



Lighting



NEW CONSTRUCTION OR MAJOR RENOVATION LIGHTING REQUIREMENTS

General Requirements

- To qualify for new construction lighting rebates, projects must have an installed Lighting Power Density (LPD) that is at least 20 percent less than the ASHRAE 90.1–2007 Interior Lighting Power Density Allowance
- Rebates are calculated at \$0.20/ watt reduced, and are capped at \$25,000 per building per year
- Building lights must operate at least 1,000 hours annually
- Rebates are also available for qualifying interior lighting control devices, such as: occupancy controls, daylight sensing controls, and advanced lighting control systems

Project Requirements

- Must be a new construction project or major renovation project
- Major renovation is defined as: Removal of the entire existing lighting system and wiring, redesigning of the entire existing lighting systems, and where a licensed professional architect or engineer has prepared and certified building plans and drawings
- Must provide maintained lighting levels in accordance with IESNA recommendations

Technical Requirements

- Wattage reduction may be calculated on a Building-Area basis or the Space-by-Space calculation
- Space-by-Space calculations should only be used when a predefined building type is not listed under the Whole Building Area menu. The total Space-by-Space square footage should account for all lighted areas within the building and be entered under the Partial Building Pathway in the online application tool.

Required Supporting Documentation to Obtain Preapproval

- COMcheck or equivalent document listing equipment info, wattages, and quantities.
- Lighting Floor Plan
- Lighting Fixture Schedule and Legend
- Architectural Cover Page(s) or equivalent document listing square footage

Required Supporting Documentation to Obtain Rebate Payment

- Lighting Submittal Package
 - Manufacturer's Specification Sheets for all equipment specified (manufacturer, model numbers, and wattages)
- Final Payment documentation such as one of the following or its equivalent:
 - Pay Application with summary cost per division
 - Itemized Invoice for electrical/lighting equipment

Other Supporting Documentation to Obtain Rebate Payment

- Certificate of Occupancy
- Updated Construction Documents, when Change Orders have altered the project scope of work from Preapproval Conditions:
 - As-Built Submittals
 - As-Built Lighting Floor Plans
 - As-Built Lighting Fixture Schedule and Legend
 - As-Built COMcheck or total interior wattage calculation



Lighting



GEORGIA POWER ENERGY EFFICIENCY PROGRAM – NEW CONSTRUCTION LIGHTING Rebate Application Requirements for “Whole Building”

About “Whole Building” Rebate Applications

- If building usage type is listed on the table below, then this method should be used. Most applications should use this method. The total lighting wattage and square footage of the building must be entered in the application. Whole Building should also be used for a major renovation project that has changed building usage type and/or has been fully gutted to the building shell.
- Incentive is \$0.20 per watt reduced, and is capped at \$25,000 per building per year.
 - *Based on the difference between the total wattage of new lighting and maximum allowable by ASHRAE 90.1-2007 Energy Code (see Table below).*
- Submit Rebate Applications at: <http://georgiapower.com/commercialsavings>

Equipment Requirements

- Lighting Watts per square foot (W/SF) must be 20% or less than ASHRAE 90.1-2007 Energy Code
- Lights must operate at least 1,000 hours or more (annual operating hours).
- Lighting applications should include interior lighting only (exception: parking garages)

Required Supporting Documentation to Obtain Preapproval

- COMcheck or equivalent document listing equipment info, wattages, and quantities
- Lighting Floor Plan
- Lighting Fixture Schedule and Legend
- Architectural Cover Page(s) or equivalent document listing square footage

Required Supporting Documentation to Obtain Rebate Payment

- Lighting Submittal Package
 - *Manufacturer’s Specification Sheets for all equipment specified (manufacturer, model numbers, and wattages)*
- Final Payment documentation such as one of the following or its equivalent:
 - *Pay Application with summary cost per division*
 - *Itemized Invoice for electrical/lighting equipment*





Lighting



Space Type	ASHRAE 90.1-2007 (W/SF)	Space Type	ASHRAE 90.1-2007 (W/SF)
Auto Facility	0.9	Museum	1.1
Convention Center	1.2	Office	1
Court House	1.2	Parking Garage	0.3
Dining: Bar	1.3	Penitentiary	1
Dining	1.4	Performing Arts	1.6
Dining: Family	1.6	Police/Fire Station	1
Dormitory	1	Post Office	1.1
Exercise Center	1	Religious Building	1.3
Gymnasium	1.1	Retail	1.5
Healthcare Clinic	1	School/University	1.2
Hospital	1.2	Sports Arena	1.1
Hotel	1	Town Hall	1.1
Library	1.3	Transportation	1
Motel	1	Warehouse	0.8
Motion Picture	1.2	Workshop	1.4
Multi-Family	0.7		





Lighting



GEORGIA POWER ENERGY EFFICIENCY PROGRAM - NEW CONSTRUCTION LIGHTING Rebate Application Requirements for “Partial Building”

