fence line to shield the solar Carport as identified in the proposal from Bayport Flower House, Inc. dated October 3, 2018 and drawings of the same date, all of the foregoing at the sole cost and expense of JCI and at no cost to the Customer.

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Existing kW	= Existing wattage of Solar Panels/1000 watts per kW
Cost per kWh	= Average Site Data Package $/kWh
Full Hours of Solar Exposure	= Zone 3
Energy Savings $	= kW x Cost per kWh x Full Hours of Solar Exposure (*) Hours of operation are to be stipulated

Equipment Information

Manufacturer and Type	The Customer and JCI will determine final selection.
Equipment Identification	Product cut sheets and specifications for generally used product can be included if requested by the customer. As part of the measure design and approval process, specific product selection will be provided for your review and approval.

Changes in Infrastructure

New equipment will be installed and electric tie in required.

Customer Support and Coordination with Utilities

Coordination of the electrical tie in to the main electric panels will be required. Work shall be performed with no interruptions to Customerôs operations.

ECM 9 Plug Load Controllers

Executive Summary

All locations were surveyed for the application of this measure. The amount of plug load devices is ever increasing in today's schools. Unfortunately, as the number of these devices increase, electricity consumption also increases. Newly deployed water coolers and existing water fountains are another source of plug load energy use. Managing plug load equipment provides an opportunity for optimizing energy savings. This measure adds a plug load management system that will effectively manage selective plug load devices. The device will provide energy management through a user interface, where opportunity will exist to turn equipment / appliance on / off or change schedule to optimize energy savings.

Existing System

Many plug load devices have been documented throughout the District. These include large copier/printers and window air conditioning units. Opportunity exists to save energy by installing a plug load management system on those units that consume energy during sleep mode or when inadvertently left on.

New System

Johnson Controls shall furnish and install 80 plug load management controllers that will gain control of specified plug load equipment listed below. The system will use an existing Wi-Fi network that will communicate to an energy management user interface. Through the user interface, equipment shall be monitored, scheduled and turned on / off. In areas where no Wi-Fi connection exists, plugs shall be programmed with the intended schedule for the equipment.

Building	Copier	Window AC
High School	5	13
Middle School	3	6
Academy Street Elementary	3	13
Blue Point Elementary	2	16
Sylvan Avenue Elementary	3	16
Total	**16**	**64**

Following is the scope of work for the plug load controllers:

- Provide plug load control devices as per final schedule of outlets
- Install and connect devices
- Load and configure software on an owner designated head custodian PC
- Start, test, and checkout the system

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Energy Savings Methodology	
Existing kW	= Listed Equipment Amperage x Voltage of Equipment
Cost per kWh	= Average Site Data Package $ / kWh
Cost of Existing Equipment	= Existing kW x Cost per kWh x Effective Full Load Hours
Cost of Proposed Equipment	= Existing kW x Cost per kWh x Full Load Hours Using Control
Energy Savings $	= Existing Equipment Costs ï Proposed Equipment Costs

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections.
Equipment Identification	As part of the FIM design and approval process, specific product selection will be provided for Customerôs review and approval.

Changes in Infrastructure

No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Work shall be not be performed until the minimal interruptions are approved by the District. Work shall be performed with no interruptions to Customerôs operations.

ECM 10 Unit Ventilator – Refurbishment

Executive Summary

All locations were surveyed for the application of this measure. Unit ventilators installed within the District should be refurbished and/or replaced. This measure will refurbish/replace the existing unit ventilators that supply the required amount of outside air into the classrooms while maintaining setpoint and reducing energy consumption.

Existing System

The buildings utilize unit ventilators and air handlers/H&V units to provide the required amount of ventilation to the spaces working in conjunction with the roof mounted exhaust fans.

New System

Johnson Controls shall refurbish the unit ventilators noted below.

Mechanical refurbishment is limited to:

- Vacuum cleaning of entire unit ventilator cabinet
- Vacuum cleaning of heating and (if applicable) cooling coils
- Repair/replacement of defective motors
- Replacement of damper bearing and edge seals
- Repair/replacement of speed switch and fan transformer
- Repair/replacement of fuses and disconnect
- Filter replacement

The following table lists the quantity of unit ventilators to be refurbished:

Building	Refurbish
James Wilson Young Middle School	38
Total	38

Building	Refurbish
Middle School	Room 209
Middle School	Room 211
Middle School	Room 213
Middle School	Room 215
Middle School	Room 217
Middle School	Room 219
Middle School	Room 210
Middle School	Room 212
Middle School	Room 214
Middle School	Room 216
Middle School	Room 218
Middle School	Room 220
Middle School	Room 260
Middle School	Room 258
Middle School	Room 256
Middle School	Room 254
Middle School	Room 252
Middle School	Room 250
Middle School	Room 259
Middle School	Room 257
Middle School	Room 255
Middle School	Room 253
Middle School	Room 251
Middle School	Room 249
Middle School	Room 118
Middle School	Room 122
Middle School	Room 124
Middle School	Room 148
Middle School	Room 146
Middle School	Room 144
Middle School	Room 142

Building	Refurbish
Middle School	Room 140
Middle School	Room 138
Middle School	Room 145
Middle School	Room 143
Middle School	Room 141
Middle School	Room 229
Middle School	Room 231

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Available Annual Exhaust Air Energy Heating	= [(OA Leakage CFM **x** 1.08 **x** (heat transfer efficiency) **x** hrs of operation]/boiler efficiency.

