

PTCS Online Registry: How to Enter & Search for Jobs



https://ptcs.bpa.gov/

- It is a the primary online tracking tool for the PTCS and Prescriptive Duct Sealing Programs.
 - Technicians enter all completed work here
 - Utilities review completed work here
 - Tracks status of Certified Technicians
 - Tracks quality assurance inspections



Program Process

Tech or admin staff enters data in the <u>PTCS</u> <u>Online Registry</u>

Certified Technician Completes the installation or sealing Contractor submits required documentation to the customer Utility



Contents

- Before you start!
- Enter a job
- Enter a job for another user
- Troubleshoot
- Search for a completed job
- Find the Registry Installation Report
- Documentation requirements
- Notify utility of the completed job





Before you start!

- Verify the online account is for the appropriate technician
- Ensure the account allows you to enter a job
 - To verify, go to the "My Account" tab and check to see if "Contractor" is listed as a role.
 - If it's activated, contact the ResHVAC team by email at <u>ResHVAC@bpa.gov</u> or call 1.800.941.3867.



Enter a Job

- I) Log in to installing technician's account at <u>ptcs.bpa.gov</u>
- Click "Enter a Project" or hover over "Contractors" and select "Enter a Job"





Site Address

- 3) Enter the install address
 - Street Address 2" is for lot numbers.
- 4) Click "Next"
 - If the address does not validate, send PTCS form to BPA for entry by fax to 877.848.4074 or email to <u>ResHVAC@bpa.gov</u>.

		Site Address
	Street Address	
	Street Address 2	
"Street Address 2" field	City	
used for fot numbers.	State	\checkmark
	Zip Code	
		Owner mailing address is different from site address
		Disable Address Verification
		Next



Site Address

- 5) Click the link of the correct address based on your input.
 - Address not listed? Click "Previous" to edit or contact the ResHVAC team.





Site Details

- 6) Enter all site details
- 7) "Existing Heating System Type":
 - Duct Sealing
 Indicate heating system at the time of sealing
 New site built: select newly installed heating system
 Heat Pump Install
 - Existing site built: select heating system being replaced

Site Details					
Home Type	Site Built (Existing)				
Heated Square Footage	999				
Foundation Type	Crawlspace V				
Existing Heating System Type Being Replaced	Electric Forced Air w/out AC				
If new home, indic	cate heating system installed.				
Backup Heating System Type	None 🗸				
Electric Utility	Consumers Power Inc.				
	Previous Next				



Measure Type

- 8) Select the measure type
 - Measure option not available: Options only appear if your certification is updated on your account.**
 - Previous approved or pending jobs limits any additional entry of this measure.
 - Job in progress: The installing tech saved the entry progress for this measure at this site.
 Enter Site Address
 Start a PTCS Duct Sealing form

**Contact the PTCS Team if you don't see an option, but you or the technician received training.

Enter Site Address	Start a PTCS Duct Sealing form
Choose Site	Start a Prescriptive Duct Sealing form
Create New Site / Verify Site Info Site Details	Start an Air-Source Heat Pump form * Maximum # of Heat Pump measures in the status of 'Pending' or 'Accepted'
Funding Program Site Complete	Start a Ground-Source (Water to Air) Heat Pump form * Maximum # of Heat Pump measures in the status of 'Pending' or 'Accepted'
	Start a Ground-Source (Water to Water) Heat Pump form * Maximum # of Heat Pump measures in the status of 'Pending' or 'Accepted'
	Previous Next



Measure Details: Air Source Heat Pump

	Certificate information		
	Completed Date		
	Sit	te Data	
	NEW HEAT PUMP DATA		
	AHRI Number		
Entering AHRI number will	SEER		
auto-populate all this	HSPF		
information	EER		
\longrightarrow	UNIT INFORMATION		
If the AHRI is not recognized	Make		
	Model		
please contact program staff	Capacity (Tons)		
for support.	INDOOR UNIT		
	Model		
	VALIDATE SYSTEM		
	Heat Pump Stage(s)	~	
	Balance Point	Provide BP documentation to utility.	

Measure Details: Air Source Heat Pump, *con*'

Measurement unit type will apply to ESP and TrueFlow Test

CFM per Ton is calculated by the
registry: it accepts range of 325 to 500
CFM/ton and rejects jobs outside of
that range.

If Variable Speed and lower than 325, please contact BPA for support.

Temperature Split and Subcooling calculated using calculations from R-410A tables (located online).

