

The Consolidated Edison Commercial and Industrial Energy Efficiency Program Manual 2022

V 1.0

November 1, 2021

The new rates and conditions found in this revised program manual are effective for completed application packages submitted for the first time as of November 1, 2021. These rates and conditions will remain in effect until a new version is published. Submitted applications will be eligible for the rates and conditions in effect on the date of application to the program.

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1.0 Program Overview & Eligibility

The Con Edison Commercial & Industrial (C&I) Energy Efficiency Program offers incentives for installing energy-efficient electric and gas equipment and technologies. Energy efficiency can help improve the bottom line by reducing energy use and maintenance costs while increasing operating efficiencies. These upgrades can also help protect the environment.

There are two pathways for both gas and electric customers participating in the 2022 program year: the prescriptive path and the custom path. To get started, determine your project's eligibility and path, complete a short application, and speak with one of our dedicated Energy Advisors with any questions about your energy-efficiency project. Once the project is approved and completed, the incentive is mailed to the customer, or directly to the Participating Contractor, with customer approval.

1.1 Program Process

1. CHECK PROJECT AND EQUIPMENT ELIGIBILITY

- All installed equipment must meet or exceed specifications described in this Program Manual.

2. SUBMIT AN APPLICATION PACKAGE

- An application package is required for all custom and prescriptive projects and includes the items listed below. When submitting your application package, please label these documents with the appropriate file names shown here.
 - Completed program application. Applicant name must match name of Con Edison account holder. Filename: Application
 - Customer Proposal/Statement of Work. Include all equipment details related to the proposed measure and a description of the existing system operation. Filename: Statement of Work
 - Con Edison Excel Tool (if your project contains a measure listed in one of our excel tools). Filename: Electric Measure Tool or Gas Measure Tool
 - Cut sheets. Specific model(s) of the measure being used in the project must be highlighted on the cut sheets before submission. Filename: Cutsheet – *[Make - Model #]*
 - Any other measure specific documentation listed in this program manual or in guidance documents specific to the technology (custom projects) or requested to confirm savings calculations. Filename: *[Specify Document Type based on measure-specific requirements]*
 - W-9 of the incentive recipient. W-9 must be latest version available on IRS website. Filename: W9 Form
- Customers: submit applications via email to their Energy Advisor or to Commercial@coned.com with a subject line of **New C&I Application – [Applicant Name]**.
- Participating Contractors: must submit applications via the [Incentive Navigator](#).

3. SIGN PRELIMINARY INCENTIVE OFFER LETTER (IOL)

- You will receive a Preliminary IOL once your project has been reviewed. Please clearly identify a contact person who may be present during the pre-inspection site visit and sign the document. This offer expires in 30 days if not returned to Con Edison.

4. PRE-INSPECTION

- Con Edison will pre-inspect the existing condition of your site. In order to be eligible for incentives work may not begin until this pre-inspection has been completed and a Notice to Proceed has been sent by Con Edison.

5. NOTICE TO PROCEED

After the pre-inspection a review of the project will occur and you will receive a Notice to Proceed which includes an updated incentive offer, indicating project work may begin.

6. INSTALL EQUIPMENT

- The Notice to Proceed allows 90 days to complete your project and submit your completion paperwork. Contact the program team if you think your project will require more than 90 days. The program must be notified in writing in order to approve the extension of this deadline.

7. SUBMIT COMPLETION PAPERWORK

- Submit your completion paperwork as soon as your project is completed. Completion paperwork should only be submitted after 100% of incentivized measures are installed. The completion paperwork includes:
 - Customer and Participating Contractor signed Completion Certificate. Only costs directly related to incentivized measures should be included on the completion form.
 - For prescriptive projects final invoices must be made available upon request. For custom projects, all invoices must be submitted.
 - All itemized final invoices and receipts must be submitted and broken out by product.
 - See the “Project Costs and Invoicing Requirements” section of this manual for invoicing requirements.

8. POST INSPECTION

- Con Edison will inspect the new condition of the site to determine eligible incentives.

9. RECEIVE INCENTIVE PAYMENT

- Once your energy savings and incentives are finalized by the Program team, an incentive check will be mailed to you or your Participating Contractor.

1.2 Incentive Payments

Prescriptive and custom incentives cannot exceed 70% of the customer’s project cost for eligible measure(s) and 100% of each measure cost. Total incentives are capped at \$1,000,000 for electric projects and \$750,000 for gas projects, per account per year. Material and Labor costs submitted are subject to Con Edison review and may be capped for incentive calculations at our sole discretion. See additional invoicing requirements in the “Project Costs and Invoicing Requirements” section of this manual. The W9 submitted must match the name of the payee as indicated on the program application. Participating Contractors on probation may not be allowed to accept incentive payments on behalf of the customer. Participating contractors who are in good standing with the program will be allowed to accept incentive payments on behalf of the customer with prior written approval by the customer.

1.3 Tax Liability

Incentives may be taxable for most taxpayers. If an incentive is more than \$600, it will be reported to the IRS and the customer will be provided with an IRS form 1099, unless the customer has submitted documentation that they are a tax-exempt entity as defined by the IRS. Con Edison is not responsible for any tax liability that may be imposed on any customer as a result of the payment of program incentives. All customers must supply their Federal Tax Identification number to Con Edison in order to receive a Program Incentive. Please consult with your tax professional for information on the tax treatment of the incentives.

1.4 Customer Eligibility

- For electric projects, all customers with a commercial account over 100 kW average peak demand on a rolling 12-month basis are eligible for C&I incentives, excluding Multifamily buildings. Commercial customers between 100-300 kW may also choose to participate with Con Edison through the Small Business (SMB) Program.
- For gas projects, all customers with commercial accounts are eligible except customers with a service class of SC-14 or customers receiving service via a negotiated contract.
- Customer must not have applied for or received an incentive from the New York State Energy Research and Development Authority (NYSERDA), Con Edison or another utility for the same project.
- Project must be in an existing facility (new construction is not eligible for this program).
- Equipment must be installed after customer signs and submits a signed preliminary IOL from Con Edison, allows for a pre-installation inspection, and receives a Notice to Proceed from Con Edison.
- The Con Edison customer of record listed on the application is a directly metered commercial or industrial customer.

1.5 Project Eligibility

In addition to all other requirements, all projects must also meet the following:

- All projects must be completed (all documents received, and project is ready for post inspection) by **November 15, 2022** to be guaranteed for 2022 incentive rates. Incentives for projects completed after this date may be reduced.

1.6 Participating Contractor Eligibility

All Contractors who participate in the Con Edison Commercial and Industrial Program must be approved Participating Contractors and meet the following requirements:

- Complete a Participating Contractor application and submit a project into the C&I program. The Participating Contractor application will not be approved until the associated project is submitted to the C&I program for incentives
- Provide updated IRS W9 form and Certificate of Insurance policy (minimum \$1M) on the participating contractor application
- Attend C&I program training
- Complete at least 1 project in the program annually
- Adhere to the participating contractor participation requirements
- Adhere to program requirements
- Maintain an approved participating contractor status

Only Participating Contractors (PC) in good standing, consistent with the PC participation requirements, will be allowed to accept incentive payments on behalf of the customer.

1.7 Participating Contractor Participation Requirements

The goal of this policy is to verify that projects in the Program meet all Program requirements and customers are left satisfied with their Participating Contractor's performance.

Probation and Expulsion Procedure

Based on the findings of Con Edison quality assurance and quality control activities, the Program will document and inform Participating Contractors of any deficiencies and any corrective actions that need to be taken. Participating Contractors who deliver inconsistent results will be considered for Probation or Expulsion. Program expulsion is defined as the **permanent removal** of the Contractor from the Program. All the privileges of Program participation will be revoked including but not limited to the use of all marketing materials associated with the Program. For more information on the Program's disciplinary policy, please refer to the Commercial and Industrial Program Participating Contractor Agreement, Attachment A.

