

Lighting Systems & Controls Application 2017 Retrofit Program

The Retrofit Program is designed for Commercial and Industrial (C&I) customers to help replace aging and inefficient equipment and systems with more energy efficient technologies. This type of prescriptive application provides a pre-determined incentive amount based on calculated energy savings to help expedite a customer's incentive processing and improve their return on investment as a result of improved energy savings, increased safety, and improved productivity that comes with more energy efficient lighting.

Application and Instructions

This application is designed for the replacement of existing operating equipment:

Eligibility:

- Must be an Upstate New York National Grid Commercial Electric Account holder and pay into the System Benefits Charge (SBC). IRS recognized farms and religious organizations may also be eligible if they pay into the SBC. Please verify with a copy of a National Grid electric utility bill.
- Product types eligible for prescriptive lighting retrofit and controls incentives are included in Tables 1A (Lighting Systems Eligibility and Incentives) and 1B (Lighting Controls Eligibility and Incentives) attached to this application. Measures not listed on this application may be eligible for incentives under our Custom C&I Retrofit program. Please contact your National Grid Representative for additional details.

Pre-Approval Requirements:

- Only completed applications will be considered and reviewed for incentive eligibility.
- All projects require a pre-inspection prior to National Grid issuing an incentive offer letter.
- BEFORE purchasing and installing the equipment, ensure the project is eligible for an incentive.
- National Grid account number, Federal Tax ID numbers and a W-9 form for the customer must be provided.
- Be sure to identify the customer or installation contractor receiving the incentive and where the check is to be sent.

Application Steps:

- Complete the Excel file of the lighting and control measures and system inventory spreadsheet. If you do not have access to Excel or use a version older than 2010, please fill out the Lighting Systems Inventory Worksheet (Table 2A) and Lighting Control(s) Inventory Worksheet (Table 2B) if controls are part of the project. Return either the spreadsheet or the completed tables as part of your complete package submitted to National Grid. Please refer to the NYS Device Codes chart or speak with your National Grid Representative for accepted codes and wattages.
- Proposed equipment manufacturer's technical specification sheets ("cut sheets") for each type of installed equipment must be provided with the application.
- Project must include labor and material cost.
- All LED fixtures must be Design Lights Consortium (DLC) qualified and LED bulbs must be ENERGY STAR™ qualified. LED products not found on Energy Star or DLC qualified products lists may be eligible for incentives if found on Lighting Design Labs (LDL) qualified product list.

Installation and Payment Steps:

- Once a completed application is reviewed and meets the minimum energy savings requirements, an incentive is calculated and offer letter is provided to the customer and/or installation contractor for review and signature.
- The customer and/or installation contractor must:
 - Purchase and install equipment within 180 days upon receipt of the pre-approval letter.
 - Verify installation by providing a signed signature page from the customer report ("Certification of Installation")
 - Provide a copy of a paid invoice on company letterhead indicating type, size, make, model and quantity of equipment and include burdened project labor costs.
 - Return all required information to National Grid within 30 days of the installation.

Program Details:

- This Retrofit program covers applications created on or after January 1, 2017. Details of this Program, including incentive levels, are subject to change without prior notice. The prescriptive application and all required documents must be provided as a complete package in one email to your NG Representative, otherwise it will be placed on hold.

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ALL FIELDS ON THIS PAGE ARE REQUIRED.

