

Lighting Power Density Worksheet

Project Name:	Sample Project	TEP Account No:	1234567890
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New Construction Lighting Power Density Reduction Incentives

In order for a New Construction Lighting Power Density (LPD) reduction project to be eligible for an incentive, the project must be deemed cost effective. The method used to determine cost effectiveness is called the Societal Cost Test (SCT). All of the information requested in the table below is required to perform the SCT. If the project does not pass the SCT, the incentive will show DNQ (Does Not Qualify). Incentives are calculated at \$0.10/kWh and are capped at a maximum of 75% of the incremental measure cost up to \$75,000 per project per year.

New Construction Lighting Power Density Reduction Submittal Requirements

Submittal Requirements

1. Pre Application:
 - a) A preliminary set of construction documents
 - b) Preliminary ComCheck Interior Lighting Report
2. Final Application
 - a) A signed and sealed set of construction documents
 - b) A final ComCheck Interior Lighting Report
 - c) Invoice(s) indicating the items installed & match the submitted specification sheets.
 - d) Manufacturer's specification sheets for the fixtures installed. Specification sheets should match invoices. A pdf of the fixture submittal package reviewed by the engineering and/or architect meets this requirement.
 - e) A signed and completed Final Application.

Operating Schedule

Enter Operating Schedule and Days Closed Below

					Est Incentive:	\$11,967.90	
Day of Week	Start Time	End Time	Daily Hours	Yearly Data		Building Area SF	Space-by-Space SF
Monday	5:30 AM	6:30 PM	13.00	Holidays Closed per Year	12	54,687	54,687
Tuesday	5:30 AM	6:30 PM	13.00	Weeks Closed per Year	1.71	Baseline KW	ASHRAE/IESNA
Wednesday	5:30 AM	6:30 PM	13.00	Weeks/Year	50.43	86.04	90.1-2004 Allowable LPD
Thursday	5:30 AM	6:30 PM	13.00	Hours/Week	65.0	Proposed KW	1.573
Friday	5:30 AM	6:30 PM	13.00	Hours/Year	3,277.671	49.53	Annual kWh Savings
Saturday			0.00	ASHRAE/IESNA 90.1 Version	2004		119,679.00
Sunday			0.00	Select Calculation Method ==>	Space/Space		kw Savings
			65.0	Select Bldg Type ==>			36.51

Installed Lighting Fixtures (Interior Only)

Fixture Mark	<== Paste ComCheck Here (see instructions)	Fixture Model Description	Fixture Count or Length <== Paste ComCheck Here (see instructions)	Fixture Watts <== Paste ComCheck Here (see instructions)	Total Watts	Interior or Exterior
A2		LITHONIA WGZ48 HC36	3.00	58.00	174.0	Int
A4		LITHONIA FGB24-4-54T5HO	12.00	182.00	2184.0	Int
A6		LITHONIA FGB24-6-54T5HO	95.00	273.00	25935.0	Int
B2		LITHONIA 2AV-G-2-28T5	199.00	58.00	11542.0	Int
B3		LITHONIA 2AV-G-2-28T5	40.00	88.00	3520.0	Int
C2		LITHONIA 2AV-G-2-28T5	21.00	52.00	1092.0	Int
D2		LITHONIA AW-2-28T5	20.00	58.00	1160.0	Int
F1		GOTHAM AFV-26TRT-8AR	20.00	29.00	580.0	Int
G1		LITHONIA LP6FN-13DTT-6LRF73	2.00	16.00	32.0	Int
H1		EUREKA 4234-VDP-CF	3.00	32.00	96.0	Int
HL		EUREKA 4234-VDP-LED9.30	5.00	9.00	45.0	Int
K2		RCL XP-265-4-2L-U	2.00	54.00	108.0	Int
L2		LITHONIA SB-2-28T5	2.00	58.00	116.0	Int
L4		LITHONIA SB-4-28T5	6.00	116.00	696.0	Int
M2		LITHONIA SS-2-28T5	12.00	58.00	696.0	Int
N2		LITHONIA WS-28T5-A12125	2.00	58.00	116.0	Int

ASHRAE/IESNA 90.1-2004 SPACE-BY-SPACE WORKSHEET (OPTIONAL)