1.8 Non-Wires Solutions (NWS) Adder Incentives Eligibility

Con Edison offers adder incentives for projects in eligible neighborhoods of Brooklyn and Queens which provide kW demand savings. Customers installing eligible measures may receive an adder incentive in the amount of **\$2000/kW up to 100% of each measure cost, and 100% of the total project cost, including any and all offers through the C&I Energy Efficiency program**. NWS payments will be provided to the project payee in a separate check subsequent to receipt of the C&I Energy Efficiency Program incentive payment.

1.8.1 Prescriptive Incentive Eligibility

Prescriptive measures eligible for the adder incentive are marked in this manual with the term "(NWS Eligible)". Demand savings for these measures are based on the NYS TRM and will receive an NWS adder of \$2,000 per kW saved.

1.8.2 Custom Incentive Eligibility

Projects with custom measures determined to be eligible for the adder incentive are required to sign the NWS Program Agreement and will be subject to additional Measurement and Verification. Additional Terms and Conditions apply specifically to NWS projects. A sample of these Terms and Conditions can be found in the new 2021 [NWS C&I Program Agreement](#).

1.8.3 NWS Network Eligibility

The customer project site must be located in an eligible electric network to qualify. The following neighborhoods are eligible for the NWS adder incentive.

- BQDM Area: Ridgewood, Richmond Hill, and Crown Heights Networks
- Newtown: Borden, Maspeth and Sunnyside Networks

As of summer, 2021, the Water Street neighborhoods are no longer eligible for the NWS adder incentive. The following map shows the eligible network areas of BQDM and Newtown. If you are not sure about your specific eligibility, please contact your energy advisor or send us an email to the C&I inbox commercial@coned.com.



2.0 Eligible Measures and Incentives

All measures and incentives listed below are subject to change at the discretion of Con Edison without prior written notification.

2.1 Lighting Measures: One-for-One Replacement

Prescriptive Incentives for Solid State Lighting Fixtures, Retrofit Kits, and Control Equipment Measures

Any lighting measure not listed below is not presently eligible for incentives under the Con Edison C&I Program. The following are the prescriptive incentives currently offered for LED lighting measures:

- Requirements
 - Upgrading and/or replacing existing LED lamps/fixtures are not eligible for incentives.
 - Fixtures and retrofit kits must be solid-state lighting certified and listed on the Design Lights Consortium (DLC) Qualified Product List (QPL) version 4.0 or later at the time of application in order to be eligible for the program. All documentation of compliance with program requirements must be submitted to Con Edison at the time of application submission.
 - DLC screenshots **must** be submitted to Con Edison with the project application.
 - When submitting equipment specifications, please highlight all information relevant to your project, for example, equipment model numbers, wattage, etc. Doing so will help ensure a more efficient review process.
 - Downlight Fixture Replacements and Retrofit Kits: only Energy Star certification is accepted.
 - Exit signs are not DLC/Energy Star listed but must meet all local building code requirements.
 - Incentives are based on the DLC category of the product installed.
 - Prescriptive lighting is for **one to one replacements** from both a quantity and type perspective and must match the categories below. Projects that do not meet these prescriptive lighting requirements may be eligible for incentives using the Lighting Power Density (LPD) method.
 - Projects that trigger energy code and exceed code requirements are eligible for lighting incentive via LPD method. Note that the prescriptive lighting incentives are NOT offered to projects that trigger the energy code.

2.1.1 One for One Fixture Replacement (NWS Eligible)

DLC/Energy Star Category	Existing Equipment	Incentive Per Fixture
ENERGY STAR Downlights Fixture with Screw-In or Pin-Based Lamps	Screw or Pin Base - Incandescent Fixture ≤60W	\$30
	Screw or Pin Base - CFL Fixture ≤32W	
	Screw or Pin Base - Incandescent Fixture >60W	\$70
	Screw or Pin Base - CFL Fixture >32W	
Track or Mono-point Luminaires	Incandescent Track or Mono Point Luminaires	\$50
Direct Linear Ambient Luminaires Linear Ambient Luminaires w/ Indirect Components	2 Foot 1-Lamp Fluorescent Fixture	\$20
	2 Foot 2-Lamp Fluorescent Fixture	\$30
	4 Foot 1-Lamp Fluorescent Fixture	\$35
	4 Foot 2-Lamp Fluorescent Fixture	\$60
	8 Foot 1-Lamp Fluorescent Fixture	\$70
	8 Foot 2-Lamp Fluorescent Fixture	\$120
1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	1x4 Troffer - 1 Lamp Fluorescent Fixture	\$35
	1x4 Troffer - 2 Lamp Fluorescent Fixture	\$60
	2x4 Troffer - 2 Lamp Fluorescent Fixture	\$60
	2x4 Troffer - 3 Lamp Fluorescent Fixture	\$60
	2x4 Troffer - 4 Lamp Fluorescent Fixture	\$60
2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	Screw or Pin Base Fixtures	\$35
	2x2 Troffer - 2 Lamp Fluorescent Fixture	\$35
	2x4 Troffer Fluorescent Fixture	\$60
2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	2x2 Troffer - 2 Lamp Fluorescent Fixture	\$60
	2x4 Troffer - 2 Lamp Fluorescent Fixture	\$60
	2x4 Troffer - 3 Lamp Fluorescent Fixture	\$70
	2x4 Troffer - 4 Lamp Fluorescent Fixture	\$100

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DLC/Energy Star Category	Existing Equipment	Incentive Per Fixture
High Bay Luminaires for Commercial and Industrial Buildings Low Bay Luminaires for Commercial and Industrial Buildings High Bay Aisle Luminaires	T5 High Bay - 2 Lamp Fluorescent Fixture	\$80
	T5 High Bay - 3 Lamp Fluorescent Fixture	\$120
	T5 High Bay - 4 Lamp Fluorescent Fixture	\$160
	T8 High Bay - 4 Lamp Fluorescent Fixture	\$100
	T8 High Bay - 6 Lamp Fluorescent Fixture	\$120
	T8 High Bay - 8 Lamp Fluorescent Fixture	\$180
	HID Interior Fixture <250W	\$100
	HID Interior Fixture 250W to 399W	\$200
	HID Interior Fixture 400W to 999W	\$300
	HID Interior Fixture ≥1000W	\$300
Bollards Landscape/Accent Flood and Spot Luminaires Architectural Flood and Spot Luminaires	HID Exterior Fixture ≤100W	\$50
	HID Exterior Fixture 101 - 249 Watts	\$150
	HID Exterior Fixture ≥ 250 Watts	\$200

DLC Category	Existing Equipment	Incentive Per Fixture
Parking Garage Luminaires Fuel Pump Canopy Luminaires	HID Parking Garage Fixture ≤100W	\$150
	HID Parking Garage Fixture 101W to 249W	\$200
	HID Parking Garage Fixture ≥250W	\$250
Outdoor Pole/Arm-Mounted Area and Roadway Luminaires Outdoor Pole/Arm-Mounted Decorative Luminaires	HID Pole Fixture ≤100W	\$50
	HID Pole Fixture 101W to 249W	\$120
	HID Pole Fixture 250W to 399W	\$160
	HID Pole Fixture 400W to 999W	\$180
	HID Pole Fixture ≥1000W	\$250
Outdoor Full-Cutoff Wall-Mounted Area Luminaires Outdoor Non-Cutoff and Semi-Cutoff Wall-Mounted Area Luminaires	HID Exterior Wall Pack Fixture ≤100W	\$100
	HID Exterior Wall Pack Fixture 101W to 399W	\$150
	HID Exterior Wall Pack Fixture ≥400W	\$250
LED Exit Sign	Incandescent or CFL Exit Sign	\$20

