

BUSINESS

✓ Retrofit

DUCT CHECK PROGRAM



Take our duct test and we'll pay half the cost – \$30 of the \$60 cost of the first unit and \$20 of the \$40 cost for each additional unit at the same business address. We'll also pay up to \$150 per system for any identified repair costs.

A thorough examination of your air duct system will help determine how efficient your current system is – and identify simple fixes that can dramatically lower your energy bills.

Over time, many factors can cause leaks in the joints of your ductwork. It's estimated that one third of all heating and cooling is wasted at these joints, as you pay to heat and cool unused spaces. Not only can this increase your electric bill, but it can also have a negative impact on the air quality inside your business.

See where the problems are and see how to fix them.

- During the Duct Test, a powerful fan is used to pressurize and depressurize the business facility, measuring airflow in and out of the facility and the overall facility air tightness.
- Major leaks in the duct system are identified for repair using industry-approved devices.
- A diagram of your entire duct system is made, clearly identifying leaks that should be addressed and, if necessary, any other areas that need repair.
- You'll get a complete breakdown of estimated repair costs – including any Progress Energy incentives for which you may be eligible.

Visit savethewatts.com or call Progress Energy for details.

Incentive requirements:

- 1. Duct test and repairs are for businesses with centrally ducted electric heating and cooling systems.**
- 2. HVAC systems must be 5.5 tons or less (65,000 BTUs).**
- 3. Your facility can be pressurized.**
- 4. In commercial multifamily units*, the contractor will seal all joints and connections of the duct work and no duct test is required.**
- 5. Multifamily units greater than one story in height can only have the top floor duct system(s) repaired or sealed due to safety concerns.**
- 6. Commercial multifamily units will be qualified as individual units for incentive purposes.**

* Commercial multifamily is defined as commercially metered accounts of multifamily residential apartments or condominiums or commercially metered accounts of assisted living residential apartment units (with a minimum of 500 square feet of conditioned space). Any multifamily residential dwellings that are master-metered (referred to as Domestic/Commercial) will be eligible to participate in this program.

Other restrictions do apply.

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About leaky ducts

Indications of duct leaks

- Dirty ceilings and grills/vents
- Excessive water at drain line
- Dirty insulation patterns
- Temperature difference between inside return and return at air handler
- Dust webs
- Dirty carpet corners

Common leak areas

- Plumbing near return
- Air handlers and platforms
- Chase lines
- Return boxes
- Supply boots
- Vents
- Joints
- Collars
- Seams
- Duct corners
- Building cavity used as duct
- Dropped ceilings with a grill/vent

Disconnected ducts



Fan assembly installed in doorway



What is the Duct Test?

A powerful fan mounted on an external doorway is used to pressurize and depressurize the business facility. By measuring the amount of air flowing in and out of the facility through the fan, the overall facility air tightness can be evaluated. Also, using industry-approved devices, major leaks in the duct system can be identified for repair.

Common leak areas shown below are identified in red.

Branch duct connection



Plenum and air handler



Supply or return boots



Joints, seams and connections



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