



## The House

- ◆ Storey and a half, 1200ft<sup>2</sup>, built 1945.
- ◆ Severe ice dams on the roof due to insufficient insulation and air leakage into the attic—last winter, falling ice tore a small back-door over-hang off the house.
- ◆ Living room drafts
- ◆ Bathroom impossible to heat
- ◆ Traffic noise in the front living room

## The Retrofit

These Sault Ste. Marie homeowners implemented several improvements:

- ◆ Professional draftproofing to reduce air leakage, especially into the attic.
- ◆ Insulation added to uninsulated areas in the attic; all attic insulation levels upgraded.
- ◆ Wall cavities densely packed with cellulose insulation.
- ◆ 4 windows upgraded to high performance units.
- ◆ Quiet bathroom fan with timer installed for moisture control.
- ◆ Cost of energy efficiency work: roughly \$6,000.



## The Benefits



- ◆ 2.3 tonnes of CO<sub>2</sub> emissions saved per year.
- ◆ Total energy-usage reduced by 37% per year.



- ◆ About \$400 a year in annual gas savings.
- ◆ No further problems expected with ice dams.



- ◆ 36 percent reduction in air leakage.
- ◆ Traffic noise dramatically reduced.

## The Customer

*“The furnace runs less. It’s much warmer in the bathroom. We can turn the TV down since there’s less road noise, and the butter in the cupboard is spreadable all the time now. All in all the comfort level is great.”*

**- Happy Homeowners, Sault Ste. Marie**