

New Construction Best Practices Pilot

What will you learn today?

- Benefits of participating
- Participation process and timeline
- How to complete the application
- Technical requirements for eligible building types

Who are the presenters?



Prachi Sharma

- Outreach Lead
- B. Architecture and M.S. Sustainable Management



Emily Golen

- Program Manager and Energy Engineer
- B.S Mechanical Engineer

Pilot Key Objectives

- Practical, low-risk solutions
- Clear requirements and predictable benefits
- Streamlined participation process (low time investment)

How?

- Focused on practical, low-risk energy efficiency measures
- Created energy models for standard building types
- Used those models to create standard incentive rates

The screenshot shows the 'My Project' interface in Sketchbox. The top navigation bar includes 'PROJECT', 'DESIGN' (highlighted), 'SCHEDULES', 'BASELINE', 'MEASURES', and 'RESULTS'. Below this, there are radio buttons for 'Office' (selected) and 'Site', along with a plus sign. The left sidebar contains a list of building parameters:

- Name: Office
- Color: [Dark Blue]
- Building Type: Office - Medium
- Parent Shell: None
- Adjacency: Not Used
- Area: 50000 ft²
- Aspect Ratio: 1.5
- Floors Number: 3
- Height: 13 ft
- Perimeter Zone Depth: 15 ft
- Roof Type: Insulation entirely above deck
- Wall Type: Metal framed

The main workspace displays a 3D model of a rectangular building with a grid of windows, situated on a blue grid floor. A compass rose is visible in the top left of the workspace. At the bottom of the interface, there are buttons for 'Support' and 'Documentation', and the 'sketchbox powered by slipstream' logo.

Requirements & Incentives

Warehouse Best Practice

Instructions:

1. Enter your warehouse or industrial square footage (must be >= 5,000 sf). →
2. Complete this form by selecting Developer or Tenant installation.
3. Incentive amount will be automatically calculated below.
4. Complete forms for office and all other area types.
5. Submit this form along with your application.

BEST PRACTICE MEASURES	\$0.10/gsf	MEASURE INSTALLED BY:	
Interior Lighting Power Install LED fixtures to achieve 0.28 Watts/gsf or lower for warehouse areas.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Interior Lighting Controls Install fixture-mounted occupancy sensors and program for full shutoff within 10 minutes		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Power Install LED fixtures to achieve 0.05 Watt/sf or lower for parking and drive areas and 8 Watts/ft (linear) or lower for pedestrian and vehicular entrances and exits.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Controls Achieve 70% power reduction or greater during unoccupied nighttime periods through time-clock dimming, zone shutoff, and/or motion controls.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
High-Efficiency Cooling Equipment Install efficient cooling equipment with rated efficiency 10% higher than code minimum or meeting CEE Tier I requirements.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
High-Efficiency Gas Heating Equipment Install heating equipment with rated thermal efficiency of 92% or higher.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
Advanced Wall Assembly Achieve assembly U-value of 0.06 Btu/hr-ft ² -°F in mass walls (e.g. by specifying 3" insulation in precast wall panels and minimizing thermal bridging through solid sections) or 0.043 Btu/hr-ft ² -°F in steel framed wall construction.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.03/gsf		
Advanced Interior Lighting Further reduce to 0.18 Watts/gsf of installed lighting power.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
Demand-Controlled Ventilation Install ventilation controls based on CO2 sensors to reduce outside air volume during periods of low occupancy.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant

Anticipated Developer Incentive: \$

How?

- Incentives are calculated on a **per square foot** basis
- Designed for 1-5-year simple payback with incentives

Benefits for Design Firms

- Third party unbiased review
- Incentives available for design teams that complete the program's design worksheet



There is an opportunity for the design team to receive a payment of **\$5,000** for accurate submission of the program's design worksheet

Warehouse New Construction Workbook

Valid through December 31, 2024

Design Team Workbook

Design Team Participation: \$5000

To receive the design team incentive, the design team representative must, at a minimum, complete this form accurately by design completion. Projects must exceed the requirements of 2015 International Energy Conservation Code® sections C402-C405, C406.3 (10% reduced lighting power) and C408.

