

ATTACHMENT B

NEW YORK ENERGY \$SMART<sup>SM</sup> COMMERCIAL LIGHTING PROGRAM
PROJECT INSTALLATION AND DESIGN INCENTIVE APPLICATION FORM

Section 1. Applicant Information
Business Partner ID#
Business Partner Type: Contractor ESCO Distributor Designer Other (Manufacturer or Rep)
Business Name Contact Name
Applicant Address Phone
City State Zip Fax
Federal Tax ID# E-mail

Section 2. Co-Applicant Information
Business Name of Co-Applicant #1 Contact Name
Co-Applicant #1 Federal Tax ID# Business Partner ID#
Business Name of Co-Applicant #2 Contact Name
Co-Applicant #2 Federal Tax ID# Business Partner ID#

Section 3. Project Site Information
Building/Project Name Contact Name
Project Address Contact Phone Fax
City State Zip Estimated Square Footage of Project
Electric utility Provider:
Rochester Gas & Electric New York State Electric & Gas Corp. Con Edison (Eligible for Bonus)
National Grid Central Hudson Gas & Electric Corp. Orange and Rockland Utilities
Will other NYSERDA Program Incentives be applied for under this project? Yes No
If yes, which Program? PON#

Section 4. Mailing Information (if different from above)
Business Name Contact Name
Address Phone
City State Zip Fax

Section 5. Which of The Following Best Describes This Lighting Project?
Remodel/renovation in an existing building New equipment for new occupancy (3)
New equipment for expanding operation (2) Unexpected fixture replacement (4)
How long since the last lighting upgrade? years How long has occupant been in this space? years
Age of Building years

Section 6. Incentive(s) Requested
Project Installation Incentive
Design Incentive (Business Partner Designers Only)
Bonus for projects in Con Edison Territory
Break the Ice Incentive (Contractors Only)

Section 7. Required Supporting Documentation Checklist
Project Information Worksheets or other authorized documentation of criteria compliance
Fixture/Equipment specification sheets Equipment Invoices (not required for Design Phase I)

Section 8. Certification Statement: I certify that all information provided in this application, including all items required by Section 7, is true and complete. It is understood that the terms and Conditions included in the Business Partner Participation Agreement apply to this application. I further certify that I have met all of the requirements applicable to the requested incentive.
Applicant Signature Date
Co-applicant #1 Signature (if applicable) Date
Co-applicant #2 Signature (if applicable) Date

### Qualifying lighting layouts must meet these minimum criteria:

**Color Rendering Index (CRI)** - Color Rendering Index of lamps must be 80 or higher. Warehouse, storage, shipping, industrial, electrical/mechanical, and closets areas are exempt from this criteria..

**Spacing Criteria** - Luminaires must be spaced within the manufacturer's recommended spacing criteria listed on the fixture photometric/specification sheets. Distance between walls and adjacent luminaires should not exceed one-half of the luminaire spacing criteria. Closer spacing is preferred. Wall-wash luminaires must be mounted no more than 3 feet from walls. Direct/indirect luminaires must be spaced based on the manufacturer's recommendations to provide uniform lighting at the workplane and uniform ceiling brightness. Accent luminaires are exempt from this requirement.

**Luminous Intensity** - This value is found in fixture photometric/specification sheet candela distribution tables or charts. Accent fixtures are exempt from this requirement. For Ally Designer Design Incentives this criterion is mandatory. For Ally Contractor, Ally Distributor, and Other Ally Project Incentives, this criterion is recommended.

- Luminous intensity for open office plans should not exceed 300 candelas maximum @ 55 degrees (a 20% variance is allowed); OR, fixtures must meet the criteria for High Efficiency Low-Glare Fixtures in NYSERDA's Existing Facilities Program.
- Luminous intensity for other applications should not exceed 600 candelas maximum @ 65 degrees (a 20% variance is allowed); OR, fixtures must meet the criteria for High Efficiency Low-Glare Fixtures in NYSERDA's Existing Facilities Program.
- Fixtures mounted more than 15ft. from the floor are exempt from the luminous intensity criteria.

**Mean Illuminance** - Recommended illuminance values will vary by space types based on the general task typically performed in that space (see the SCLP Metrics Chart for recommendations). A 20% variance from the light level target is allowed. Refer to the IESNA Lighting Handbook for more information.