2.1.2 One for One Retrofit Kit Replacement (NWS Eligible)

DLC Category	Existing Equipment	Incentive Per Retrofit Kit
Retrofit Kit for ENERGY STAR Downlights w. Screw-In or Pin-Based Lamps	Screw or Pin Base - Incandescent Fixture ≤60W	\$15
	Screw or Pin Base - CFL Fixture ≤32W	
	Screw or Pin Base - Incandescent Fixture >60W	\$35
	Screw or Pin Base - CFL Fixture >32W	
Retrofit Kit for Direct Linear Ambient Luminaires Retrofit Kit for Linear Ambient Luminaires w/ Indirect Components	2 Foot 1-Lamp Fluorescent Fixture	\$10
	2 Foot 2-Lamp Fluorescent Fixture	\$15
	4 Foot 1-Lamp Fluorescent Fixture	\$20
	4 Foot 2-Lamp Fluorescent Fixture	\$30
	8 Foot 1-Lamp Fluorescent Fixture	\$40
	8 Foot 2-Lamp Fluorescent Fixture	\$60
Retrofit Kit for 1x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	1x4 Troffer - 1 Lamp Fluorescent Fixture	\$15
	1x4 Troffer - 2 Lamp Fluorescent Fixture	\$25
	2x4 Troffer - 2 Lamp Fluorescent Fixture	\$25
	2x4 Troffer - 3 Lamp Fluorescent Fixture	\$25
	2x4 Troffer - 4 Lamp Fluorescent Fixture	\$25
Retrofit Kit for 2x2 Luminaires for Ambient Lighting of Interior Commercial Spaces	Screw or Pin Base Fixtures	\$15
	2x2 Troffer - 2 Lamp Fluorescent Fixture	\$15
	2x4 Troffer Fluorescent Fixture	\$35
Retrofit Kit for 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces	2x2 Troffer - 2 Lamp Fluorescent Fixture	\$25
	2x4 Troffer - 2 Lamp Fluorescent Fixture	\$25
	2x4 Troffer - 3 Lamp Fluorescent Fixture	\$30
	2x4 Troffer - 4 Lamp Fluorescent Fixture	\$50
Retrofit Kit for High Bay Luminaires for Commercial and Industrial Buildings Retrofit Kit for Low Bay Luminaires for Commercial and Industrial Buildings	T5 High Bay - 2 Lamp Fluorescent Fixture	\$50
	T5 High Bay - 3 Lamp Fluorescent Fixture	\$60
	T5 High Bay - 4 Lamp Fluorescent Fixture	\$70
	T8 High Bay - 4 Lamp Fluorescent Fixture	\$25
	T8 High Bay - 6 Lamp Fluorescent Fixture	\$30
	T8 High Bay - 8 Lamp Fluorescent Fixture	\$40

2.1.3 Refrigerated Display Case Lighting (NWS Eligible)

Lighting applications include refrigerated low and medium temperature open or closed display cases.

Measure	Luminaire Length	Incentive	Unit
Refrigerated Display Case LED Fixture (Low/Med. Temperature)	4 Feet	\$30	Per Fixture
	5 Feet	\$40	Per Fixture

2.1.4 Interior Lighting Controls

- All network lighting control systems and components must be listed with the latest DLC Network Lighting Control QPL.
- Fixture based sensors are incentivized at a rate of one sensor per fixture.

Measure	Application	Eligibility Criteria	Incentive	Unit
Daylight Dimming, Daylight Stepped, or Occupancy (one-for-one fixture replacement)	Interior Spaces	Existing Switched Control Only	\$35	Sensor
Networked Controls (one-for-one fixture replacement)			\$50	Per controlled fixture
Networked Controls (LPD)			\$0.16	Per kWh saved

2.1.5 Fixtures with Bi-Level Lighting Controls (NWS Eligible)

- Qualifying fixtures must be DLC QPL listed LED fixtures.
- The fixture cannot exceed 50% of full wattage during unoccupied periods.
- Must be code compliant with fail safe features for proper lighting requirements.
- This incentive cannot be combined with other lighting incentives.
- Must replace existing non-LED fixture with existing switched control only (i.e., non-dimming)
- Only fixtures installed in the applications listed below qualify

Measure	Existing Condition	Incentive	Unit
Bi-Level Lighting Controls in Stairwells	Any Wattage	\$85	Per Fixture
Bi-Level Lighting Controls in Corridors	Any Wattage	\$50	
Bi-Level Lighting Controls in Parking Garages	≤ 100 Watts	\$180	
	101 - 249 Watts	\$230	
	≥ 250 Watts	\$280	
Bi-Level Lighting Controls in Parking Lots	≤ 100 Watts	\$25	
	101 - 249 Watts	\$75	
	250-399 Watts	\$100	
	400-999 Watts	\$125	
	≥ 1000 Watts	\$150	

2.2 Lighting Incentives for Gut Renovations (NWS Eligible)

The Con Edison C&I Program offers performance-based incentives for applications where the total interior **Lighting Power Density (LPD)** allowance is less than the maximum power allowance as determined by the prevailing NYC energy conservation code (NYCECC) and/or NYS code requirements, as applicable. Incentives for such applications are based on annual kWh savings at a rate of **\$0.25/kWh**. Internal Labor costs will not be included with total project cost when calculating incentive caps. Both Material and Labor costs must be submitted to Con Edison for review and may be capped for incentive calculations at our sole discretion. This measure is available in the electric tool. The LPD incentive is for new fixtures only, lamp replacement is not eligible. To qualify for an LPD incentive, the following supporting documentation must be provided:

- NYC Department of Building filed permit application
- Reflected Ceiling Plans as submitted to NYC DOB (must show total renovated space square footage)
- Lighting Schedule as submitted to NYC DOB
- Cut sheets including technical data and testing laboratory information
- ComCheck analysis (must show watts per square foot)
 - At time of application to the program – submit final ComCheck document signed by the responsible lighting designer, architect, engineer, etc.
 - When submitting completion documents – submit DOB approved ComCheck
- Approved NYC DOB permit (submitted prior to post inspection)
- Note that a pre-inspection for this measure may occur at any time prior to installation of the new lighting equipment, including during or after demolition of the existing equipment has taken place.
- Completed Con Edison Electric Tool

2.3 Heating, Ventilation, & Air Conditioning (HVAC) Measures

The Con Edison C&I Program offers the following incentives for equipment upgrades related to HVAC. Measure categories are based on equipment descriptions listed on the submitted specification sheets.

2.3.1 Unitary AC and Heat Pumps (NWS Eligible)

Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)		Incentive	Unit
Air to Air Heat Pump (Heating - All)	Split System < 5.4 tons	< 65 MBH	EER > 11.8 AND SEER > 14.0 AND HSPF > 8.2		\$200	Ton
	Single Package < 5.4 tons		EER > 11.8 AND SEER > 14.0 AND HSPF > 8.0			
Air to Air Heat Pump (Heating - Electric Resistance or None)	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	EER > 11.0 AND IEER > 12.2			
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	EER > 10.6 AND IEER > 11.6			
	≥ 20 tons	≥ 240 MBH	EER > 9.5 AND IEER > 10.6			
Air to Air Heat Pump (Heating – All Other)	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	47°F db/ 43°F wb outdoor air	EER > 10.8 IEER > 12.0 COP > 3.3		
			17°F db/ 15°F wb outdoor air	EER > 10.8 IEER > 12.0 COP > 2.25		
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	47°F db/ 43°F wb outdoor air	EER > 10.4 IEER > 11.4 COP > 3.2		
			17°F db/ 15°F wb outdoor air	EER > 10.4 IEER > 11.4 COP > 2.05		
	≥ 20 tons	≥ 240 MBH	47°F db/ 43°F wb outdoor air	EER > 9.3 IEER > 10.4 COP > 3.2		
			17°F db/ 15°F wb outdoor air	EER > 9.3 IEER > 10.4 COP > 2.05		