		Airflow Test
etails: Pump, cor	Did you perform all tests in Test Only/Check Charge mode? Return Static Pressure Supply Static Pressure	
	External Static Pressure	
Ш	Test measured in	Use same units for TrueFlow test.
		TrueFlow Test
v Test.	Т	rueFlow Test Steps
	NSOP	
	Plate Size	×
by the	Plate Location	×
by the	TFSOP	
f 325 to 500	Plate Pressure	
outside of	Calculated CFM per Ton	
	Refrie	gerant Charge Check
an 325, please	Outside Air Temp (F)	
	Mode Tested	Heating 🗸
	Supply Temp	
	Return Temp	
1.	Calculated Temperature Split	
cooling		Controls Setup
ns from R-410A	Is the low ambient lockout control (LAL) set to 5 degrees or less?	~
	Auxiliary (strip) heat lockout has been set to:	\checkmark
	Indoor Thermostat Make	
	Indoor Thermostat Model	
	Is this a Multiple Capacity Compressor System?	✓

Measure Details: PTCS Duct Sealing

Leakage is calculated using the ring size and fan pressure. Calculated reduction is based on the calculated leakage and home square footage.

Duct blaster fan pressure is not the house pressure.

Completed Date: Percent of ducts in conditioned space: Percent of ducts in conditioned space: ✓・ Duct Sealing Data ✓・ Type of ducts sealed: ✓・ St this information provided for Record Only? ✓・ What type of equipment did you use? ✓・ # of Supplies ・ # of Returns ・ Duct Insulation ✓・ House Pressurization: 50 Pa Other: Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1,78Pa Fan Pressure, 364 CFM) Pre-Test Pre-Test Leakage Requirements • Pre-Test Ring: • select - • Pre-Test Ring: • select - • Post-Test Ring: • select - • Post-Test Fan Pressure: (CFM ₅₀) * Post-Test Fan Pressure: (Pa) * · Post-Test Fan Pressure: (Pa) * · Post-Test Fan Pressure: (CFM ₅₀) * · Post-Test Flow: (CrM ₅₀) * · Post-Test Flow:<
Percent of ducts in conditioned space: ✓ Duct Sealing Data Type of ducts sealed: ✓ Is this information provided for Record Only? ✓ What type of equipment did you use? ✓ # of Supplies # of Returns Duct Insulation ✓ House Pressurization: 50 Pa Other: Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) Pre-Test Ring:
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Duct Sealing Data Type of ducts sealed: Is this information provided for Record Only? What type of equipment did you use? # of Supplies # of Supplies # of Supplies # of Supplies # of Returns Duct Insulation V+ House Pressurization: Notes on Testing Duct Leakage Test: Duct Daster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-Test Pre-Test Ring: - select - V * Pre-Test Fan Pressure: (Pa) * Pre-Test Fan Pressure: (Pa) * Post-Test Ring: - select - V * Post-Test Flow: (CFM 50) * Post-Test Flow: (CFM 50) * Post-Test Flow: (CFM 50) * Puct Blaster Location: * Pressure Tap Location: *
Type of ducts sealed:
Is this information provided for Record Only? What type of equipment did you use? # of Supplies # of Returns Duct Insulation HOUSE PRESSURIZATION HOUSE PRESSURIZATION
What type of equipment did you we? # of Supplies # of Returns Duct Insulation Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-Test Pre-Test Ring: - select - Y* Pre-Test Fan Pressure: (Pa)* Pre-Test Flow: CCFM ₅₀)* Post-Test Fan Pressure: (Pa)* Post-Test Fan Pressure: (Pa)* Post-Test Flow: (CFM ₅₀)* Duct Blaster Location: *
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of Returns Duct Insulation ↓ HOUSE PRESSURIZATION HOUSE PRESSURIZATION HOUSE PRESSURIZATION HOUSE PRESSURIZATION HOUSE PRESSURIZATION Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-TEST Pre-Test Ring: • select - ↓ * Pre-Test Fan Pressure: [Pa) * Pre-Test Flow: (CFM ₅₀) * Post-Test Ring: • select - ↓ * Post-Test Fan Pressure: [Pa] * Post-Test Fan Pressure: [Pa] * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: ↓ Pressure Tap Location: ↓
Duct Insulation ✓ * HOUSE PRESSURIZATION House Pressurization: 50 Pa Other: * Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-TEST Pre-Test Ring: • select - V * Pre-Test Fan Pressure: (Pa) * Pre-Test Flow: (CFM ₅₀) * Post-Test Ring: • select - V * Post-Test Ring: • select - V * Post-Test Flow: (CFM ₅₀) * Post-Test Ring: • select - V * Post-Test Ring: • select - V * Post-Test Flow: (CFM ₅₀) * Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * * Pressure Tap Location: * *
HOUSE PRESSURIZATION House Pressurization: So Pa Other: Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-TEST Pre-Test Ring: - select - Pre-Test Fan Pressure: Pre-Test Flow: C(FM 50) * Post-Test Fan Pressure: Post-Test Ring: - select - Post-Test Fan Pressure: Post-Test Fan Pressure: Post-Test Fan Pressure: Post-Test Fan Pressure: Post-Test Flow: C(FM 50) * Post-Test Fan Pressure: Post-Test Flow: Post-Test Fan Pressure: Post-Tes
House Pressurization: 50 Pa Other:
Notes on Testing Duct Leakage Test: Duct blaster CFM reading with duct pressure at 0Pa with respect to house and Blower Door @ +50Pa. Duct Blaster Fan Pressure: This is not the house pressure. Example: Ring 1, 78Pa Fan Pressure, 364 CFM) PRE-Test Pre-Test Ring: - select - Pre-Test Fan Pressure: Pre-Test Fan Pressure: Pre-Test Flow: Oost-Test Ring: - select - Post-Test Ring: - select - Post-Test Ring: - select - Post-Test Flow: Oost-Test Ring: - select - Post-Test Flow: Out Blaster Location: * Pressure Tap Location:
PRE-TEST Pre-Test Leakage Requirements Pre-Test Fan Pressure: Pre-Test Flow: Pre-Test Flow: Post-Test Flow: Post-Test Ring: Post-Test Ring: Post-Test Flow: Po
Pre-Test Ring: - select - V * Pre-Test Fan Pressure: (Pa) * Pre-Test Flow: (CFM ₅₀) * Post-Test Ring: - select - V * Post-Test Fan Pressure: (Pa) * Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Pre-Test Ring: - select - V * Pre-Test Fan Pressure: (Pa) * Pre-Test Flow: (CFM ₅₀) * Post-Test Ring: - select - V * Post-Test Fan Pressure: (Pa) * Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Pre-Test Fan Pressure: Pre-Test Flow: Post-Test Leakage Requirements Post-Test Ring: Post-Test Ring: Post-Test Fan Pressure: Post-Test Flow: Post-Test F
Post-Test Ring: - select - V * Post-Test Fan Pressure: (CFM ₅₀) * Post-Test Fine Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Post-Test Leakage Requirements Post-Test Ring: - select - Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: Pressure Tap Location: *
Post-Test Ring: - select - Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Post-Test Fan Pressure: (Pa) * Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Post-Test Flow: (CFM ₅₀) * Duct Blaster Location: * Pressure Tap Location: *
Duct Blaster Location: * Pressure Tap Location: *
Pressure Tap Location: *
Specification Requirements
The duct sealing at this site meets program requirements including: repairs metal ducts becured with screws, flex duct interior and exterior liners secured with nylon straps or steel and clamps, ducts are supported and off the ground, boots are mechanically fastened to loor/ceiling, plenum, main ducts, takeoffs and boots sealed, and a good faith effort was made to remove existing duct tape and cover with mastic.
CAZ Test
Is there a combustion appliance v?
Is a CO detector installed?