Submit this completed form

Project Name: <input type="text"/>	SUBMISSION PHASE
Project Contact: <input type="text"/>	<input type="checkbox"/> Interim Design Review Submission (optional)
Date: <input type="text"/>	<input type="checkbox"/> Design Completion
	<input type="checkbox"/> Construction Completion

Required Information

Operating Schedule: <input type="text"/> hours per week	
Warehouse* Floor Area: <input type="text"/> gross square feet	Exterior Wall Area: <input type="text"/> gross square feet
Skylight Area: <input type="text"/> % of gross floor area	Wall Assembly U-value: <input type="text"/> Btu/hr-ft ² -°F
Parking and Drive Area: <input type="text"/> gross square feet	Window Area: <input type="text"/> % of gross wall area
Warehouse Lighting Power Density: <input type="text"/> watts/gsf installed	<input type="checkbox"/> Attach schedule of fixture designation, type, watts, and count
Warehouse Lighting Controls: <input type="text"/> % automatic power reduction after <input type="text"/> minutes of vacancy	
Exterior Lighting Power: <input type="text"/> total watts installed	<input type="checkbox"/> Attach schedule of fixture designation, type, watts, and count
Exterior Lighting Controls: <input type="text"/> % automatic power reduction during nighttime hours	<input type="checkbox"/> Attach sequence of operations
Primary HVAC System Type: <input type="checkbox"/> MAU <input type="checkbox"/> RTU <input type="checkbox"/> Other: <input type="text"/>	
Heating Set Point Temperature: <input type="text"/> °F	Cooling Set Point Temperature: <input type="text"/> °F or <input type="checkbox"/> N/A
Heating Efficiency: <input type="checkbox"/> Attach schedule of equipment type, capacity, efficiency, and count	Cooling Efficiency: <input type="checkbox"/> Attach schedule of equipment type, capacity, efficiency, and count

*See separate workbooks for other space types.

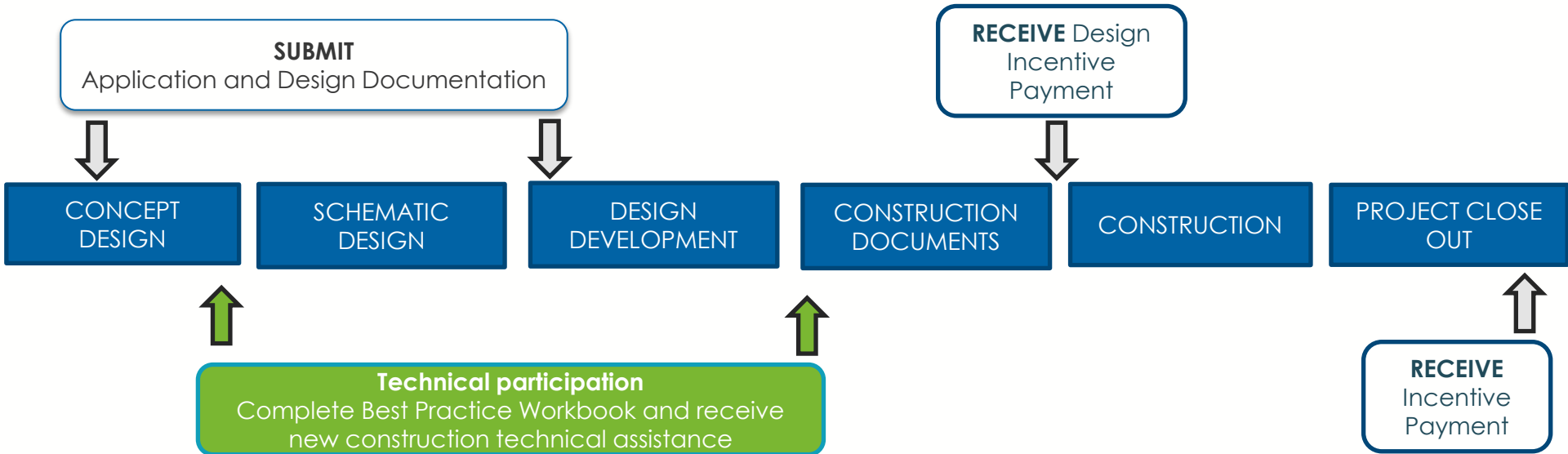
** If a project includes multiple building types, design team only gets \$5000. The design team will not receive \$5000 for filling out multiple Best Practice design team worksheets.



Benefits for Commercial, Industrial and Public Sector Buildings

- Reduce operating costs
- Building owner incentive to offset first cost of energy efficiency measure installation

Participation Timeline



Directions: Please save a copy of this form to your computer by selecting "FILE/SAVE AS" before entering text and numbers. Then fill in your information electronically and select "SAVE" Note that this form requires the current Adobe Reader® version to function properly. Download the most recent version of Adobe Reader® at <https://get.adobe.com/reader/>.

Overview

Incorporate high-performance energy efficiency measures into your new warehouse development!

