

High Efficiency Commercial Lighting Equipment

Save energy with high efficiency commercial lighting. Incentives are provided to reduce the cost difference between standard efficiency and high efficiency equipment.

People. Power. Possibilities.
Central Hudson
A FORTIS COMPANY



High Efficiency Commercial Lighting Equipment

C&I Prescriptive Lighting

Program Details & Instructions

Central Hudson Gas & Electric's (CHGE) Commercial/Industrial Electric and Gas Programs are designed to help non-residential customers replace aging, inefficient equipment and systems with energy-efficient technologies by providing rebates and technical assistance that will facilitate the installation of premium efficiency equipment.

Details of the program, including rebate levels and technical requirements, are subject to change without prior notice.

Visit [CentralHudson.com/Incentives](https://www.centralhudson.com/Incentives) to review the most current program information, or call 800-515-5353.

Eligible Participants

Rebates are available to non-residential, commercial, industrial, government, institutional and non-profit electric and gas service customers within the CHGE service territory. All applications must be submitted through a participating Trade Ally. Eligible customers must pay into the Systems Benefit Charge.

Eligible Equipment

Eligible equipment and rebate amounts are listed on the following pages of this measure list. These measures are subject to the associated technical eligibility criteria.

All equipment must be new; used or refurbished equipment is not eligible. Equipment and services must be installed after Jan. 1, 2021, through Dec. 31, 2021, or while funding for rebates for this program is still available.

Customers cannot have received incentives from any other programs for the same equipment where a rebate is being requested in this application.

Pre-Approval Requirements

Projects with total rebates less than or equal to \$10,000 do not require pre-approval from CHGE. The applicant must purchase the qualifying equipment and submit a completed application form and supporting documentation within 90 days of the invoice date.

Projects with total rebates greater than \$10,000 require pre-approval from CHGE prior to purchasing and installing any equipment to guarantee rebate availability. After the application has been pre-approved by CHGE, the applicant will be notified in writing, assigned a project identification number, and given any specific instructions. The applicant may then purchase and install the pre-approved equipment.

Terms & Conditions

Please review and sign the program Terms and Conditions on the last page of this application.

Participation Instructions

Step 1

Review program materials to confirm your proposed equipment meets program requirements.

For questions, visit the program website at [CentralHudson.com/Incentives](https://www.centralhudson.com/Incentives) or contact us at 800-515-5353.

Step 2

Trade Allies are directed to visit the Application Center to submit an online application on behalf of their customer. Refer to the Application Checklist on page 11 to verify that all required information and documentation is included for submission to CHGE. Applications not requiring pre-approval should also include proof of purchase in the form of detailed invoices, manufacturer specification sheets or other documentation required to demonstrate compliance with eligibility requirements, and a Federal W9 form completed by the applicant.

All elements of a completed application must be uploaded to the Application Center by a valid Trade Ally. Trade Allies in need of credentials for the online application site should contact CHGEPrograms@icfi.com.

All applications will be reviewed for eligibility and completeness. Completed applications will be reviewed in the order they are received. Applicants who submit incomplete applications will be notified of deficiencies by a flaw letter describing the documentation or information needed to complete the application. CHGE may require a pre-installation inspection. CHGE will notify customers if an inspection of the facility is necessary.

Please indicate if the rebate payment should be made payable to the customer of record or a third party, such as the installation contractor. All rebate payments require authorization from the customer of record.

Step 3

Applications not requiring pre-approval (rebate ≤ \$10,000) will be processed for payment, subject to post-installation inspection.

Applications requiring pre-approval (rebate > \$10,000) will be processed, and CHGE will notify the applicant in writing when the review is complete and funds have been reserved.

Upon receipt of program pre-approval, participants may purchase and install their energy-efficient equipment.

CHGE will notify the applicant if an inspection of the facility is necessary prior to pre-approval.

Any changes in the proposed equipment, quantities or operating conditions must be approved by CHGE prior to implementation.

Step 4

Upon project completion, review the pre-approved application and note any changes to the project that occurred during installation.

Submit the pre-approval letter, with the authorized customer signature, proof of purchase for rebate payment, specification sheets and a completed Federal W9 form.

