



NEW YORK ENERGY \$SMARTSM COMMERCIAL LIGHTING PROGRAM
PROJECT INSTALLATION AND DESIGN INCENTIVE APPLICATION FORM

Section 1. Applicant Information

Business Partner ID#
Business Partner Type: Contractor ESCO Distributor Designer Architect/Engineer Other
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#
E-mail
Business Name of Co-Applicant #2 Contact Name
Co-Applicant #1 Federal Tax ID# Business Partner ID#
E-mail

Section 3. Project Site Information

Building/Project Name Contact Name
Project Address Contact Phone
City State Zip
Electric Utility Provider:
Rochester Gas & Electric New York State Electric & Gas Corp. Con Edison
National Grid Central Hudson Gas & Electric Corp. Orange and Rockland Utilities
Will other NYSERDA Program Building Owner/End User Incentives be applied for under this project? Yes No
If yes, which Program? PON#
Will Utility Program Incentives Building Owner/End User be applied for under this project? Yes No
If yes, which Program? Program ID#

Section 4. Customer 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
New equipment for expanding operation Unexpected fixture replacement
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)
1,000 - 5,000sf: \$500 Design Phase I: \$250
5,001 - 15,000sf: \$750 Design Phase II: \$500
15,001-25,000sf: \$1,000 Design Phase II per sf over 25,000sf (\$0.02 per sf up to 100,000sf)
per sf over 25,000sf (\$0.02 per sf up to 100,000sf) Design Phase II Lighting Technology Bonus (\$0.02 per sf)
Qualifying Lighting Technology Bonus (\$0.02 per sf)
Note: Lighting Technology Bonus Only Applies to Area Affected by the Technology

Section 7. Required Supporting Documentation Checklist

Project Information Worksheets or other authorized documentation of criteria compliance Copy of Utility Bill
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 closet areas are exempt from this criterion, but Business Partners should consider a minimum of 80CRI in all applications when appropriate.

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 Business Partner Design Incentives this criterion is mandatory. For Contractors, Distributors, ESCOs, and "Other" Business Partners 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 CLP Metrics Chart for recommendations). A 20% variance from the minimum light level target is allowed. Refer to the IESNA Lighting Handbook for more information.

Four-Foot T8 Lamps and Ballasts - In all instances where 4ft. T8 lamps are used, the fixtures must include High Performance T8 ballasts and High Performance T8 lamps *or* Reduced Wattage T8 lamps. Both the lamps and ballasts must be on the qualified list posted by the Consortium for Energy Efficiency (www.CEE1.org). The use of standard T8 lamps and/or ballasts will disqualify the project.

Energy Use - The project's total connected lighting load divided by the total area shall not exceed the total lighting power allowance (LPA expressed in Watts / Sq. Ft.) for the project as listed in the CLP Metrics Chart. The lighting power allowance is based on ASHRAE/IES 90.1 - 2007 less 10%.

Controls - Occupancy controls (manual on, automatic off without an "on override") are required in break rooms, conference/meeting rooms, private offices, classrooms, multi-purpose rooms, restrooms, storage areas, and warehouses.

Other Project Incentives

The **Qualifying Lighting Technology Bonus** will be paid based on the square footage where the technology is used up to 100,000sf. Currently, qualified projects using the following lighting technologies will be eligible for the Lighting Technology Bonus:

- Dimming controls (manual or automatic) and/or occupancy sensors (including wall, ceiling, and fixture mounted). Occupancy sensors or installations with occupant readily accessible manual "on" override capability are NOT eligible. Any future changes to the Lighting Technology Bonus will be announced in the CLP Newsletter, and updated on the CLP Website (www.therightlight.org).

