

# REEP Home Profile

## Homes Built in the 1970's



### TYPICAL SINGLE DETACHED DWELLING IN WATERLOO REGION

(Average of 335 Houses)

- Size = 227 m<sup>2</sup> (2,522 ft.<sup>2</sup>)
- EnerGuide for Houses Rating = 66
- Energy Consumption = 179,991 MJ
- Estimated Leakage Area = 1,073 cm<sup>2</sup>

### TYPICAL ENERGY PROBLEMS

- poor insulation in unheated floor areas (e.g. above garage)
- building additions (e.g. sunrooms) above crawl space
- poor insulation in basement
- poor insulation in attic

### TYPICAL ENERGY SOLUTIONS

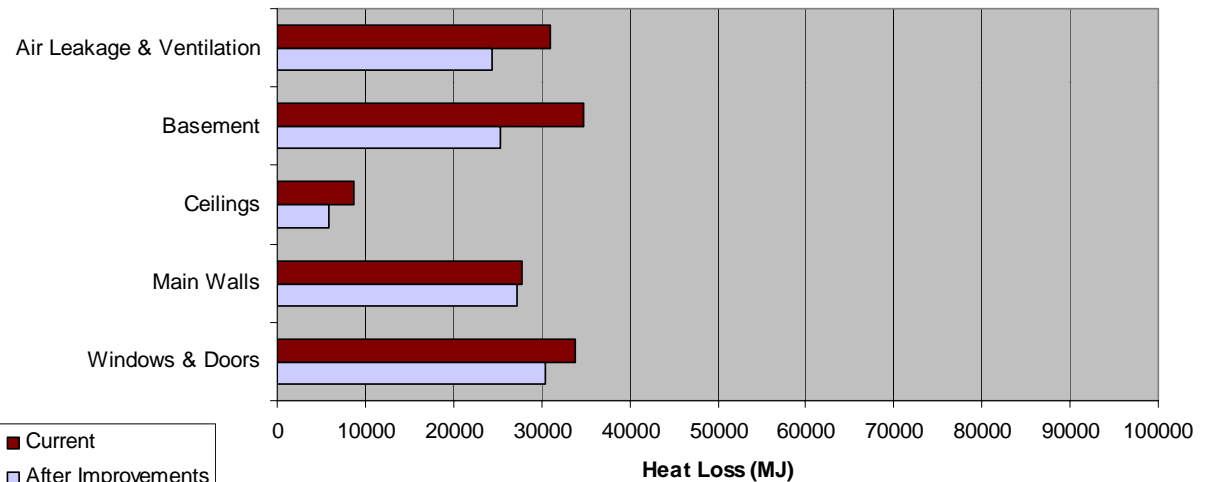
- improve insulation in areas with unheated floor, insulate floor
- air sealing, especially around additions
- insulate top of basement
- improve insulation in attic



**Rating Change = +9**  
**Annual Energy Savings = 24%**

**Upgraded EGH Rating = 75**  
**Upgraded Energy Savings = 43,832 MJ**  
**Upgraded CO<sub>2</sub> Savings = 2,659 Kg**

Heat Loss by Area



Upgraded Fuel Consumption

