

COMMERCIAL SECTOR MEASURE UPDATES AND NEW DOCUMENTS

Brown Bag Part 1 of 2
October 21, 2015



WHAT'S NEW FOR COMMERCIAL MEASURES?

REFRIGERATION

Refrigeration measures now in the IM

HVAC

HVAC measures revised and simplified

PIFs

New Project Information Forms

QPLs

New Qualified Products Lists

REFRIGERATION

- ❖ The deemed refrigeration retrofit measure section has been expanded to include requirements and payments which were previously available only via The Energy Smart Grocer program
- ❖ ESG ends March 31, 2016 following a six month close out period beginning October 1, 2015

HVAC

Ductless Heat Pumps

- ❖ Edits to requirements, specifications were made to provide clarity
- ❖ Streamlined payment table to simplify utility implementation

Advanced Rooftop Controls

- ❖ Added additional product option: ARC-Lite
- ❖ Introduced a QPL
- ❖ Streamlined payment table to simplify utility implementation

HVAC

Web-enabled Programmable Thermostats

- ❖ Added clarifying language to distinguish between two baselines: non-programmable thermostats and programmable thermostats which are not web enabled
- ❖ Introduced a QPL to simplify utility implementation

Unitary Air Conditioning

- ❖ Changed payment table from unit to tons/unit to be consistent with all of the sector measures

Heat Pumps

- ❖ Added clarifying language to simplify utility implementation specific to the commercial heat pump tool

OTHER UPDATES

- ❖ Commercial electric hot water heaters: relocated from the multi-sector portion to the commercial sector section of the IM
- ❖ LED Traffic Signal measure expires on Sept. 30, 2016 but will still be eligible for reporting through the non-residential lighting program as non-standard measures
- ❖ Networked Computer Power Management now permits qualifying laptop computers

PIFS

Upload Your Image Here

Ductless Heat Pump

For small commercial locations with electric resistance heat

Official Use Only:
Customer ID:

Business Information Form

To be completed by utility account holder and installation contractor. Answer the following questions based on the small commercial location. All fields are required. This program is focused on energy savings for small commercial spaces that are upgrading an HVAC system.

Contact Information

Business Name: Phone:

Site Address: City/State/Zip code:

Site Information

Business Type (Please Describe):

Hours of Operation: Square footage of the conditioned floor area of the building: Number of stories:

Does the site have a natural gas meter? Yes No List any gas uses (stoves, fireplace, grill, heat, ect.):

Has the same tenant or business type occupied the site for at least 24 months? Yes No

If no, please explain:

Year building was constructed: Does the site have air conditioning? Central Zonal None Has the site been weatherized/insulated? Yes No If yes, what year?

	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
What type of heat does the zone have?					
List any large electrical equipment in this zone					
Building level location of DHP					

Installation Information

Contractor company name: Date of Installation:

Total installed cost (including equipment, labor, electrical, tax, permit, and other costs, prior to rebate):

Material Cost: Labor Cost: Tax Cost: Permit Cost: Other Cost:

Total number of indoor units installed: Total nominal heating capacity of outdoor units installed (Btu/hr):

Detailed Description of System Installed to Serve Main Occupied Area:

Outdoor unit manufacturer: Outdoor unit model number:

Refrigerant added (over manufacturer's pre-charge):

Associated Indoor units	Indoor unit model number(s)	Energy efficiency rating	Heating capacity (Btu/hr)	Installed line set length (ft)	Zone square footage (ft)	Zone room description
Indoor unit 1						
Unit 2 (if installed)						
Unit 3 (if installed)						
Unit 4 (if installed)						
Unit 5 (if installed)						

Note: Equipment installed **MUST** be either a dual zone or single zone system, or two single zone systems.

LOGO

Ductless Heat Pump

Project Information Form

For Commercial Locations

Instructions: Complete this form and submit it to the serving electric utility. **Boxes with bold outlines** indicate BPA requirements.

BUSINESS AND SITE INFORMATION

Business Name		Address	
State	Zip		
Operating hours per week	Operating weeks per year:	Holidays observed per year:	
Considering the above, estimate the number of operating hours per year: _____			
<i>The business must operate between 2,000 and 5,760 hours per year to qualify.</i>			

BUILDING INFORMATION

Qualifying buildings must meet the requirements below.

The building was constructed before 2009 <small>Check the box if this statement is correct. If not, the equipment is not eligible for incentives.</small>	<input type="checkbox"/> Yes
The existing heat source is electric resistance (either zonal or forced air) <small>Check the box if this statement is correct. If not, the equipment is not eligible for incentives.</small>	<input type="checkbox"/> Yes
The estimate square footage of the conditioned area is less than 20,000 sq. ft. <small>Check the box if this statement is correct. If not, the equipment is not eligible for incentives.</small>	<input type="checkbox"/> Yes

NEW EQUIPMENT INFORMATION

Complete the information for each installed DHP.