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Lighting Power Allowance (LPA) based on the ASHRAE/IES 90.1-2007 less 10%

Minimums and Recommendations

Space Type	Lighting Power Allowance (LPA), W/SF		Color Rendering Index (CRI) Required Minimum	Luminous Intensity **Should Not Exceed (Candelas)	MINIMUM Target Light Levels (Foot Candles)	Occupancy Controls Required in Space Type Effective Date Shown
	CLP General Lighting Allowance	CLP Decorative or Accent Lighting*				
Automotive Service/Repair	0.63	NA	80 min	600	50	
Auditorium Audience Seating Area	0.81	0.90	80 min	600	10	
Banking Activity Area	1.35	0.90	80 min	600	50	
Break Room	0.81	0.90	80 min	600	30	YES
Classroom / Lecture Hall / Training room	1.26	0.90	80 min	600	30	YES
Closet	0.72	NA	N/A	N/A	N/A	
Conference / Meeting Room	1.17	0.90	80 min	600	30	YES
Convention Hall Multipurpose Area	1.17	0.90	80 min	600	30	
Corridor / Transitions	0.45	0.90	80 min	600	10	
Corridor/ Hospital or Medical	0.90	0.90	80 min	600	15	
Courtroom	1.71	0.90	80 min	600	30	
Dining	0.81	0.90	80 min	600	10	
Electrical / Mechanical Area	1.35	NA	NA	NA	NA	
Exam Room / Medical Exam / Treatment	1.35	NA	80 min	600	50	
Exercise Area	0.81	0.90	80 min	600	50	
Exhibit Hall Space	1.17	0.90	80 min	600	30	
Financial Institution	1.35	0.90	80 min	600	30	
Food Preparation	1.08	NA	80 min	600	50	
Grocery Store Retail Sales Area	1.53	0.90	80 min	600	50	
Gymnasium Playing Area	1.26	NA	80 min	600	30***	
Hotel Function Area / General Purpose Area	1.17	0.90	80 min	600	30	
Hotel Lobby	0.99	0.90	80 min	600	10	
Industrial Lowbay Area < 25ft. ceiling height	1.08	NA	NA	600	30	
Industrial Highbay Area ≥ 25ft. ceiling height	1.53	NA	NA	600	30	
Kitchen / Food Preparation	1.08	NA	80 min	600	50	
Laboratory Medical	1.26	NA	80 min	600	50	
Laboratory - Industrial	1.26	NA	80 min	600	50	
Library	1.53	0.90	80 min	600	30	
Lobby - Hotel	0.99	0.90	80 min	600	10	
Lobby - Other Buildings	1.08	0.90	80 min	600	10	
Mall Atrium	0.54	0.90	80 min	600	30	
Mall Concourse	1.53	0.90	80 min	600	30	
Manufacturing Lowbay Area < 25ft. ceiling height	1.08	NA	80 min	600	50	
Manufacturing Highbay Area ≥ 25ft. ceiling height	1.53	NA	80 min	600	50	
Medical Patient Rooms	0.63	0.90	80 min	600	50	
Multipurpose Room - Meeting Room	1.17	0.90	80 min	600	30	YES
Museum - General Exhibition Area	0.90	0.90	80 min	600	10	
Museum - Restoration	1.53	NA	80 min	600	50	
Nurses Stations	0.90	0.90	80 min	600	30	
Office, Private (< 300 sq. ft.)	0.99	0.90	80 min	600	30	YES
Office, Open Plan (≥ 300 sq. ft.)	0.99	0.90	80 min	300 at 55°	30	
Parking Garage - Garage Area	0.18	NA	NA	NA	3	
Reception Area - Lounge	1.08	0.90	80 min	600	30	
Religious Worship - Pulpit and Choir Area	2.16	0.90	80 min	600	30	
Religious Worship - Audience Seating Area	1.53	0.90	80 min	600	30	
Religious Worship - Fellowship Hall	0.81	0.90	80 min	600	30	
Restaurant Dining Area	0.81	0.90	80 min	600	30	
Restroom	0.81	0.90	80 min	600	30	YES
Retail Sales Area - Jewelry, China, or Crystal	1.53	3.78	80 min	600	10	
Retail Sales Area - Furniture, Clothing, Cosmetics, or Artwork	1.53	2.34	80 min	600	30	
Retail Sales Area - Vehicles, Sporting Goods, or Electronics	1.53	1.53	80 min	600	30	
Retail Sales Area - General Merchandise	1.53	0.90	80 min	600	30	
Shipping Lowbay Area < 25ft. ceiling height	1.08	NA	NA	600	30	
Shipping Highbay Area ≥ 25ft. ceiling height	1.53	NA	NA	600	30	
Stairs	0.54	NA	80 min	600	10	
Storage - Active Area	0.72	NA	80 min	600	10	
Storage - Active Area Hospital	0.81	NA	80 min	600	15	
Theater Motion Picture Seating Area	1.08	0.90	80 min	600	10	
Theater Motion Picture Lobby	0.99	0.90	80 min	600	10	
Theater Performing Arts Seating Area	2.34	0.90	80 min	600	10	
Theater Performing Arts Lobby	2.97	0.90	80 min	600	10	
Warehouse Medium-Bulky Storage	0.81	NA	NA	600	15	YES
Warehouse Fine Material Storage	1.26	NA	NA	600	30	YES

