

2026 **Multifamily** Program Catalog

Consumers Energy

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The Consumers Energy Multifamily Program provides an array of electric and natural gas incentives for multifamily customers who upgrade their facilities with energy efficiency equipment. When you purchase and install qualifying energy efficient products, you can save energy and save money while helping to create a sustainable environment. This application will guide you through the required steps to apply for an incentive. Please review the program policies and guidelines as outlined in the 2026 Incentive Specifications before purchasing or installing any equipment to determine eligibility requirements. Thank you for your interest in the Consumers Energy Multifamily Program. If you need assistance, please contact the Program Team at 877-813-9617.

Consumers Energy
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Have questions?

Call **877-813-9617** or email **CEMultifamily@cmsenergy.com**.

Program Overview

Program Overview....4
Direct Install Offering....5
Additional Offerings....6
Terms and Conditions....7
Incentive Caps & Limits....8

Applications and Worksheets

How to Apply....9
Incentive Application....12
Final Application Agreement....13

Lighting Incentives and Specifications

Lighting Incentives and Specifications....14

Water Incentives and Specifications

Water Incentives and Specifications....19

HVAC Incentives and Specifications

Mechanical Incentives and Specifications....21

Building Envelope Incentives and Specifications

Building Envelope Incentives and Specifications....25

Custom Incentives

Custom Incentives....26

Appendices

Appendix A: Income Qualified Measure Appendix....28
Appendix B: In-Unit Tally Sheet....29
Appendix C: Common Area Tally Sheet....30
Appendix D: New Construction Lighting Power Density Measure Form....31
Appendix E: Boiler Tune-Up Checklist....32
Appendix F: Sample Steam Trap Survey Form....33
Appendix G: ASHP Tune-Up Checklist....34
Appendix H: Furnace Tune-Up Checklist....35
Appendix I: Consumers Energy Multifamily Default Wattage....36











Program Overview

About This Program

We're offering a set of incentives under the Consumers Energy Multifamily Program to facilitate implementation of cost-effective energy efficiency improvements for qualifying multifamily customers. This is a multiyear program with a limited annual budget. Applications will be processed until allocated funds are reserved or spent each program year.

Customer Eligibility

A multifamily customer is defined as a facility with three or more units per building. A facility is defined as a contiguous property for which a customer is responsible for paying the Consumers Energy electric and/or natural gas bill. These units must be considered the primary residence of the resident. Incentives may be taxable and the applicant is solely responsible for payment of any resulting taxes. The amount of incentives a facility or customer may receive per program year is limited (see incentive caps and limits section).

The Consumers Energy Multifamily Program Team will review project eligibility and reserve program funds. A reservation does not guarantee an incentive. Incentives will be calculated based on the Final Application. Project funds will be reserved for 90 days.

Properties that Qualify as Multifamily:

- Apartment Communities
- Condominiums
- Dormitories
- Senior Apartments
- Assisted Living Centers
- Fraternity/Sorority House

Properties that DO NOT Qualify as Multifamily:

- Prisons
- Jails
- Correctional Facilities
- Hospitals
- Mental Health Institutions

Effective Dates

The Consumers Energy Multifamily Program offers incentives for the 2026 program year until funds are exhausted or until Nov. 30, 2026, whichever comes first. All projects must be completed and Final Applications received no later than Nov. 30, 2026 to be eligible for the 2026 program incentives.

Prescriptive Incentives

Prescriptive incentives are available for energy efficiency equipment upgrades and improvements including: in-unit, common area and building envelope retrofits. Incentives are paid based on the quantity, size, and the efficiency of the equipment. Full details of the measures, incentive amounts, and equipment specifications are detailed in this catalog.

Custom Incentives

Custom incentives are available for less common or unique energy saving measures installed in qualified retrofit and equipment replacement projects that are not covered by the prescriptive incentive portion of the program. Custom incentives are paid based on the first-year energy (kWh or MCF) savings. Applicants have the option to apply for a custom incentive for projects that involve an integrated solution with both prescriptive and custom incentives. Custom incentives include measures that result in a reduction in electric and/or natural gas energy use because of an improvement in system efficiency (i.e., a net decrease in energy use without a reduction in the level of service).

The applicant must provide sufficient supporting project information, including but not limited to, a project summary, equipment performance data, operations assumptions, measurements, and calculations to support the energy-savings estimates. Eligibility of a project is solely within the discretion of Consumers Energy. The simple payback period for custom incentives must be between one and fifteen years. Custom applications with a project cost at or below $5,000 are eligible for an incentive up to 100% of the project cost or $5,000, whichever is lower. Custom applications with a project cost greater than $5,000 are eligible for an incentive that cannot exceed 50% of the measure cost (as described on page 8 under Custom Incentive Caps).

Exception for Custom Air Sealing Projects.

Have questions?

Call **877-813-9617** or email **CEMultifamily@cmsenergy.com**.

Direct Install Offering

About This Offering

Free energy saving products will be installed in each living unit of your multifamily property by a team of Consumers Energy field technicians. Properties must meet program eligibility. Please contact the Consumers Energy Multifamily Program at 877-813-9617 to verify your property is eligible for the Direct Install Program, or you may fill out the customer information page and submit via mail, email or fax to request a pre-site eligibility assessment.

Note: Actual products installed may differ from the images shown. Measures are determined based on the environment, overall efficiency and product availability. Lighting products may vary in brand, size, watts, etc., depending on each multifamily property and program scope.

Energy Efficient Showerheads



The new showerheads are corrosion-resistant and have high-impact Acrylonitrile Butadiene Styrene (ABS) thermoplastic bodies. They're self-cleaning and maintenance-free. The 1.5 gpm (gallons per minute) showerhead uses 40%[2] less water compared to the standard 2.5 gpm showerhead, so less energy is used to heat water for every shower. Replacing a standard flow showerhead with an energy efficient model will save approximately $20 in natural gas and $50 in water/sewer costs each year.[1,3]

Kitchen Faucet Aerators



The 1.5 gpm aerators have flow-control construction of long-lasting Celcon plastic. They use 31%[2] less water compared to the standard 2.5 gpm faucet. Lower flow means less energy is used for water heating. Replacing a standard flow aerator with an energy efficient aerator will save approximately $5 in natural gas and $15 in water/sewer costs each year.[1,3]

Bathroom Faucet Aerators



The 1.0 gpm aerators have flow-control construction of long-lasting Celcon plastic. They use 46%[2] less water compared to the standard 2.5 gpm faucet. Replacing a standard flow aerator with an energy efficient aerator will save approximately $7 in natural gas and $22 in water/sewer costs each year.[1,3]

Pipe Wrap



Installed on existing domestic hot-water (DHW) piping or space heat piping to reduce energy loss. Pipe insulation is widely used to reduce unwanted heat loss, decrease plumbing noise and maximize energy savings. Pipe wrap can reduce an apartment's natural gas bill by $1.50 each year for every foot that is insulated.[1]

Linear LED Tube Lights



LED T8 lamp is a perfect plug-and-play solution to convert existing fluorescent fixtures to LED. Designed to deliver 1800 and 2200 lumens, these lamps produce the same light output as a 32W fluorescent with less than half the power. The glass construction provides a strong, quick, and safe installation without any re-wiring of the ballast or fixture. Compatible with most electronic instant-start and programmed rapid-start T8 ballasts.

[1] Source: 2019 Michigan Energy Measure Database, www.michigan.gov/mpsc. Estimated Annual Utility Savings are based on the energy cost of $0.10 per kWh and $5.00 per MCF.
[2] Savings are approximate and will vary with efficiency of heating and water heating system, temperature of incoming and outgoing water, and number of occupants in each unit.
[3] Source: 2012 FES Workpaper "FES-C12 Low Flow Showerheads" and "FES-C13 Low Flow Aerators" and estimated combined water/sewer rates of $10.00/1,000 gallons.

Additional Offerings

Additional measures not listed in this catalog may be available; check with your Energy Advisor for more details.

Income Qualified

We offer an Income Qualified component as part of the Multifamily Program. The Income Qualified program is focused on energy savings for subsidized, multifamily properties by offering increased incentives. An Income Qualified multifamily property may be eligible if they meet any of the following income requirements:

- A property containing at least 66% or higher of residents living at or under 250% of the federal poverty line OR 80% Area Median Income.
- Participation in an affordable housing program
- Consumers Energy's pre-approved income-qualified Census tracts

*Program Caps are not applicable to Income Qualified properties.

*Low-Income Housing Tax Credit (LIHTC) Recipient/Applicant may be eligible for a reservation of funds up to 38 months. Applicants that are applying for LIHTC that receive a reservation letter, incentives will be honored at the rate they were reserved at.

Please see the Income Qualified Program supplement for Income Qualified incentives and Program Rules.

New Construction

The New Construction program encourages energy-efficient building design and construction by supplying financial incentives to promote energy efficiency. The benefits of high performance buildings are numerous, including: reduced maintenance, lower utility costs, improved productivity and occupant health. Multifamily New Construction incentives will be offered for in-unit and common area prescriptive measures. These measures are denoted throughout this catalog by this hard hat symbol:

For buildings that are mixed-use (ex. 1st floor retail), Multifamily prescriptive incentives are available for measures installed in living areas and residential use common areas only. Measures installed in the commercial use areas may be eligible to receive prescriptive incentives through the Consumers Energy Business Energy Efficiency Program. For more information, please contact 877-607-0737.