THE BASICS

- **One-time financial incentives** for owners of warehouse and industrial new construction for beyond-code systems and equipment.
- **Save money and energy** in operation of the building.
- **Incentives** have been designed to help achieve an approximate one-year simple payback on the package of energy efficiency improvements. See below!
- Additional incentives available to design teams who incorporate and document energy efficiency measures for the project.

INCENTIVE SUMMARY

REQUIREMENTS ¹	INCENTIVE ²
Warehouse Best Practices	\$0.10/gsf
Advanced Cooling Efficiency	+ \$0.02/gsf
Advanced Heating Efficiency	+ \$0.02/gsf
Advanced Wall Assembly	+ \$0.02/gsf
Advanced Interior Lighting	+ \$0.03/gsf
Demand-Controlled Ventilation	+ \$0.02/gsf
Design Team Participation	See design team workbook



WORK WITH US EARLY IN THE DESIGN PROCESS



¹Projects must meet or exceed the prescriptive requirements of 2015 International Energy Conservation Code® (IECC 2015), in addition to the incentive requirements in this table. Incentives are based on an exceedance of requirements of IECC 2015 sections C402-C405, C406.5 (10% reduced lighting power) and C408.

²Awarded as a one-time incentive payment at construction completion. Projects with tenant fit-outs under separate rate scope may divide the incentive into separate base building and fit-out payments. Projects with tenant fit-outs that fail to meet all Best Practices may still be eligible to receive reduced incentives.

³"gsf" means gross square feet of floor area. Rate is applied for the first 1 million square feet. Discounted rates apply for additional building area.

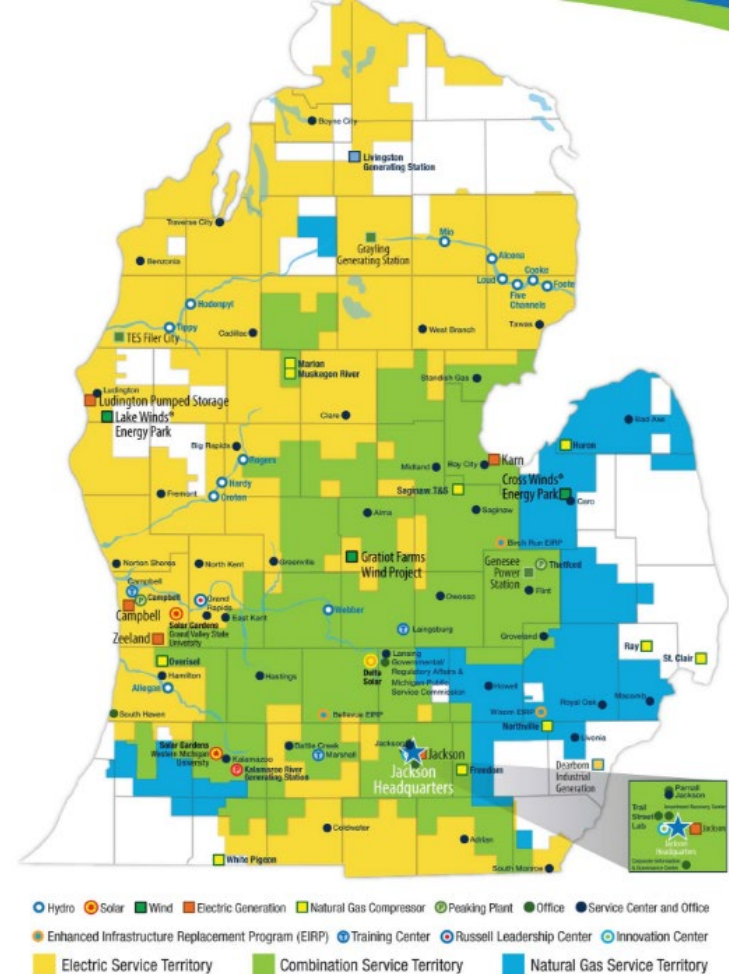
Best Practices

Best practices: tailored incentives for achieving a set of energy efficiency best practices for certain markets:

- Multi-Family and Assisted Living
- Office or Medical Office
- Parking Garage
- Retail and Grocery
- Warehouse and Industrial

Eligibility requirements:

- Minimum of 5,000 ft²
- Project is in design phase prior to permit
- The building must be a commercial building as defined by state and local building codes
- Project must meet or exceed all base Best Practice energy efficiency requirements.
- Projects must be served by Consumers Electric and Consumer's Gas and Electric Services (no Consumer's gas only project)



Application

New Construction Best Practices Application

How did you hear about us?

