



Duct Test and Seal For Small Businesses

Sealing the ducts that are part of central heating and cooling systems is good way to increase your energy efficiency, manage your energy bills and may add a competitive edge to your business.

SAVE ENERGY AND MONEY BY HAVING YOUR AIR CONDITIONING DUCTS SEALED

Take advantage of Pacific Gas and Electric Company's Duct Sealing Incentive for small business customers.

Sealing the ducts that are part of central heating and cooling systems is one of the best ways to increase your business energy efficiency and manage your energy bills. The savings may add a competitive edge to your business. Studies indicate that leaky ducts let 10%-30% of your heated or cooled air escape – along with the money spent to heat or cool that air. Properly sized, installed, and sealed ductwork will make your heating and cooling systems more efficient.

How do you know that your business has poorly performing ducts? You may have duct problems if:

- You have high summer and winter utility bills
- You have rooms that are difficult to heat and cool
- Your ducts are located in attic, crawl space, or the space above the drop ceiling
- You find tangled or kinked flexible ducts in your system

When to Test

Duct testing is strongly recommended when you install a new heating or air conditioning unit. If the existing duct system is leaky and inefficient, you will not realize the maximum energy savings that the new unit offers.

Duct Sealing Incentive Levels

The table below can help you and your contractor determine if you qualify for any of our incentives. Your contractor can also recommend the best duct sealing product and service for your business. Your contractor must demonstrate reduced duct leakage to less than 15% of the calculated fan flow in order for the incentive to be paid. For further information, please ask your contractor how this requirement affects your incentive eligibility.

| TIER LEVEL | DUCT SEALING | INCENTIVE |
|------------|--|-------------------|
| Tier 1A | Existing central air conditioning duct systems regardless of age and SEER level | Maximum of \$200* |
| Tier 1B | New equipment Installations where the SEER level is equal to or less than 13 SEER | Maximum of \$200* |
| Tier 2 | In conjunction with new equipment installation of an air conditioning system that is equal to or greater than <ul style="list-style-type: none"> • Split Systems - 14 SEER/12 EER or HSPF 8.5 • Package Units - 14 SEER/11 EER or HSPF 8.0 | Maximum of \$400* |

* Actual incentive amount paid will not exceed the actual cost of duct sealing work. Incentive amounts are subject to change at any time. Please go to pge.com/biz/rebates or call 800-468-4743 for current incentive levels.



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ELIGIBILITY REQUIREMENTS

- You must be an existing PG&E electric customer
- You must have existing central air conditioning or replace an old central air conditioning system with a new replacement system

Note: Installing a new system when no prior equipment was present will not qualify; state building code already requires a duct test on these systems.

- Individual systems must be between two and seven tons cooling capacity
- Multiple systems at the same address are eligible
- There are no climate zone restrictions for small business systems
- You must hire a licensed C-20 HVAC contractor who is qualified under the guidelines of this program to perform a comprehensive duct sealing test
 - The test analyzes the level of leakage or need for other repairs in your system
 - If your contractor finds that your duct leakage is less than 15% of the volume of heated or cooled air that comes out of the registers (“fan flow”), no repairs are required and no incentive will be provided. However, you will have the confidence that you are not losing energy from your ducting
 - If leakage exceeds 15% of fan flow, you should have your duct system sealed to ensure that your system can perform to its designed air distribution capacity
 - Incentive is paid only after ducts are sealed and your contractor must demonstrate reduced duct leakage to less than 15% of the calculated fan flow

HOW TO PARTICIPATE

Select a licensed C-20 HVAC contractor who is eligible to participate in this program.

- Eligible contractors must have completed a Duct Test and Seal Training that qualifies them to perform duct test and sealing work
- Call Enalasy at 877-411-TEST, to see if your contractor meets the eligibility requirements to participate in this program
- Eligible contractors learn the requirements and program specific duct sealing standards as part of their training to participate in the program