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Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)	Incentive	Unit
Unitary HVAC and Split Air Systems (Heating: Electric Resistance or None)	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	EER > 11.2 AND IEER > 12.9	\$75	Ton
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	EER > 11 AND IEER > 12.4		
	≥ 20 to < 63 tons	≥ 240 to < 760 MBH	EER > 10 AND IEER > 11.6		
	> 63 tons	> 760 MBH	EER > 9.7 AND IEER > 11.2		
Unitary HVAC and Split Air Systems (Heating: All Other)	Split System < 5.4 tons	< 65 MBH	EER > 11.2 AND SEER > 13.0		
	Single Package < 5.4 tons		EER > 11.8 AND SEER > 14.0		
Unitary HVAC and Split Air systems (Heating: All Other)	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	EER > 11.0 AND IEER > 12.7		
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	EER > 10.8 AND IEER > 12.2		
	≥ 20 to < 63 tons	≥ 240 to < 760 MBH	EER > 9.8 AND IEER > 11.4		
	> 63 tons	> 760 MBH	EER > 9.5 AND IEER > 11		

Measure	Type	Size	Eligibility Criteria (Based on ISO conditions)	Incentive	Unit
Water Source Heat Pump (Water to Air) ¹	< 1.4 tons	< 17 MBH	EER > 14 AND COP _H > 4.6	\$160	Ton
	≥ 1.4 tons < 5.4 tons	≥ 17 MBH < 65 MBH			
	≥ 5.4 tons < 11.25 tons	≥ 65 MBH < 135 MBH			

¹ Water Source Heat Pump measures use a prescriptive calculation for energy savings based on the NYS TRM. Please provide an engineering analysis based on the TRM measure available at the DPS site:

<http://www3.dps.ny.gov/W/PSCWeb.nsf/All/72C23DECF52920A85257F1100671BDD?OpenDocument>

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Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)	Incentive	Unit
Packaged Terminal AC (PTAC)	Standard Size	All Capacities	EER > 14.0 – (0.300 x (Cooling Capacity in BTUh/1000))	\$150	Ton
	Nonstandard Size		EER > 10.9 - (0.213 x Cooling Capacity in BTUh/1000)		
Packaged Terminal Heat Pump (PTHP)	Standard Size	All Capacities	EER > 14.0 – (0.300 x Cooling Capacity in BTUh/1000) AND COP > 3.7 – (0.052 x Heating Capacity in BTUh/1000)		
	Nonstandard Size		EER > 10.8 - (0.213 x Cooling Capacity in BTUh/1000) AND COP > 2.9 - (0.026 x Heating Capacity in BTUh/1000)		

Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)	Incentive	Unit
Single-Package Vertical Air Conditioner (SPVAC) ²	Standard Size	All Capacities	EER > 10.0	\$0.45 per kWh saved	
Single-Package Vertical Heat Pump (SPVHP) ²	Standard Size	All Capacities	EER > 10.0 AND COP > 3.0		

² SPVAC and SPVHP are custom measures. Please provide an engineering analysis as described in the custom guidelines at www.coned.com/largecommercial.

2.3.2 Variable Refrigerant Flow (VRF) Systems (NWS Eligible)

Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)		Incentive	Unit
Variable Refrigerant Flow-Air Conditioner ⁴	Multisplit System < 5.4 tons	< 65 MBH	SEER > 14.3			
	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	EER > 12.3 AND IEER > 14.4			
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	EER > 12.1 AND IEER > 14.2			
	≥ 20 tons	≥ 240 MBH	EER > 11 AND IEER > 12.8			
Variable Refrigerant Flow Air to Air & Applied Heat Pump ³ Multisplit System	< 5.4 tons	< 65 MBH	VRF Multisplit System	SEER > 14.3 HSPF > 8.5	\$0.45 per kWh saved	
			47°F db/ 43°F wb outdoor air	EER > 12.1 IEER > 14.2 COP > 3.6		
	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	17°F db/ 15°F wb outdoor air	EER > 12.1 IEER > 14.2 COP > 2.5		
			With heat recovery 47°F db/ 43°F wb outdoor air	EER > 11.9 IEER > 14.0 COP > 3.6		
			With heat recovery 17°F db/ 15°F wb outdoor air	EER > 11.9 IEER > 14.0 COP > 2.5		
			47°F db/ 43°F wb outdoor air	EER > 11.7 IEER > 13.5 COP > 3.5		
	≥ 11.25 to < 20 tons	≥ 135 to < 240 MBH	17°F db/ 15°F wb outdoor air	EER > 11.7 IEER > 13.5 COP > 2.3		
			With heat recovery 47°F db/ 43°F wb outdoor air	EER > 11.4 IEER > 13.3 COP > 3.5		
			With heat recovery 17°F db/ 15°F wb outdoor air	EER > 11.4 IEER > 13.3 COP > 2.3		
			47°F db/ 43°F wb outdoor air	EER > 10.5 IEER > 12.1 COP > 3.5		
	≥ 20 tons	≥ 240 MBH	17°F db/ 15°F wb outdoor air	EER > 10.5 IEER > 12.1 COP > 2.3		
			With heat recovery 47°F db/ 43°F wb outdoor air	EER > 10.2 IEER > 11.9 COP > 3.5		
			With heat recovery 17°F db/ 15°F wb outdoor air	EER > 10.2 IEER > 11.9 COP > 2.3		
			47°F db/ 43°F wb outdoor air	EER > 10.2 IEER > 11.9 COP > 2.3		

³ VRF Air Conditioner, Air to Air & Applied Heat Pumps use a prescriptive calculation for energy savings based on the NYS TRM. Please provide an engineering analysis based on the TRM measure available at the DPS site:

<http://www3.dps.ny.gov/W/PSCWeb.nsf/All/72C23DECF52920A85257F1100671BDD?OpenDocument>

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Measure	Type	Size	Eligibility Criteria (Based on AHRI conditions)		Incentive	Unit
Variable Refrigerant Flow	< 5.4 tons	< 65 MBH	VRF Multisplit System 86°F entering water	EER > 13.2 COP _H > 4.6	\$0.45 per kWh saved	
			VRF Multisplit System with HR 86°F entering water	EER > 13.0 COP _H > 4.6		
Water Sourced Heat Pump ⁴ Multisplit System	≥ 5.4 to < 11.25 tons	≥ 65 to < 135 MBH	VRF Multisplit System 86°F entering water	EER > 13.2 COP _H > 4.6		
			VRF Multisplit System with HR 86°F entering water	EER > 13.0 COP _H > 4.6		
	≥ 11.25 tons	≥ 135 MBH	VRF Multisplit System 86°F entering water	EER > 11.0 COP _H > 4.3		
			VRF Multisplit System with HR 86°F entering water	EER > 10.8 COP _H > 4.3		

⁴ VRF Air Conditioner, Air to Air & Applied Heat Pumps use a prescriptive calculation for energy savings based on the NYS TRM. Please provide an engineering analysis based on the TRM measure available at the DPS site: <http://www3.dps.ny.gov/W/PSCWeb.nsf/All/72C23DECF52920A85257F1100671BDD?OpenDocument>

2.3.3 Gas Seasonal Heating Systems

Measure	Type	Size	Eligibility Criteria	Incentive	Unit
High Efficiency Natural Gas Furnace	All	< 225 MBH	AFUE > 80%, or Thermal Efficiency > 80%	*	Furnace
		> 225 < 300 MBH	Thermal Efficiency > 80%	*	
		> 300 < 500 MBH	Thermal Efficiency > 80%	\$1,500	
		≥ 500 < 1,000 MBH		\$2,500	
		≥ 1,000 MBH		\$5,000	
High Efficiency Natural Gas Hot Water Boiler	Non-Condensing	< 300 MBH	AFUE > 82%	*	Boiler
		≥ 300 < 500 MBH	Thermal Efficiency > 80%	*	
		≥ 500 < 1,000 MBH		*	
		≥ 1,000 ≤ 2500 MBH		\$4,500	
		> 2500 MBH	Combustion Efficiency > 82%	\$10,000	
	Condensing	< 300 MBH	AFUE ≥ 90%	*	
		≥ 300 < 500 MBH	Minimum Thermal Efficiency of 90%	*	
		≥ 500 < 1,000 MBH		*	
		≥ 1,000 ≤ 2500 MBH		\$7,500	
		> 2500 MBH	Minimum Combustion Efficiency of 93%	\$15,000	
High Efficiency Natural Gas Hot Steam Boiler	Natural Draft	< 300 MBH	AFUE > 80%	*	Boiler
		≥ 300 < 1000 MBH	Thermal Efficiency > 77%	*	
		≥ 1000 ≤ 2500 MBH		\$1,000	
		> 2500 MBH		\$7,500	
	All Others	< 300 MBH	AFUE > 80%	*	
		≥ 300 < 1000 MBH	Thermal Efficiency > 79%	*	
		≥ 1000 ≤ 2500 MBH		\$2,500	
		> 2500 MBH		\$10,000	
Infrared Unit Heater	n/a	n/a	Limited to replacing existing natural gas burning non-infrared heating systems. Must be new, low-intensity, infrared gas-fired unit heater.	\$2	Therm

Furnaces and boilers with an asterisk (“”) receive an incentive thru the Midstream Commercial Water Heater Program offered by Con Edison. These boiler sizes are no longer eligible in this program through the normal replacement option. You may qualify for the extended life path. See that section of the manual for details and reach out to our energy advisors.