For buildings that are solely multifamily-use, Multifamily prescriptive incentives are available for in-unit measures and common area measures.



Terms and Conditions

Thank you for your interest in the Consumers Energy Multifamily Program. The Consumers Energy Multifamily Program provides an array of electric and natural gas incentives for multifamily customers who upgrade their facilities with energy efficiency equipment. When you purchase and install qualifying energy-efficient products, you can save energy and save money while helping to create a sustainable environment. Please review the program policies and guidelines as outlined in the 2026 Incentive Specifications before purchasing or installing any equipment to determine eligibility requirements. If you need assistance, please contact the Consumers Energy Multifamily Program Team at 877-813-9617.

As an eligible Consumers Energy customer, I certify the indicated energy efficiency measures were installed in 2026. The energy optimization measures are installed in a qualifying facility and not for resale.

I understand that in the event the application received a reservation, that reservation is not a guarantee of payment. Incentive payment will be based upon the Final Incentive Application meeting the Program Terms and Conditions.

Selected Terms and Conditions include, but are not limited to:

- Final Application and all required documentation must be received within 90 days of reservation confirmation, or 60 days after project completion, whichever is less.
- The program has a limited budget, but is an annual program. Applications will be processed until allocated funds are fully subscribed or spent each program year.
- All equipment must be purchased and installed prior to submitting the Final Application.
- All equipment installed must be new and meet the minimum specifications as stated in the Incentive Application and in the Program Terms and Conditions. Failure to meet the minimum specifications will result in disqualification of the measure for incentive payments.
- Applicant agrees to inspection and measurement activities by the utility or its representatives of both project payment and equipment installation for up to five (5) years.
- Incentives may be taxable, and the applicant is solely responsible for the payment of any resulting taxes.
- The applicant may be required to refund some or all of the incentives if the measures do not remain (or were not) installed for a period of five (5) years or the end of the product life, whichever is less.
- All materials removed, including lamps and PCB ballasts, must be taken out of service permanently and disposed of in accordance with local, state, and federal codes and ordinances. The Applicant is responsible for being aware of any applicable code and ordinances. Information about hazardous waste disposal may be found at: (www.michigan.gov/deq).
- For certain measures, the incentive amount will be determined based on the estimated energy savings. The Applicant may be required to provide documentation on energy savings calculations and assumptions.
- Consumers Energy will make the final determination of the energy savings and thus the incentive amount to be paid.
- Consumers Energy has no obligations regarding and does not endorse or guarantee any claims, promises, work, or equipment made, performed, or furnished by any contractors or equipment vendors that sell or install any energy-efficient measures.
- The amount of a prescriptive incentive cannot exceed 100% of the cost of the project. For custom projects greater than $5,000 project incentive cannot exceed 50% of total project cost. Custom applications with a project cost less than or equal to $5,000 are eligible for incentives up to 100% of the project cost or $5,000, whichever is less.

  Exception for Custom Air Sealing Projects.

I have read and understand the program requirements, Incentive Specifications and program guidelines set forth in this Application and agree to abide by those requirements. I acknowledge and agree that I cannot apply for, nor receive, incentives for the same product, equipment, or service from more than one utility unless there are both electric and natural gas savings.

I certify that the information on this Application is true and accurate. By submitting this Application, I authorize Consumers Energy and its consultants to utilize my account information and project data. I understand this information is confidential and will only be used to evaluate my Application for compliance with the program requirements.

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Incentive Caps and Limits

Overview

Incentives are subject to limits in order to encourage equitable distribution of the funds among as many energy customers as possible. Incentive caps are annual and are calculated based upon which program year the incentive is paid to the customer. Program incentive funds are limited. Final Applications for the current program year should be received by Nov. 30, 2026, to qualify for payment in the 2026 program year. An annual cap of $50,000 for electric incentives and $50,000 for natural gas incentives will be observed at each facility for prescriptive and custom projects. Please note that Program Caps are not applicable with the Income Qualified program (see page 6).

Prescriptive Incentive Caps

The amount of a prescriptive incentive cannot exceed 100% of the cost of the project. Project costs may include the labor necessary to install the measure, and costs related with the disposal of the removed equipment. Internal labor costs may not be included in the total project cost. The Customer is responsible for providing sufficient documentation to validate the project costs.

Electric Incentives	100% of the calculated incentive up to $50,000 per facility*
Natural Gas Incentives	100% of the calculated incentive up to $50,000 per facility*

* Consumers Energy Multifamily Program reserves the right to revise the incentive limits as necessary to address specific projects.

As funds are limited, applications requesting $10,000 or more in incentives must submit a Pre-Application to reserve funds. The project will undergo a non-technical review and a reservation confirmation letter will be sent if the project is approved. If your incentive request is less than $10,000, a pre-application is not required, unless otherwise noted within the catalog. You must submit a Final Application with all required documentation within 60 days of project completion. Required documentation includes all project invoices, product specification, and signed Final Application Agreement. All projects are subject to review under program guidelines. Incentives are not guaranteed until final approval by Consumers Energy.

Custom Incentive Caps

For custom projects, if the project incentive is greater than $10,000, the project incentive cannot exceed 50% of the total project cost. Custom applications with a project cost less than or equal to $10,000 are eligible for incentives up to 100% of the project cost or $5,000, whichever is less. The project cap applies to the total project cost. Internal customer labor costs cannot be included in the total project cost.

Exception for Custom Air Sealing Projects.

Project Cost	≤$5,000	$5,000 - $10,000	>$10,000
Eligible Incentive	Up to 100% of project cost	Up to $5,000	Up to 50% of project cost

If you have questions regarding your project eligibility, please contact the Consumers Energy Multifamily Program at 877-813-9617.

Have questions?

Call **877-813-9617** or email **CEMultifamily@cmsenergy.com**.

How To Apply

1. Check for Eligibility

To qualify for the Multifamily Program, you must be a current multifamily customer of Consumers Energy with a valid natural gas and/or electric account number in a building containing three or more units. (See Customer Eligibility on page 4 of this catalog.) Project must result in a facility improvement with a permanent reduction in electric (kWh) and/or natural gas (MCF) use. Fuel switching is not an acceptable means of use reduction. All installed equipment must meet or exceed the specifications detailed in the 2026 Incentive Specifications.

2. Submit a Pre-Notification Application (Page 12)

Check the Incentive Worksheets and Specifications (pages 14-27) to determine if your project requires a Pre-Notification Application (page 12). In general, a Pre-Notification Application is required for all custom projects and prescriptive projects over $10,000. However, there are certain prescriptive projects under $10,000 that do require pre-notification. These include:

- HP T8 Lamp Replacement
- Screw-in Lighting
- De-Lamping
- Exterior Watts Reduced (with control confirmation)
- Pipe Wrap
- Wall and Roof Insulation
- Air Infiltration Reduction
- Appliance Installation

Before submitting your Pre-Notification Application, make sure you have done the following:

- ☐ Include all required information in the Incentive Application (page 12) and the corresponding Incentive Worksheets (pages 14-27).
- ☐ Verify that all required supporting documentation and new equipment specifications are included. This may include, but is not limited to: equipment specifications, floor plans, lighting schedules and custom project calculations.
- ☐ Make copies of all documentation for your records.

If your project does not require a Pre-Notification Application, you may still submit one to reserve program funds. If you are unsure if your project qualifies for an incentive, it is strongly recommended that you submit a Pre-Notification Application. Upon receipt of the Pre-Notification Application, the program staff will review and reserve incentive funding.
A reservation letter will be delivered upon approval. Funds are reserved for 90 days.

If your project requires a pre-installation inspection, you will be contacted by program staff to schedule the inspection.
You may submit the Incentive application via fax at **517-993-6065**, or email at **CEMultifamily@cmsenergy.com**.



3. Install the Equipment

Equipment must be installed and Final Application submitted within the 90 days following receipt of the reservation letter. Lighting equipment must be DLC or equivalent rating. Appliances must meet Michigan Energy Measures Database (MEMD) requirements.

4. Submit a Final Application (Page 13)

Final Applications must be submitted **within 90 days of incentive reservation and/or 60 days from project completion,** whichever comes first. You may submit a Final Application without submitting a Pre-Notification Application; however, the incentive must not require a Pre-Notification and the project completion date must be within the 60-day threshold.

Before submitting your application, make sure you have done the following. Any missing information will delay the processing of your application:

- ☐ Include all required information in the Incentive Application, the Final Application Agreement and the corresponding Incentive Worksheets. All in-unit installations require completion of the "In-Unit Installations" sheet on Appendix B.
- ☐ Make sure your Final Application Agreement (page 13) is signed and dated when submitting a Final Application.
- ☐ Verify that all required invoices (please see sample invoice on following page), supporting documentation, and new equipment specifications are legible and included.

Invoices must include materials and labor. Internal labor is not eligible as part of the project cost. Invoices and/or proof of purchase must include all of the following information:

- ☐ Invoice number and date
- ☐ Vendor name and address
- ☐ Itemized list of specific equipment, including: model number, manufacturer, unit price, and quantity
- ☐ Serial numbers for each newly installed boiler, furnace, package terminal heat pump, and air conditioner
- ☐ Customer name and installation address
- ☐ Purchase total

- ☐ Make copies of all documentation for your records.