CUSTOMER/ACCOUNT HOLDER INFORMATION (Customer must submit a W-9 Form)

CUSTOMER FACILITY NAME		CONTACT PERSON		APPLICATION DATE / /	
PHONE - -		FAX NUMBER - -		CUSTOMER FEDERAL TAX ID NUMBER	
INSTALL SITE		EMAIL ADDRESS		SQUARE FEET (COVERED BY THIS APPLICATION)	
STREET ADDRESS		CITY		STATE	ZIP
MAILING ADDRESS (IF DIFFERENT)		CITY		STATE	ZIP
COMPANY TYPE: <input type="checkbox"/> INCORPORATED <input type="checkbox"/> EXEMPT <input type="checkbox"/> NOT INCORPORATED		CLASSIFICATION TYPE: <input type="checkbox"/> ≥ 2MW (LARGE) <input type="checkbox"/> < 2MW (MID-SIZE) <input type="checkbox"/> (INDUSTRIAL) <input type="checkbox"/> (COMMERCIAL) *≥ 2MW LARGE COMMERCIAL USE THE < 2MW CLASSIFICATION			
CUSTOMER OF RECORD: BILLING ACCOUNT NUMBER: (REQUIRED)					

BUILDING TYPE (SELECT ONE)

<input type="checkbox"/> ASSEMBLY	<input type="checkbox"/> FAST FOOD	<input type="checkbox"/> HOSPITAL	<input type="checkbox"/> MULTIFAMILY HIGH-RISE	<input type="checkbox"/> SMALL OFFICE	<input type="checkbox"/> UNIVERSITY
<input type="checkbox"/> AUTO REPAIR	<input type="checkbox"/> FOOD & BEVERAGE	<input type="checkbox"/> HOTEL	<input type="checkbox"/> MULTIFAMILY LOW-RISE	<input type="checkbox"/> SMALL RETAIL	<input type="checkbox"/> WAREHOUSE
<input type="checkbox"/> BIG BOX	<input type="checkbox"/> FULL SERVICE RESTAURANT	<input type="checkbox"/> LARGE OFFICE	<input type="checkbox"/> REFRIGERATED WAREHOUSE	<input type="checkbox"/> OTHER:	
<input type="checkbox"/> COMMUNITY COLLEGE	<input type="checkbox"/> GROCERY	<input type="checkbox"/> LARGE RETAIL	<input type="checkbox"/> PHARMACEUTICAL	<div style="border: 1px solid black; height: 20px; width: 100%;"></div>	
<input type="checkbox"/> COLLEGE DORMITORY	<input type="checkbox"/> HEAVY INDUSTRIAL	<input type="checkbox"/> LIGHT INDUSTRIAL	<input type="checkbox"/> PRIMARY METALS		
<input type="checkbox"/> ELEMENTARY SCHOOL	<input type="checkbox"/> HIGH SCHOOL	<input type="checkbox"/> MOTEL	<input type="checkbox"/> RELIGIOUS		

INCENTIVE PAYMENT

CUSTOMER ADDRESS ABOVE INSTALLATION CONTRACTOR OR EQUIPMENT VENDOR ADDRESS OTHER (FILL OUT BELOW)

BUSINESS NAME		CONTACT PERSON			
STREET ADDRESS		CITY		STATE	ZIP
PHONE - -		EMAIL ADDRESS			
COMPANY TYPE		FEDERAL TAX ID NUMBER (REQUIRED IF RECEIVING INCENTIVE)			

INSTALLATION CONTRACTOR INFORMATION

INSTALLATION COMPANY		CONTACT PERSON			
STREET ADDRESS		CITY		STATE	ZIP
PHONE - -		EMAIL ADDRESS			
COMPANY TYPE		FEDERAL TAX ID NUMBER (REQUIRED IF RECEIVING INCENTIVE)			

Lighting Systems & Controls Application 2017 Retrofit Program

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EQUIPMENT VENDOR INFORMATION

EQUIPMENT VENDOR COMPANY	CONTACT PERSON		
STREET ADDRESS	CITY	STATE	ZIP
PHONE - -	EMAIL ADDRESS		
COMPANY TYPE	FEDERAL TAX ID NUMBER (REQUIRED IF RECEIVING INCENTIVE)		

ADDITIONAL APPLICATION INFORMATION

EXPECTED COMPLETION DATE OF PROJECT

TOTAL COST OF LABOR AND MATERIALS FOR INSTALLED LIGHTING AND/OR CONTROL EQUIPMENT*

*AN ACTUAL INVOICE ON COMPANY LETTERHEAD IS REQUIRED TO BE SUBMITTED TO NATIONAL GRID BEFORE FINAL PAYMENT OF INCENTIVE.