2.3.4 Chillers (NWS Eligible)

Chiller equipment must be minimally code compliant as outlined below. You may choose Path A (Constant Speed Chillers) or Path B (Variable Speed Chillers), depending on your project's chiller plant design. To qualify for custom early replacement or extended life offerings the guidelines listed at www.coned.com/largecommercial and in the relevant sections in this manual must be followed.

Equipment Type	Size Category	Units	Path A		Path B		Incentive
			Full load	IPLV	Full load	IPLV	
Air cooled, with condenser, electrically operated	<150 tons	EER	>10.100	>13.700	>9.700	>15.800	\$0.45/kWh saved
	≥150 tons		>10.100	>14.000	>9.700	>16.100	
Water cooled, elec. operated, positive displacement, rotary	<75 tons	kW/ton	<0.750	<0.600	<0.780	<0.500	
	75 to <150 tons		<0.720	<0.560	<0.750	<0.490	
	150 to <300 tons		<0.660	<0.540	<0.680	<0.440	
	300 to <600 tons		<0.610	<0.520	<0.625	<0.410	
	≥600 tons		<0.560	<0.500	<0.585	<0.380	
Water cooled, elec. operated, centrifugal	<150 tons	kW/ton	<0.610	<0.550	<0.695	<0.440	
	150 to <300 tons		<0.610	<0.550	<0.635	<0.400	
	300 to <400 tons		<0.560	<0.520	<0.595	<0.390	
	400 to <600 tons		<0.560	<0.500	<0.585	<0.380	
	≥600 tons		<0.560	<0.500	<0.585	<0.380	

2.3.5 Chiller Tune-Up (NWS Eligible)

Chiller tune-ups shall include routine inspection for refrigerant leaks & volume, checking compressor operating pressures, all oil levels and pressures, crank case heater operation, and all electrical starters, contractors and relays, examining all motor voltages and amps, filter inspection and replacement when necessary, and cleaning of the coils or tubes. Additionally, water cooled chiller tune-up shall include chilled and condenser temperature adjustments, and compressor unloading switch adjustments.

- Incentive is available once per 5-year period for each chiller
- This measure is available on Con Edison's Electric Tool

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Measure	Type	Incentive	Unit
Chiller Tune-up	Water/Air Cooled Chillers	\$10	ton

2.3.6 Boiler Tune-Up

This measure applies to gas-fired hot water and steam boilers used for process loads or space heating not covered under 40 CFR Part 63 Subpart 6J708. Tune-up will improve boiler efficiency by cleaning burners, combustion chamber and burner nozzles, adjusting air flow and reducing excessive stack temperatures, adjusting burner and gas input and checking venting, safety controls, and adequacy of combustion air intake. Combustion efficiency must be measured before and after tune-up using a flue gas analyzer.

Measure	Type	Incentive	Unit
Boiler Tune Up	Gas-fired hot water & steam boilers	\$2	Per Therm

2.4 Other Efficiency Measures

2.4.1 Air Compressors (NWS Eligible)

Measure	Type	Existing Condition	Eligibility Criteria	Incentive	Unit
Air Compressor	VSD	Existing, constant speed compressor	15 – 24 Horsepower	\$300	Per HP
			25 – 74 Horsepower		
			≥ 75 Horsepower		
	Variable Displacement		50 – 74 Horsepower		
			≥ 75 Horsepower		

2.4.2 Building Envelope

Measure	Eligibility Criteria	Incentive	Unit
Window Film	Buildings with electric AC and gas heat only.	\$1	Square Foot
Cool Roof	Buildings with electric AC and gas heat only. Existing roof must be exposed to insulation. Areas covered by solar panels, HVAC, bulkheads, skylights etc. are not included in the roof square footage.	\$50	Thousand Square Feet
Other Envelope Measures	Includes window replacement, installation of secondary window systems, wall and roof insulation, or other upgrades to existing building envelope that reduce energy losses.	\$0.68 per kWh \$120 per Mlbs of Con Edison Steam ⁵ \$20 per therm	

⁵ See the eligibility requirements for secondary steam savings to determine if your project is eligible for this incentive, 2.6.5 Secondary Steam Incentives.

2.4.3 Commercial Kitchen Equipment Measures

Measure	Type	Flow Rate	Eligibility Criteria	Incentive	Unit
Pre-Rinse Spray Valve	Low-flow	1.12 GPM	Retrofit only	\$15	Spray valve
Faucet Aerator	Low-flow	1.5 GPM	Retrofit only	\$2	Aerator

2.4.4 Steam Trap Replacement

Replacement and/or repair of failed steam traps is eligible for incentives at the rate indicated below per failed trap for applications meeting the below eligibility criteria. Steam traps must be pre and post inspected by the Program when the traps are in use for confirmation of proper function.

Steam Trap Survey will be incentivized up to 50% of survey cost up to \$5,000. Survey cost invoices should be submitted at the time of application to the program. Survey will only be incentivized if project is completed.

The following applies for this measure:

- A survey for steam trap projects should be completed no more than 6 months prior to applying to the program for incentives.
- During Con Edison pre and post inspection, facility’s steam system must be operating, and facility personnel must be present at time of inspection.
- Any claimed failed trap that is found to be operational during pre-inspection is not eligible for incentives.
- All steam traps claimed failed must be tested by the Contractor that is performing the work via ultrasonic device and tagged for identification purposes. Con Edison will use the Contractor’s tags to identify traps during the pre/post inspection.
- Submit pictures of boiler(s) and associated nameplate(s) ratings. For dual-fuel boilers, you must indicate the percentage of time the boiler runs on gas provided by Con Edison.
- All steam trap projects must be submitted using Con Edison Survey template, available on our website.

Measure	Type	Eligibility Criteria	Incentive	Unit
Steam Trap Replacement/Repair	Space Heating	Low Pressure systems less than 15 (psig) Gage Pressure	\$600	Per Failed Trap
	Non-Space Heating Systems	Up to 3,000 (psig) Gage Pressure		

2.4.5 Pipe Insulation

Installing new pipe insulation on existing bare piping is eligible for incentive at the rates indicated in this section. Repairing damaged insulation is not eligible for incentives.