- Email
 Direct Mail
 Contractor
 Energy Advisor
 Consumers Energy Account Manager
 Other: _____

Applicant Information

Company Name _____
Contact Name _____ Title _____
Mailing Address _____
City _____ State _____ ZIP _____
Phone _____ Email _____

We will use your email address solely to provide timely information about the Consumers Energy Business Energy Efficiency Programs and your projects.

Consumers Energy Natural Gas Account Number (If Available) _____

Consumers Energy Electric Account Number (If Available) _____

Tax Status** Individual/Sole proprietor
single-member LLC C Corporation Partnership LLC Enter Tax Classification _____
 S Corporation Trust/Estate Other _____

Tax ID Number Please provide your EIN/Federal Tax ID below.

EIN/Federal Tax ID _____ - _____

Exemptions
Payee Code _____ FATCA Code _____

Application

Project Information

Project Name

Address

City State ZIP

Building Size (Area)

Primary Building Type Office/ Medical Office Parking Garage Multi-Family/ Assisted Living/ Hotel
 Warehouse/ Industrial Retail/ Grocery/Convenience Store

Type of Application New Construction Major Renovation

Estimated Design Completion Date Estimated Permit Date

Estimated Construction Start Date Estimated Construction Completion Date

Certification Being Sought? (i.e. LEED, NetZero, etc.)

Preliminary Drawings or Scope of Work Documents Available? Yes No

What is the current phase of your project? Pre-Design Schematic Design Design Development
 Construction Documentation Equipment Purchased

If design development, how complete is your design? %

Project Scope:

Provide an overview of the project you are working on. Detail specifics like what equipment is being replaced and/or installed, construction or renovation plans, or any other relevant details, as applicable. Please provide as much information about your project as possible for our screening review team. The more information that is provided, the better we can assist you with your project. Feel free to attach a separate document.

Application

Technical Contact Information

ARCHITECT OR DESIGN TEAM LEAD

Company Name*		Consumers Energy Contractor ID (if known)		
Contact Name		Title		
Mailing Address				
City	State	ZIP	Phone	Fax
Email				

* Company name as it appears on your W-9. **W-9 must be provided for payee with Best Practice Workbook.

GENERAL CONTRACTOR

Company Name*		Consumers Energy Contractor ID (if known)		
Contact Name		Title		
Mailing Address				
City	State	ZIP	Phone	Fax
Email				

MECHANICAL ENGINEER

Company Name*		Consumers Energy Contractor ID (if known)		
Contact Name		Title		
Mailing Address				
City	State	ZIP	Phone	Fax
Email				

* Company name as it appears on your W-9. **W-9 must be provided for payee with Best Practice Workbook.

ELECTRICAL ENGINEER

Company Name*		Consumers Energy Contractor ID (if known)		
Contact Name		Title		
Mailing Address				
City	State	ZIP	Phone	Fax
Email				

Application

Payment of Incentive

Company Name (as it appears on Consumers Energy bill)		Project #	
Customer Signature		Date	
Print Name		Title	

► Upon signing, I am stating that I have read and understand the Terms and Conditions set forth by this program.

Third Party Payment Release

Skip This Section If Rebate Check Will Be Made Payable To Customer

I authorize the payment of the incentive to the third party named below, and I understand that I will not be receiving the OWNER 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 catalog, Final Application agreement and Terms and Conditions.

Authorized By: Signature Date

Check should be made payable to: Individual/Company Name* Phone

Mailing Address

City State ZIP

Tax Status** Individual/Sole proprietor single-member LLC C Corporation Partnership LLC Enter Tax Classification
 S Corporation Trust/Estate Other

Tax ID Number Please provide your EIN/Federal Tax ID below.