CHGE will notify applicant if an inspection of the facility is necessary prior to final payment processing.

Heating System Type

Heating system type selection is used in energy savings calculations and is entered in the equipment details of the application. Please use the below table to select the heating system type for the project.

Gas Furnace with A/C	Forced hot air or hydro-air furnace with air conditioning coil.
Heat Pump	Central air source heat pump or mini split ductless heat pump.
Electric Resistance with A/C	Electric resistance heat can be supplied by centralized forced-air electric furnaces or by heaters in each room. Room heaters can consist of electric baseboard heaters, electric wall heaters, electric radiant heat, or electric space heaters with air conditioning.
Electric Resistance Heat Only	Electric resistance heat can be supplied by centralized forced-air electric furnaces or by heaters in each room. Room heaters can consist of electric baseboard heaters, electric wall heaters, electric radiant heat, or electric space heaters without air conditioning.
Gas Furnace or Boiler	Natural gas furnace or hydronic boiler.
Constant Volume without Economizer	A type of heating, ventilating, and air-conditioning (HVAC) system. In a simple Constant Air Volume (CAV) system, the supply air flow rate is constant, but the supply air temperature is varied to meet the thermal loads of a space.
Constant Volume with Economizer	A type of heating, ventilating, and air-conditioning (HVAC) system. In a simple Constant Air Volume (CAV) system, the supply air flow rate is constant, but the supply air temperature is varied to meet the thermal loads of a space. It is an HVAC component that uses outside air, under suitable climate conditions, to reduce required mechanical cooling. When the outside air's enthalpy is less than the required supply air during a call for cooling, an economizer allows a building's mechanical ventilation system to use up to the maximum amount of outside air.
Variable Air Volume with Economizer	Variable Air Volume (VAV) is a type of heating, ventilating, and/or air-conditioning (HVAC) system. Unlike Constant Air Volume (CAV) systems, which supply a constant airflow at a variable temperature, VAV systems vary the airflow at a constant temperature.
Fan Coil w/ Chiller & HW Boiler	A fan coil is a simple device consisting of a heating and/or cooling heat exchanger or coil and fan. It is part of an HVAC system found in residential, commercial and industrial buildings. A fan coil unit is a diverse device sometimes using ductwork, and is used to control the temperature in the space where it is installed, or serve multiple spaces. It is controlled either by a manual on/off switch or by a thermostat, which controls the water to the heat exchanger using a control valve and/or the fan speed.
Steam Boiler	A natural gas fired steam boiler is a device used to create steam by applying heat energy to water.
Chiller—Water-cooled Screw	Chilled water chillers are used to cool and dehumidify air in mid- to large-size commercial, industrial and institutional facilities. Water chillers can be water-cooled or evaporatively cooled.
Oil or Propane Heat	A primary heating source (i.e., furnace, boiler, steam boiler) using propane or oil as its primary fuel.
No HVAC	Specific to unconditioned areas. Most commonly selected for outdoor installations.

Operating Hours

Based on the hours provided below, please select the facility type that best fits the operation hours and task when entering equipment details.

Facility Type	Annual Hours	Facility Type	Annual Hours
Auto Related	2,810	Manufacturing Facility	2,857
Automotive/Transportation Service or Repair Facility (24/7)	8,760	Medical Offices	3,748
Bakery	2,854	Motion Picture Theatre	1,954
Banks	3,748	Multi-Family (Common Areas)	7,665
Church	1,955	Museum	3,748
College – Cafeteria	2,713	Nursing Homes	5,840
College – Classes/Administrative	2,586	Office (General Office Types)	3,013
College - Dormitory	3,066	Parking Garages	4,368
Commercial Condos	3,100	Parking Garages (24/7)	7,717
Convenience Stores	6,376	Parking Lots	4,100
Convention Center	1,954	Penitentiary	5,477
Court House	3,748	Performing Arts Theatre	2,586
Dining: Bar Lounge/Leisure	4,182	Police/Fire Stations (24 Hr)	7,665
Dining: Cafeteria/Fast Food	6,456	Post Office	3,748
Dining: Family	4,182	Pump Stations	1,949
Entertainment	1,952	Refrigerated Warehouse	2,602
Exercise Center	5,836	Religious Building	1,955
Fast Food Restaurants	6,376	Restaurants	4,182
Fire Station (Unmanned)	1,953	Retail	3,463
Food Stores	4,055	School/University	2,187
Gymnasium	2,586	Schools (Jr./Sr. High)	2,187
Hospitals	7,674	Schools (Preschool/Elementary)	2,187
Hospitals/Health Care	7,666	Schools (Technical/Vocational)	2,187
Industrial - 1 Shift	2,857	Small Services	3,750
Industrial - 2 Shift	4,730	Sports Arena	1,954
Industrial - 3 Shift	6,631	Town Hall	3,748
Laundromats	4,056	Transportation	6,456
Library	3,748	Warehouse (Not Refrigerated)	2,602
Light Manufacturers	2,613	Wastewater Treatment Plant	6,631
Lodging (Hotels/Motels)	3,064	Workshop	3,750
Mall Concourse	4,833		