\$

CUSTOMER ACCEPTANCE OF TERMS

I CERTIFY THAT ALL STATEMENTS MADE IN THIS APPLICATION ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND THAT I HAVE READ AND AGREE TO THE TERMS AND CONDITIONS OF NATIONAL GRID'S RETROFIT PROGRAM.

BY (AUTHORIZED SIGNATURE)

PRINTED NAME






TITLE

COMPANY

DATE

/ /

Table 1A: Lighting Systems Eligibility and Incentive Levels (Complete Table 2A for Lighting System Installations)

Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
Table 1A.1: Re-lamp & Re-ballast Replacement Options					
10	Fluorescent Reduced Wattage T-8 or T-5 Re-lamp and Re-ballast	\$10	Re-lamp/re-ballast of existing fixtures with T-8 or T-5 lamps, each fixture is composed of ballast and 1, 2, 3 or 4 lamps. Only one incentive may be counted per fixture. Multiple fixtures served by a single ballast are only eligible for one incentive.	11	
12	Fluorescent Reduced Wattage T-8 or T-5 Re-lamp and Re-ballast	\$15	Re-lamp/re-ballast of existing fixtures with the opportunity for increased savings of more than 23 watts. Consider using reduced wattage (25W and 28W) T-8 lamps.	23	
81A	Integral LED Screw-in and Pin Based Directional Replacement Lamps	\$5	Eligible LED screw-in and pin based directional integral replacement lamps include: MR16, PAR16, and PAR20, A-line, candle, and decorative globe lamps. Please check with your National Grid representative for eligibility of other omnidirectional and decorative lamp types. Required to be listed by Energy Star.	12	
81B	Integral LED screw-in Directional Replacement Lamps – PAR and Screw Base LED Down Light Retrofit Kits	\$15	Eligible LED screw-in directional integral replacement lamps include: PAR30, BR30, and PAR38. Also Eligible: Screw Base LED Down Light Retrofit Kits. Required to be listed by Energy Star.	25	
81C	LED Linear and U-Bend Replacement Lamps (UL Type A) and External Driver Lamp Style Retrofit-Kit (UL Type C)	\$4 (per lamp)	LED 2 ft., 3 ft., and 4 ft. Linear and U-Bend Replacement Lamps (UL Type A) and Lamp Style Retrofit-Kits (UL Type C) are required to be listed by the DesignLights Consortium® and must meet DLC technical requirements #17, #18, or #19. Minimum of 2,000 annual hours of operation. LED Lamps with Internal Driver using Line Voltage to tombstones (UL Type B) are NOT eligible, see measure code 81F.	12	 Type A & C
81D	LED 4 ft. External Driver Lamp Style Retrofit-Kit (UL Type C)	\$6 (per lamp)	LED 4 ft. Lamp Style Retrofit-Kits with External Driver (UL Type C) are required to be listed by the DesignLights Consortium® and must meet DLC technical requirements #17. Minimum of 3,100 annual hours of operation. LED 4 ft. Linear Replacement Lamps (UL Type A) and Lamps with Internal Driver using Line Voltage to sockets (UL Type B) are NOT eligible, see measure codes 81C or 81F.	12	 Type C
81E	LED 4 ft. External Driver Lamp Style Retrofit-Kit (UL Type C)	\$8 (per lamp)	LED 4 ft. Lamp Style Retrofit-Kits with External Driver (UL Type C) are required to be listed by the DesignLights Consortium® and must meet DLC technical requirements #17. Minimum of 4,000 annual hours of operation. LED 4 ft. Linear Replacement Lamps (UL Type A) and Lamps with Internal Driver using Line Voltage to sockets (UL Type B) are NOT eligible, see measure codes 81C or 81F.	12	
























Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
81F	LED Linear and U-Bend Replacement Lamps with Internal Driver using Line Voltage to Tombstones (UL Type B) <u>ONLY</u>	\$3 (per lamp)	LED 2 ft., 3 ft., and 4 ft. Linear and U-Bend Replacement Lamps with line voltage (UL Type B) are required to be listed by the DesignLights Consortium® and must meet DLC technical requirements #17, #18, or #19. Existing lamp holders must be replaced with new as supplied or specified by lamp manufacturer. Fixtures being retrofitted must be clearly labeled to alert of alterations with line voltage to lamp holder. Copy of all safety training and/or instructions must be provided. One incentive per lamp.	12	
81H	LED 2-pin or 4-pin Compact Fluorescent Replacement Lamps	\$4 (per lamp)	LED 2-pin or 4-pin Compact Fluorescent Replacement Lamps - verticle or horizontal installation with integral driver (UL Type A) are required to be listed by the DesignLights Consortium® and must meet DLC technical requirements #25 or #26. One incentive per lamp.	5	
81M	LED Mogel Screw Base (E39) Replacement for HID Lamps	\$30	LED Mogel Screw Base (E39) Replacement for HID Lamps are required to be listed by the DesignLights Consortium® and must meet technical requirements #20, #21, #22, #23, or #24.	40	
81MH	LED Mogel Screw Based (E39) Replacement for HID Lamps - High Output	\$70	LED Mogel Screw Base (E39) Replacement for HID Lamps are required to be listed by the DesignLights Consortium® and must meet technical requirements #21, #22, #23, or #24.	110	
71	Integral Ceramic Metal Halide PAR Replacement Lamp	\$10	Eligible Integral Ceramic Metal Halide PAR replacement lamps shall not exceed 25W PAR38 lamp or similar.	27	

Table 1A.2: Commercial/Industrial Interior Fixture Options

25	LED or LEC (Electroluminescence) Exit Fixtures	\$10	All units shall comply with applicable codes and standards; including (but not limited to) Federal/State/Local building, fire, and electrical codes and may require designated egress lighting to comply with such codes. Exit sign retrofit kits are not eligible.	15	
30A	High Efficiency 2-lamp Prismatic Lensed Fluorescent Fixtures - 2x2 or 2x4	\$20	Overall fixture efficiency must be \geq : <ul style="list-style-type: none"> • 83% for 2x4 prismatic lensed fixture with two T-8 or T-5 lamps; • 75% for 2x2 prismatic lensed fixture with two T-8 or T-5 lamps (28W Reduced wattage biax lamps are eligible). 	27	
30B	High Efficiency 2-lamp Parabolic Fluorescent Fixtures - 2x2 or 2x4	\$25	Overall fixture efficiency must be \geq : <ul style="list-style-type: none"> • 80% for 2x4 fixture with parabolic louver (2" to 3" deep cells) with two T-8 or T-5 lamps; • 80% for 2x2 fixtures with parabolic louver (2" to 3" deep cells) with two T-8 or T-5 lamps. (28W Reduced wattage biax lamps are eligible). 	27	
30C	High Efficiency up to 2-lamp Recessed Indirect/Direct Fluorescent Fixtures - 2x2 or 2x4	\$25	Overall fixture efficiency must be \geq : <ul style="list-style-type: none"> • 75% for 2x4 recessed indirect/direct fixture with two T-8 or T-5 lamps; • 70% for 2x2 recessed indirect/direct fixture with two T-8, T-5, or T-5 HO lamps. (28W Reduced wattage biax lamps are eligible). 	27	

Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
31	High Efficiency 3-lamp Fluorescent Fixtures - 2x4	\$20	<p>Overall fixture efficiency must be \geq :</p> <ul style="list-style-type: none"> 83% for 2x4 prismatic lensed fixture with three T-8 or T-5 lamps; 75% for 2x4 fixture with parabolic louver (2" to 3" deep cells) with three T-8 or T-5 lamps; 70% for 2x4 recessed indirect fixture with three T-8 or T-5 lamps; <p>Eligible fixtures are limited to 3 lamps with a low power ballast factor < 0.80.</p>	31	
32	High Efficiency Recessed Fluorescent 2-lamp Retrofit Kits - 2x2 and 2x4	\$20	<p>Overall fixture efficiency must be \geq :</p> <ul style="list-style-type: none"> 80% for 2x4 parabolic retrofit kit and advanced glare reducing diffuser retrofit kit with two T-8 or T-5 lamps; 80% for 2x2 parabolic retrofit kit and advanced glare reducing diffuser retrofit kit with two T-8, T-5, or T-5 HO lamps (28W Reduced wattage biax lamps are eligible). 	27	
34	Advanced Recessed Fluorescent Fixtures - 2x2, 1x4 or 2x4	\$30	<p>Overall fixture efficiency must be \geq :</p> <ul style="list-style-type: none"> 85% for 2x4 advanced glare reducing diffuser fixture with one or two T-8 or T-5 lamps, or one T-5HO lamp; 80% for 1x4 advanced glare reducing diffuser fixture with one or two T-8 or T-5 lamps, or one T-5HO lamp. 80% for 2x2 advanced glare reducing diffuser fixture with one or two T-8 or T-5 lamps, or one T-5HO lamp (28W Reduced wattage biax lamps are eligible). 	33	
41	Industrial/Commercial Fluorescent Fixtures 4 ft. and 8 ft. Fixtures	\$20	<p>Overall fixture efficiency must be \geq :</p> <ul style="list-style-type: none"> 85% for Industrial Reflector fixture with T-8 or T-5 lamps (up to 20% up-light); 83% for Commercial Grade Wraparound fixture with one or two T-8 or T-5 lamps. 85% for reflector kits with specular or semi-specular reflectors <p>Reflector Kits for Existing Fixtures includes 2'x2', and 2'x4' reflector troffer kits, 4'and 8'strip channel, and industrial reflector kits.</p> <p>Only one incentive may be counted per fixture. Eight foot and multiple fixtures served by a single ballast are only eligible for one incentive.</p>	23	
56	High Intensity Fluorescent Fixtures (HIF) for High and Low Bay Applications (less than or equal to 210W)	\$35	<p>Minimum wattage is 111 Watts and Maximum wattage is 210 Watts. Minimum fixture efficiency must exceed 80%. Recommended mounting height > 16 feet above the floor. High Intensity Fluorescent fixtures incorporate a number of lamp technologies that include T-8, T-5, T-5HO and compact fluorescent. Low power ballasts are not eligible.</p>	55	
57	High Intensity Fluorescent Fixtures (HIF) for High and Low Bay Applications (greater than 210W)	\$50	<p>Minimum wattage is greater than 210 Watts. Minimum fixture efficiency must exceed 80%. Recommended mounting height > 20 feet above the floor. High Intensity Fluorescent fixtures incorporate a number of lamp technologies that include T-8, T-5, T-5HO and compact fluorescent. Low power ballasts are not eligible.</p>	85	



Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
70	Ceramic Metal Halide Specialty Lighting Hard Wired Fixtures with Electronic Ballast	\$20	Ceramic Metal Halide Specialty Fixtures may be track, recessed or surface mounted and used for high quality display type lighting. Must be approved by UL or similar agency.	55	
80	LED Down Light Fixtures - Hard Wired	\$50	Eligible Down Lights are required to be hardwired and listed as a commercial LED product by Energy Star.	25	
84	LED Track or Mono-Point Directional Fixtures	\$15	LED track or mono-point directional fixtures must be listed by Energy Star or the DesignLights Consortium® and meet DLC technical requirement #5.	45	
88A	LED Interior 1x4, 2x2, and 2x4 Panel Fixtures and LED Retrofit Kits	\$25	Eligible LED Interior 1x4, 2x2, and 2x4 fixtures and retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #7 or for retrofit kits #14. Must have a minimum of 2,000 annual hours of operation.	44	
88B	LED Interior 1x4, 2x2, and 2x4 Panel Fixtures and LED Retrofit Kits	\$35	Eligible LED Interior 1x4, 2x2, and 2x4 fixtures and retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #7 or for retrofit kits #14. Must have a minimum of 3,100 annual hours of operation.	60	
88C	LED Interior 1x4, 2x2, and 2x4 Panel Fixtures and LED Retrofit Kits	\$40	Eligible LED Interior 1x4, 2x2, and 2x4 fixtures and retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #7 or for retrofit kits #14. Must have a minimum of 4,000 annual hours of operation.	50	
89	LED Direct Linear Ambient Fixture	\$15	LED Direct Linear Ambient Fixture must be listed by the DesignLights Consortium® and meet DLC technical requirement #8.	30	
82A	LED Display Case: Cooler, Freezer, or Refrigerated Shelving Fixtures – 3ft. & 4ft. Fixtures	\$30	Eligible LED Cooler and Freezer Case fixtures are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #6. Please specify quantity of end and/or center mount fixtures in Table 2A.	14	
82B	LED Display Case: Cooler, Freezer, or Refrigerated Shelving Fixtures – 5ft. & 6ft. Fixture	\$50	Eligible LED Cooler and Freezer Case fixtures are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #6. Please specify quantity of end and/or center mount fixtures in Table 2A.	23	













Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
86A	LED Interior High Bay & Low Bay Fixtures or Retrofit Kits (<9,500 lumens)	\$35	Eligible LED interior high bay & low bay fixtures or retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #9, or if a retrofit kit #16. Integral ballast screw-based lamp retrofit products are NOT eligible for this incentive, see measure code 81M or 81MH.	75	  
86B	LED Interior High Bay Fixtures or Retrofit Kits (9,501 - 19,999 lumens)	\$115	Eligible LED interior high bay fixtures or retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #9, or if a retrofit kit #16. Integral ballast screw-based lamp retrofit products are NOT eligible for this incentive, see measure code 81M or 81MH.	210	
86C	LED Interior High Bay Fixtures (≥ 20,000 lumens)	\$175	Eligible LED interior high bay fixtures are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #9. Retrofit kits are NOT eligible under this measure code. Please see 86B for retrofit eligibility.	290	

Table 1A.3: Outdoor / Exterior / Harsh Environment Fixture Options

43	Vapor Tight Fluorescent Fixtures - 4 ft. and 8 ft. Fixtures	\$20	Overall fixture efficiency must be ≥ : • 70% for Vapor Tight fluorescent fixture with one or two T-8, T-5, T-8HO, T-5HO or 3-T8 lamps. Typically installed in garage, warehouse, food prep, and other industrial applications.	45	
44	Clean Room Rated Fluorescent Fixtures - 1x4 or 2x4	\$30	Eligible fixtures must be installed in a clean room rated environment. Overall fixture efficiency must be ≥ : • 75% for Clean Room fluorescent fixture with up to three T-8 or T-5 lamps.	60	
92	LED Vapor Tight Fixtures - 4 ft. and 8 ft. Fixtures	\$20	Eligible LED vapor tight fixtures are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #8.	45	
83A	LED Exterior Fixtures - Garage & Canopy 24/7 Operation	\$150	Eligible LED Fixtures for surface, recessed, canopy mounted vapor tight are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #1, #2, #3 or #4. Must have 8,760 annual hours of operation. LED Retrofit kits are not eligible under this measure code. Please see 83B for Retrofit Kit eligibility.	60	 
83B	LED Exterior Fixtures and Retrofit Kits - Garage & Canopy Dusk to Dawn Operation	\$100	Eligible LED Fixtures or Retrofit Kits for surface, recessed, canopy mounted vapor tight are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #1, #2, #3, or #4, or for retrofit kits #10, #11, #12, or #13. Must have a minimum of 4,380 annual hours of operation.	95	

Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Saved	Image
85A	LED Exterior Wall/Pole/Arm Mounted Area and Flood Fixtures and Retrofit Kits	\$25	Eligible LED exterior wall/pole/arm mounted area or flood fixtures or retrofit kits are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #1, #2, #3, or #4 or for retrofit kits #10, #11, #12, or #13. Must have a minimum of 2,000 annual hours of operation.	73	
87A	LED Exterior Wall/Pole/Arm Mounted Area and Flood Fixtures and Retrofit Kits - Low, Medium, & High Output Dusk to Dawn Operation	\$75	Eligible LED wall/pole/arm mounted area and flood fixtures are required to be listed by the DesignLights Consortium® and must meet DLC Technical Requirements #1, #2, #3, or #4 or for Retrofit Kits #10, #11, #12, or #13. Must have a minimum of 4380 annual hours of operation.	128	
87B	LED Exterior Wall/Pole/Arm Mounted Area and Flood Fixtures and Retrofit Kits - Medium & High Output Dusk to Dawn Operation	\$145	Eligible LED wall/pole/arm mounted area and flood fixtures are required to be listed by the DesignLights Consortium® and must meet DLC technical Requirements #2, #3, or #4. Retrofit Kits must meet DLC Technical Requirements #11, #12, or #13. Must have a minimum of 4380 annual hours of operation.	140	
87C	LED Exterior Wall/Pole/Arm Mounted Area and Flood Fixtures - High or Very High Output Dusk to Dawn Operation	\$265	Eligible LED wall/pole/arm mounted area and flood Fixtures are required to be listed by the DesignLights Consortium® and must meet DLC technical Requirements #3 or #4. LED Retrofit kits are not eligible under this measure code. Please see 87B for Retrofit Kit eligibility. Must have a minimum of 4380 annual hours of operation.	250	

Notes:

- Facility lighting must average a minimum of 2,000 hours per year, except Municipal Facilities which must average a minimum of 1,000 hours
- All proposed Fluorescent Fixtures must be equipped with new T-8 or T-5 lamps and new electronic ballasts that meet current federal energy conservation standards. All 4 ft. fluorescent T-8 lamps must meet or exceed the Consortium for Energy Efficiency's (CEE) T-8 replacement lamp specification. For detailed eligibility requirements and a list of qualifying lamps, please log onto CEE's web site at: www.cee1.org/qualifying_T8_lamps
- Energy Star® qualified LED products listings and technical requirements can be found at: www.energystar.gov/LED
- DesignLights Consortium® (DLC) qualified LED products listing and technical requirements can be found at: www.designlights.org
- LED products not found on Energy Star or DLC qualified products lists may be eligible for incentives if found on Lighting Design Labs (LDL) qualified products list which can be found at: <https://www.lightingdesignlab.com/led-qpl>

National Grid does not warrant or accept any liability whatsoever for LED 2ft. or 4ft. Linear Replacement Lamps or Retrofit Kits that receive incentives through our energy efficiency programs. Customers are responsible for the proper modification and installation of LED 2ft. and 4ft. Linear Replacement Lamps or Retrofit Kits in existing fixtures in accordance with manufacturer's instructions. Customers should be aware that fixture modifications may void warranty. Customers are responsible for proper labeling of all modified fixtures.

It is the responsibility of the lighting installers to meet current Illuminating Engineering Society standards for light levels, light distribution, uniformity, and lighting quality for all installations.