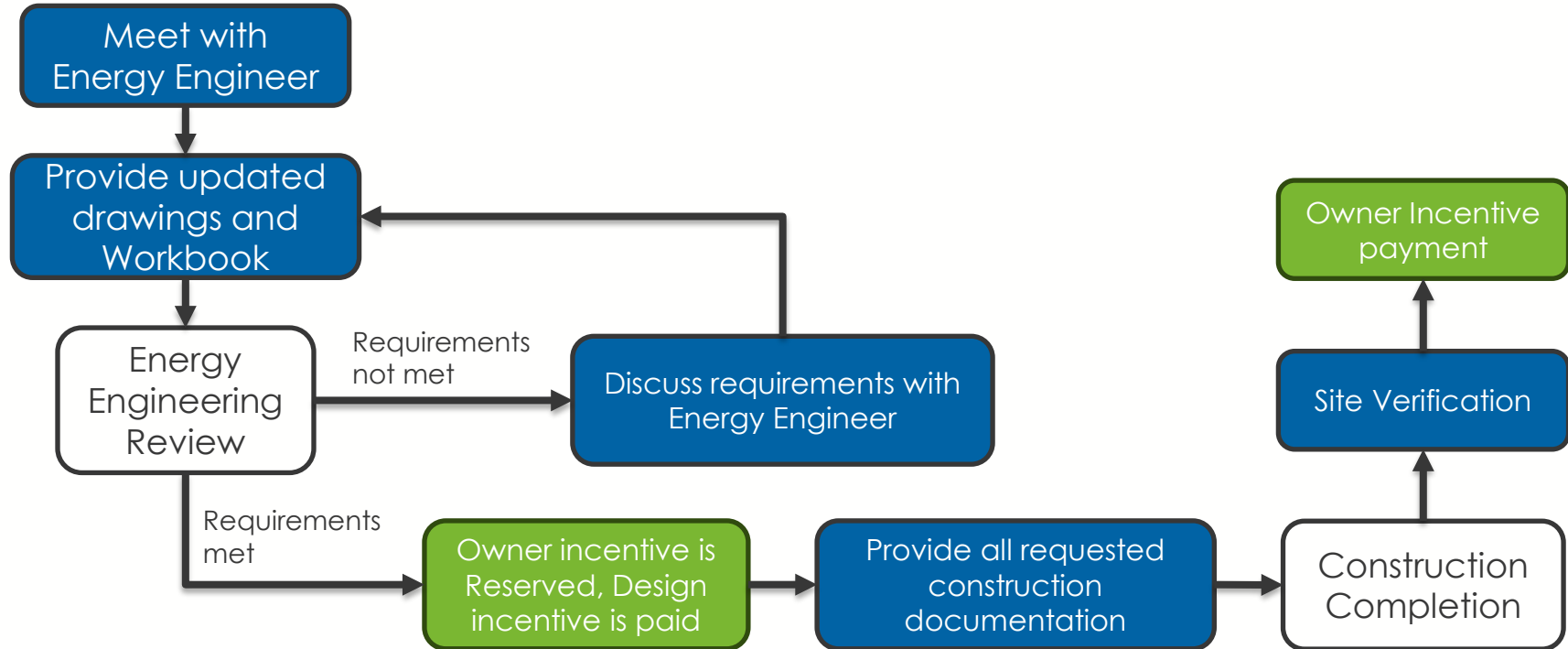
EIN/Federal Tax ID -

Exemptions

Payee Code FATCA Code

* Company name as it appears on your W-9. ** W-9 must be provided for payee with Best Practice Workbook

Technical Assistance Timeline



Requirements & Incentives

Multi-Family Best Practice

Instructions:

1. Enter your Multi-Family square footage (must be >= 5,000 sf). →
2. Complete this form by selecting measures to be installed.
3. Complete forms for any other area types.
4. Submit this form along with your application.

Multi-Family Square Feet:

BEST PRACTICE MEASURES

\$0.05/gsf

MEASURE INSTALLED BY:

Windows

Total vision glass area may not exceed 40% of the above-grade wall area.

Developer

Glazing assemblies (glass plus frame) area-weighted average:

- U-Factor 0.28
- SHGC 0.35 (South, East, and West only)

Class AW Windows:

- Fixed Window U-Factor 0.36
- Operable Window U-Factor 0.43
- SHGC 0.35 (South, East, and West only)

Storefront windows must meet code minimum performance.

Interior Lighting Power

Total lighting power density (LPD) in common areas shall not exceed 0.40 W/sf. For dwelling units, 90% of lamps and fixtures shall have minimum efficacy of 80 lumens per Watt.

Developer

Common Area Lighting Controls

Install occupancy controls (automatic on/off) capable of reducing lighting power of lobbies, corridors, and stairways by at least 50% after 5 minutes of non-occupancy.

Developer

Exterior Lighting Power

Install LED fixtures to achieve 0.03 Watts/sf or lower for parking and drive areas.

Developer

Cooling System Efficiency

Install efficient cooling equipment with rated efficiency 10% higher than code minimum or meeting [CEE Tier I requirements](#).

Developer

Fan Efficiency

Individual bath and utility fans: 6.0 cfm/W or higher.
Central fans over 1 hp: 0.82 W/cfm (constant) or 1.11 W/cfm (variable) or lower.