- This measure is eligible when installed in the following applications:
 - For Space Heating applications, piping must be only in unconditioned spaces
 - For Domestic Hot Water applications, piping must be only for recirculating Hot Water systems
 - Other applications (i.e. Chilled Water, Process Systems, etc.) may be eligible for custom incentives
- Linear pipe insulation projects where insulation is installed on pipes up to 8” pipe diameter will receive the incentive rates indicated in this section. Larger pipe diameter must be submitted as custom analysis
- Pipes that have undergone an asbestos abatement in the past 12 months aren’t eligible for incentives

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- Submit pictures of boiler(s) and associated nameplate(s) ratings. For dual-fuel boilers, you must indicate the percentage of time the boiler runs on gas provided by Con Edison.
- Insulation must be installed in accordance with the NYCECC or NYSECC as applicable, based on pipe diameter.
- All pipe insulation projects must be submitted using Con Edison's Survey template, available on our website. The survey template also accepts inputs for pipe diameters greater than 8" up to 16"

Measure	Service Type	Eligibility Criteria	Incentive	Unit
Linear Pipe Insulation	Steam and Hot Water Heating,	Bare pipe with diameter up to 2"	\$10	Per linear foot of piping.
	Domestic Hot Water	Bare pipe with diameter greater than 2", up to 8"	\$15	
	All	Bare pipe with diameter greater than 8", up to 16"	\$4	Per Therm saved

2.4.6 Variable Frequency Drives (VFDs)

VFDs provide opportunities for energy savings in many motor-driven systems. VFDs coupled with NEMA premium-efficiency motors offer greatly enhanced system control and efficiency. VFDs must be tied to the control system and operate at variable frequencies as determined by the control system. All VFD applications are available at a rate of \$0.19 per kWh for all eligible applications (including custom installations). Eligible applications include:

- Building Exhaust Fans
- Make-up Air Fans
- HVAC Supply and Return Air Fans
- Heating Water Pumps
- Chilled/Condenser Water Pumps
- Water Source Heat Pump Circulating Loop Pumps
- Boiler Feed Water Pumps
- Process Fans and Pumps*
- Variable Speed Domestic Water Booster Pump System*
- Process Machinery*
- Other Processes where system efficiencies are improved by coupling VFDs with motor-driven systems*

The following applications (including custom installations) are not eligible:

- New VFDs replacing existing VFDs
- VFDs installed in fixed speed applications
- VFDs installed in conjunction with HVAC upgrades and/or major alterations that trigger code

Measure	Type	Eligibility Criteria	Incentive	Unit
VFD	All VFD types	New VFDs tied to control system Operating at Variable Frequency	\$0.19	Per kWh

*Customers or Participating Contractors proposing to install non-HVAC, process-related VFD units not detailed in the New York Technical Resource Manual⁶ (“TRM”) must provide additional backup documentation, including pre/post system description, affinity law calculations, and other documentation listed in the Custom Measure Guidelines reference document available on our website.

2.4.7 Elevator Modernization

This measure is available for specific upgrades as identified in Con Edison’s Elevator Modernization Tool, available on our website. Qualifying projects will receive the incentive rate listed below. See the Elevator Modernization Tool for additional eligibility requirements for this measure.

Measure	Incentive	Unit
Elevator Modernization	\$0.25	Per kWh

2.4.8 Building Automation Systems (BAS)

The following is the minimum information required for energy conservation measures (ECM’s) related to building controls.

Measure	Incentive
Building Automation Systems (BAS)	\$0.45 per kWh \$80 per Mlbs of Con Edison Steam ⁷ \$7 per therm

Required Project Documentation

All BAS projects must provide the following documentation.

1. A detailed scope of work that contains all equipment in the proposed measure and includes existing system operation.
 - a. Provide the existing system operation, including unit name, capacity, electrical power requirements, hours of operation, etc.
 - b. Indicate the extent of work to be done. For example, does the scope of work consist of only software/programming upgrades, installation of VFD’s or control sensors?
 - c. Provide a list of all new or modified control points
 - d. Provide both material and labor costs to implement the proposed control strategies
2. Mechanical Equipment Schedule – sequence of operation for equipment
 - a. Schedule should identify mechanical equipment controlled, including Air Handlers, Chillers, Pumps, Cooling Towers, and Heat Exchangers, and associated control parameters, such as capacities, flow rates, and set points. This is to properly determine baseline of equipment
3. The control sequence of operation from the controls vendor describing controlled parameters, such as set point ranges, etc.

⁶ The New York State TRM is available on the Department of Public Service website at <http://www3.dps.ny.gov/W/PSCWeb.nsf/All/72C23DECF52920A85257F1100671BDD?OpenDocument>

⁷ See the eligibility requirements for secondary steam savings to determine if your project is eligible for this incentive, 2.6.5 Secondary Steam Incentives.

4. An engineering analysis of the estimated energy savings based on implementation of the proposed measure. Use the existing system operation as the baseline.
 - a. In cases where a project includes multiple ECMs, the engineering analysis must ensure that energy savings impacts due to each measure do not overlap. For example, if one measure is time of day shutdown, and the next measure is static pressure reset, the baseline energy consumption for the static pressure reset measure shall use the reduced hours of time-of-day shutdown.

2.5 Refrigeration Measures

Refrigeration measures are incentivized at rates listed below. Custom Refrigeration Measure are incentivized at a rate of \$0.19 per kWh saved, except for compressor rack system upgrades which are eligible for the custom incentive rate of \$0.45 per kWh.

2.5.1 Door Gaskets

Door Gasket replacement for reach-in coolers and walk-in freezers.

- Replacing existing, damaged door gaskets in applications including refrigerated low (cooler) or medium (freezer) temperature reach-in cases or walk-in freezers.
- The ratio of damaged length of gasket to total length of gasket must meet or exceed the minimum values listed.

Measure	Temperature	Min. % of damaged length	Incentive	Unit
Reach-in Cooler	> 32 °F	37.3%	\$0.19	Per kWh
Reach-in /Walk-in Freezer	≤ 32 °F	4.9%		

2.5.2 Refrigerated Case Night Covers

Installation of night covers on open, multi-deck cases. Must not replace an existing night cover. Grocery stores operating 24 hours per day are not eligible for energy savings.

Measure	Temperature	Incentive	Unit
Night Cover	Ice Cream (-15° F)	\$0.19	Per kWh
	Low (0° F)		
	Medium (38° F)		

2.5.3 Strip Curtains

This measure is available when installing strip curtains in walk-in coolers or freezers with no existing strip curtain.

Measure	Chilled Storage Area	Incentive	Unit
Walk-in Cooler	< 3,000 ft ²	\$0.19	Per kWh
Walk-in Freezer			

2.5.4 Electronically Commutated (EC) Motors

Replacing existing motors with EC motors for reach-in coolers and walk-in coolers or freezers. Existing motor must be shaded pole or split capacitor type.

Measure	Replacing	Incentive	Unit
Reach-in Cooler	Shaded Pole or Permanent Split Capacitor Motor	\$0.19	Per kWh
Walk-in Cooler/Freezer			

2.5.5 Anti-Condensation Heater Controls: Installation of controls that turn off door heaters in reach-in coolers or freezers when there is low risk of condensation. New heater control must not replace existing heater control. Please input each controller as a separate line item in the electric tool.

Measure	Incentive	Unit
Anti-Sweat Heater Control - Reach-in Cooler or Freezer	\$25	Per door

2.5.6 Evaporator Fan Controls: Installation of controls that turn off evaporator fans in walk-in cooler and freezer applications when the cooler or freezer has reached the desired temperature. New evaporator fan control must not replace existing fan control.

Measure	Incentive	Unit
Evaporator Fan Control - Walk-in Cooler or Freezer	\$0.19	Per kWh

2.5.7 Other Refrigeration Measures

Measure	Incentive	Unit
Refrigerated Case Replacement	\$0.19	Per kWh
Compressor Rack System	\$0.45	Per kWh

2.6 Custom Measures

2.6.1 Performance-Based Incentives

Other energy efficiency upgrades not listed in this document may be eligible for performance-based Custom incentives at the rates listed below. Measures listed in the TRM with complex technologies, unique facility types and processes installed in large facilities are also eligible to receive a custom rate. Final custom measure eligibility, savings and incentives are determined at the sole discretion of Con Edison. All custom projects must submit the following information:

- List of all proposed measures with related technical specifications and estimated savings
- An unlocked spreadsheet (PDFs not accepted) with all equations, parameters and assumption values used to calculate savings
 - All calculations must be clear and transparent utilizing standard engineering methodologies
 - Must list source of values
- Complex energy modeling, including where trade-offs among disciplines are calculated, should use the following software including updates: DOE2.1E, eQuest, EnergyPlus, Trane TRACE 700, Trane TRACE 3D Plus, or OpenStudio.
- All other applicable data and supporting documentation used to calculate savings and/or assumptions

The full list of guidelines for custom measure submission can be found in the Custom Measure Guidelines reference documents at www.coned.com/largecommercial.