**Energy Use** – The project's total connected lighting load divided by the total area shall not exceed the average lighting power allowance (LPA expressed in Watts / Sq. Ft.) for the applicable space category as listed in the SCLP Metrics Chart. The lighting power allowance is based on the Energy Conservation and Construction Code of New York State 2007, less 10%. Projects that are 20%, 35%, or 50% below Code are eligible for Bonus Incentives.

Projects not meeting all six criteria are not eligible to be considered for Demonstration Project awards, although they will be counted toward Installation Competition Awards.

### Other Project Incentives

The **Qualifying Lighting Technology Bonus** will be paid based on the square footage where the technology is used. Currently, qualified projects using the following lighting technologies will be eligible for the Lighting Technology Bonus:

- High Performance T8 (HPT8) Systems (luminaires incorporating HPT8 energy-efficient T8 ballasts and 32 Watt high lumen lamp). Lamps and ballasts must both be on the Consortium for Energy Efficiency list of qualified products ([www.CEE1.org](http://www.CEE1.org))
- Dimming controls (manual or automatic) and/or occupancy sensors (including wall, ceiling, and fixture mounted)

Any future changes to the Lighting Technology Bonus will be announced in the CLP Newsletter, and updated on the CLP Website ([www.therightlight.org](http://www.therightlight.org))

## Commercial Lighting Program

Lighting Power Allowance (LPA) based on the 2007 Energy Conservation and Construction Code of New York State, less 10%					
Minimums and Recommendations					
Space Type	Lighting Power Allowance (LPA), W/SF		Color Rendering Index (CRI) Required Minimum / Recommendation	Luminous Intensity Should Not Exceed (Candelas)	Light Level Target (Foot Candles)
	SCLP General Lighting Allowance	SCLP Other Lighting			
Auditorium	1.6		80 min.	600	10
Banking Activity Area	1.4	A	80 min.	600	50
Break Room (Dining)	0.8	A	80 min.	600	30
Classroom / Lecture Hall / Training room	1.3		80 min.	600	30
Closet	0.7		N/A	N/A	N/A
Conference / Meeting Room	1.2	A	80 min.	600	30
Convention Hall Multipurpose Area	1.2	A	80 min.	600	30
Corridor	0.8		80 min.	600	5
Dining	0.8	A	80 min.	600	10
Electrical / Mechanical Area	0.7		N/A	N/A	N/A
Examination Room (Medical)	1.1	D	80 min.	600	50
Exercise Area	0.8	A	80 min.	600	50
Exhibition Hall	1.2		80 min.	600	10
Financial Institution	1.4	A	80 min.	600	30
Food Preparation (Kitchen area)	1.1		80 min.	600	50
Grocery Store General Merchandise Area	1.4	C	80 min.	600	50
Gymnasium Playing Area	1.3		80 min.	600	100
Hotel Function Area	1.2	A	80 min.	600	30
Hotel Lobby	1.0	A	80 min.	600	10
Industrial Area <15ft. mounting height and <20ft. ceiling height	1.1		N/A	600	30
Industrial Area >15ft. mounting height and < 20ft. ceiling height	1.1		N/A	N/A	30
Industrial Area >15ft. mounting height and > 20ft. ceiling height	1.5		N/A	N/A	30
Kitchen / Food Preparation	1.1		80 min.	600	50
Laboratory Medical	1.1	D	80 min.	600	50
Laboratory - Industrial	1.1		80 min.	600	50
Library	1.5	A	80 min.	600	30
Lobby - Hotel	1.0	A	80 min.	600	10
Lobby - Waiting Area (Other Buildings)	1.2	A	80 min.	600	10
Mall General Sales Area (see Retail Sales)					
Mall Arcade / Atrium / Concourse	0.5		80 min.	600	30
Manufacturing Area <15ft. mounting height and <20ft. ceiling height	1.1		80 min.	600	50
Manufacturing Area >15ft. mounting height and < 20ft. ceiling height	1.1		80 min.	N/A	50
Manufacturing Area > 15ft. mounting height and > 20ft. ceiling height	1.5		80 min.	N/A	50
Medical and Clinical Care	1.1	D	80 min.	600	50
Multipurpose Room (Meeting Room)	1.2	A	80 min.	600	30
Museum	0.9		80 min.	600	10
Nurses Stations (Medical)	1.1	D	80 min.	600	30
Office, Private (< 300 sq. ft.)	1.0		80 min.	600	50
Office, Open Plan (> 300 sq. ft.)	1.0		80 min.	300	30
Reception Area (Lobby)	1.2	A	80 min.	600	30
Religious Worship	2.2	A	80 min.	600	10
Restaurant	0.8	A	80 min.	600	30
Restroom	0.8		80 min.	600	10
Retail Sales Fine Merchandise Area (Jewelry, fine apparel, accessories, china, or silver)	1.5	C1	80 min.	600	30
Retail Sales General Merchandise Area and Wholesale Showroom*	1.5	C	80 min.	600	30
Shipping Area <15ft. mounting height and <20ft. ceiling height	1.1		N/A	600	30
Shipping Area but >15ft. mounting height and < 20ft. ceiling height	1.1		N/A	N/A	30
Shipping Area > 15ft. mounting height and >20ft. ceiling height	1.5		N/A	N/A	30
Stairs (Support Area)	0.8		80 min.	600	5
Storage - Industrial, Commercial < 15ft. mounting height	0.7		N/A	600	10
Storage - Industrial, Commercial > 15ft. mounting height	0.7		N/A	N/A	10
Theater - Motion Picture	1.1		80 min.	600	10
Theater - Motion Picture, Lobby	1.2	A	80 min.	600	30
Theater - Performance	2.3	A	80 min.	600	10
Warehouse Area < 15ft. mounting height and <20ft. ceiling height	1.1		N/A	600	10
Warehouse Area >15ft. mounting height and < 20ft. ceiling height	1.1		N/A	N/A	10
Warehouse Area > 15ft. mounting height and >20ft. ceiling height	1.5		N/A	N/A	10