Developer

Multi-family Requirements

Best Practice Measures - \$0.05/GSF

- Window U-value
- Interior Lighting Power Density
- Common Area Lighting Controls
- Exterior Lighting Power
- Cooling System Efficiency
- Fan Efficiency

Advanced Measures

- Advanced Wall Assembly – \$0.02/GSF
- Heating System Efficiency - \$0.01/GSF
- Water heating – \$0.03/GSF
- Energy Star Appliances - \$0.01/GSF
- Advanced Thermostats - \$0.01/GSF
- Energy Recovery - \$0.01/GSF

Office Requirements

Best Practice Measures – \$0.09/GSF

- Window U-value
- Interior Lighting Power Density
- Interior Lighting Controls
- Exterior Lighting Power
- Exterior Lighting Controls
- Cooling System Efficiency
- Demand-controlled Ventilation
- Low-Flow Plumbing Fixtures

Advanced Measures

- Advanced Wall Assembly - \$0.02/GSF
- Advanced interior Lighting – \$0.01/GSF
- Heating Efficiency - \$0.02/GSF
- Task Tuning - \$0.02/GSF

Requirements & Incentives

Office Best Practice

Instructions:

1. Enter your office square footage (must be >- 5,000 sf). →
2. Complete this form by selecting Developer or Tenant installation.
3. Complete forms for other area types.
4. Submit this form along with your application.

Office Square Feet:

BEST PRACTICE MEASURES	\$0.09/gsf	MEASURE INSTALLED BY:	
Windows			
Total vision glass area may not exceed 40% of the above-grade wall area. Glazing assemblies (glass plus frame) area-weighted average:			
<ul style="list-style-type: none"> • U-Factor 0.28 • SHGC 0.35 (South, East, and West only) 			
Class AW Windows:			
<ul style="list-style-type: none"> • Fixed Window U-Factor 0.36 • Operable Window U-Factor 0.43 • SHGC 0.35 (South, East, and West only) 			
Storefront windows must meet code minimum performance.			
Interior Lighting Power			
Install LED fixtures to achieve 0.51 Watts/gsf or lower in office areas.			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Interior Lighting Controls			
Add occupancy sensors in open offices. Program lighting controls to full shutoff after 10 minutes for open office areas.			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Power			
Install LED fixtures to achieve 0.03 Watts/sf or lower for parking and drive areas.			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Controls			
Achieve 70% power reduction or greater during unoccupied nighttime periods through time-clock dimming, zone shutoff and/or motion controls.			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Efficient Cooling Equipment			
Install efficient cooling equipment with rated efficiency 10% higher than code minimum or meeting CEE Tier 1 requirements .			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Demand-controlled Ventilation			
Install ventilation controls based on CO2 sensors in open office areas, in addition to conference rooms and other high-occupancy spaces, and program control sequences to reduce outside air volume during periods of low occupancy.			
		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Low-flow Plumbing Fixtures			
Install low-flow plumbing fixtures. Kitchen and restroom faucets must be rated for 1.5 gallons per minute or less, and showerheads must be rated for 2.0 gallons per minute or less.			

Requirements & Incentives

Parking Garage Best Practice

Instructions:

1. Enter your warehouse or industrial square footage (must be >= 5,000 sf). →
2. Complete this form by selecting measures to be installed.
3. Complete forms for any other area types.
4. Submit this form along with your application.

Parking Garage Square Feet:

BEST PRACTICE MEASURES

\$0.04/gsf

MEASURE INSTALLED BY:

Interior Lighting Power

Install LED fixtures to achieve 0.10 Watts/gsf of installed lighting power or lower for parking garage areas.

Developer Tenant

Interior Lighting Controls

Install occupant sensor controls and daylight-responsive controls where required by code. Program occupant sensor lighting controls to 90% shut off after 5 minutes.

Developer Tenant

Exterior Lighting Power

Install LED fixtures to achieve 0.045 Watts/sf of outdoor surface parking and drive area or lower.

Developer Tenant

Exterior Lighting Controls

Achieve 70% power reduction or greater during unoccupied nighttime periods through time-clock dimming, zone shutoff, and/or motion controls.

Developer Tenant

+\$0.01/gsf

Advanced Interior Lighting

Further reduce to 0.06 Watts/gsf of installed lighting power.

Developer Tenant

+\$0.03/gsf

Advanced Ventilation Controls

Install carbon monoxide sensors and variable speed drives on primary exhaust fans and ventilation fans for heated parking garages. Program control sequences to continuously reduce outside air volume to 0.05 CFM/gsf during periods of light vehicle traffic.

Developer Tenant

+\$0.05/gsf

Heating Efficiency

Install efficient gas-fired heating equipment rated at 92% heating efficiency or higher, or install efficient electric heating equipment with rated efficiency meeting [CEE Tier I requirements](#).

