

## **Project ReEnergize Performance Testing Blower Door Protocol**

Version 1.0  
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### **Contractor Requirements**

Project ReEnergize Performance Testing contractors are responsible for ensuring the quality of their work. The contractor must perform the work in a workmanlike manner in compliance with all applicable federal, state, and local codes, rules, regulations, statutes and ordinances. It is the contractor's responsibility to make a determination and be informed as to best practices within the contractors industry as well as the applicable legal requirements that must be adhered to.

### **Blower Door Test Steps**

Five steps to recording and reporting pre or post blower door numbers

1. Set Up Blower Door
2. Prepare the building for the Pre or Post Blower Door Test
3. Perform a one point blower door test.
4. Record the results on the Performance Testing Form
5. Report results to contractor

#### **Step #1: Set Up Blower Door**

Set up blower door according to manufacturer's instructions. Use an exterior door on the main floor.

## Step #2: Prepare the building for the Pre or Post Blower Door Test

Check	Description	Action
	Turn off heating system	Dial back thermostat
	Turn furnace blower off	Use control to turn off
	Turn off water heater	Turn water heater temperature all the way down or turn power off
	Open all interior doors.	Open interior doors.
	Close all windows and exterior doors.	Close windows and exterior doors
	Turn off clothes dryer	Use control to turn off
	Turn off all kitchen, bath and other fans that are not used for mechanical ventilation	Use control to turn off
	Extinguish any fires in fireplaces or wood stoves	Extinguish fires
	Close all fireplace and wood stove doors	Close doors
	Turn off any room air conditioners	Dial back thermostat or turn off

## Step #3: Perform a one point blower door test.

Use manufacturer's guidelines to perform a One-Point 50 Pascal Depressurization Test which blows air out of the building. If needed use the two reference guides that were handed out to all Project ReEnergize Performance Testing training participants:

- ❑ Saturn Resource Management, Inc.'s *Blower Door Testing* flyer  
Use the 'Can't Reach Fifty' Factors for very leaky homes.
- ❑ Energy Conservatory's *Quick Guide BD-DEP700-CR*

## Step #4: Record the results

Use the appropriate areas of the Project ReEnergize Performance Testing Reporting Form. If you have only been hired to perform the Pre Blower Door Test complete the form and send a copy to the contractor. Retain a copy for your records. If you have been hired to perform the Pre Blower Door Test and Post Blower Door Test keep the Project ReEnergize Performance Testing Reporting Form until the final tests are complete.

### Step #5: Return equipment to original settings

Check	Description	Action
	Turn on heating system	Return thermostat to original setting
	Turn furnace blower on	Use control to turn on, if appropriate
	Turn on water heater	Reset water heater temperature to original setting
	Turn on all kitchen, bath and other fans that are not used for mechanical ventilation	Use control to turn on, if appropriate
	Turn off any room air conditioners	Dial back thermostat or turn off
	Return windows to previous position	Open windows, if appropriate

### 6. Sign and send the results to the Project ReEnergize Contractor.

Add depressurization results to the Project ReEnergize Performance Testing Results Form if you are hired to perform that test. You are responsible for keeping a copy on file for each homeowner.