NOTE: Fixtures mounted more than 15ft from the floor are not required to meet luminous intensity criteria

Other Lighting Codes:			
A:	plus 0.9 W/SF for Decorative Lighting	C1:	plus 3.5 W/SF for Task/Accent Lighting
C:	plus 1.4 W/SF for Task/Accent Lighting	D:	plus 0.9 W/SF for Medical Lighting

# Project Information Worksheet Fixture Schedule

## Commercial Lighting Program

By completing this fixture schedule and then referring to the appropriate "Fixture Schedule Designation" on the subsequent project worksheet pages, you will not have to re-enter the information for each space. If the same fixture is used with different lamps, you must enter each fixture/lamp combination on a separate line.

Project Name \_\_\_\_\_

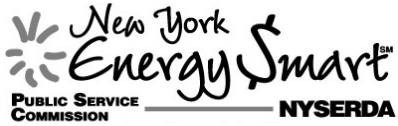
Ally \_\_\_\_\_

If fixture is used with more than one lamp type on the project, enter each fixture/lamp combination on a separate line.																
From Photometric Sheet											From Lamp Catalog					
Fixture Schedule Designation	Ally's Fixture Type	Total # Used for project	Brand	Fixture Catalog Number	Number of Lamps per Fixture	Fixture Description (Do not include # of lamps in Description) (From list below)	Ballast Information None Electronic Magnetic T8 Normal BF T8 High BF T8 Low BF	Fixture Spacing Criteria, Along (0 degrees   )	Fixture Spacing Criteria, Across (90 degrees ⊥)	55 degrees Actual Luminous Intensity Max. Candela (Use for <u>Open Offices only</u> )	65 degrees Actual Luminous Intensity Max. Candela	Lamp Type (From list below)	Watts for a single lamp	Initial Lumens	CRI	
<i>Example</i>	<i>F1</i>	<i>10</i>	<i>xyz</i>	<i>2PFG332xyz</i>	<i>3</i>	<i>2X4 Parabolic</i>	<i>T8 Low BF</i>	<i>1.2</i>	<i>1.5</i>	<i>250</i>	<i>550</i>	<i>T8 linear fluorescent</i>	<i>32</i>	<i>2950</i>	<i>86</i>	
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Fixture Description -- (Do not include # of lamps in Description)		
<ul style="list-style-type: none"> <li>- 2X4 Parabolic</li> <li>- 1X4 Parabolic</li> <li>- 2x2 Parabolic</li> <li>- 2X4 Lensed</li> <li>- 1X4 Lensed</li> <li>- 2X2 Lensed</li> </ul>	<ul style="list-style-type: none"> <li>- Compact Fluorescent surface mount</li> <li>- Linear Fluorescent (wraps, strips, hooded)</li> <li>- Linear Fluorescent direct/indirect pendant (4ft.sect)</li> <li>- Linear Fluorescent direct/indirect ceiling mount</li> <li>- Pendant (such as decorative bowls or chandeliers)</li> <li>- Downlights</li> </ul>	<ul style="list-style-type: none"> <li>- Wall Sconces</li> <li>- Wall Washers</li> <li>- Accent Lights</li> <li>- Cove Lighting</li> <li>- High/Low Bay 20ft. and &gt;</li> <li>- High/Low Bay &lt; 20ft.</li> </ul>