Developer Tenant

Anticipated Incentive: \$

Parking Garage Requirements

Best Practice Measures - \$0.04/GSF

- Interior Lighting Power Density
- Interior Lighting Controls
- Exterior Lighting Power
- Exterior Lighting Controls

Advanced Measures

- Advanced interior Lighting - \$0.01/GSF
- Advanced Ventilation Controls - \$0.03/GSF
- Heating Efficiency - \$0.05/GSF

Retail Requirements

Best Practice Measures - \$0.15/GSF

- Interior Lighting Power
- Exterior Lighting Power
- Exterior Lighting Controls
- Efficient Cooling Equipment
- Demand-Controlled Ventilation

Advanced Measures

- Advanced Wall Assembly - \$0.02/GSF
- Advanced Interior Lighting - \$0.02/GSF
- Advanced Heating Efficiency - \$0.02/GSF
- Task Tuning - \$0.02/GSF
- Efficient Refrigerated Cases - \$25/ft of case

Retail and Grocery New Construction Workbook

Valid through December 31, 2024

Requirements & Incentives

Retail and Grocery Best Practice

Retail Square Feet:

Instructions:

1. Enter your warehouse or industrial square footage (must be >= 5,000 sf). →
2. Complete this form by selecting Developer or Tenant installation.
3. Complete forms for other area types.
4. Submit this form along with your application.

Linear Feet of Refrigerated Cases:

BEST PRACTICE MEASURES	\$0.15/gsf	MEASURE INSTALLED BY:	
Interior Lighting Power Install LED fixtures to achieve 0.68 Watts/gsf or lower for retail areas.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Power Install LED fixtures to achieve 0.045 Watt/sf or lower for parking and drive areas.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Controls Achieve 70% power reduction or greater during unoccupied nighttime periods through time-clock dimming, zone shutoff, and/or motion controls.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Efficient Cooling Equipment Install efficient cooling equipment with rated efficiency 10% higher than code minimum or meeting CEE Tier 1 requirements .		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Demand-Controlled Ventilation Install ventilation controls based on CO ₂ sensors in sales areas and program control sequences to reduce outside air volume during periods of low occupancy.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Advanced Wall Assembly Achieve assembly U-value of 0.06 Btu/hr-ft ² -°F in mass walls or 0.043 Btu/hr-ft ² -°F in steel framed wall construction.	+0.02/gsf	<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Advanced Interior Lighting Further reduce to 0.58 Watts/gsf of installed lighting power.	+0.02/gsf	<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Advanced Heating Efficiency Install efficient gas-fired heating equipment rated at 96% heating efficiency or higher, or install efficient electric heating equipment with rated efficiency meeting CEE Tier 1 requirements or beyond.	+0.02/gsf	<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Task Tuning Implement task tuning (high-end trim) controls to reduce maximum light level to achieve design illuminance level	+0.02/gsf	<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Efficient Refrigerated Cases Install efficient cooler cases and freezer cases that use 25% less energy (kWh/day) than code maximum energy use (see IECC 2015 Table C403.2.14(2)).	+\$25/ft of case	<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant

Anticipated Incentive:

2

01/2024

Need help?
Call 877-407-0737
or Email ConsumersEnergyBusinessSolutions@cmsenergy.com

 Count on Us®

Requirements & Incentives

Warehouse Best Practice

Instructions:

1. Enter your warehouse or industrial square footage (must be >= 5,000 sf). →
2. Complete this form by selecting Developer or Tenant installation.
3. Incentive amount will be automatically calculated below.
4. Complete forms for office and all other area types.
5. Submit this form along with your application.

BEST PRACTICE MEASURES	\$0.10/gsf	MEASURE INSTALLED BY:	
Interior Lighting Power Install LED fixtures to achieve 0.28 Watts/gsf or lower for warehouse areas.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Interior Lighting Controls Install fixture-mounted occupancy sensors and program for full shutoff within 10 minutes		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Power Install LED fixtures to achieve 0.03 Watt/sf or lower for parking and drive areas and 8 Watts/ft (linear) or lower for pedestrian and vehicular entrances and exits.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
Exterior Lighting Controls Achieve 70% power reduction or greater during unoccupied nighttime periods through time-clock dimming, zone shutoff, and/or motion controls.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
High-Efficiency Cooling Equipment Install efficient cooling equipment with rated efficiency 10% higher than code minimum or meeting CEE Tier I requirements.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
High-Efficiency Gas Heating Equipment Install heating equipment with rated thermal efficiency of 92% or higher.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
Advanced Wall Assembly Achieve assembly U-value of 0.06 Btu/hr-ft ² -°F in mass walls (e.g. by specifying 3" insulation in precast wall panels and minimizing thermal bridging through solid sections) or 0.043 Btu/hr-ft ² -°F in steel framed wall construction.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.03/gsf		
Advanced Interior Lighting Further reduce to 0.18 Watts/gsf of installed lighting power.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant
	+\$0.02/gsf		
Demand-Controlled Ventilation Install ventilation controls based on CO2 sensors to reduce outside air volume during periods of low occupancy.		<input type="checkbox"/> Developer	<input type="checkbox"/> Tenant