Measure	Incentive	Unit
Custom Electric measures	\$0.45	Per kWh
Boiler Outside Air Reset Controls	\$2	Per Therm
TRM measures not listed in this manual	\$2	
Custom insulation for piping, pipe fittings, equipment jackets, and similar equipment.	\$4	
Other Custom Gas measures	\$7	

2.6.2 Early Replacement-Custom

Energy efficiency upgrades for equipment that has not yet reached its Effective Useful Life (EUL) are able to apply for the Early Replacement incentive. **In this category, the measure is eligible for maximum energy savings and incentives. Energy savings are based on the existing equipment efficiency and operating conditions.** Early Replacement energy efficiency upgrades may be eligible for performance-based Custom incentives at custom measure rate. Final custom measure eligibility, savings and incentives are determined at the sole discretion of Con Edison.

Projects applying for incentives using the Early Replacement path are required to satisfy any measure eligibility criteria identified in other sections of this manual as applicable. For example, a project involving the installation of a new chiller must meet all of the program eligibility requirements for chillers in addition to the requirements listed in this section.

In addition to required program documentation, all Early Replacement projects must submit the following information:

- List of all proposed measures with related technical specifications
 - Please provide a brief write-up of the existing equipment and its operation parameters
- Documented proof of equipment installation date
- At the time of application, the existing equipment cannot exceed its Effective Useful Life (EUL) and should have at least 1 year of its EUL remaining
- The existing equipment must be fully functioning
- Calculated energy savings and cost of upgrading existing equipment to energy efficient equipment
- Calculated energy savings and cost of upgrading NYC code compliant equipment to energy efficient equipment
 - All calculations must be in unlocked spreadsheet (PDFs not accepted) with all equations, parameters and assumption values used to calculate savings
 - All calculations must be clear and transparent utilizing standard engineering methodologies
 - Must list source of values
- All other applicable data and supporting documentation used to calculate savings and/or assumptions
- Any other documentation requested by Con Edison for calculation of savings

Detailed guidelines for early replacement measure submission can be found in the custom measure guidelines reference documents at www.coned.com/largecommercial.

2.6.3 Extended Life-Custom

Energy efficiency upgrades for equipment that has surpassed its Effective Useful Life (EUL) are able to apply for the Extended Life incentive. **In this category, the measure is eligible for maximum energy savings and incentives. Energy savings are based on the existing equipment efficiency and operating conditions.** Extended Life energy efficiency upgrades may be eligible for performance-based Custom incentives at the custom measure rate. Final custom measure eligibility, savings and incentives are determined at the sole discretion of Con Edison.

Projects applying for incentives using the Extended Life path are required to satisfy any measure eligibility criteria identified in other sections of this manual as applicable. For example, a project involving the installation of a new chiller must meet all of the program eligibility requirements for chillers in addition to the requirements listed in this section.

In addition to required program documentation, all extended life projects must submit the following information:

- Documented proof of existing equipment installation date (or age). Existing equipment must exceed its EUL by at least 25%.

OR If the age of the existing equipment cannot be determined relative to 125% of its EUL, then existing equipment energy consumption must exceed that of the new high efficiency model by at least 35% for chillers, and 20% for all other measures to do the same amount of work.

- The existing equipment must be fully functioning.
- Documentation provided by customer showing significant repairs and/or component replacement to keep equipment in operation instead of replacing entire unit.
 - It is required to provide at least 3 years of all repairs
- List of all proposed measures with related technical specifications
 - Please provide a brief write-up of the existing equipment and its operation parameters
- Calculated energy savings and cost of upgrading existing equipment to energy efficient equipment
- Calculated energy savings and cost of upgrading NYC code compliant equipment to energy efficient equipment
 - All calculations must be in unlocked spreadsheet (PDFs not accepted) with all equations, parameters and assumption values used to calculate savings
 - All calculations must be clear and transparent utilizing standard engineering methodologies
 - Must list source of values
- All other applicable data and supporting documentation used to calculate savings and/or assumptions
- Any other documentation requested by Con Edison for calculation savings

Detailed guidelines for extended life measure submission can be found in the Custom Measure Guidelines reference documents at www.coned.com/largecommercial.

2.6.4 New Technology

Submission of projects deemed as new technology must provide a full custom analysis and additionally provide the following:

- Manufacturer claimed savings as a percentage range
- Information on adoption by other utility energy efficiency programs (provide links or resources to verify)
- Reliable 3rd party studies on energy savings potential
- Product literature such as diagrams or videos showing how the product works
- Summer baseline metered or trended data
- Any additional information requested by Con Edison

Projects are accepted based on a Con Edison review of the technology and may be approved, rejected, or requested to participate in additional measurement and verification before being offered incentives. The approval of savings and incentives for new technologies is at the discretion of Con Edison and may be changed at any time.

2.6.5 Secondary Steam Incentives - Custom

The Program offers incentives to projects that reduce **both** electricity and district steam provided by Con Edison. Such projects may receive incentives for the reduction of Secondary Steam. Secondary Steam savings are defined as steam savings achieved by a measure that primarily reduces electric energy use.

To qualify for Secondary Steam incentives, a project must:

1. Have an eligible Con Edison electric account
2. Have active Con Edison steam service
3. Install one of the eligible measures. Measure must save both Con Edison electric energy and Con Edison steam energy

The following measure/project types do not qualify for incentives:

1. Measures that save only Con Edison steam are not eligible for this program
2. Projects must not include installation of space heating and domestic hot water equipment fueled by gas, steam, or other delivered fuel

The following measures are eligible for secondary steam incentives:

1. Envelope upgrades to existing buildings that reduce the building cooling and heating loads. See section *2.4.2 Building Envelope* for secondary steam incentives associated with envelope upgrades.
2. Building Automation Systems (BAS) that reduce both Con Edison electricity and Con Edison steam consumption. See section *2.4.8 Building Automation Systems (BAS)* for secondary steam incentives associated with BAS measures.

3.0 Project Costs and Invoicing Requirements

Material and Labor costs submitted to the program are subject to Con Edison review and may be capped for incentive calculations at our sole discretion. Internal labor costs will not be included with total project cost when calculating incentive caps. When submitting invoices with completion certificates, customers must provide Con Edison with detailed invoices identifying the following:

- Include references to the project, including project's address, and relate to the items listed in the scope of work that was approved by the program. Changes to approved scope of work must be submitted to the program team for approval
- Equipment installed (Make/Model Number): This is required to verify the equipment installed qualifies for Con Edison incentives.
- Quantity, purchase and delivery date of equipment installed: This is required to verify the quantity of equipment installed aligns with the Con Edison Program application.
- Itemized labor and material costs for all installed equipment: This is required to verify individual costs.
- The final invoice provided to Con Edison must be the same invoice the customer is receiving and match the Certificate of Completion.
- Unless otherwise specified, project cost is limited to the equipment cost and labor cost. Other costs such as taxes, internal labor costs, shipping, training, engineering, surveying, admin costs, or similar costs will not be included with total project cost when calculating incentive caps.
- Each line item must include a brief description. For example, include the equipment tag for an air handler as "AHU 13B", as well as make and model number.
- If a Participating Contractor is receiving incentives on behalf of a customer, a line item stating "Con Edison Incentive Credit" with an invoice credit must be documented on the invoice. The invoice credit must reflect the same incentive amount the customer would receive had they completed the submission themselves for the same project.
- In the event a custom project submitted for incentives is a portion of a larger-scope, the customer will provide invoice(s) that clearly outline the specific project description and costs that is being applied to the project in the program.