Measure Details: Prescriptive Duct Sealing

This measure records

opportunities were

sealed. There are no

calculations involved.

whether all

_		 		
-			_	
	_			
-			 	
_		_		

Completed Date	
Type of ducts sealed	~
Qualifiying Characteristic	~
# of Supplies	
# - f D - t	

of Returns

Duct Repair

Select all issues repaired:

- or	-
	Large gaps in sheet metal
	Rusted portions
	Missing sections

V =

v *

v *

V =

v *

v *

v *

v *

No repairs done

Metal Ducts:

Flex Duct Connections:

Flex Duct Liners:

Duct Support and Connections

Duct Support ______ Ground Contact ______ Boots are mechanically fastened to ______ the subfloor

Duct Sealing

All accessible portions of the duct which require sealing are sealed with

approved materials. This includes pulling insulation off, where opportunities exist. Examples of opportunities: Plenum; Air-handler cabinet to plenum; Plenum-to-take-off connections; Finger/dovetail joints; Branch T's, Y's and L's; Duct-to-duct connections; and Gores on adjustable elbows.

Are all ducts properly sealed?

~	
V	1

Return was

Duct Insulation

CAZ Test

Is there a combustion appliance zone? ∨*?

Is a CO detector installed?

ere a combustion an



Measure Details: Ground Source Heat Pump (Water to Water)

Entering AHRI number will auto-populate all this information.

If the AHRI is not recognized, please contact program staff for support.

	Completed Date		
		Site Data	
	NEW HEAT PUMP DATA		
	Loop Туре	●Open	
		OClosed	
	AHRI Number		
→	СОР		
	UNIT INFORMATION		
	Make		
	Model		
	Capacity (Tons)		
	VALIDATE SYSTEM		
	Heat Pump Stage(s)	✓	
	Balance Point	Provide BP documentation to utility.	