About “Partial Building” Rebate Applications

- If building usage type is not listed in the “Whole Building” table, then this method should be used. Lighting information for all indoor areas of the new building must be entered in the application. This approach may also be used for a building addition.
- Incentive is \$0.20 per watt reduced, and is capped at \$25,000 per building per year.
 - *Based on the difference between the total wattage of new lighting and maximum allowable by ASHRAE 90.1-2007 Energy Code (see Table below).*
- Submit Rebate Applications at: <http://georgiapower.com/commercialsavings>

Equipment Requirements

- Lighting Watts per square foot (W/SF) must be 20% or less than ASHRAE 90.1-2007 Energy Code
- Lights must operate at least 1,000 hours or more (annual operating hours).
- Lighting applications should include interior lighting only

Required Supporting Documentation to Obtain Preapproval

- COMcheck or equivalent document listing equipment info, wattages, and quantities
- Lighting Floor Plan
- Lighting Fixture Schedule and Legend
- Architectural Cover Page(s) or equivalent document listing square footage

Required Supporting Documentation to Obtain Rebate Payment

- Lighting Submittal Package
 - *Manufacturer’s Specification Sheets for all equipment specified (manufacturer, model numbers, and wattages)*
- Final Payment documentation such as one of the following or its equivalent:
 - *Pay Application with summary cost per division*
 - *Itemized Invoice for electrical/lighting equipment*





Lighting



Space Type	ASHRAE 90.1-2007 (W/SF)	Space Type	ASHRAE 90.1-2007 (W/SF)
Atrium– Each Additional Floor	0.2	Hotel Dining	1.3
Atrium – First Three Floors	0.6	Hotel Lobby	1.1
Audience/Seating Area	0.9	Hotel/Motel Guest Rooms	1.1
Audience/Seating– Convention Center	0.7	Inactive Storage	0.3
Audience/Seating – Exercise Center	0.3	Inactive Storage – Museum	0.8
Audience/Seating– Gymnasium	0.4	Laboratory	1.4
Audience/Seating–Penitentiary	0.7	Library – Stacks	1.7
Audience/Seating – Performing Arts	2.6	Library – Reading Area	1.2
Audience/Seating– Motion Picture	1.2	Library – Card File & Cataloguing	1.1
Audience/Seating– Religious	1.7	Lobby – Hotel	1.1
Audience/Seating– Sports Arena	0.4	Lobby	1.3
Audience/Seating– Transport	0.5	Lobby – Motion Picture Theater	1.1
Automotive– Service/Repair	0.7	Lobby – Performing Arts Theater	3.3
Banking/Office– Banking Activity	1.5	Lounge/Recreation	1.2
Classroom/Lecture/Training Room	1.4	Lounge/Recreation- Hospital	0.8
Conference/Meeting Room/Other	1.3	Mall Concourse	1.7
Convention Center – Exhibit Space	1.3	Mall Sales Area	1.7
Corridor/Transition	0.5	Motel – Dining	1.2
Corridor/Transition–Hospital	1	Museum – General Exhibition	1
Corridor/Transition– Manu Facility	0.5	Museum – Restoration	1.7
Courthouse – Judge’s Chambers	1.3	Office – Open Plan	1.1
Courtroom	1.9	Office – Enclosed	1.1
Dining Area	0.9	Penitentiary– Dining	1.3
Dining Area– Bar/Lounge/Leisure	1.4	Penitentiary– Meeting/Lecture	1.3
Dining Area – Family	2.1	Courthouse/Police Station	0.9
Dining Area – Hotel	1.3	Parking Garage	0.2
Dining Area – Motel	1.2	Post Office – Sorting Area	1.2
Dining Area - Penitentiary	1.3	Religious Buildings– Audience	1.7
Dormitory – Living Quarters	1.1	Religious Buildings– Fellowship	0.9
Dressing/Locker/Fitting Room	0.6	Religious Buildings– Worship	2.4
Electrical/Mechanical Area	1.5	Restroom	0.9
Exercise Area	0.9	Retail Sales Area	1.7
Exhibition Space	1.3	Sports Arena(Court Type)	2.3
Fire Station – Engine Room	0.8	Sports Arena(Indoor Playing)	1.4
Fire Station – Sleeping Quarter	0.3	Sports Arena(Ring Type)	2.7
Food Preparation	1.2	Stairs(Active)	0.6
General Service/Repair	0.7	Storage – Hospital	0.9





Lighting



Gymnasium Play Area	1.4	Storage(Active)	0.8
Hospital Corridor	1	Storage(Inactive)	0.3
Hospital Pharmacy	1.2	Transportation (Air/Train/Bus)	1
Hospital– Emergency	2.7	Transportation(Airport)	0.6
Hospital– Exam/Treatment	1.5	Transportation(Terminal Ticket)	1.5
Hospital– Laundry	0.6	Warehouse Storage(Fine)	1.4
Hospital– Lounge/Recreation	0.8	Warehouse Storage(Medium)	0.9
Hospital– Medical Supply	1.4	Workshop	1.9
Hospital– Nursery	0.6		
Hospital– Nurses Station	1		
Hospital– Operation Room	2.2		
Hospital– Patient Room	0.7		
Hospital– Physical Therapy	0.9		
Hospital– Radiology	0.4		
Hospital – Recovery Room	0.8		