Space-By-Space Type	w/sf	Area SF	Watts
Atrium, each additional floor	0.2		
Atrium, first 3 floors	0.6		
Audience, for convention center	0.7		
Audience, for exercise center	0.3		
Audience, for gymnasium	0.4		
Audience, for motion picture theater	1.2		
Audience, for penitentiary	0.7		
Audience, for performing arts theater	2.6		
Audience, for religious building	1.7		
Audience, for sports arena	0.4		
Audience, for transportation	0.5		
Audience, seating area	0.9		
Automotive - Service/Repair	0.7		
Bank/Office - Banking Activity Area	1.5		
Classroom, for penitentiary	1.3		
Classroom, lecture, training	1.4	600.0	840.0
Conference, meeting, multipurpose	1.3	3,300.0	4,290.0
Convention Center - Exhibit Space	1.3		
Corridor, for hospital	1		
Corridor, for manufacturing facility	0.5		
Corridor, transition	0.5	2,051.0	1,025.5
Courthouse/Police/Penitentiary Confinement Cell	0.9		
Courthouse/Police/Penitentiary Courtroom	1.9		
Courthouse/Police/Penitentiary Judge Chambers	1.3		
Dining area / Break Room	0.9	3,455.0	3,109.5
Dining area, for bar lounge/leisure dining	1.4		
Dining area, for family dining	2.1		
Dining area, for hotel	1.3		
Dining area, for motel	1.2		
Dining area, for penitentiary	1.3		
Dormitory - Living Quarters	1.1		
Dressing / Locker / Fitness room	0.6	669.0	401.4
Electrical/mechanical	1.5	867.0	1,300.5
Fire Station Engine Room	0.8		
Fire Station Sleeping Quarters	0.3		
Food preparation	1.2		
Gymnasium/Exercise Exercise Area	0.9		
Gymnasium/Exercise Playing Area	1.4		
Hospital - Emergency	2.7		
Hospital - Exam/Treatment	1.5		
Hospital - Laundry-Washing	0.6		
Hospital - Medical Supply	1.4		
Hospital - Nurse Station	1		
Hospital - Nursery	0.6		
Hospital - Operating Room	2.2		
Hospital - Patient Rooms	0.7		
Hospital - Pharmacy	1.2		
Hospital - Physical Therapy	0.9		

Hospital - Radiology	0.4		
Hospital - Recovery	0.8		
Hotel/Motel Guest Rooms	1.1		
Laboratory	1.4	2,515.0	3,521.0
Library - Card File and Cataloging	1.1		
Library - Reading Area	1.2		
Library - Stacks	1.7		
Lobby, for motion picture theater	1.1		
Lobby, for performing arts theater	3.3		
Lobby, hotel	1.1	618.0	679.8
Lounge, recreation	1.2		
Lounge, recreation for hospital	0.8		
Manufacturing Control Room	0.5		
Manufacturing Detailed	2.1	25,282.0	53,092.2
Manufacturing Equipment Room	1.2		
Manufacturing High Bay >=25ft ceiling	1.7		
Manufacturing Low Bay <25ft ceiling	1.2		
Museum - General Exhibition	1		
Museum - Restoration	1.7		
Office, enclosed	1.1	4,868.0	5,354.8
Office, open	1.1	6,819.0	7,500.9
Parking Garage - Garage Area	0.2		
Post-Office Sorting Area	1.2		
Religious Building - Fellowship Hall	0.9		
Religious Building - Worship Pulpit, Choir	2.4		
Restrooms	0.9	1,401.0	1,260.9
Retail Mall Concourse	1.7		
Retail Sales Area	1.7		
Sports Arena - Court Sports Area	2.3		
Sports Arena - Indoor Playing Field Area	1.4		
Sports Arena - Ring Sports Area	2.7		
Stairs, active	0.6		
Storage, active	0.8	539.0	431.2
Storage, active for hospital	0.9		
Storage, for museum	0.8		
Storage, inactive	0.3		
Transportation - Air/Train/Bus Baggage Area	1		
Transportation - Airport-Concourse	0.6		
Transportation - Terminal Ticket Counter	1.5		
Workshop	1.9	1,703.0	3,235.7
Total:		54,687	86,043.4
		Allowable Watts/SF =	1.573