All Final Applications must be received **before Nov. 30, 2026**, to qualify for the current program year's funding. You may submit the Final Application via fax at **517-993-6065**, or email at **CEMultifamily@cmsenergy.com.**

5. Receive an Incentive Payment

The program staff will review your application. Some projects may require an inspection upon completion. Incentives cannot be processed for payment until the completed application and all required documentation is received and approved. Please review the Terms and Conditions (found on page 7). Once the project is approved for payment, the program team will mail the incentive check to the designated payee within 8 weeks.



Have questions?

Call **877-813-9617** or email **CEMultifamily@cmsenergy.com**.

Sample Invoice

Customer Receiving Incentive

INVOICE

INVOICE DATE AND NUMBER — Date: 1/1/2026 Invoice # 00001

PROVIDER NAME AND ADDRESS

ABC LIGHTING CONTRACTOR
111 Lighting Expert Rd
Anytown, MI 53523
(555) 555-1212

To

CUSTOMER NAME AND ADDRESS

John Sample Corporation
123 Save Energy Way
Anytown, MI 53590

Ship To

John Sample Corporation
123 Save Energy Way
Anytown, MI 53590

INCLUDE JOB SITE INFORMATION (NAME & ADDRESS) IF DIFFERENT FROM ABOVE

QUANTITY SHIPPED	MANUFACTURER OR BRAND	MODEL #	DESCRIPTION	EXTENDED PRICE
10	ABC Brand	XYZ123000-6	6 Lamp T8 High Bay Fixture	$ 1,200.00
10	ABC Brand	X71DPP-60D135-0	2'x4' LED troffer	$ 2,500.00
25	ABC Brand	XY-XXLED-15	15W – LED Lamp	$ 375.00
2	ABC Brand	ZZ-123	Passive infrared sensor	$ 90.00
8	ABC Brand	XX-XYZLED-123	LED Pole Mounted Exterior Fixture	$ 3,600.00
2	ABC Brand	YY – 122 – XYZ	LED Wall Pack	$ 720.00
				INCLUDE ITEM COST

SPECIFY THE QUANTITY FOR EACH

IDENTIFY MANUFACTURER AND MODEL NUMBERS

INCLUDE A DETAILED DESCRIPTION

Subtotal	**$8,485.00**
Sales Tax	**$466.68**
Total	**$8,951.68**

TOTAL AMOUNT DUE

Thank you for your business!

Incentive Application

This is my: ☐ Pre-Notification Application ☐ Final Application ☐ Direct Install Application
Project type: ☐ Collaboration Project ☐ New Construction ☐ Income Qualified ☐ Senior Living
Lead source: ☐ EA ☐ Contractor/TA ☐ DTE ☐ Demand Response ☐ Electric Vehicles ☐ NA
☐ Other: _____

ESTIMATED COMPLETION DATE: _____

OFFICE USE ONLY: Project #

CUSTOMER INFORMATION

Property Name:	Contact Name:	
Contact Phone #:	Contact Title:	
Contact Fax #:	Email Address:	
Installation Address:		
City:	State:	ZIP:
Mailing Address:		
City:	State:	ZIP:

PROPERTY MANAGEMENT COMPANY INFORMATION

Company Name:	Company Contact Name:	
Contact Phone #:	Company Email Address:	
Company Address:		
City:	State:	ZIP:

UTILITY INFORMATION

Electric Provider: ☐ Consumers Energy (Electric Account #:) ☐ Other:

Natural Gas Provider: ☐ Consumers Energy (Natural Gas Account #:) ☐ Other:

BUILDING INFORMATION

# of Buildings:	Total # of Units:	# of Units: 1 Bedroom _____ 2 Bedroom _____ 3 Bedroom _____ 3+ Bedroom _____	
# of 1-Bath Units:	# of 1.5-Bath Units:	# of 2-Bath Units:	# of 2.5-Bath Units:
Building Vintage (Year Built):	Total Square Footage:	# of Floors:	

Water Heating (check one): ☐ In-Unit Electric ☐ In-Unit Natural Gas ☐ Common Natural Gas ☐ Common Electric

Space Heating (check one): ☐ Natural Gas Furnace ☐ Natural Gas Boiler ☐ Electric Heat ☐ ASHP ☐ Other:_____

Space Cooling (check one): ☐ Window AC ☐ PTAC/HP ☐ Central AC ☐ No AC # of Units Floors 1-3: # of Units Above Floor 3:

LIHTC Funding
Recipient or Applicant: ☐ Recipient Date Approved _____ ☐ Applicant Date Applied _____ Number of Subsidized Units _____

CONTRACTOR INFORMATION

Name of Contracting Company:	Contact Name:	
Contact Phone #:	Contact Email Address:	
Mailing Address:		
City:	State:	ZIP:

Final Application Agreement

For Final Applications, sign and submit only after all equipment has been installed. A customer signature is required for payment. Please read the program guidelines and Terms and Conditions (page 7) before signing and submitting this application. Signing this application signifies that you have read, understand, and agree to the Terms and Conditions. You must complete all information and provide required supporting documentation to avoid processing delays. For assistance in completing these forms or with the overall application process, please refer to the instructions listed on pages 9-10 of this application, or contact an energy advisor at **877-813-9617** or email **CEMultifamily@cmsenergy.com.**

Project Completion Verification

A check will be made out to the business name associated with the account number unless a payment release is authorized below.	
Customer Signature: (Must Match Contact Name Listed)	
Customer Name (Please Print):	
Date:	Actual Completion Date:

Payment Release Authorization

OPTIONAL: Complete this section only if the incentive payment is to be paid to an entity other than the customer.		
I am authorizing payment of the incentive to the third party (Payee) named below, and I understand that I will not be receiving the incentive payment. I also understand that my release of the payment to a third party does not exempt me from the program requirements outlined in the Incentive Specifications, Final Application Agreement, and Terms and Conditions.		
Customer Signature (Must Match Contact Name Listed):		
Customer Name (Please Print):		Date:
Payee (Company/Individual Name):		
Mailing Address:		
City:	State:	ZIP:
Contact Phone (w Extension):		

Taxpayer ID#: EIN/Federal Tax ID

		–							

OR

Social Security Number

			–			–				

Tax Status: ☐ Corporation (Inc, PC, Etc.) ☐ Tax-Exempt ☐ Individual ☐ Other (may receive 1099) _____

Submit application to:
Fax: 517-993-6065
Email: CEMultifamily@cmsenergy.com

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Lighting Incentives and Specifications

The Consumers Energy Multifamily Program will allow no LED-to-LED wattage reduction incentive in any scenarios, whether indoor or outdoor. All screw-in lighting replacements will be run at custom electric rates.

SECTION 1: LED EXIT SIGN

Specifications

- LED exit signs or LED retrofit kits must replace or retrofit existing incandescent exit signs.
- All new exit signs or retrofit exit signs must be UL or ETL listed, must have a warranty of at least 5 years, and have input wattages <5.0W per sign.

ID	MEASURE	$	QTY	TOTAL
LT101	LED Exit Sign	$50.00 / Lamp		

SECTION 2: NEW CONSTRUCTION LIGHTING POWER DENSITY

Specifications

- Only measures installed in Commercial Code building areas are eligible for this measure. This pertains to exterior common areas for all buildings and interior common areas in multifamily buildings that are 4 stories or more.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Please fill out the worksheet on Appendix D to calculate the appropriate quantities for these measures and include a copy with your application.

ID	MEASURE	$	QTY	TOTAL
LT201	Lighting Power Density – Interior	$0.75 / Watt		
LT202	Lighting Power Density – Exterior (12/7)	$1.15 / Watt		
LT203	Lighting Power Density – Parking Garage (24/7)	$2.45 / Watt		

SECTION 3: OCCUPANCY SENSORS

Specifications

- Passive infrared, ultrasonic detectors and fixture-integrated sensors, microwave, or sensors with a combination thereof, are eligible.
- Sensors must be located in common areas such as offices, hallways, lobbies, washrooms and stairwells.
- Occupancy Sensors cannot be installed to 24-hour fixtures.
- If existing fixture is incompatible with occupancy/bi-level sensor upgrade, wattage of new compatible fixture must equal or be lower than existing wattage, and program will only pay incentive on the watts controlled through the sensor.

ID	MEASURE	$	QTY	TOTAL
LT301	Occupancy Sensor	$0.25 / Watt		
LT302	Night only Exterior Occupancy sensor	$0.85 / Watt		

✓ = Pre-Notification Required

= Measure may be applicable for New Construction Offering (page 6)

Program assumed default wattage can be found on Appendix I

SECTION 4: BI-LEVEL LIGHTING CONTROLS

Specifications

- Control system to operate at full power and full light output when the space is occupied, then at a reduced power level and reduced light output when unoccupied.
- Occupancy sensor must be installed in an interior stairwell or passageway that requires 24-hour lighting by code.
- Occupancy sensor must be hard-wired and reduce the system output to no more than 20% of full power when unoccupied.
- Controlled fixtures must be listed with Design Lights Consortium.
- New fixture bi-level controls require documentation of existing fixture.
- If existing fixture is incompatible with occupancy/bi-level sensor upgrade, wattage of new compatible fixture must equal or be lower than existing wattage, or is limited up to 35W per 1x4', 2x2' and smaller fixtures. Limit is up to 40W per 2x4' fixtures.