	DHP 1	DHP 2	DHP 3	DHP 4
DHP manufacturer				
DHP model number				
Heating capacity in tons				

INSTALLER INFORMATION

Company Name	Total Installed Cost (before rebate) including equipment, labor, permit and tax
By signing this form, I confirm that the above information is correct to the best of my knowledge.	
Installer Signature	Date

Ductless Heat Pump Project Information Form
09/30/2015
1

PROJECT INFORMATION FORMS

Ductless Heat Pump
Project Information Form
For Commercial Locations

LOGO

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Ductless Heat Pump Project Information Form 09/30/2015 1

Word format easy to edit and customize

Bold outlines for requirements

Installer attestation

Document dated for version control

QUALIFIED PRODUCT LISTS

Shortcut: A list of qualified products that meet IM requirements


QPLs currently available for WEPT, ARC and Hot Water Heaters

Have a product to recommend? Contact Mira Vowles or John Wilson

B O N N E V I L L E P O W E R A D M I N I S T R A T I O N

Web-Enabled Programmable Thermostat Qualified Products List

Revised 10/5/2015



For a full list of requirements and specifications, please refer to the current BPA Implementation Manual.

Approved Qualified Products

Manufacturer	Model
DreamWatts	Thermostat
Ecobee	Commercial EMS
Ecobee	EMS SI
Honeywell	Vision Pro 8000 with Gateways for web-enabling
Honeywell	WiFi Vision Pro 9000
Honeywell	Prestige Wireless
Kite & Lightning	UNITY System
Profile Systems	P1900
Proliphix	Internet Managed Thermostats (IMT) 550 hard-wired wi-fi model
Transformative Wave	CATALYST BMS
Venstar	EMS

Non-Approved WEPT Products

Manufacturer	Model	Reason product doesn't qualify
Nest	Learning Thermostat	Product is designed for residential applications; it doesn't meet fan-on during occupied-periods and fan-auto during unoccupied-periods requirements to meet commercial ventilation code.
EcoFactor	N/A	Product is designed for residential applications; product is intended to work with Internet-connected thermostats from "most manufacturers", its qualification will depend on the thermostat's capabilities and whether it meets the commercial ventilation code requirements.
Emerson Sensi	Wi-Fi thermostat	Product is designed for residential applications; it doesn't meet fan-on during occupied-periods and fan-auto during unoccupied-periods requirements to meet commercial ventilation code.
Honeywell	Wifi Residential thermostats	Product is designed for residential applications; it doesn't meet fan-on during occupied-periods and fan-auto during unoccupied-periods requirements to meet commercial ventilation code.

For more information about qualified WEPT products, products that do not appear on the list, or other questions, please contact Mira Vowles at mkvowles@bpa.gov

IM DOCUMENT LIBRARY

- Commercial Sector

Project Information Forms

[Unitary Air-Conditioning Equipment Project Information Form](#)

[Advanced Rooftop Control Retrofit Project Information Form](#)

[Advanced Rooftop Control Lite Retrofit Project Information Form](#)

[Demand Controlled Kitchen Ventilation Project Information Form](#)

[Heat Pump Water Heater Project Information Form](#)

[Web-enabled Programmable Thermostats Project Information Form](#)

[Window Retrofit Project Information Form](#)

[Ductless Heat Pumps Project Information Form](#)

[Generator Block Heater Project Information Form](#)

[Vehicle Block Heater Project Information Form](#)

[Commercial Insulation Project Information Form](#)

Tools

[BPA Qualified Commercial Heat Pump Tool V1.61](#)

Program Sign Up/Close out Forms

[Energy Smart Grocer Program Sign-up Form FY2014-FY2015](#)

[Energy Smart Grocer Program FY2016 Close-out Form](#)

Qualified Products Lists

[Advanced Rooftop Control Retrofit QPL](#)

[Advanced Rooftop Control Lite Retrofit QPL](#)

[Commercial Water Heater QPL](#)

[Web Enabled Programmable Thermostat QPL](#)

Other

[Commercial Sector Measure Distribution Documentation Form](#)

New Project Information Forms

New Qualified Products Lists

<http://www.bpa.gov/EE/Policy/IMManual/Pages/IM-Document-Library.aspx>

COMING UP

- ❖ **New Commercial Program Update** Brown Bag
November 12
- ❖ **HVAC Measures and Implementation** Brown Bag
December 2
 - ❖ Introducing new marketing materials and user-guides!

THANK YOU!
QUESTIONS?