I. C&I PRESCRIPTIVE LIGHTING ELIGIBILITY AND TECHNICAL REQUIREMENTS

General LED Requirements

- LED replacement lamps and LED luminaires must be listed on the DesignLights Consortium® (DLC) or ENERGY STAR® Qualified Products list.
- DLC or ENERGY STAR qualified retrofit kits are acceptable as substitutions for fixture replacements.
- LED measures not listed on this application may be considered under the custom application, provided the measures are DLC or ENERGY STAR qualified products.
- LED lamps purchased through retail channels where Central Hudson Residential Lighting Program discounts are applied at the point-of-sale are not eligible for rebates.
- Replacing existing 8-foot lamps or fixtures with equivalent output 4-foot lamps or fixtures (e.g., two 4-foot lamps for one 8-foot lamp) are eligible when using qualified 4-foot measures being installed.

Requirements for a TLED and LED Mogul Screw-Based Replacement for a High Intensity Discharge (HID) Lamp

- All TLEDs and LED mogul screw-based replacement for an HID lamp, regardless of type or application, must be listed on the DesignLights Consortium® (DLC) qualified product list (QPL).
- If proposing to install TLEDs in existing fixtures using a de-lamping approach (e.g., installing two TLEDs in place of four fluorescent lamps), then standard fluorescent de-lamping technical requirements apply, such as requiring lamp centering and the use of listed retrofit kits.
- Currently, three types of LED fluorescent and HID replacement lamp products are recognized. Specific technical requirements for each variant are listed below.

Type A – Lamps using existing ballast as power supply are excluded from the program.

Type B – Lamps with integral driver; line voltage applied to lamp via lamp-holder.

- Existing ballast must be removed.
- Condition of existing lamp-holders must be verified; replace damaged, corroded, cracked lamp-holders as necessary.
- Label must be installed in fixture indicating that fixture has been retrofitted with LED replacement lamps and that fluorescent or HID lamps should not be installed as replacements.

Type C – Lamps using dedicated external driver

- Existing ballast must be removed.
- Technical specifications for the power supply/driver supplied with the LED replacement lamps must be submitted.