* Decorative/Accent Lighting must be on a separate control or switch
 ** NOTE: Fixtures mounted above 15 feet are not required to meet the Glare Control Criteria.
 Qualified High Efficiency Low Glare (volumetric type) fixtures may be used to meet this requirement in any space.
 *** Gym light levels are dependent on IES Class (College, High School, Elementary/Recreational)
 Light Level shown is for elementary or recreational gym.



Fixture Schedule

Effective 08/26/11

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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 Lamp Catalog			
From Photometric Sheet																
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) <small>(From list below)</small>	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 <small>(Use for Open Offices only)</small>	65 degrees Actual Luminous Intensity Max. Candela	Lamp Type <small>(From list below)</small>	Watts for a single lamp	Initial Lumens	CRI	
Example	F1	10	xyz	2PFG332xyz	3	2X4 Parabolic	T8 Low BF	1.2	1.5	250	550	T8 linear fluorescent	32	2950	86	
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																
16																
17																
18																

Fixture Description -- (Do not include # of lamps in Description)		
<ul style="list-style-type: none"> - 2X4 Parabolic - 1X4 Parabolic - 2x2 Parabolic - 2X4 Lensed - 1X4 Lensed - 2X2 Lensed - High Efficiency Low Glare direct/indirect (as defined by the Existing Facilities Program) - Linear Fluorescent High Bay Fixtures 	<ul style="list-style-type: none"> - Compact Fluorescent surface mount - Linear Fluorescent (wraps, strips, hooded) - Linear Fluorescent direct/indirect pendant (4ft.sect) - Linear Fluorescent direct/indirect ceiling mount - Pendant (such as decorative bowls or chandeliers) - Downlights 	<ul style="list-style-type: none"> - Wall Sconces - Wall Washers - Accent Lights - Cove Lighting - High/Low Bay 20ft. and > - High/Low Bay < 20ft.

Ballast information Types
<ul style="list-style-type: none"> - None - Electronic - Magnetic - HPT8 Normal Ballast Factor - HPT8 High Ballast Factor - HPT8 Low Ballast Factor