ID	MEASURE	$	QTY	TOTAL
LT401	Interior Stairwell and Hallway Bi-Level Controls	$1.20 / Watt		

Specifications

- HID lighting must have an electronic ballast capable of reduced power levels.
- Lighting Power must be reduced by at least 30% at low power level.
- LT402 and LT403 are limited to up to 60W per fixture.
- LT402 fixtures below one story are limited to 20W of incentive.

ID	MEASURE	$	QTY	TOTAL
LT402	Exterior (12/7) Bi-level Controls	$0.60 / Watt		
LT403	Parking Garage (24/7) Bi-level Controls	$0.75 / Watt		

Program assumed default wattage can be found on Appendix I

Appendix I: Consumers Energy Multifamily Default Wattage

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1xU Mag 40W T12	1	U Mag	40W	T12	**43**
2xU Elec 40W T12	2	U Elec	40W	T12	**63**
2xU Mag 40W T12	2	U Mag	40W	T12	**72**
3xU Mag 40W T12	3	U Mag	40W	T12	**115**
1x4 34W T12	1	4	34W	T12	**43**
2x4 34W T12	2	4	34W	T12	**74**
3x4 34W T12	3	4	34W	T12	**117**
4x4 34W T12	4	4	34W	T12	**143**
1x4 40W T12	1	4	40W	T12	**43**
2x4 40W T12	2	4	40W	T12	**85**
3x4 40W T12	3	4	40W	T12	**130**
4x4 40W T12	4	4	40W	T12	**170**
2x8 T12	2	8	60W	T12	**132**
4x8 T12	4	8	60W	T12	**264**
2x8 T12HO	2	8	95W	T12HO	**210**
2x8 T12VHO	2	8	185W	T12VHO	**380**

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1xU 32W T8	1	U	32W	T8	**29**
2xU 32W T8	2	U	32W	T8	**55**
3xU 32W T8	3	U	32W	T8	**81**
1x2 17W T8	1	2	17W	T8	**20**
2x2 17W T8	2	2	17W	T8	**33**
3x2 17W T8	3	2	17W	T8	**48**
4x2 17W T8	4	2	17W	T8	**63**
1x3 25W T8	1	3	25W	T8	**26**
2x3 25W T8	2	3	25W	T8	**46**
3x3 25W T8	3	3	25W	T8	**68**
4x3 25W T8	4	3	25W	T8	**88**
1x4 32W T8	1	4	32W	T8	**31**
2x4 32W T8	2	4	32W	T8	**58**
3x4 32W T8	3	4	32W	T8	**85**
4x4 32W T8	4	4	32W	T8	**112**
1x4 32W T8HP	1	4	32W	T8HP	**38**
2x4 32W T8HP	2	4	32W	T8HP	**74**
3x4 32W T8HP	3	4	32W	T8HP	**110**
4x4 32W T8HP	4	4	32W	T8HP	**144**
6x4 32W T8HP	6	4	32W	T8HP	**220**

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1x4 28W T5	1	4	28W	T5	**32**
2x4 28W T5	2	4	28W	T5	**65**
3x4 28W T5	3	4	28W	T5	**93**
4x4 28W T5	4	4	28W	T5	**126**
1x4 54W T5HO	1	4	54W	T5HO	**62**
2x4 54W T5HO	2	4	54W	T5HO	**122**
3x4 54W T5HO	3	4	54W	T5HO	**185**
4x4 54W T5HO	4	4	54W	T5HO	**243**
6x4 54W T5HO	6	4	54W	T5HO	**365**
8x4 54W T5HO	8	4	54W	T5HO	**486**

Fixture Technical Name	Lamps per Fx	Nominal Wattage	Lamp Type	Default Wattage
32W HID	1	32W	HID	**43**
35W HID	1	35W	HID	**46**
40W HID	1	40W	HID	**50**
50W HID	1	50W	HID	**64**
70W HID	1	70W	HID	**89**
75W HID	1	75W	HID	**93**
100W HID	1	100W	HID	**128**
150W HID	1	150W	HID	**183**
175W HID	1	175W	HID	**208**
250W HID	1	250W	HID	**290**
310W HID	1	310W	HID	**354**
320W HID	1	320W	HID	**365**
350W HID	1	350W	HID	**383**
360W HID	1	360W	HID	**414**
400W HID	1	400W	HID	**455**
450W HID	1	450W	HID	**486**
700W HID	1	700W	HID	**780**
750W HID	1	750W	HID	**812**
1000W HID	1	1000W	HID	**1080**
1500W HID	1	1500W	HID	**1610**
500W Quartz	1	500W	Quartz	**500**

SECTION 5: LIGHTING INCENTIVES REDUCED WATTAGE: BY HOURS OF OPERATION

Specifications

- In-unit installations require the completion of the "In-Unit Tally Sheet"; Appendix B.
- Fixtures must be DLC listed or equivalent to DLC standard.
- LT501 denotes in-unit lighting, applicable for all in unit watts reduced measures used on average 2 to 3 hours a day.
- LT502 measures must have a lifetime of 50,000 hours.
- LT502 is 8 hour a day or shift lighting, applicable for maintenance garages, office use or similar usage cases. exception for permanent dwelling residents; ex., senior living facilities with property acknowledgment.
- All screw-in lighting replacements will be run at custom electric rates

ID	MEASURE	$	PRE		POST		# OF UNITS (A X B) - (C X D)	TOTAL
			# OF FIXTURES (A)	WATTS PER FIXTURE (B)	# OF FIXTURES (C)	WATTS PER FIXTURE (D)		
LT501 ✓	840 hours - 2/7 usage	$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
		$0.60 / Watt						
						TOTAL OF LT501		$
LT502 ✓	2669 hours - 8/7 usage	$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
		$1.10 / Watt						
						TOTAL OF LT502		$

Program assumed default wattage can be found on Appendix I

Specifications

- Minimum lifetime requirement of 50,000 hours
- LED fixtures or retrofit kits must be DLC listed or equivalent to DLC standard.
- Common area installations require the completion of the "Common Area Tally Sheet" - Appendix C.
- All screw-in lighting replacements will be run at custom electric rates

ID	MEASURE	$	PRE		POST		# OF UNITS (A X B) - (C X D)	TOTAL
			# OF FIXTURES (A)	WATTS PER FIXTURE (B)	# OF FIXTURES (C)	WATTS PER FIXTURE (D)		
LT503	4380 hours - 12/7 usage	$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
		$1.50 / Watt						
						TOTAL OF LT503		$
LT504	8760 hours - 24/7 usage	$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
		$1.80 / Watt						
						TOTAL OF LT504		$
						SUBTOTAL OF ALL LIGHTING INCENTIVES AND SPECIFICATIONS		$

Program assumed default wattage can be found on Appendix I

Water Incentives and Specifications

SECTION 1: AERATORS AND SHOWERHEADS

Specifications

- New aerators must have a gallons-per-minute rating of 1.5gpm or less and showerheads must have a gallons-per-minute rating of 1.75gpm or less.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Existing aerators must be at least 2.2gpm or greater and existing showerheads must be 2.5gpm or greater.

ID	MEASURE	$	QTY	TOTAL
WT101	Low-Flow Bath Aerator – 1.5gpm	$3.00 / Unit		
WT102	Low-Flow Bath Aerator – 1.0gpm	$5.00 / Unit		
WT103	Low-Flow Bath Aerator – 0.5gpm	$6.20 / Unit		
WT104	Low-Flow Kitchen Aerator – 1.5gpm	$10.00 / Unit		
WT105	Low-Flow Kitchen Aerator – 1.0gpm	$17.00 / Unit		
WT106	Low-Flow Showerhead – 1.75gpm	$20.00 / Unit		
WT107	Low-Flow Showerhead – 1.5gpm	$16.00 / Unit		
WT108	Low-Flow Bath Aerator – 1.2gpm	$3.50 / Unit		

SECTION 2: INSTANTANEOUS WATER HEATERS

Specifications

- Heater must replace existing natural gas tank style water heater.
- New water heater must be tankless and have a Uniform Energy Factor (UEF) ≥0.81.
- Measure WT202 requires existing UEF 0.624 or lower to be replaced with 0.95 UEF.

ID	MEASURE	$	QTY	TOTAL
WT201	Instant Medium Draw Hot Water Heater – In-Unit	$75.00 / Unit		
WT202	Instant Hot Water Heater – Common Area	$120.00 / Unit		

SECTION 3: IN-UNIT WATER HEATER TANKS

Specifications

- Heater must replace a standard efficiency natural gas tank style water heater.
- Existing Medium Draw tanks must have a UEF ≥0.624 and be replaced with UEF 0.81 or higher.
- Existing High Draw tanks must have a UEF ≥0.624 and be replaced with UEF 0.86 or higher.
- Storage capacity must be ≤55 gallons.