II. C&I PRESCRIPTIVE LIGHTING MEASURES AND REBATES

Measure Code	Measure Description	Min. Watts Reduced	Rebate/Unit	Technical Requirements
LED Integral Replacement Lamps				
100a	LED screw-in lamps	25	\$2/Lamp	<ul style="list-style-type: none"> Installation of type A, PAR, MR, BR, R, G or B integral screw-in lamps to replace medium or candelabra-based incandescent or halogen lamps of similar nominal size Applicant must verify compatibility with existing controls
100b	LED MR11/MR16 lamps, and recessed can/downlight retrofit trim kits	25	\$10/Lamp	<ul style="list-style-type: none"> Installation of type MR halogen lamps of similar nominal size Self-contained recessed can/downlight trim kits may be installed in recessed cans less than 8" in diameter Applicant must verify compatibility with existing controls
LED HID Replacement Lamps				
100c	LED replacement lamps for HID fixtures, replacing 250w and lower	80	\$18	<ul style="list-style-type: none"> Installation of mogul (E39) screw-base LED replacement lamps in HID fixtures (corn cob) Lamps must be listed on either ENERGY STAR or DLC qualified product lists
100d	LED replacement lamps for HID fixtures, replacing HID 251w and higher	180	\$45	
LED Interior Fixtures				
104	Interior LED Recessed, Surface, Track, Pendant downlight fixtures	35	\$15/Fixture	<ul style="list-style-type: none"> Installation of new recessed, surface, pendant or track LED luminaires to replace incandescent, halogen, linear fluorescent or CFL luminaires Applicant must verify compatibility with existing controls Recessed LED can/downlight trim kits qualify under Measure Code 100b
105a	Replacement/retrofit of linear fluorescent T12/T8 (existing 1–2 lamps) fixtures with new LED fixtures, or self-contained LED retrofit kits	20	\$15/Fixture	<ul style="list-style-type: none"> Installation of new LED troffers, panels or similar linear luminaires. Self-contained LED retrofit kits (2x4 LED troffer kits, "array" kits, etc.) are also permitted Applicant must verify compatibility with existing controls Installation of TLEDs qualifies under measure code 111, 115a, or 115b
105b	Replacement/retrofit of linear fluorescent T12/T8 (existing 3–4 lamps) fixtures with new LED fixtures, or self-contained LED retrofit kits	35	\$25/Fixture	
125	LED stairwell fixture containing integrated occupancy control furnished by manufacturer	N/A	\$25/Fixture	<ul style="list-style-type: none"> Installation of self-contained occupancy-based luminaires in stairwell retrofit projects Eligible fixtures contain onboard, factory-furnished occupancy controls and are designed for stairwells and other seldom-occupied spaces Not eligible for lighting control rebates Measure Code 83

II. C&I PRESCRIPTIVE LIGHTING MEASURES AND REBATES

Measure Code	Measure Description	Min. Watts Reduced	Rebate/Unit	Technical Requirements
LED Linear Lamp Retrofit (TLEDs)				
111a	LED 3'-4' T8 Linear Tube Replacement/Retrofit	10	\$2/Lamp	<ul style="list-style-type: none"> One-for-one replacement of fluorescent lamps with TLED lamps Type B or Type C only. Refer to TLED technical requirements Installation of TLEDs in new fixtures does not qualify for rebates; TLED rebates are for the retrofit of existing fixtures only
111b	LED 4' T8 U-Bend Tube Replacement/Retrofit	10		
111c	LED 2' T8 Linear Tube Replacement/Retrofit	8	\$2/Lamp	
111d	LED 4'T5HO Linear Tube Replacement/Retrofit	25	\$3/Lamp	
111e	LED 8' T8 Linear Tube Replacement/Retrofit	15	\$6/Lamp	
Permanent De-lamping LED Linear Lamps				
115a	Permanent De-lamping/Retrofit-LED Linear Tubes (2-3 lamps existing, removing 1)	18	\$10/fixture	<ul style="list-style-type: none"> De-lamping and retrofit of existing linear fluorescent systems with TLED lamps Refer to TLED technical requirements Installation of TLEDs in new fixtures does not qualify for rebates; TLED rebates are for the retrofit of existing fixtures only Luminaires must be permanently de-lamped through the use of UL/CSA-listed retrofit kits specifically for this purpose; lamps must be re-centered in luminaires Light levels may be affected; therefore, de-lamping may not be appropriate for all applications When de-lamping 8-foot fixtures using 4-foot nominal lamps in tandem, total existing and proposed lamp footage will be used as a basis for determining appropriate measure code
115b	Permanent De-lamping/Retrofit-LED Linear Tubes (4+ lamps existing, removing 2+)	40	\$15/Fixture	