Anticipated Developer Incentive: \$

Warehouse Requirements

Best Practice Measures - \$0.10/GSF

- Interior Lighting Power
- Interior Lighting Controls
- Exterior Lighting Power
- Exterior Lighting Controls

Advanced Measures

- Cooling Equipment - \$0.02/GSF
- Gas heating equipment - \$0.02/GSF
- Advanced Wall Assembly - \$0.02/GSF
- Advanced Interior Lighting - \$0.03/GSF
- Demand Controlled Ventilation - \$0.02/GSF

Design Team Payment

Submit this form accurately
to receive a payment of
\$5,000!

Warehouse New Construction Workbook

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Design Team Workbook

Design Team Participation: \$5000

To receive the design team incentive, the design team representative must, at a minimum, complete this form accurately by design completion. Projects must exceed the requirements of 2015 International Energy Conservation Code® sections C402-C405, C406.3 (10% reduced lighting power) and C408.

Submit this completed form

Project Name:	<input type="text"/>	SUBMISSION PHASE
Project Contact:	<input type="text"/>	<input type="checkbox"/> Interim Design Review Submission (optional)
Date:	<input type="text"/>	<input type="checkbox"/> Design Completion
		<input type="checkbox"/> Construction Completion

Required Information

Operating Schedule:	<input type="text"/> hours per week	
Warehouse* Floor Area:	<input type="text"/> gross square feet	Exterior Wall Area: <input type="text"/> gross square feet
Skylight Area:	<input type="text"/> % of gross floor area	Wall Assembly U-value: <input type="text"/> Btu/hr-ft ² -°F
Parking and Drive Area:	<input type="text"/> gross square feet	Window Area: <input type="text"/> % of gross wall area
Warehouse Lighting Power Density:	<input type="text"/> watts/gsf installed	<input type="checkbox"/> Attach schedule of fixture designation, type, watts, and count
Warehouse Lighting Controls:	<input type="text"/> % automatic power reduction after <input type="text"/> minutes of vacancy	
Exterior Lighting Power:	<input type="text"/> total watts installed	<input type="checkbox"/> Attach schedule of fixture designation, type, watts, and count
Exterior Lighting Controls:	<input type="text"/> % automatic power reduction during nighttime hours	<input type="checkbox"/> Attach sequence of operations
Primary HVAC System Type:	<input type="checkbox"/> MAU <input type="checkbox"/> RTU <input type="checkbox"/> Other:	<input type="text"/>
Heating Set Point Temperature:	<input type="text"/> °F	Cooling Set Point Temperature: <input type="text"/> °F or <input type="checkbox"/> N/A
Heating Efficiency:	<input type="checkbox"/> Attach schedule of equipment type, capacity, efficiency, and count	Cooling Efficiency: <input type="checkbox"/> Attach schedule of equipment type, capacity, efficiency, and count

*See separate workbooks for other space types.

** If a project includes multiple building types, design team only gets \$5000. The design team will not receive \$5000 for filling out multiple Best Practice design team worksheets.

Key Items to Remember

- Bring your projects to our team **early in design**
- Stay engaged with our technical team throughout the design process

Building Type	Incentive Rate	Design Incentive
Multi-Family and Assisted Living	Measure are incentivized at \$0.05/gross square feet (gsf) of Multi-Family space with additional incentives available for optional advanced measures	Design firms can earn \$5000 for the accurate submission of design workbooks for each building type.
Office or Medical Office	Measure are incentivized at \$0.09/gross square feet (gsf) of Office space with additional incentives available for optional advanced measures	
Parking Garage	Measure are incentivized at \$0.04/gross square feet (gsf) of Parking Garage space with additional incentives available for optional advanced measures	
Retail and Grocery	Measure are incentivized at \$0.15/gross square feet (gsf) of Retail and Grocery space with additional incentives available for optional advanced measures	
Warehouse and Industrial	Measure are incentivized at \$.10/gross square feet (gsf) of Warehouse and Industrial space with additional incentives available for optional advanced measures	

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Questions?

Thank you!