ID	MEASURE	$	QTY	TOTAL
WT301	Residential ENERGY STAR® Storage Water Heater – Medium Draw	$50.00 / Unit		
WT302	Residential ENERGY STAR® Storage Water Heater – High Draw	$75.00 / Unit		

SECTION 4: IN-UNIT HEAT PUMP WATER HEATER TANKS

Specifications

- Heater must replace a standard efficiency electric resistance water heater.
- New heater must meet the qualifying efficiency rating listed in the measure name.
- Storage capacity must be ≤55 gallons.

ID	MEASURE	$	QTY	TOTAL
WT401	ENERGY STAR® Heat Pump Water Heater, UEF ≥2.0	$500.00 / Unit		
WT402	ENERGY STAR® Heat Pump Water Heater, UEF ≥2.5	$550.00 / Unit		
WT403	ENERGY STAR® Heat Pump Water Heater, UEF ≥3.0	$600.00 / Unit		
WT404	ENERGY STAR® Heat Pump Water Heater, UEF ≥3.5	$650.00 / Unit		

SECTION 5: CENTRAL DISTRIBUTION WATER HEATERS

Specifications

- Incentives are available for replacing tank-style domestic hot water systems or boiler systems with a domestic hot water system utilizing at least an 84% efficient boiler and separate storage tank.
- Only boilers with an input capacity greater than 300 MBH qualify.
- Boilers that also provide space heating should use the Combination Boiler measure in the Common Area HVAC section instead.
- Boilers that only provide space heating do not qualify,
- Must replace a standard efficiency (≤80%) water heater.
- Must increase efficiency, no like for like installations.

ID	MEASURE	$	QTY	TOTAL
WT501	Indirect Water Heater (84-90% Thermal Efficiency)	$2.00 / MBH		
WT502	Indirect Water Heater (90% Thermal Efficiency)	$4.00 / MBH		

Specifications

- Incentives are available for replacing a natural gas-fired tank-style water heater with a natural gas-fired tank-style storage unit with a Thermal Efficiency (T.E.) ≥0.94.
- Heating input requirements: >75,000 BTU/hr.
- Storage capacity requirements: ≤140 gallons.
- Must increase efficiency, no like for like installations.

ID	MEASURE	$	QTY	TOTAL
WT503	Commercial ENERGY STAR® Tank-Style DHW Unit (TE ≥0.94)	$350.00 / Unit		

SUBTOTAL OF ALL WATER INCENTIVES AND SPECIFICATIONS	$

HVAC Incentives and Specifications

SECTION 1: FURNACES

Specification

- Must be a condensing furnace at least 92% AFUE (Annual Fuel Utilization Efficiency) or greater.
- Air handlers are not eligible for this incentive.
- When installing a high-efficiency natural gas furnace, chimney liners must be installed if you are replacing an atmospherically drafted furnace that was vented through the same flue as a natural gas water heater.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Flue closer protocol must be used when a high-efficiency furnace is installed and the chimney is no longer in use.
- Available for space heating applications only.
- Equipment purchased for backup or redundancy is not eligible.
- Must replace a standard efficiency (≤80%) furnace.

ID	MEASURE	$	QTY	TOTAL
HV101	Furnace Replacement ≥92%	$2.00 / MBH		
HV102	Furnace Replacement ≥95%	$3.50 / MBH		
HV103	Furnace Replacement ≥98%	$4.00 / MBH		

SECTION 2: TUNE-UPS

Specifications

- The incentive is available once every other heating season and the furnace must be at least 24-months old.
- The contractor must complete a tune-up checklist for each unit serviced. Furnace Tune-Up Checklist can be found on Appendix H.
- All items listed on the furnace tune-up checklist must be completed in order to qualify for the incentive.
- A single unit with multiple burners or modules is considered one unit.
- A burner that is dual-fuel is considered one unit.
- Before and after combustion efficiency tests are not required for furnace tune-ups.
- Furnace must be in operating condition before and after tune-up is complete to receive an incentive.

ID	MEASURE	$	QTY	TOTAL
HV201	Furnace Tune-Up	$0.85 / MBH		

Specifications

- The incentive is available once every other heating season and the Boiler must be at least 24-months old.
- Incentives are available for an input capacity of 110 MBH or larger (for the Space Heating Boiler) and 199 MBH or larger (for the DHW Boiler).
- The service provider must perform combustion efficiency tests before and after tune-up and record the results on the boiler tune-up incentive application.
- The burner must be adjusted to show an improvement in combustion efficiency.
- A boiler tune-up checklist must be completed for every boiler and post combustion tapes must be supplied. Boiler Tune-Up Checklist can be found on Appendix E.
- All items on the boiler tune-up checklist must be completed to receive the incentive.

ID	MEASURE	$	QTY	TOTAL
HV202	Space Heating Boiler Tune-Up	$0.80 / MBH		
HV203	DHW Boiler Tune-Up	$0.60 / MBH		

Specifications

- The incentive is available once every 5 years according to MEMD Workpaper RH 14.0.
- An Air Source Heat Pump Checklist must be completed for every ASHP. ASHP tune-up Checklist can be found on Appendix G..

ID	MEASURE	$	QTY	TOTAL
HV204	ASHP Tune-Up	$15.00 / Ton		

SECTION 3: BOILERS

Specifications

- These boiler incentives are available for equipment used for space heating only.
- Boilers must satisfy both the input capacity and efficiency requirement listed in the measure name to qualify.
- Existing boiler efficiency requirement depends on input capacity:
  - For input <300 MBH, ≤84% AFUE
  - For input between 300-2500 MBH, ≤80% TE
  - For input >2500 MBH, ≤82% CE
- Applicant must submit boiler specifications with steady-state boiler input and output ratings.
- The ratings will be defined per AHRI certification and use supply and return water temperatures.
- Note that high-efficiency condensing boilers will provide the rated efficiency only if return water is cold enough to condense the flue natural gases.
- Boilers purchased for emergency backup or redundancy are not eligible.
- Boilers must modulate their firing rates and have a sealed combustion unit.

ID	MEASURE	INPUT	EFFICIENCY	$	QTY	TOTAL
HV301	Space Heating Boiler Replacement	<300 MBH	≥88% AFUE	$3.00 / MBH		
HV302		<300 MBH	≥90% AFUE	$3.50 / MBH		
HV303		<300 MBH	≥92% AFUE	$5.00 / MBH		
HV304		<300 MBH	≥95% AFUE	$7.00 / MBH		
HV305		300-2500 MBH	≥88% TE	$3.00 / MBH		
HV306		300-2500 MBH	≥90% TE	$3.50 / MBH		

Specifications

- Combo Boiler incentives are available for a new boiler that is being used for both space and domestic hot water heating.
- Boilers purchased for emergency backup or redundancy are not eligible.
- Existing boiler efficiency must be ≤84% AFUE.
- If rated input capacity ≥300 MBh, new boiler efficiency must be ≥95% TE.
- If rated input capacity <300 MBh, new boiler efficiency must be ≥95% AFUE.
- Applicant must submit boiler specifications with steady-state boiler input and output ratings defined per AHRI certification.
- If the domestic hot water system includes a storage tank the tank size must be <1 gallon per MBH.

ID	MEASURE	$	QTY	TOTAL
HV307	Combination Boiler (Space Heat and DHW)	$7.00 / MBH		

SECTION 4: AIR SOURCE HEAT PUMPS

Specifications

- Incentives are available to install replacement air source heat pumps that meet or exceed the SEER2 listed in the application. They can be either split system or single package units.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- New equipment efficiency must be greater than or equal to SEER2 14.3 and HSPF2 7.5.
- All packaged and split system cooling equipment must meet AHRI standards (210/240, 320, or 340/360), be UL listed, and use a minimum ozone-depleting refrigerant. Split system efficiency must be for air handling and condensing unit combined. Incentives are per ton of refrigeration.

ID	MEASURE	$	QTY	TOTAL
HV401	Air Source Heat Pump - No Cooling + Electric Heat	$600.00 / Ton		
HV402	Air Source Heat Pump - Central Air + Electric Heat	$620.00 / Ton		
HV403	Air Source Heat Pump - Room AC + Electric Heat	$720.00 / Ton		
HV404	Air Source Heat Pump - SEER2 15.2	$20.00 / Ton		
HV405	Air Source Heat Pump - SEER2 16	$40.00 / Ton		
HV406	Air Source Heat Pump - SEER2 17	$60.00 / Ton		
HV407	Air Source Heat Pump - SEER2 18	$75.00 / Ton		
HV408	Air Source Heat Pump - SEER2 19	$90.00 / Ton		
HV409	Air Source Heat Pump - SEER2 20	$105.00 / Ton		
HV410	Air Source Heat Pump - SEER2 21	$120.00 / Ton		
HV411	Air Source Heat Pump - SEER2 22	$130.00 / Ton		
HV412	Air Source Heat Pump - SEER2 23	$135.00 / Ton		

SECTION 5: COLD CLIMATE HEAT PUMPS

Specifications

- New equipment efficiency must be greater than or equal to SEER2 14.3 and HSPF2 7.5.
- All packaged and split system cooling equipment must meet AHRI standards (210/240, 320, or 340/360), be UL listed, and use a minimum ozone-depleting refrigerant. Split system efficiency must be for air handling and condensing unit combined. Incentives are per ton of refrigeration.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Heat Pumps must be NEEP qualified.
- Cold Climate Air Source Heat Pumps must maintain COP of 1.5 at 5 degrees F.