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Coordination with site personnel will be required to minimize interruption to the buildings affected. Work shall be performed with no interruptions to Customer's operations.

ECM 11 Air Conditioning Compressor Controllers

Executive Summary

All locations were surveyed for the application of this measure. The existing air conditioning units that are installed at the itemized buildings are good candidates for improved controllers to improve the efficiency of the system operation. Johnson Controls shall install new controllers on the individual compressor units located in the District that provide sufficient financial support in energy savings.

Existing System

The buildings are equipped with rooftop units and/or outdoor condensing units. The controls for these units use standard pressure switches that do not utilize advanced control methodology.

New System

Intelligent Control Systems uses intelligent Dynamic Cycle Management (DCM) technology to determine the cooling demand and ñthermal characteristicsò of the entire air conditioning system by analyzing the compressorôs cycle pattern, and dynamically modifying that cycle pattern to provide the required cooling in the most efficient manner. This is accomplished in ñreal-timeò by delaying the start of the next compressor on cycle by an amount determined by the cooling demand analysis. These new cycle patterns are less frequent and more efficient. This electrically augments the existing controls, and will not cause the compressor to run unless the existing thermostat is calling for it to do so ï improving the electrical efficiency of air conditioning systems, by supplementing and antiquated on/off action of the thermostat (even a ñsmartòone) with the cycle analysis and control capabilities of a computer.

The i-CON 2400/2600 controllers work in conjunction with the existing thermostat and will not void the compressor manufacturerôs warranty. An additional feature is the accepted industry practice of compressor anti-short-cycling control.

Johnson Controls shall furnish and install Intelligent Control Systems ICON-2400/2600 controllers on the existing individual compressor units located in the buildings listed below:

Location	No. of Compressors
Bayport - Blue Point High School	21
James Wilson Young Middle School	7
Academy Street Elementary School	4
Blue Point Elementary School	6
Total	**38**

Building	Location	Area Served	Name	Manufacturer	Compressor Data	No. of Compressors
Bayport - Blue Point High School	Roof	Admin Wing AH-1	ACC-1	McQuay	x3: 12.2 RLA ea.	3
Bayport - Blue Point High School	Roof	Air Conditioning	CU			1
Bayport - Blue Point High School	Roof	Air Conditioning	CU			1
Bayport - Blue Point High School	Outside	Air Conditioning	CU	Trane		1
Bayport - Blue Point High School	Roof	Air Conditioning	CU	Trane		1
Bayport - Blue Point High School	Roof	Auditorium AC	ACCU-	McQuay	x2: 23 RLA ea.	2
Bayport - Blue Point High School	Roof	Auditorium AC	ACCU-	McQuay	x2: 23 RLA ea.	2
Bayport - Blue Point High School	Roof	Auditorium Lobby	RTU	Lennox	x2: 17.3 RLA ea.	2
Bayport - Blue Point High School	Roof	Auditorium Lobby	RTU	Lennox	x2: 17.3 RLA ea.	2
Bayport - Blue Point High School	Roof	Area D	RTU	Lennox	17.3 RLA	1
Bayport - Blue Point High School	Roof	Area D	RTU	Lennox	17.3 RLA	1
Bayport - Blue Point High School	Roof	Area E	RTU-E5	Lennox	x2: 9 RLA ea.	2
Bayport - Blue Point High School	Roof	Library	RTU	Trane	x2: 24.3 RLA ea.	2
James Wilson Young Middle School	Roof	Auditorium	ACC-4	Trane	x4: 41.4 ea.	4
James Wilson Young Middle School	Roof	Library	ACC-5	Trane	x2: 41.4 & 60.5 RLA	2
James Wilson Young Middle School	Roof	Main Office	CU-6	Trane	19.0 RLA	1

