# AIR LEAKAGE TEST RESULTS

Date of Test: 1/1/2006   Test File: Chicago Energy Consultants

Test Performed For:   Jane D. Homeowner
123 Anystreet
Hometown, IL 60000
Phone 555-555-1111

## Test Results

1. Measured Leakage:                    **295 sq. in.  (4923 CFM @ 50 Pa)**

   This leakage area represents the cumulative size of all holes and cracks in the exterior of your house through which unconditioned outside air enters your home and conditioned air escapes.

2. Est. Annual Air Change Rate:         **0.94 air changes/hour (106.8 CFM/person) ***

3. Est. Cost of Air Leakage             **$ 670 per year (heating and cooling) ***

## Ventilation Guideline

ASHRAE Standard 62.2 recommends minimum ventilation requirements for residential buildings to maintain acceptable indoor air quality.  Based on the results of this airtightness test, Standard 62.2 does not indicate the need for whole building mechanical ventilation. **

## Additional Information

If some of the house leakage is located in the forced air duct system, both the leakage rate and energy costs will tend to be higher than reported above.  Duct leaks result in much greater air leakage because they are subjected to much higher pressures than typical house leaks.  Duct leaks can also seriously degrade indoor air quality.

Many factors contribute to indoor air quality including ventilation rates, sources and locations of pollutants, proper operation of combustion appliances and occupant behavior.  Additional testing is needed to fully evaluate the air quality in your house.

* The estimated annual air change rate is based on ASHRAE Standard 136-93 and assumes no mechanical ventilation.  Actual air change rates and costs may differ from these estimates by a factor of 2 or more.

** ASHRAE Standard 62.2 also contains requirements for local kitchen and bathroom mechanical exhaust systems.  These local exhaust systems may be incorporated into a whole building ventilation strategy.  Consult Standard 62.2 for more information on ventilation strategies and specific requirements and exceptions contained in the Standard.