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



Project Information Worksheet
Building/Space Information
Effective 08/26/11

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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"/> Automotive Service Repair | <input type="checkbox"/> Industrial Lowbay Area < 25ft. Ceiling Height | <input type="checkbox"/> Religious Worship Pulpit and choir Area |
| <input type="checkbox"/> Auditorium Seating Area | <input type="checkbox"/> Industrial Highbay Area ≥ 25ft. ceiling height | <input type="checkbox"/> Religious Worship Audience Seating Area |
| <input type="checkbox"/> Banking Activity Area | <input type="checkbox"/> Kitchen / Food Preparation Area | <input type="checkbox"/> Religious Worship Fellowship Hall |
| <input type="checkbox"/> Break Room (dining) | <input type="checkbox"/> Laboratory Medical | <input type="checkbox"/> Restaurant Dining Area |
| <input type="checkbox"/> Classroom/Lecture Hal /Training Room | <input type="checkbox"/> Laboratory Industrial | <input type="checkbox"/> Restroom |
| <input type="checkbox"/> Closet | <input type="checkbox"/> Library | RETAIL SPACES |
| <input type="checkbox"/> Conference/ Meeting Room | <input type="checkbox"/> Lobby Hotel | <input type="checkbox"/> Jewelry, Crystal, or China |
| <input type="checkbox"/> Convention Hall Multipurpose Area | <input type="checkbox"/> Lobby (Other Buildings) | <input type="checkbox"/> Furniture, Clothing, Cosmetics, or Artwork |
| <input type="checkbox"/> Corridor / Tranisition | <input type="checkbox"/> Mall Atrium | <input type="checkbox"/> Vehicles, Sporting Goods, Electronics |
| <input type="checkbox"/> Corridor for Hospitals and Medical Care | <input type="checkbox"/> Mall Concourse | <input type="checkbox"/> General Merchandise |
| <input type="checkbox"/> Courtroom | <input type="checkbox"/> Manufacturing Lowbay Area < 25ft. Ceiling Height | <input type="checkbox"/> Shipping Lowbay Area < 25ft. Ceiling Height |
| <input type="checkbox"/> Dining | <input type="checkbox"/> Manufacturing Highbay Area ≥ 25ft. Ceiling Height | <input type="checkbox"/> Shipping Highbay Area ≥ 25ft. Ceiling Height |
| <input type="checkbox"/> Electrical Mechanical Area | <input type="checkbox"/> Medical Patient Rooms | <input type="checkbox"/> Stairs (Support Area) |
| <input type="checkbox"/> Exam Room / Medical Exam / Treatment | <input type="checkbox"/> Multipurpose Room (Meeting Room) | <input type="checkbox"/> Storage - Active Area |
| <input type="checkbox"/> Exercise Area | <input type="checkbox"/> Museum - General Exhibition | <input type="checkbox"/> Storage - Hospital Active Area |
| <input type="checkbox"/> Exhibition Hall Space | <input type="checkbox"/> Museum - Restoration | <input type="checkbox"/> Theaters - Motion Picture Seating Area |
| <input type="checkbox"/> Financial Institution | <input type="checkbox"/> Nurses Station | <input type="checkbox"/> Theaters - Motion Picture Lobby |
| <input type="checkbox"/> Food Preparation / Kitchen Area | <input type="checkbox"/> Office, Private (< 300 sq. ft.) | <input type="checkbox"/> Theaters - Performing Arts Seating Area |
| <input type="checkbox"/> Grocery Store Retail Sales Area | <input type="checkbox"/> Office, Open Plan (> 300 sq. ft.) | <input type="checkbox"/> Theaters - Performing Arts Lobby |
| <input type="checkbox"/> Gymnasium Playing Area | <input type="checkbox"/> Parking Garage (Garage Area) | <input type="checkbox"/> Warehouse Area Medium-Bulky Storage |
| <input type="checkbox"/> Hotel Function Area / General Purpose Area | <input type="checkbox"/> Reception Area (Lounge) | <input type="checkbox"/> Warehouse Area Fine Material Storage |
| <input type="checkbox"/> Hotel Lobby | | |



Project Information Worksheet Equipment by Space Effective 08/26/11

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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: - Wall-Mounted Occupancy Sensor - Ceiling-Mounted Occupancy Sensor - Fixture-Mounted Occupancy Sensor - Photo-Sensor (daylight dimming) - Manual Dimmer	Quantity of Controls	Type of Control	Fixture Type 1 Schedule Designation	Quantity connected to control	Fixture Type 2 Schedule Designation	Quantity connected to control
		1	Occ - Wall	1	2	2	3