II. C&I PRESCRIPTIVE LIGHTING MEASURES AND REBATES

Measure Code	Measure Description	Min. Watts Reduced	Rebate/Unit	Technical Requirements
LED High Bay/Low Bay Fixtures				
106a	New LED High/Low Bay Fixture; replacing existing $\leq 250\text{w}$ HID or $\leq 220\text{w}$ fluorescent	80	\$50/Fixture	<ul style="list-style-type: none"> Installation of LED high/low bay luminaires in place of HID sources or existing linear fluorescent high/low bay luminaires Luminaires must be on DLC QPL as one of the following categories: High-Bay Luminaires for Commercial and Industrial Buildings; Low-Bay Luminaires for Commercial and Industrial Buildings or High-Bay Aisle Luminaires Fluorescent high/low bay luminaires lamped with TLEDs will not qualify for rebates Luminaires must be installed $\geq 15\text{-ft}$ AFF Wattage ranges referenced in the measure descriptions apply to nominal lamp wattage, not system wattage Replacement of existing linear fluorescent fixtures is permitted, provided that minimum wattage reduction requirements are met; the sum of the existing lamp wattage will determine which measure code is applicable Installation of on-board occupancy sensors qualifies for additional rebate under Measure Code 83
106b	New LED High/Low Bay Fixture; replacing existing 251w–400w HID or 221–325w fluorescent	120	\$90/Fixture	
106c	New LED High/Low Bay Fixture; replacing existing $\geq 401\text{w}$ -1000w HID or $\geq 326\text{w}$ fluorescent	180	\$150/Fixture	
LED Exit Signs				
90	LED exit signs	10	\$8/Sign	<ul style="list-style-type: none"> Installation of LED exit signs to replace incandescent or fluorescent sources LED retrofit kits are not eligible
LED Refrigeration Lighting				
95	LED reach-in freezer or cooler lighting	N/A	\$15/Fixture	<ul style="list-style-type: none"> Installation of LED strips to replace T12 and T8 sources in refrigerated display case LED strips must completely replace existing gear Existing channel wiring may be reused, if necessary

II. C&I PRESCRIPTIVE LIGHTING MEASURES AND REBATES

Measure Code	Measure Description	Min. Watts Reduced	Rebate/Unit	Technical Requirements
LED Parking Garage Fixtures				
109a	Exterior LED Parking Garage Fixture or retrofit kit; replacing 150w and lower	50	\$30/Fixture	<ul style="list-style-type: none"> • Installation of LED recessed or surface luminaires in parking garages to replace HID or linear fluorescent luminaires • DLC-listed retrofit kits are acceptable • Installation of on-board occupancy sensors qualifies for additional rebate under Measure Code 83
109b	Exterior LED Parking Garage Fixture or retrofit kit; replacing 151w and higher	80	\$55/Fixture	
LED Exterior Fixtures				
110a	Exterior LED Parking Lot, Gas Canopy, Area, Flood or retrofit kit; replacing 150w and lower	35	\$45/Fixture	<ul style="list-style-type: none"> • Installation of LED parking lot, gasoline canopy, area or flood luminaires to replace HID or incandescent luminaires • DLC-listed retrofit kits are acceptable • Wattage ranges referenced in the measure descriptions apply to nominal lamp wattage, not system wattage
110b	Exterior LED Parking Lot, Gas Canopy, Area, Flood or retrofit kit; replacing 151-250w	50	\$75/Fixture	
110c	Exterior LED Parking Lot, Gas Canopy, Area, Flood or retrofit kit; replacing 251-400w	80	\$90/Fixture	
110d	Exterior LED Parking Lot, Gas Canopy, Area, Flood or retrofit kit; replacing 401w or higher	350	\$110/Fixture	
110e	Exterior LED Wallpack or retrofit kit; replacing 150w and lower	35	\$25/Fixture	<ul style="list-style-type: none"> • Installation of LED Wallpack luminaires to replace HID or incandescent luminaires • DLC-listed retrofit kits are acceptable • Wattage ranges referenced in the measure descriptions apply to nominal lamp wattage, not system wattage
110f	Exterior LED Wallpack or retrofit kit; replacing 151-250w	50	\$55/Fixture	
110g	Exterior LED Wallpack or retrofit kit; replacing 251-400w	80	\$75/Fixture	