4.0 Program Manual Updates

The following is a summary of sections updated in this version of the manual. Review the entire manual to ensure your project is eligible for the program.

Section	Summary of Revisions
1.5 Project Eligibility	Updated installation deadline for the 2022 program year.
2.1.5 Fixtures with Bi-Level Lighting Controls (NWS Eligible)	Added clarifying language. Must replace existing non-LED fixture with existing switched control.
2.4.2 Building Envelope	Updated to show new incentives for “Other Envelope Measures”. Added secondary steam savings for “Other Envelope Measures”.
2.4.6 Variable Frequency Drives (VFDs)	Clarified requirements for additional documentation, including pre/post system description, affinity law calculations, etc.
2.4.8 Building Automation Systems (BAS)	Added new section for BAS, incorporating prior 1-pager available on program website. Added secondary steam savings for BAS projects
2.6.1 Performance-Based Incentives	Updated acceptable energy modeling software to include Trane Trace 3D Plus.
2.6.5 Secondary Steam Incentives	Added new section for Secondary Steam savings, project and measure eligibility.
5.0 Terms and Conditions	Updated program expiration date to December 31, 2022.

5.0 Terms and Conditions

ELIGIBILITY: Consolidated Edison Company of New York, Inc.'s (Con Edison's) Commercial and Industrial Efficiency Program offers incentives to directly metered electric and gas nonresidential customers in good standing and as described in the Program Manual. Incentives are available to property owner/lease holder (tenant)/property manager for the purchase and installation of energy-efficiency measures at the location where the qualifying project is to be installed. Con Edison will not offer financial incentives for the same eligible measure to those customers who have received financial incentives or rebates from the New York State Energy Research and Development Authority (NYSERDA) and/or another electric or gas utility company. Accordingly, customer represents and warrants to, and covenants and agrees with, Con Edison that it has not received and will not receive any financial incentive or rebate from any other person or entity with respect to the measure(s) identified in this Application and in any Preliminary Incentive Offer or Notice to Proceed issued by Con Edison in connection herewith.

QUALIFYING PROJECTS: Qualifying projects are projects eligible for program incentives that include electric or gas energy-efficiency measures identified as eligible and site-specific custom energy-efficiency measures approved by Con Edison. Qualifying projects do not include any electric or gas energy-efficiency measures or energy-efficiency equipment or services purchased, contracted for, or installed prior to the date of Con Edison's Preliminary Incentive Offer, the date of any required pre-installation inspection or the date of customer's receipt of a Notice to Proceed.

FINANCIAL INCENTIVES: The basis for determining the amount of the financial incentive for which qualifying projects are eligible are set forth in the New York Standard Approach for Estimating Energy Savings from Energy Efficiency Measures in Commercial and Industrial Programs, as in effect from time to time. Con Edison's determination of incentive amounts is final.

APPLICATION AND WORKSHEETS: Eligible customers must submit completed applications and other required documentation as described elsewhere in this application for all proposed qualifying projects. Electronic signatures will have the same force and effect as original signatures.

APPLICATION REVIEW AND INSPECTION: Con Edison will review all applications and accompanying documentation for eligibility, completeness, and accuracy. As part of this review, Con Edison may conduct an on-site inspection of a facility's existing equipment and systems. After completing review of the application and determination of eligibility, Con Edison will send a Preliminary Incentive Offer to each qualifying customer accepted for the program, specifying the estimated incentive amount. The customer must sign and return the Preliminary Incentive Offer that includes an estimated project end date. If any proposed project does not meet program requirements, Con Edison will notify the customer that its Preliminary Incentive Offer has been rejected. To be eligible for an incentive, a customer must receive and counter-sign a Notice to Proceed from Con Edison, and any required pre-installation inspection must be completed, before customer orders, purchases, or installs qualifying equipment. Con Edison reserves the right to reject any estimates. Customer understands that the estimated incentive amount identified in any Notice to Proceed is an estimate only and may not reflect the actual amount payable to customer upon completion of a qualifying project.

INSTALLATION TIME LIMITS: Installation time limits will be stated in the Notice to Proceed. Any changes to specified time limits must be requested in writing and agreed to by Con Edison in writing. Failure to meet approved deadlines may result in denial of incentive payments. Con Edison may elect to conduct pre- and/or post-installation inspections.

FINAL INSPECTION AND INCENTIVE PAYMENT: When installation is completed, customers must notify Con Edison in writing and submit invoices specifying the quantity and cost of all materials purchased and installed, the date ordered, the date purchased, the date delivered, installation costs, and applicable taxes. Con Edison, in its sole discretion, may schedule and conduct a post-installation inspection. The actual incentive amount will be determined based upon the inspection and may vary from original estimates. Incentive checks will be sent approximately six weeks after receipt of all proper invoices and verification of all installations. Checks will be payable directly to the Con Edison account holder unless otherwise indicated in the Payee Authorization section of this application. Customer agrees that Con Edison may provide customer information including customer name, account number, electric and/or gas consumption data, and electric and/or gas energy savings to its third-party evaluation contractor for program evaluation purposes. The evaluation contractor will keep customer information confidential. Customer information may also be provided to the New York State Public Service

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Commission. Any customer information provided to the New York State Public Service Commission will be aggregated with information about other customers and not personally identifiable.

TAX LIABILITY and CREDITS: Con Edison is not responsible for any taxes which may be imposed on the customer or business as a result of projects installed under this program. The incentive check recipient may want to consult a tax advisor about any tax consequences of this offer. The incentive check recipient must provide a valid federal tax ID number and a W-9 form.

REMOVAL of EQUIPMENT: The applicant agrees, as a condition of participation in the program, to remove and dispose at its sole cost and expense any and all equipment or materials that are replaced or removed in accordance with all applicable laws, rules, and regulations.

DISPUTES: Con Edison will have sole discretion to decide on the final resolution of any issues including but not limited to energy savings, projects, eligibility, or incentives.

PROGRAM CHANGES: Con Edison reserves the right to change, modify, or terminate this program at any time without any liability except as expressly stated herein. Con Edison will honor all written commitments made in the Notice to Proceed sent to customers prior to the date of any change, modification or termination of this program, provided that project installations are fully completed within the time specified in the Preliminary Incentive Offer and Notice to Proceed.

PROGRAM EXPIRATION: This program will expire **December 31, 2022**, when funds are depleted, or when the program is terminated, whichever occurs first or as determined by program management.

DISCLAIMER: Customer acknowledges and agrees that Con Edison shall not be liable to customer or any other person or entity in connection with any qualifying project undertaken by customer, including in connection with Con Edison's review or approval of this application and/or worksheets. Con Edison makes no representation or warranty, and undertakes no responsibility whatsoever concerning the adequacy of any project design or plan, any construction or installation work, the completion of any project or the performance of any energy efficiency measures or equipment. To the fullest extent permitted by law, customer, on behalf of itself and any other person or entity claiming by and through customer, hereby irrevocably and unconditionally releases and forever discharges, and agrees to defend, indemnify, and hold harmless Con Edison, its affiliates, and their respective past, present and future officers, directors, trustees, stockholders, employees, agents, representatives, successors and assigns, from any and all claims, charges, complaints, causes of action, damages, losses, agreements and liabilities of any kind or nature arising from the design, installation or performance of any energy efficiency measure or equipment purchased or installed in connection with the program (including without limitation, claims for personal injury, death or property damage) or related to energy costs incurred by customer, including, without limitation, attorneys' fees, court costs and costs of experts. Accordingly, Con Edison, its representatives recommend that all customers consider engaging qualified engineers or other qualified consultants to evaluate the risks and benefits, if any, of such implementation and use on energy consumption, cost savings, or operation of customers' facilities.

INSTALLATION REQUIREMENTS: Customer assumes sole responsibility for installation work. Customer acknowledges that all work must be in full compliance with the requirements of applicable laws, rules, and regulations of authorities having governmental and regulatory jurisdiction.