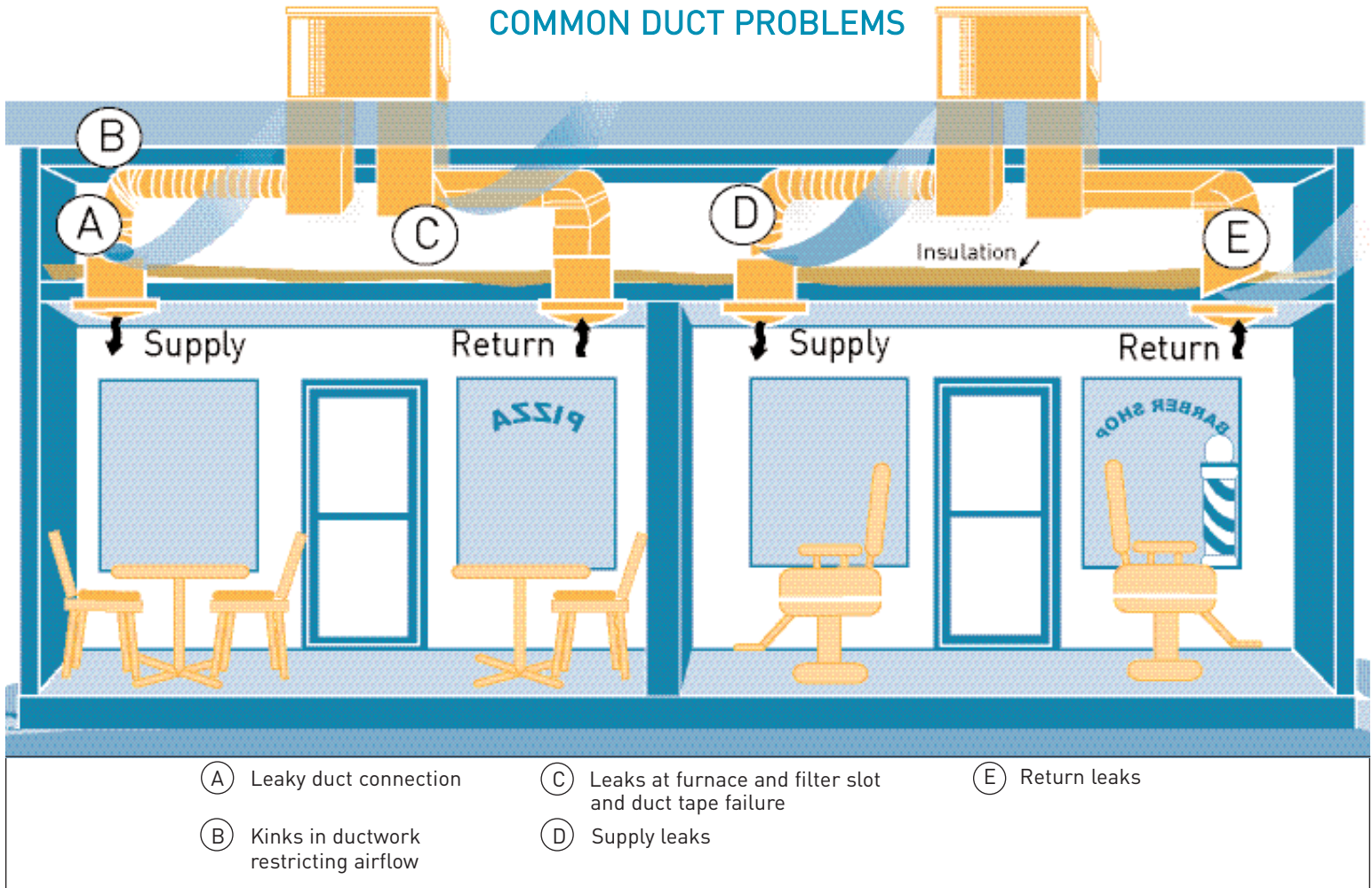
Contractors must complete and submit a CF-6R Form, the incentive application for this program, to Enalasy for incentive processing.

- All work must be completed prior to submission of the CF-6R form
- Incentives are paid only on completed CF-6R forms that have met all of the program duct test and seal requirements
- Incentives are paid six to eight weeks after receipt of a properly completed CF-6R form

All work is subject to validation prior to payment. A refusal to allow PG&E to perform an on-site validation of the work performed may result in a declined incentive payment.



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WORKING WITH A CONTRACTOR

Most heating and cooling equipment contractors also repair ductwork. Look for a contractor that will:

- Inspect the whole duct system, including hard to reach areas like crawl spaces and between floors
- Evaluate the system's supply and return air balance. Many systems have air return ducts that are too small
- Repair damaged and disconnected ducts and straighten out flexible ducts that are tangled or crushed

The contractor should:

- Seal all leaks and connections to a reduced duct leakage of 15% of the calculated fan flow
- Seal with mastic, metal tape, aerosol-based sealant or approved plastic tapes
- Sealing must not be done with duct tape
- Seal all registers and grills tightly to the ducts
- Insulate ducts in unconditioned areas (such as crawl spaces, attics and garages) with duct insulation that carries an R-value of 6 or higher
- Where applicable, perform a Combustion Safety Test after ducts are sealed to ensure there is no backdrafting of gas or oil-burning appliances

For more information about saving energy in your business and Energy-Efficiency Rebates for your business, please call **PG&E's Business Customer Service Center** at **800-468-4743** or visit pge.com/biz/rebates.



This program is in effect from January 1, 2007 through December 1, 2008 or until funds are depleted, which ever comes first as funding is limited. This offering shall at all times be subject to change or termination without prior notice. This offering is funded by California utility customers and administered by Pacific Gas and Electric Company under the auspices of the California Public Utilities Commission.

Please note that, as a participant, the following measures may be installed on your premises: "Duct Test and Seal". In addition, you may be contacted by Pacific Gas and Electric Company (PG&E), the California Public Utilities Commission (CPUC), or their contractors so that they can verify the correct installation and operation of the measures installed. Please call your contractor if you do not wish to participate in this program or if you object to allowing these inspections to occur.

