Heat Pump Conversion

Project Information Form

For Commercial, Industrial, and Agricultural Applications

MISSION VALLEY POWER
Post Office Box 97 • 36079 Pablo West Road • Pablo, MT 59855-0097

Instructions: Complete this form and submit it to the serving electric utility. Retrofits are eligible for incentives. New construction applications are not eligible.

BUSINESS AND SITE INFORMATION

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

EXISTING EQUIPMENT INFORMATION

Existing Equipment Information	
Was area conditioned by heat pump previously heated with electric resistance heat?	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)

NEW EQUIPMENT INFORMATION

New Equipment Information	**Heat Pump 1**	**Heat Pump 2**	**Heat Pump 3**
The heat pump installed meets BPA's Heat Pump Tier 1 or Tier 2 Specification available at: https://www.bpa.gov/EE/Policy/IManual/Pages/IM-Document-Library.aspx	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)
The heat pump installed is an air-to-air heat pump system, 20 tons or less of cooling capacity	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)	☐ Yes ☐ No (*If "No", project is not eligible for incentives*)
Heat pump manufacturer			
Heat pump model			
Tons of cooling capacity			

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.

Mission Valley Power
Commercial Ductless Heat Pump

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 (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.

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

Eqiuipment 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

Eqiuipment 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/