Ballast Information Types
<ul style="list-style-type: none"> <li>- None</li> <li>- Electronic</li> <li>- Magnetic</li> <li>- T8 Normal Ballast Factor</li> <li>- T8 High Ballast Factor</li> <li>- T8 Low Ballast Factor</li> </ul>

Lamp Type	
<ul style="list-style-type: none"> <li>- T8 linear</li> <li>- T5 linear</li> <li>- T5 HO linear</li> <li>- Compact Fluorescent</li> <li>- Halogen</li> <li>- Incandescent</li> </ul>	<ul style="list-style-type: none"> <li>- Induction</li> <li>- Metal Halide Standard &lt; 250W</li> <li>- Metal Halide Standard 250W and &gt;</li> <li>- Metal Halide Pulse Start &lt; 250W</li> <li>- Metal Halide Pulse Start 250W and &gt;</li> </ul>



## Project Information Worksheet

# Building/Space Information

### Commercial Lighting Program

Project Name \_\_\_\_\_

**Type of Building:**

*(Select the type of facility use that most closely resembles the building in which the lighting will be installed.)*

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Automotive Facility | <input type="checkbox"/> Manufacturing           | <input type="checkbox"/> Retail                            |
| <input type="checkbox"/> Courthouse          | <input type="checkbox"/> Medical / Clinical Care | <input type="checkbox"/> Restaurant                        |
| <input type="checkbox"/> Dormitory           | <input type="checkbox"/> Motel                   | <input type="checkbox"/> School                            |
| <input type="checkbox"/> Exercise Center     | <input type="checkbox"/> Museum                  | <input type="checkbox"/> Warehouse Industrial / Commercial |
| <input type="checkbox"/> Fire Station        | <input type="checkbox"/> Office                  | <input type="checkbox"/> Theater - Motion Picture          |
| <input type="checkbox"/> Grocery Store       | <input type="checkbox"/> Post Office             | <input type="checkbox"/> Theater - Performance             |
| <input type="checkbox"/> Hotel               | <input type="checkbox"/> Police Station          | <input type="checkbox"/> Town Hall                         |
| <input type="checkbox"/> Library             | <input type="checkbox"/> Religious Worship       | <input type="checkbox"/> Other (describe) _____            |

**Facility Occupancy Hours/Week (if known):** \_\_\_\_\_ *(Note the total number of hours the lights are usually turned on in the building each week)*

**Type of Spaces:**

*(Use this list to indicate the number of each room type in which the new lighting will be installed.)*

Indicate the number of ***different*** spaces for each space type. If the spaces are exactly the same (i.e., ten examination rooms that are the same size and contain the same exact fixtures), then enter " 1 Examination Rooms." If there are two private offices of different sizes and/or with different fixtures, enter " 2 Offices, Private."