ID	MEASURE	$	QTY	TOTAL
HV501	Cold Climate Air Source Heat Pump - No Cooling Electric Heat	$300.00 / Ton		
HV502	Cold Climate Air Source Heat Pump - AC Electric Heat	$310.00 / Ton		
HV503	Cold Climate Air Source Heat Pump - Central Air Electric Heat	$340.00 / Ton		
HV504	(Model SEER2 - 14.3) x Tonnage	$13.00 / (Diff x Ton)		
HV505	(Model HSPF2 - 7.5) x Tonnage	$35.00 / (Diff x Ton)		

SECTION 6: STEAM TRAPS

Specifications

- The repair incentive is available for replacement of traps that have malfunctioned and are leaking steam.
- It is not available for traps that have failed, closed or are plugged.
- The incentive is available once in a 24-month period.
- Replacement with an orifice trap is not eligible for the incentive.
- Steam trap survey and replacement must be recorded and attached to the incentive application by the vendor.
- A spreadsheet with survey/replacement results must be provided. Please see the Sample Steam Trap Survey Form with required fields on Appendix F.

ID	MEASURE	$	QTY	TOTAL
HV601	Steam Trap Repair or Replacement 2 Pipe	$200.00 / Trap		
HV602	Steam Trap Repair or Replacement 1 Pipe	$125.00 / Trap		

SECTION 7: THERMOSTATS

Specifications

- Incentives are available for buildings which have a natural gas-fired or electric heating system or a central air conditioning system and replace any nonprogrammable thermostats with units that automatically adjust the temperature at pre-selected times.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Contact your Energy Advisor if you are installing Programmable Thermostats in commercial areas above 3 stories.
- Thermostats must be capable of maintaining two separate programs to address the different comfort needs of weekdays and weekends and up to four temperature settings for each program.
- Please submit the total square footage of conditioned space controlled along with your final application.

ID	MEASURE	AREA	$	QTY	TOTAL
HV701	Programmable Thermostat	In-Unit	$15.00 / Unit		
HV702		Common Area	$15.00 / Unit		

SECTION 8: AIR CONDITIONERS

Specifications

- Incentives are available to install replacement air conditioning systems that meet or exceed the qualifying cooling efficiencies listed in the application. They can be either split system or single package units.
- Water-cooled systems, evaporative coolers, and water source heat pumps are not eligible for this incentive, but are encouraged to submit a custom application.
- All packaged and split system cooling equipment must meet AHRI standards (210/240, 320, or 340/360), be UL listed, and use a minimum ozone-depleting refrigerant. Split system efficiency must be for air handling and condensing unit combined. Incentives are per ton of refrigeration.

ID	MEASURE	$	QTY	TOTAL
HV801	AC - SEER2 15.2	$15.00 / Ton		
HV802	AC - SEER2 16	$20.00 / Ton		
HV803	AC - SEER2 17	$25.00 / Ton		
HV804	AC - SEER2 18	$30.00 / Ton		
HV805	AC - SEER2 19	$30.00 / Ton		
HV806	AC - SEER2 20	$35.00 / Ton		
HV807	AC - SEER2 21	$40.00 / Ton		
HV808	AC - SEER2 22	$40.00 / Ton		
HV809	AC - SEER2 23	$45.00 / Ton		

SUBTOTAL OF ALL HVAC INCENTIVES AND SPECIFICATIONS	$

Building Envelope Incentives and Specifications

SECTION 1: DOORS AND WINDOWS

Specifications

- Incentives are available for the replacement of a standard entry door which separates a conditioned and unconditioned space with a door that is ENERGY STAR® rated for northern climates.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Only available if primary heat source is provided by Consumers Energy (Natural Gas or Electric).

ID	MEASURE	$	QTY	TOTAL
BE101	ENERGY STAR® Door	$10.00 / Door		

Specifications

- Incentives are available for replacing existing windows with models which meet the minimum specification required for an ENERGY STAR® qualified window in northern climates.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- Incentive is per 100 square feet including the frame.
- Only available if primary heat source is provided by Consumers Energy (Natural Gas or Electric).

ID	MEASURE	$	QTY	TOTAL
BE102	ENERGY STAR® Window	$1.10 / Sq. Ft.		

SECTION 2: INFILTRATION REDUCTION

Specifications

- Incentives are available for the replacement of a recessed ceiling can light with a unit marketed as airtight for reduced air infiltration around the fixture.
- In-unit installations require the completion of the "In-Unit Tally Sheet" on Appendix B.
- The can light must be in a ceiling which separates a conditioned and unconditioned space.
- Additional incentives could be available if the new fixture qualifies for the applicable watts reduced measure.
- Only available if primary heat source is provided by Consumers Energy (Natural Gas).

ID	MEASURE	$	QTY	TOTAL
BE201	Airtight Recessed Can Light	$8.50 / Fixture		

SUBTOTAL OF ALL BUILDING ENVELOPE INCENTIVES AND SPECIFICATIONS	$

Lighting	$0.00
Water	$0.00
HVAC	$0.00
Building Envelope	$0.00
TOTAL	$

Custom Incentives Requirements

- Custom projects must involve a facility improvement that results in a permanent reduction in electric (kWh) and/or natural gas energy use (MCF) because of an increase in system efficiency. Projects that result in reduced energy use without an improvement in system efficiency are not eligible for a custom incentive. However, projects that involve an automated control technology, such as energy management system programming, may be eligible for an incentive. All equipment purchased for custom projects must be new.
- Projects involving measures covered by the prescriptive incentive portion of the program are not eligible for a custom incentive. Applicants have the option to apply for a custom incentive for projects that involve an integrated solution with both prescriptive and custom measures.
- Projects that are NOT eligible for an energy efficiency incentive include the following:
  - Fuel switching (e.g., electric to natural gas or natural gas to electric)
  - Changes in operational and/or maintenance practices or simple control modifications not involving capital costs
  - On-site electricity generation
  - Projects that involve peak-shifting (and not kWh savings)
  - Renewable energy
- Project payback equals the ratio of the project cost divided by the annual energy bill savings.
- Project payback must be greater than or equal to one year and less than or equal to fifteen years to be eligible for a custom incentive.
- The applicant is required to submit a Pre-Notification Application for all custom projects while the existing equipment is still in operation in order to allow Consumers Energy the opportunity to verify the existing equipment.
- The annual electric and/or natural gas savings must be calculated for custom projects using industry-accepted engineering algorithms or simulation models. The applicant must estimate the annual electric and/or natural gas use of both the existing and proposed equipment based on the current operation of the facility. If the existing equipment is at the end of its useful life the applicable federal and local energy codes will be used as the baseline when calculating the annual energy savings.
- **The applicant must submit calculations and methods used to derive the savings.** The applicant must provide all assumptions used in the calculations and document the source for those assumptions. Consumers Energy will review the submittal. Consumers Energy is solely responsible for the final determination of the annual energy savings to be used in calculating the incentive amount. Consumers Energy may need to conduct inspections both before and after the retrofit projects to verify equipment and operation conditions. Consumers Energy also reserves the right to require specific measurement and verification activities including monitoring both before and after the retrofit and to base the incentive payment on the results of these activities.

Custom Incentives Worksheet

These incentives are available to customers for less common or more complex energy-saving measures installed in qualified retrofit and equipment replacement projects that are not covered by the prescriptive incentive portion of the program. Custom incentives are paid based on the first-year energy (kWh or MCF) savings. Applicants have the option to apply for a custom incentive for projects that involve an integrated solution with both prescriptive and custom incentives.

Pre-notification is required. Please attach required, supporting documentation as described in the Custom Incentives Requirements (page 26) and Terms and Conditions (page 7).

Step 1: provide a summary of the project.

CUSTOM PROJECT DESCRIPTION	
Before Retrofit	After Retrofit

Step 2: Provide a summary of the energy savings.

SERVICE	UNIT	CURRENT ENERGY COST ($ PER UNIT)	ANNUAL SAVINGS (UNITS/YEAR) (A)	INCENTIVE RATE ($ PER UNIT) (B)	CALCULATED INCENTIVE (A X B)	PROJECT COST	SIMPLE PAYBACK PERIOD	TOTAL CUSTOM INCENTIVE
Consumers Energy Electric	kWh			$0.08				
Consumers Energy Natural Gas	MCF			$5.00				

PROJECT COST	ELIGIBLE INCENTIVE
≤$5,000	Up to 100% of project cost
$5,000 - $10,000	Up to $5,000
>$10,000	Up to 50% of project cost

$$\text{Payback Period} = \frac{\text{Incremental Measure Cost}}{(\text{Annual kWh saved} \times \text{Electric Rate}) + (\text{Annual MCF saved} \times \text{Natural Gas Rate})}$$

Exception for Custom Air Sealing Project - Treat as Special Interest Projects that don't follow Custom Capping Rules.