III. C&I PRESCRIPTIVE LIGHTING CONTROL MEASURES AND REBATES

Measure Code	Measure Description	Min. Watts Reduced	Rebate/Unit	Technical Requirements
Lighting Controls				
81	Occupancy Control – Wall Switch Replacement	40	\$10/Control	<ul style="list-style-type: none"> • Hardwired wall switch occupancy control; passive infrared, ultrasonic, Microphonic™ or dual technology • Residential grade controls or those with manual on override capability are not eligible
82	Occupancy Control – Ceiling/Wall Mounted	119	\$20/Control	<ul style="list-style-type: none"> • Hardwired or wireless ceiling or wall-mounted remote occupancy control; passive infrared, ultrasonic, Microphonic™ or dual technology
83	Occupancy Control – Fixture Mounted	40	\$15/Control	<ul style="list-style-type: none"> • Hardwired fixture-mounted occupancy controls; passive infrared, ultrasonic, Microphonic™ or dual technology • Controls may be furnished as new equipment by fixture manufacturer or installed on existing fixture(s) as a retrofit measure
86	Daylight Control – On/Off control – standard ballasts	40	\$15/Control	<ul style="list-style-type: none"> • Control must extinguish lamps in response to ambient daylight

IV. APPLICATION CHECKLIST

Trade Allies—Please include the following items when you apply through the Application Center:

- Supporting documentation to include manufacturer's specification (cut) sheets for all equipment.
- Complete application worksheet—for retrofit projects only.
 - Meet measure code eligibility requirements.
 - Upload the completed electronic copy of the worksheet under the files tab of your project in the Application Center.
- Appropriate invoices (if no pre-approval required).
- Signed Customer Acknowledgment (if payment is to the contractor).
- Signed Terms and Conditions.
- A completed Federal W9 form.

CHGE will process applications for payment in the order received and issue incentive payment within 4–6 weeks after project completion and approval.

Applicants will be notified if post-installation inspections are required prior to final payment.

Please note that failure to provide any of the above items may delay the processing of your application.

V. TERMS & CONDITIONS FOR COMMERCIAL CUSTOMERS

1. Equipment and services must be purchased Jan. 1, 2021, through Dec. 31, 2021.
2. Work must be completed by a participating Central Hudson Trade Ally.
3. Incentives are available for residential gas and electric customers of Central Hudson.
4. It is the responsibility of the customer to ensure that all requirements for the rebate are met and that all required documentation is provided.
5. Rebate payments will be based on the equipment purchase date.
6. Failure to provide any of the required information will prevent processing of the application.
7. Central Hudson reserves the right to review the installations in order to ensure compliance with all program requirements. Central Hudson may choose to review locations to verify completion of the projects and to measure and verify energy savings. Such reviews will be made at a time convenient to the applicant, with advanced notice given to the applicant. Misrepresentation of installation location or measure eligibility may result in forfeiture of the incentive award.
8. Program procedures, requirements and rebate levels are subject to change or cancellation without notice.
9. One rebate check will be issued to the customer for each approved and completed application. Where applicable, a separate check will be issued to the contractor for each approved and completed application.
10. Installations must be completed in accordance with all laws, codes and other requirements applicable under federal, state and local authority.
11. The customer is urged to seek appropriate consultation concerning any tax liabilities that could be associated with the receipt of the rebate.
12. The customer verifies that he or she has not received any other incentives from any other state programs for the same equipment for which a rebate is being requested in this form.
13. Central Hudson is entitled to 100% of the energy benefits associated with the rebated measures, excluding the value of energy cost savings realized by the customer.
14. Central Hudson assumes no responsibility for the performance of the equipment and equipment warranty, the quality of the work, labor and/or materials supplied, and/or the acts or omissions of the Trade Ally.
15. The equipment must be purchased new and installed at the above listed customer location.
16. The customer hereby relieves and indemnifies Central Hudson of any and all liability associated with this project.
17. The customer understands that he or she may be contacted by Central Hudson via survey or questionnaire to provide feedback on his or her satisfaction with the program.

By signing this application, the customer agrees to the terms and conditions of this document. The customer hereby consents to the utilization and release of his or her energy consumption data and usage by Central Hudson and/or its designees, including program administrators and evaluation contractors. These administrators and contractors are obligated to Central Hudson to keep customer information confidential. The release and usage of data will be only for program evaluation, program eligibility determination, energy savings purposes and analysis and will be kept confidential.

Customer Name _____ Trade Ally Names _____

Customer Signature _____ Date _____