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Auditorium                             | <input type="checkbox"/> Hotel Lobby  | <input type="checkbox"/> Reception Area (Lobby)                            |
| <input type="checkbox"/> Banking Activity Area                  | <input type="checkbox"/> Industrial Area < 20ft. Ceiling Height                 | <input type="checkbox"/> Religious Worship Area                            |
| <input type="checkbox"/> Break Room                             | <input type="checkbox"/> Industrial Area ≥ 20ft. ceiling height                 | <input type="checkbox"/> Restaurant  |
| <input type="checkbox"/> Classroom/Lecture Hal /Training Room   | <input type="checkbox"/> Kitchen / Food Preparation Area                        | <input type="checkbox"/> Restroom  |
| <input type="checkbox"/> Closet                                 | <input type="checkbox"/> Laboratory Medical                                     | <input type="checkbox"/> Retail Sales Fine Merchandise Area                |
| <input type="checkbox"/> Conference/ Meeting Room               | <input type="checkbox"/> Laboratory Industrial                                  | <input type="checkbox"/> Retail Sales General Merchandise Area             |
| <input type="checkbox"/> Convention Hall Multipurpose Area      | <input type="checkbox"/> Library  | <input type="checkbox"/> Shipping (Industrial) Area < 20ft. Ceiling Height |
| <input type="checkbox"/> Corridors                              | <input type="checkbox"/> Lobby Hotel  | <input type="checkbox"/> Shipping (Industrial) Area ≥ 20ft. Ceiling Height |
| <input type="checkbox"/> Dining Area                            | <input type="checkbox"/> Lobby Waiting Area (Other Buildings)                   | <input type="checkbox"/> Stairs (Support Area)                             |
| <input type="checkbox"/> Electrical Mechanical Area             | <input type="checkbox"/> Mall Arcade / Atrium / Concourse                       | <input type="checkbox"/> Storage - Industrial / Commercial                 |
| <input type="checkbox"/> Examination Rooms                      | <input type="checkbox"/> Manufacturing (Industrial) Area < 20ft. Ceiling Height | <input type="checkbox"/> Theaters - Motion Picture                         |
| <input type="checkbox"/> Exercise Area                          | <input type="checkbox"/> Manufacturing (Industrial) Area ≥ 20ft. Ceiling Height | <input type="checkbox"/> Theaters - Motion Picture Lobby                   |
| <input type="checkbox"/> Exhibition Hall                        | <input type="checkbox"/> Medical and Clinical Care                              | <input type="checkbox"/> Theaters - Performance                            |
| <input type="checkbox"/> Financial Institution                  | <input type="checkbox"/> Multipurpose Room (Meeting Room)                       | <input type="checkbox"/> Warehouse Area < 20ft. Ceiling Height             |
| <input type="checkbox"/> Food Preparation / Kitchen Area        | <input type="checkbox"/> Museum   | <input type="checkbox"/> Warehouse Area ≥ 20ft. Ceiling Height             |
| <input type="checkbox"/> Grocery Store General Merchandise Area | <input type="checkbox"/> Nurses Station   |  |
| <input type="checkbox"/> Gymnasium Playing Area                 | <input type="checkbox"/> Office, Private (< 300 sq. ft.)                        |  |
| <input type="checkbox"/> Hotel Function Area                    | <input type="checkbox"/> Office, Open Plan (> 300 sq. ft.)                      |  |

Project Information Worksheet  
**Equipment by Space**

Commercial Lighting Program

Project Name \_\_\_\_\_

Space Type: \_\_\_\_\_  
 Space Name: \_\_\_\_\_  
 (Please provide information on a separate sheet for each different space type.)  
 Number of spaces identical to this space: \_\_\_\_\_  
 (Must be the same size with the same fixture quantities and spacing)

Surface Characteristics

Space Length, feet \_\_\_\_\_ Walls: \_\_\_\_\_  
 Space Width, feet \_\_\_\_\_  Off-white  Cream  Other darker color  
 Ceiling Height, feet \_\_\_\_\_ Ceiling: \_\_\_\_\_  
 Off-white / Acoustic Ceiling  Color other than white

Fixture Information for Space									
Fixture Schedule Designation  (1,2,3, etc.)	Number of Fixtures In This Space  (1,2,3, etc.)	Lamps Per Fixture  (From Fixture Schedule - Repeat information here at your option)	Fixture Description	Actual Installed Spacing between Fixtures (from center to center)		Actual Installed Spacing from Wall (from center of fixture)		Distance From Ceiling for Suspended Fixtures  (inches)	
				Along 0° (feet)	Across 90° (feet)	Along 0° (feet)	Across 90° (feet)		
Example -> 1	50	3	2x4 Parabolic	10.0	12.0	5.0	6.0	18	

Lighting Control Equipment Schedule for Space							
For each control please indicate how many of each type fixture are being controlled in this space	Types of Controls:	Quantity of Controls	Type of Control	Fixture Type 1 Schedule Designation	Quantity connected to control	Fixture Type 2 Schedule Designation	Quantity connected to control
	- Wall-Mounted Occupancy Sensor - Ceiling-Mounted Occupancy Sensor - Fixture-Mounted Occupancy Sensor - Photo-Sensor (daylight dimming) - Manual Dimmer						