



Mission Valley Power Commercial Ductless Heat Pump 2019

Date ____/____/____

Account # _____ Location # _____

Name: _____

Address: _____ Phone _____

City _____ State _____ Zip _____

Address & Phone # where installed:

Address: _____ Phone _____

City _____ State _____ Zip _____

New Construction: Yes No Upgrade: Conversion: Year Built; _____

Existing Heating System: None Zonal Furnace Boiler

Fuel Type: Electric Fuel Oil Propane Wood Other

Manufacturer: _____ Model Number: _____

Installed EER Rating: _____ Installed HSPF Rating: _____

Heating System: _____ X \$800.00 per ton = \$ _____
Amount Due

Credit \$\$ to electric account Pay \$\$ to customer SS# _____

- See Commercial DHP guidelines on page 2
- Include copy of Receipt and Yellow Energy Guide Label from outside unit.
- Include completed Business Owner's Information form.

I certify that this appliance was purchased for installation at the above address. I will allow a representative of Mission Valley Power and Bonneville Power to verify installation of the energy efficient appliance.

Installer Signature

Homeowner Signature

Utility Representative Signature

* Allow up to 8 weeks for the billing credit to be applied to your account or check to be issued after receiving completed form and required documentation.

Ductless Heat Pumps in Commercial Buildings 2019 (MVP & BPA Qualified)

Commercial DHP Requirements and Specifications

Qualifying applications for DHPs include those installed in commercial areas that meet the following requirements:

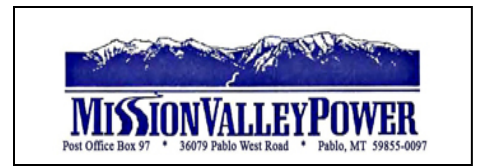
- The building (thermally isolated space) conditioned by the DHP have the following characteristics:
 - Less than 20,000 square feet of conditioned floor area
 - A construction date before 2007
 - Individual metering by an electric utility or the ability to meter electric usage separately from other occupied adjoining building(s)
- The zone conditioned by the DHP must have the following characteristics:
 - Electric resistance heat
 - Operation hours of at least 40 hours/week
 - No commercial kitchens, commercial refrigeration or process loads (including data or server rooms), where the total connected load is over five watts per square foot
- Installed DHPs must have the following characteristics:
 - An inverter driven outdoor compressor unit and a variable speed fan or indoor blower
 - Fully ductless
 - Installation per the manufacturer's specification and code by a qualified contractor

Reimbursement is \$800.00 per ton of installed outdoor unit heating capacity for each DHP unit serving a qualified indoor space. To determine tonnage, divide installed BTU capacity by 12,000 and round up or down to the nearest tenth.

Ductless Heat Pumps (DHP)

Project Information Form

For Commercial, Industrial, and Agricultural Applications



Instructions: Complete this form and submit it to the serving electric utility. Incentives are only available for retrofits; new construction projects are not eligible.

BUSINESS AND SITE INFORMATION

Customer Name	
Installation Address (Street, City, State, Zip)	
Customer Phone Number	

EXISTING EQUIPMENT INFORMATION

Existing Equipment Information	Space 1	Space 2	Space 3
The space conditioned by the new DHP was heated by either zonal or forced air electric resistance heat as the primary system	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)
The space conditioned by the new DHP was previously conditioned by an air source, ground source, or ductless heat pump.	<input type="checkbox"/> Yes (If "Yes", project is not eligible for incentives) <input type="checkbox"/> No	<input type="checkbox"/> Yes (If "Yes", project is not eligible for incentives) <input type="checkbox"/> No	<input type="checkbox"/> Yes (If "Yes", project is not eligible for incentives) <input type="checkbox"/> No
The space conditioned by the new DHP was <u>previously</u> conditioned by an air source, ground source, or ductless heat pump that is no longer working, and is <u>currently conditioned</u> by backup zonal or forced-air electric resistance heat	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

NEW EQUIPMENT INFORMATION

DHP Information	Space 1	Space 2	Space 3
The DHP installed is on the Qualified Products List available at: https://www.bpa.gov/EE/Policy/Manual/Pages/IM-Document-Library.aspx (Note: For multihead systems, the outdoor unit must be listed on the Qualified Products List)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)	<input type="checkbox"/> Yes <input type="checkbox"/> No (If "No", project is not eligible for incentives)
Manufacturer			
Model			
Outdoor unit cooling capacity (tons)			

INSTALLER INFORMATION

Company Name	
Installer Signature	
Total Installed Cost (before rebate) including equipment, labor, and purchase date. Please include invoice with this project form.	
Date	

By signing this form, I confirm that the above information is correct to the best of my knowledge.

BPA Heat Pump Specification

Version 10/1/2017



Applicable to: Commercial Heat Pump Upgrades and Heat Pump Conversions

Note: Selected equipment must meet both cooling and heating Tier requirements (if listed)

Specification last updated 4/2017

Heat Pumps - Air Source

Equipment Size (Btu/h)	Mode	Heating Type	Subcategory	Tier 1 (High Efficiency)	Tier 2 (Highest Efficiency)
<65,000	Cooling Mode	All	Split System	15 SEER	16 SEER
		All	Single Package	15 SEER	16 SEER
	Heating Mode	-	Split System	8.5 HSPF	9 HSPF
		-	Single Package	8 HSPF	8.2 HSPF
≥65,000 and <135,000	Cooling Mode	Electric Resistance (or None)	Split System and Single Package	12.2 IEER	13.6 IEER
		All Other	Split System and Single Package	12 IEER	13.4 IEER
	Heating Mode	-	47°F db/43°F wb Outdoor Air	3.4 COP	N/A
		-	17°F db/15°F wb Outdoor Air	2.4 COP	N/A
≥135,000 and <240,000	Cooling Mode	Electric Resistance (or None)	Split System and Single Package	11.6 IEER	N/A
		All Other	Split System and Single Package	11.4 IEER	N/A
	Heating Mode	-	47°F db/43°F wb Outdoor Air	3.2 COP	N/A
		-	17°F db/15°F wb Outdoor Air	2.1 COP	N/A
≥240,000 and <760,000	Cooling Mode	Electric Resistance (or None)	Split System and Single Package	10.6 IEER	N/A
		All Other	Split System and Single Package	10.4 IEER	N/A
	Heating Mode	-	N/A	N/A	N/A

Heat Pumps - Water Source

Equipment Size (Btu/h)	Mode	Heating Type	Subcategory	Tier 1 (High Efficiency)	Tier 2 (Highest Efficiency)
<135,000	Cooling Mode	All	86° Entering Water	14 EER	N/A
	Heating Mode	-	68° Entering Water	4.6 COP	N/A

SEER—Seasonal Energy Efficiency Ratio

EER—Energy Efficiency Ratio

HSPF— Heating Seasonal Performance Factor

IEER—Integrated Energy Efficiency Ratio

COP—Coefficient of Performance

db—Dry Bulb

wb—Wet Bulb

The BPA specification is based on the Consortium for Energy Efficiency (CEE) Commercial Unitary Air-conditioning and Heat Pumps Specification, last updated January 12, 2016. BPA is a member of the CEE High Efficiency Commercial Unitary Air-conditioning and Heat Pump Initiative. As part of this Initiative, BPA has adopted CEE's Tier 1 and Tier 2 convention, in addition to a part-load metric in order to focus on energy efficiency savings rather than peak energy savings. More information about CEE can be found at <http://www.cee1.org/>