Building	Location	Area Served	Name	Manufacturer	Compressor Data	No. of Compressors
Academy Street Elementary School	Roof	RTU-1	CU-1	McQuay	x3: 2 @ 22.4 RLA & 41 RLA	3
Academy Street Elementary School	Roof	RTU-2	CU-2	Lennox	18.6 RLA	1
Blue Point Elementary School	Roof	Air Conditioning	CU	Trane		1
Blue Point Elementary School	Outside	Air Conditioning	CU	Trane	9.5 RLA	1
Blue Point Elementary School	Roof	Air Conditioning	CU	Trane		1
Blue Point Elementary School	Roof	Air Conditioning	CU	Trane	32.1 RLA	1
Blue Point Elementary School	Outside	Air Conditioning	CU	Trane	25 RLA	1
Blue Point Elementary School	Roof	Air Conditioning	CU	Trane	32.1 RLA	1

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Baseline Energy Usage (kWh/yr)	= Existing Watts x Operating Hours/yr x 1 kW/1000 Watts
Estimated Energy Usage (kWh/yr)	= Proposed Watts x Op. Hours/yr x 1 kW/1000 Watts
Energy Savings (kWh/yr)	= Baseline Energy Usage ï Estimated Energy Usage

Equipment Information

Manufacturer and Type	Johnson Controls and the District will determine final selections.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

A new controller for each air conditioning unit will be installed and tested. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Coordination with site personnel will be required to minimize interruption to the buildings affected. Work shall be performed with no interruptions to Customerôs operations.

ECM 12 Refrigeration Compressor Controllers

Executive Summary

All locations were surveyed for the application of this measure. The existing refrigeration units that are installed at the itemized buildings are good candidates for improved controllers to improve the efficiency of the system operation. Johnson Controls proposes to install new controllers on the individual compressor units located in the District that provide sufficient financial support in energy savings.

Existing System

The schools are fitted large refrigeration equipment. The controls for these units use standard pressure switches that do not utilize advanced control methodology.

New System

The i-Con 2500 is a microprocessor-based, UL listed, electronic control that automatically adjusts the compressor cycles to achieve the greatest efficiency and reduced electrical usage. The sizing of refrigeration systems is based upon a number of factors. When any of the design considerations are not met, the refrigeration system can become oversized for the load and thus less efficient. Intelligent Control Systemsô intelligent Dynamic Cycle Management (DCM) Technology analyzes the demands and thermal characteristics of the entire refrigeration system, and dynamically modifies the compressor cycle pattern. These new patterns result in less frequent and more efficient compressor cycles. Just as computer control has increased the gas mileage of automobiles, the unit improves the electrical efficiency of refrigeration systems, by supplementing the antiquated on/off action of the thermostat or pressuretrol with the analysis and control capabilities of a computer. The IntelliCon DCM Technology ñintelligent modification of compressor cyclingò will result in significant electrical energy savings. IntelliConôs innovative and intelligent algorithms have field proven electrical savings not only on properly sized and operating systems, but also on units that were undersized or those that had not been properly maintained.

The i-Con 2500 works in conjunction with the existing temperature controls and will not void the compressor manufacturerôs warranty. JCI shall be fully responsible for maintaining this warranty and all warranties on existing equipment.

An additional feature of the i-Con 2500 is the accepted industry practice of compressor anti-short-cycling control. Installation by a qualified HVAC/R service technician is recommended. The unit does not require any programming, adjustments or maintenance.

The i-Con 2500 will reduce electric consumptionð typically 10% to 20%ð when installed on commercial refrigeration/freezer (refrigeration) systems. Intelligent Dynamic Cycle Management (DCM) Technology represents a major advancement in refrigeration system energy-saving technology, unsurpassed in todayðs commercial refrigeration marketplace. The unit is easily installed by a qualified installer, maintenance free and guaranteed to save energy.

Johnson Controls shall furnish and install Intelligent Control Systems ICON-2500 controllers on the existing individual compressor units located in the buildings listed below:

Location	No. of Compressors
Bayport - Blue Point High School	1
Sylvan Avenue Elementary School	4
Total	5

Building	Location	Manufacturer	Compressor Data
Bayport - Blue Point High School			
Sylvan Avenue Elementary School	Basement	Copland	3.9 RLA
Sylvan Avenue Elementary School	Basement	Tecumseh	5.2 RLA
Sylvan Avenue Elementary School	Basement	Copland	5.9 RLA
Sylvan Avenue Elementary School	Basement	Copland	2.75 RLA

Energy Savings Methodology

Johnson Controls uses the following approach to determine savings for this specific measure:

Baseline Energy Usage (kWh/yr)	= Existing Watts x Operating Hours/yr x 1 kW/1000 Watts = Proposed Watts x Op. Hours/yr x 1 kW/1000 Watts

Estimated Energy Usage (kWh/yr) Energy Savings (kWh/yr)	= Baseline Energy Usage ï Estimated Energy Usage

Equipment Information

Manufacturer and Type	Johnson Controls and the Customer will determine final selections.
Equipment Identification	As part of the measure design and approval process, specific product selection will be provided for the Customerôs review and approval.

Changes in Infrastructure

A new controller for each refrigeration unit will be installed and tested. No architectural or structural changes to the facility are anticipated with the implementation of this measure.

