



## The House

- ◆ A typical 1500ft<sup>2</sup> Victorian semi in downtown Toronto.
- ◆ Gas heat, gas water heater, electric stove.

## The Problem

- ◆ High bills
- ◆ Cold guest room
- ◆ Mould in bathroom
- ◆ Cold third floor

## The Retrofit

- ◆ Professional draftproofing to reduce air leakage.
- ◆ Attic insulated to R45
- ◆ Converted space/water heating to efficient “combo” system.
- ◆ Installed a setback thermostat
- ◆ Added an efficient, quiet bathroom fan.
- ◆ Cost of energy-efficiency measures: ~\$3,500



## The Benefits



- ◆ 88 tonnes of CO<sub>2</sub> saved.
- ◆ A comfortable and usable back bedroom.



- ◆ \$750 saved in gas-costs per year.
- ◆ Total home energy-use reduced by 44%, annually.



- ◆ ~45% reduction in gas use per year, even after adding gas stove and exhaust-fan.

## The Customer

*“We’ve eliminated the mould in the bathroom and now we have a guest bedroom that stays warm enough that we can actually use it in the winter. When we insulated the third-floor attic, you could feel the difference an hour later; it’s warm now and will stay cooler in the summer. It’s our home office, so comfort is important.”*

**- J. Langer, Toronto**