TOTAL CUSTOM MEASURE COST:	$
TOTAL CUSTOM INCENTIVES:	$

Appendix A: Market Rate Measure Appendix

Catalog ID		Measure	Incentive ($)	Unit of Measure	Section
BE202C	Requires Program Pre-Approval	Filtration Reduction (Percentage) (Combo)	400.00	1000 sq. ft.	Building Envelope
BE202E	Requires Program Pre-Approval	Filtration Reduction (Percentage) (Electric)	400.00	1000 sq. ft.	Building Envelope
BE202G	Requires Program Pre-Approval	Filtration Reduction (Percentage) (Gas)	320.00	1000 sq. ft.	Building Envelope
BE302C	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-49 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE302E	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-49 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE302G	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-49 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE303C	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-60 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE303E	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-60 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE303G	Requires Program Pre-Approval	Ceiling Insulation R-11 Base to R-60 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE304C	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-49 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE304E	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-49 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE304G	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-49 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE305C	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-60 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE305E	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-60 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE305G	Requires Program Pre-Approval	Ceiling Insulation R-19 Base to R-60 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE306C	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-30 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE306E	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-30 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE306G	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-30 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE307C	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-49 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE307E	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-49 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE307G	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-49 (Gas)	320.00	1000 sq. ft.	Building Envelope
BE308C	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-60 (Combo)	400.00	1000 sq. ft.	Building Envelope
BE308E	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-60 (Electric)	400.00	1000 sq. ft.	Building Envelope
BE308G	Requires Program Pre-Approval	Ceiling Insulation Uninsulated Base to R-60 (Gas)	320.00	1000 sq. ft.	Building Envelope
HV309	Requires Program Pre-Approval	Motorized Boiler Zone Valves	10.50	Units	HVAC
HV310		Boiler turn down control 5:1-10:1	1.00	MBH	HVAC
HV405b		ASHP - SEER2 16.5	40.00	Ton	HVAC
HV406b		ASHP - SEER2 17.5	60.00	Ton	HVAC
HV407b		ASHP - SEER2 18.5	70.00	Ton	HVAC
HV408b		ASHP - SEER2 19.5	90.00	Ton	HVAC
HV409b		ASHP - SEER2 20.5	105.00	Ton	HVAC
HV410b		ASHP - SEER2 21.5	120.00	Ton	HVAC
HV411b		ASHP - SEER2 22.5	130.00	Ton	HVAC
XBE901		Pipe Wrap-Steam-Common Area	15.00	Linear Feet	Building Envelope
XBE902		Pipe Wrap-Space Heat-Common Area	4.00	Linear Feet	Building Envelope
XBE903E		Pipe Wrap R3-DHW-In-Unit (Electric)	3.50	Linear Feet	Building Envelope
XBE903G		Pipe Wrap R3-DHW-In-Unit (Gas)	3.50	Linear Feet	Building Envelope
XBE904E		PEX Pipe Wrap-DHW-In-Unit (Electric)	2.00	Linear Feet	Building Envelope
XBE904G		PEX Pipe Wrap-DHW-In-Unit (Gas)	2.00	Linear Feet	Building Envelope
XBE905E		Pipe Wrap-DHW-Common Area (Electric)	4.00	Linear Feet	Building Envelope
XBE905G		Pipe Wrap-DHW-Common Area (Gas)	4.00	Linear Feet	Building Envelope
XBE906E		PEX Pipe Wrap-DHW-Common Area (Electric)	2.00	Linear Feet	Building Envelope
XBE906G		PEX Pipe Wrap-DHW-Common Area (Gas)	2.00	Linear Feet	Building Envelope
XHV901		ENERGY STAR® Certified Room Air Conditioner (>8000 BTU/hr)	65.00	Units	HVAC
XHV902		ENERGY STAR® Certified Room Air Conditioner (<8000 BTU/hr)	18.00	Units	HVAC
XHV903		EC Motor Retrofit - In-unit	0.35	kBtu/hr Furnace Capacity	HVAC
XHV904		SPVAC ≥ 65kBtuh EER 11 Et 90	30.00	Ton	HVAC
XMD901		VFD-Fan	200.00	HP	Motors and Drives
XMD902		VFD for HW Pump	600.00	HP	Motors and Drives
XMD903		ECM on Domestic Hot Water Recirculation <100W	275.00	Per Motor	Motors and Drives
XMD904		ECM on Domestic Hot Water Recirculation 100-500W	1300.00	Per Motor	Motors and Drives
XMD905		ECM on Domestic Hot Water Recirculation >500W	4500.00	Per Motor	Motors and Drives
XMD906		ECM on Hydronic Heating <100W	130.00	Per Motor	Motors and Drives
XMD907		ECM on Hydronic Heating 100-500W	550.00	Per Motor	Motors and Drives
XMD908		ECM on Hydronic Heating >500W	2200.00	Per Motor	Motors and Drives
XMD909		ECM on Chilled Water Recirculation <100W	70.00	Per Motor	Motors and Drives
XMD910		ECM on Chilled Water Recirculation 100-500W	225.00	Per Motor	Motors and Drives
XMD911		ECM on Chilled Water Recirculation >500W	1,000.00	Per Motor	Motors and Drives

Appendix B: In-Unit Tally Sheet

Use this template to record measures installed inside multifamily living units. Please list the measure and measure quantity for each apartment unit served. The Measure ID can be found in both the Market Rate and Income Qualified versions of the Consumers Energy Multifamily Catalog. For Measure Quantity, please list the number of units described in the catalog (e.g., lamp, watts reduced, input MBH, unit).

Property Name

				Measure 1		Measure 2		Measure 3		Measure 4	
Building Address	Building Number of Identifier	Number of Floors	Unit Number	Measure ID	Measure Quantity	Measure ID	Measure Quantity	Measure ID	Measure Quantity	Measure ID	Measure Quantity
200 Zoo Drive	*1*		*101*	*LT101*	*5*	*LT108*	*4*				
300 Hippo Lane	*1*		*102*	*LT101*	*6*	*LT108*	*3*				

Appendix C: Common Area Tally Sheet

Use this template to record measures installed inside multifamily living units. Please list the measure and measure quantity for each apartment unit served. The Measure ID can be found in both the Market Rate and Income Qualified versions of the Consumers Energy Multifamily Catalog. For Measure Quantity, please list the number of units described in the catalog (e.g., lamp, watts reduced, input MBH, unit).

Property Name

Building Address Number of Floors Building Number or Identifier

	Example	1	2	3	4	5	6	7	8	9	10
Measure ID	*LT101*										
Measure Quantity	*60*										

Building Address Number of Floors Building Number or Identifier

	Example	1	2	3	4	5	6	7	8	9	10
Measure ID	*LT101*										
Measure Quantity	*60*										

Building Address Number of Floors Building Number or Identifier

	Example	1	2	3	4	5	6	7	8	9	10
Measure ID	*LT101*										
Measure Quantity	*60*										

Building Address Number of Floors Building Number or Identifier

	Example	1	2	3	4	5	6	7	8	9	10
Measure ID	*LT101*										
Measure Quantity	*60*										

Building Address Number of Floors Building Number or Identifier

	Example	1	2	3	4	5	6	7	8	9	10
Measure ID	*LT101*										
Measure Quantity	*60*										

Appendix D: New Construction Lighting Power Density Measure Form

This form is to be filled out and submitted when applying for any of the Lighting Power Density (LPD) measures: LT301, LT302, or LT303. Incentives are available for interior and exterior lighting where the lighting power density is at least 10% lower than the current commercial code maximum as defined in the prevailing version of ASHRAE 90.1. Lighting power densities must be based on designs that meet applicable codes and standards and follow industry guidelines for acceptable quantity and quality of lights for the space types and tasks. To receive incentives for lighting, use the U.S. Department of Energy COMcheck software (https://www.energycodes.gov/comcheck) for interior and/or exterior lighting and provide the following:

- COMcheck "Lighting and Power Compliance Certificate"
- Scaled lighting plans and/or site lighting plans
- Lighting Fixture schedules
- Specification sheets for all lamps, ballasts, and fixtures
- Explanation for any discrepancies between the plans, schedules, and specs, as well as updates not reflected on the above documentation requirements

Please note that all fixtures must be certified or listed under the Design Light Consortium (DLC) Qualified Products List to qualify. The incentive is based on the difference between the ASHRAE 90.1 maximum allowed wattage and the installed/proposed wattage. Either the "Space-by-Space" or "Building Area Method" can be used to calculate the LPD for the purposes of this incentive. Fill in the table below with the COMcheck results then copy the total value from the Total Watts Reduced column to the QTY section on the incentive worksheet for the LPD measures (page 15).

	DESCRIPTION OF FACILITY SPACE	AREA IN SQUARE FEET	TOTAL WATTS ALLOWED (A)	TOTAL WATTS PROPOSED (B)	TOTAL WATTS REDUCED (C=A-B)
Interior (LT201)					
	Total				
Exterior (LT202)					
	Total				
Parking Garage (LT203)					
	Total				

Appendix E: Boiler Tune-Up Checklist

Company Name:	Current Service Date:
	Previous Service Date:

Check off the following tasks as completed for each boiler and include comments in space below. Print copies as needed if completing by hand. Boiler must be operational before and after the tune-up in order to receive an incentive.