Customer Support and Coordination with Utilities

Minor support will be required for the interruption of utilities for brief tie-in periods. Work shall be performed with no interruptions to Customerôs operations.

New Attachment 10 – Pro Forma Cash Flow dated December 15, 2022

Bayport - Bluepoint Union Free School District

12/15/2022 : Contract Amendment

Johnson Controls

Yr	A1 NYSED Building Aid	A2 Annual Energy Cost With Out Savings	A3 Annual Energy Cost with Improvements	A=A2-A3 Annual Energy Savings	B Annual O&M savings	C Estimated Rebate Program	D=A1+A+B+C Total Annual Savings	E Annual Lease Payment	D+E Annual Cash Flow	Cumulative Cash Flow
1	$253,350	$872,562	$352,659	$519,903	$48,151	$251,000	**$1,072,404**	($937,252)	$135,152	***$135,152***
2	$506,700	$890,013	$359,712	$530,301	$49,114	$0	**$1,086,115**	($937,252)	$148,863	***$284,015***
3	$506,700	$907,814	$366,906	$540,907	$50,096	$0	**$1,097,703**	($937,252)	$160,451	***$444,466***
4	$506,700	$925,970	$374,245	$551,725	$51,098	$0	**$1,109,523**	($937,252)	$172,271	***$616,738***
5	$506,700	$944,489	$381,729	$562,760	$52,120	$0	**$1,121,580**	($937,252)	$184,328	***$801,066***
6	$506,700	$963,379	$389,364	$574,015	$53,163	$0	**$1,133,878**	($937,252)	$196,626	***$997,691***
7	$506,700	$982,647	$397,151	$585,495	$54,226	$0	**$1,146,421**	($937,252)	$209,169	***$1,206,860***
8	$506,700	$1,002,299	$405,094	$597,205	$55,310	$0	**$1,159,215**	($937,252)	$221,963	***$1,428,824***
9	$506,700	$1,022,345	$413,196	$609,149	$56,417	$0	**$1,172,266**	($937,252)	$235,014	***$1,663,838***
10	$506,700	$1,042,792	$421,460	$621,332	$57,545	$0	**$1,185,577**	($937,252)	$248,325	***$1,912,163***
11	$506,700	$1,063,648	$429,889	$633,759	$58,696	$0	**$1,199,155**	($937,252)	$261,903	***$2,174,065***
12	$506,700	$1,084,921	$438,487	$646,434	$59,870	$0	**$1,213,004**	($937,252)	$275,752	***$2,449,817***
13	$506,700	$1,106,620	$447,257	$659,363	$61,067	$0	**$1,227,130**	($937,252)	$289,878	***$2,739,695***
14	$506,700	$1,128,752	$456,202	$672,550	$62,288	$0	**$1,241,538**	($937,252)	$304,286	***$3,043,981***
15	$506,700	$1,151,327	$465,326	$686,001	$63,534	$0	**$1,256,235**	($937,252)	$318,983	***$3,362,965***
16	$253,350	$1,174,354	$474,633	$699,721	$64,805	$0	**$1,017,876**	$0	$1,017,876	***$4,380,841***
17	$0	$1,197,841	$484,125	$713,715	$66,101	$0	**$779,816**	$0	$779,816	***$5,160,657***
18	$0	$1,221,797	$493,808	$727,990	$67,423	$0	**$795,413**	$0	$795,413	***$5,956,070***
Total	***$7,347,150***	***$18,683,570***	***$7,551,245***	***$11,132,325***	***$1,031,024***	***$251,000***	***$20,014,850***	***($14,058,780)***	***$5,956,070***	***$5,956,070***

Total Project Net Cost:	**$10,420,729**	***NYSED Capital Building Aid Rate:***	**68.2%**
Gross Project Costs:	**$0**	***NYSED Capital Building Aid Nominal Interest Rate:***	**2.000%**
Other Costs (Construction Interest):	**$0**	***NYSED Amortized Amount:***	**$10,420,729**
Net Financed Investment:	**$10,420,729**	***NYSED Aid Payment Period (yrs):***	**15.0**
Loan Terms Per RFP		***NYSED EPC Aidability (%)***	**92%**
Loan Interest Rate:	**4.0%**	***NYSED Adjusted Payback (yrs):***	**17.90**
Loan Term in Years:	**15**	***Service Inflation Rate:***	**2%**
Loan Payments Per Year:	**1**	***Energy Inflation Rate:***	**2%**
Total No. of Loan Payments in Arrears:	**15**	***Operational Savings Inflation Rate:***	**2%**
Sum of Annual Loan Payments:	**$937,252**		
		Total Program Cumulative Cash Flow:	**$5,956,070**
Johnson Controls' Guarantee Period:	**18**	***Net Present Value (at 5%):***	**$3,342,621**