Table 1B: Lighting Controls Eligibility and Incentive Levels (Complete Table 2B for Lighting Control Installations)

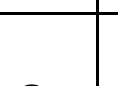
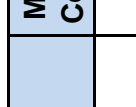
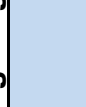
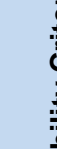
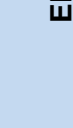
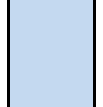
Measure Code	Measure Description	Per Unit Incentive	Eligibility Criteria	Min Watts Controlled	Image
61	Remote Mounted Occupancy Sensor	\$20	Ceiling Mounted Control. Comply with manufacturer coverage recommendations. Manual "ON" overrides are not eligible.	60	
62	Daylight and/or Occupancy Dimming System	\$15 (per fixture)	Ballast or LED drivers must be automatically controlled based on daylight or occupancy levels.	25 (per fixture)	
63	Integral Fixture Mounted Dual Sensors & Controllers	\$25 (per fixture)	Integral fixture mounted dual sensor with motion and photocell/ambient light sensor. System to control motion response and illumination levels. Only one incentive per fixture.	25 (per fixture)	
64	Wall Mounted Occupancy Sensor	\$10	Occupancy sensor must operate as Automatic On and Off. Sensors must be wall mounted devices only. Vacancy sensors with Manual On, Automatic OFF options are allowed. Manual "ON" overrides are not eligible.	40	
65	Photocell Sensor - Exterior Lighting applications operating 24/7	\$20	Photocell sensor or hard-wired astronomical timer controller for lighting systems that operate 24 hours per day, 7 days per week (8,760 annual hours).	50	
68	Occupancy Sensor for High Bay Fixtures	\$25 (per fixture)	Fluorescent ballasts or LED drivers must be automatically controlled based on occupancy. Sensors must be integral (built into) or permanently attached to each fixture. Manual "ON" or overrides are not eligible.	65 (per fixture)	

Table 2A: Lighting Systems Inventory Worksheet



Click this button to access the excel file of the lighting and controls measures and system inventory worksheets.
 Please include this excel file as part of your completed package submitted to National Grid.
 If you do not have access to Excel or use a version before 2010 please fill in the worksheet(s) below and submit to National Grid.

Line Item	Interior or Exterior (I or E)	Conditioned Space (Yes, No or Refrigerated)	Facility Name	Building Square Footage: Overall Bldg Sq. Ft.				Annual Energy Usage: add 12 months kWh usage				Total Lighting Incentive				
				Annual Operating Hours**	Location	Existing Quantity	NY Device Code*	Existing Watts per Fixture/Device	Measure Code	Fixture/Lamp/Ballast Description	Proposed Quantity		NY Device Code*	Proposed Watts per Fixture/Device		
Ex. 1	I	Y	interior office space	2888		2x4 lensed troffer	F44ILL	50	112	38A - LED Interior 1x4, 2x2, and 2x4 Panel Fixtures and LED Ballast Kits	LED troffer	50	FLED038	38	25	1,250
2																
3																
4																
5																
6																
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Sample: Refer to Note and Link Above

Note:
 Submissions will be verified for accuracy and may be corrected to meet program requirements
 * Refer to the NY Device Codes & Rated System Wattage Table found on our website or in the tab of the excel file of this worksheet
 ** Facility lighting must average a minimum of 2,000 hours annually, except Municipal Facilities which must average a minimum of 1,000 hours annually

Table 2B: Lighting Controls Inventory Worksheet

Installation Site:		Facility Name									
		Lighting and Controls Details									
Line Item	Location	Measure Code	Type of Lighting Controls	Fixture/Lamp/Ballast Description	Quantity of Controls	# of Fixtures Being Controlled	Total Watts per Control	Annual Operating Hours**	Control Hours	Per Controller Incentive	Total Controls Incentive
Ex.	interior office space	61 - Remote Mounted Occupancy Sensor	Programmable Control	LED troffer	1	50	1900	2888	433	20	20
1											
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Sample: Refer to Note and Link on Table 2A