Unit 1 Size (Input BTU):		**Type:**	
Location:	Make & Model #:		Serial Number:

- ☐ Include copy of post combustion analyzer test (boilers only)
- ☐ Adjust airflow and reduce excessive stack temperatures
- ☐ Adjust burner and natural gas input, manual or motorized draft control
- ☐ Clean burners, combustion chamber and heat exchange surface when operating schedule permits
- ☐ Seal combustion chamber
- ☐ Clean and inspect burner nozzles
- ☐ Check for proper venting
- ☐ Complete visual inspection of system piping and installation
- ☐ Check safety controls
- ☐ Check adequacy of combustion air intake

Complete this table for boiler tune-ups only:		
Pre-Service Combustion Efficiency:	Pre-Service Stack Temperature:	Pre-Service Oxygen Level:
Post-Service Combustion Efficiency:	Post-Service Stack Temperature:	Post-Service Oxygen Level:
Pre-Service Carbon Dioxide:	Pre-Service Carbon Monoxide:	
Post-Service Carbon Dioxide:	Post-Service Carbon Monoxide:	

Unit 2 Size (Input BTU):		**Type:**	
Location:	Make & Model #:		Serial Number:

- ☐ Include copy of post combustion analyzer test (boilers only)
- ☐ Adjust airflow and reduce excessive stack temperatures
- ☐ Adjust burner and natural gas input, manual or motorized draft control
- ☐ Clean burners, combustion chamber, and heat exchange surface when operating schedule permits
- ☐ Seal combustion chamber
- ☐ Clean and inspect burner nozzles
- ☐ Check for proper venting
- ☐ Complete visual inspection of system piping and installation
- ☐ Check safety controls
- ☐ Check adequacy of combustion air intake

Complete this table for boiler tune-ups only:		
Pre-Service Combustion Efficiency:	Pre-Service Stack Temperature:	Pre-Service Oxygen Level:
Post-Service Combustion Efficiency:	Post-Service Stack Temperature:	Post-Service Oxygen Level:
Pre-Service Carbon Dioxide:	Pre-Service Carbon Monoxide:	
Post-Service Carbon Dioxide:	Post-Service Carbon Monoxide:	

Appendix F: Sample Steam Trap Survey Form

Property Name:	Date:	System Operating Pressure:
Building Name/Number:	Technician's Name:	

Please complete each cell for every steam trap surveyed.
Incentives are only available for repaired/replaced traps that were Failed Open (leaking steam).
Orifice type traps do not qualify.

LOCATION (unique desc. or trap tag #)	TYPE	MANUFACTURER	MODEL #	PIPE SIZE	REPAIRED/ REPLACED	TRAP CONDITION	OTHER INFORMATION
Example #1	*Thermostatic*	*Waren Webster*	*502*	*1/2"*	*Repaired*	*Functioning (F)*	
Example #2	*Bucket*	*Armstrong*	*800 75-150*	*3/4"*	*Repaired*	*Failed Open (FO)*	
Example #3	*F&T*	*Barnes and Jones*	*FT2015-4*	*1"*	*Replaced*	*Failed Closed (FC)*	

Appendix G: ASHP Tune-Up Checklist

Property Name:	Date:
Building Address:	Technician's Name:

Check off the following tasks as completed for each ASHP and include comments in space below. Print copies as needed if completing by hand. Combustion Analyzer Test is not required for ASHP tune-ups. ASHP must be operational after the tune-up in order to receive an incentive.

APT. #	UNIT MODEL #	UNIT TON	UNIT SERIAL #	Answer yes (Y) or no (N) to all items. If answer is no or blank, explain why in the Notes column. If no explanation is given ASHP will not be eligible for an incentive.								NOTES
				1	2	3	4	5	6	7	8	

1 = Was ASHP operating upon arrival? If not, explain in notes.
2 = Inspect the refrigerant lines and the insulation of the refrigerant lines.
3 = Ensure the outdoor unit is level and draining properly.
4 = Inspect the outdoor unit coil for damage or anything that might obstruct airflow and clean as necessary.
5 = Examine the outdoor unit blower.
6 = Check the condensate lines and any condensate pumps in the system.
7 = Check the outdoor safety disconnect.
8 = Start-up system and test operation.

Appendix H: Furnace Tune-Up Checklist

Property Name:	Date:
Building Address:	Technician's Name:

Check off the following tasks as completed for each furnace and include comments in space below. Print copies as needed if completing by hand. Combustion Analyzer Test is not required for furnace tune-ups. Furnace must be operational after the tune-up in order to receive an incentive.

APT. #	UNIT MODEL #	UNIT BTU	UNIT SERIAL #	Answer yes (Y) or no (N) to all items. If answer is no or blank, explain why in the Notes column. If no explanation is given furnace will not be eligible for an incentive.										NOTES
				1	2	3	4	5	6	7	8	9	10	

1 = Was furnace operating upon arrival? If not, explain in notes.
2 = Adjust air flow and reduce excessive stack temperatures.
3 = Adjust burner and gas input.
4 = Clean burners, combustion chamber and heat exchange surface when operating schedule permits.
5 = Clean and inspect burner nozzles.
6 = Check for proper venting.
7 = Complete visual inspection of system piping and installation.
8 = Check safety controls.
9 = Check adequacy of combustion air intake.
10 = Furnace operational upon leaving?

Appendix I: Consumers Energy Multifamily Default Wattage

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1xU Mag 40W T12	1	U Mag	40W	T12	**43**
2xU Elec 40W T12	2	U Elec	40W	T12	**63**
2xU Mag 40W T12	2	U Mag	40W	T12	**72**
3xU Mag 40W T12	3	U Mag	40W	T12	**115**
1x4 34W T12	1	4	34W	T12	**43**
2x4 34W T12	2	4	34W	T12	**74**
3x4 34W T12	3	4	34W	T12	**117**
4x4 34W T12	4	4	34W	T12	**143**
1x4 40W T12	1	4	40W	T12	**43**
2x4 40W T12	2	4	40W	T12	**85**
3x4 40W T12	3	4	40W	T12	**130**
4x4 40W T12	4	4	40W	T12	**170**
2x8 T12	2	8	60W	T12	**132**
4x8 T12	4	8	60W	T12	**264**
2x8 T12HO	2	8	95W	T12HO	**210**
2x8 T12VHO	2	8	185W	T12VHO	**380**

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1x4 28W T5	1	4	28W	T5	**32**
2x4 28W T5	2	4	28W	T5	**65**
3x4 28W T5	3	4	28W	T5	**93**
4x4 28W T5	4	4	28W	T5	**126**
1x4 54W T5HO	1	4	54W	T5HO	**62**
2x4 54W T5HO	2	4	54W	T5HO	**122**
3x4 54W T5HO	3	4	54W	T5HO	**185**
4x4 54W T5HO	4	4	54W	T5HO	**243**
6x4 54W T5HO	6	4	54W	T5HO	**365**
8x4 54W T5HO	8	4	54W	T5HO	**486**

Fixture Technical Name	Lamps per Fx	Ft/Shape	Nominal Wattage	Lamp Type	Default Wattage
1xU 32W T8	1	U	32W	T8	**29**
2xU 32W T8	2	U	32W	T8	**55**
3xU 32W T8	3	U	32W	T8	**81**
1x2 17W T8	1	2	17W	T8	**20**
2x2 17W T8	2	2	17W	T8	**33**
3x2 17W T8	3	2	17W	T8	**48**
4x2 17W T8	4	2	17W	T8	**63**
1x3 25W T8	1	3	25W	T8	**26**
2x3 25W T8	2	3	25W	T8	**46**
3x3 25W T8	3	3	25W	T8	**68**
4x3 25W T8	4	3	25W	T8	**88**
1x4 32W T8	1	4	32W	T8	**31**
2x4 32W T8	2	4	32W	T8	**58**
3x4 32W T8	3	4	32W	T8	**85**
4x4 32W T8	4	4	32W	T8	**112**
1x4 32W T8HP	1	4	32W	T8HP	**38**
2x4 32W T8HP	2	4	32W	T8HP	**74**
3x4 32W T8HP	3	4	32W	T8HP	**110**
4x4 32W T8HP	4	4	32W	T8HP	**144**
6x4 32W T8HP	6	4	32W	T8HP	**220**

Fixture Technical Name	Lamps per Fx	Nominal Wattage	Lamp Type	Default Wattage
32W HID	1	32W	HID	**43**
35W HID	1	35W	HID	**46**
40W HID	1	40W	HID	**50**
50W HID	1	50W	HID	**64**
70W HID	1	70W	HID	**89**
75W HID	1	75W	HID	**93**
100W HID	1	100W	HID	**128**
150W HID	1	150W	HID	**183**
175W HID	1	175W	HID	**208**
250W HID	1	250W	HID	**290**
310W HID	1	310W	HID	**354**
320W HID	1	320W	HID	**365**
350W HID	1	350W	HID	**383**
360W HID	1	360W	HID	**414**
400W HID	1	400W	HID	**455**
450W HID	1	450W	HID	**486**
700W HID	1	700W	HID	**780**
750W HID	1	750W	HID	**812**
1000W HID	1	1000W	HID	**1080**
1500W HID	1	1500W	HID	**1610**
500W Quartz	1	500W	Quartz	**500**

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