

Residential Sector Update

Utility Roundtable

March 1, 2012

Stephanie Vasquez – Program Manager,
Performance Tested Comfort Systems & Heat Pump Water Heaters



Overview

- Heat Pump Water Heaters
- Ductless Heat Pumps
- Performance Tested Comfort Systems
- Ground Source Heat Pumps
- Implementation Manual Changes

Heat Pump Water Heaters

- They're here! April 1 Implementation Manual
- New construction and existing single family
- In existing homes, HPWH must replace an electric storage water heater.
- Must be listed on BPA's qualified products list
 - (Northern Climate Specification, Tier 1)
- Ducted HPWHs do not qualify.

Heat Pump Water Heaters

Tank Size (gallons)	Installation location, Home heating system	Busbar savings (kWh/yr)	Reimb.
50-75	Unheated buffer space,* n/a	960	\$300.00
	Interior, non-electric home heat	1687	
	Interior, heat pump	1297	
	Interior, zonal electric resistance	707	
	Interior, electric forced air furnace	607	
Greater than 75	Unheated buffer space, n/a	1975	\$500.00
	Interior, non-electric home heat	2366	
	Interior, heat pump	1839	
	Interior, zonal electric resistance	1044	
	Interior, electric forced air furnace	908	

Heat Pump Water Heaters

- **BPA Brown Bag: Tues, March 20, noon-1 pm**
 - Specification/documentation requirements
 - Marketing materials, HPWH form
 - Information on NEEA's Tier 2 program
- April 1 Implementation Manual
- www.bpa.gov/hpwh for program materials
- *Contact Stephanie Vasquez for more information*

Ductless Heat Pump Pilot Status Report

BPA Emerging Technology/Engineering projects

Targeted delivery: September 2012

- Single Family w/FAF
- Manufactured Homes w/ FAF
- Cold Climate units

Targeted delivery: February 2013

- Multifamily w/ zonal electric
- Small Commercial applications

Ductless Heat Pumps Transition

- **BPA Brown Bag, Thurs. March 15, noon-1pm**
- Transition Summary
 - Utilities will collect and retain forms
 - EE Central will serve as site registry
 - QC will be automated
 - NEEA will continue QA, Marketing support
 - www.nwductless.com will stay active
- *Contact Mark Johnson for more information*

Performance Tested Comfort Systems®

- Ecos program management has ended
 - Same phone number
 - Same registry www.ptcsnw.com
 - Email is now reshvac@bpa.gov
 - www.bpa.gov/reshvac for all other info
- BPA will provide QA guidance in the IM
- **Utility Brown Bag will be announced soon**
- *Contact Stephanie Vasquez for more information*

Ground Source Heat Pumps

- HZ 1 – negative change notice April 1, effective October 1, 2012
- GSHP from FAF – eligible with better savings than before
- GSHP from ASHP were due to expire April 1, but we have BPA qualified them – too valuable to let them go away
- **Details at PTCS Utility Brown Bag**



Implementation Manual Changes

Measure	Previous
Heat Pump Water Heaters	Tier 1 (integrated units) added as eligible measures.
Geothermal Heat Pumps	Effective October 1, 2012, "Ground Source Heat Pump System Installation Standards" (dated October 4, 2011)
Geothermal Heat Pumps	Effective October 1, 2012, geothermal heat pumps will not be a qualifying measure in heating zone 1.
PTCS heat pumps	New Construction homes qualify for heat pump measures.
PTCS	BPA's "PTCS Program Requirements" have replaced the RTF "PTCS Provider Standard."
PTCS	Effective October 1, 2012, customers will be responsible for quality assurance inspections for PTCS projects in their territory.
PTCS GSHP	GSHP with FAF baseline & GSPH with ASHP baseline remain

Questions and Contacts

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