Required Acknowledgement

Check the box if you are a technician or someone entering the data on behalf of the installing tech. This replaces the previously required handwritten signature.

Required Acknowledgement				
By checking one box below, the PTCS certified technician or administrator entering data on behalf of the certified technician acknowledges the following: 1) This project and any accompanying documentation are complete and accurate.				
This project may be selected for a Quality Assurance (QA) inspection and any necessary remediation will be addressed in the required timeframe.				
 Certified Technician: I certified the project and it meets program specifications. I am an administrator entering on behalf of the Certified Technician. 				
Clicking 'Finish' will begin the validation process to determine if the data meets the PTCS specification. A status and any relevant details will appear on the next screen. By clicking 'Save Progress', no validation will be performed and entered data will be saved to allow for later completion.				
Finish Save Progress				



Saving Entry Progress

- If you aren't able to enter all the data, click "Save Progress" on the bottom of the entry screen to complete later.
- Accessing/Completing later:
 - I. Log on as the installing technician
 - 2. Search for the measure using the address or measure ID
 - 3. Click "Continue Job"



Enter on a Mobile Device

- Entry can be done using any mobile device with internet access. Offline access is a future goal.
- If you aren't able to enter data in the field, forms will still be available on the online registry to record the data until you have access to the internet.





Enter a Job for Another User

 If you are entering work for one or multiple other technicians, please sign in using their specific account.
 Verify you are signed in correctly by checking their name at the top right-hand corner of the screen...

PERFORMANCE TESTED COMFORT SYSTEMS° Feel the difference. Count the savings.	O Contractors	D Utilities	• About the Program	elcome Amy Log Out My Account
	Contact Us! 0 A	dmin		
Welcome to the Login to enter and search for	e PTCS® and PTCS Duct Sealing, Air S Seali	Prescrip Source and Gro	Dund Source Heat Pumps, and	Registry Prescriptive Duct
Enter a	Project		Search for Project	



Troubleshoot

Contact the PTCS team if:

- Address isn't validating
- AHRI number isn't validating
- Need to enter in a second system
- Can't find an entered job
- Need to edit an address or submitted data
- Need immediate review of "Pending" entry (reviewed daily)
- Have general questions or feedback for improvement



Search for a Completed Job

- Each account has access to jobs depending on the user. For example:
 - > Technicians can only see jobs they are associated with.
 - Utility can only see jobs entered in their territory.
 - Company Admin can see all jobs for associated with the contractor.
- Contact the PTCS team if you would like to additional access.



Search for a Completed Job

- I. Sign in to the Online Registry with the appropriate account
- 2. Click "Search for Project"
- Enter as little data as possible (i.e. only "1234" in the address "1234 Main St". Being too specific might yield no results.

Measure Installed:	between	and	
Measure Entered:	between	and	
Measure ID:			
Status:	Accepted		
select or deselect items)	BPA Approved V BPA Pending		
Address:	Test	×	*To broaden results, omit
Address Line 2:			directional words (i.e. NW, Southwest) or street types
City:			(i.e. Rd, Street)
Tech ID:	(Search All)	\checkmark	
Company Name:	(Search All)	\checkmark	
Measure Type:	Measure Type: (Search All)		
Utility:	Albion, City of	~	
select or deselect items)	APS (Arizona Power Supply) Ashland, City of Asotin County PUD No. 1	~	



Find the Registry Installation Report

Click on the measure ID in the search results to get a PDF report PTCS Duct Seal #1786994



Site



Documentation Requirements

- Registry Installation Report (found online)
- Equipment/Contractor Invoice
- Documentation of Sizing (only Air Source & Ground Source Heat Pumps)

- Loop Design (only Ground Source Heat Pumps)
- Handwritten form (only Ground Source Heat Pumps)

Please check with the customer utility for additional documentation requirements.



Heat Pump Documentation: Sizing

- Required documentation of Heat Pump Sizing and Balance Point (submitting either):
 - "Both the 'Heating Load/Heat Loss calculations' and 'Balance

Point Worksheet'"

OR

"PTCS Heat Pump and Central Air Conditioner Sizing

<u>Calculator</u>" (found on <u>www.bpa.gov/goto/reshvac</u>)



Notify Utility of the completed job

- Technician or company is required to notify the utility of the completed job.
- Contact customer's utility for information on required paperwork.
- Utilities have access to the online registry and are able to review completed job details.



Questions? Comments?

Contact the PTCS Team: *Phone*: (800) 941-3867 *Email*: <u>ResHVAC@bpa.gov</u>



