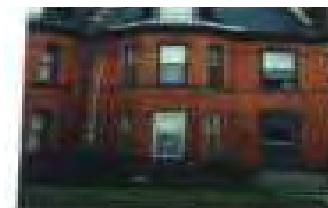




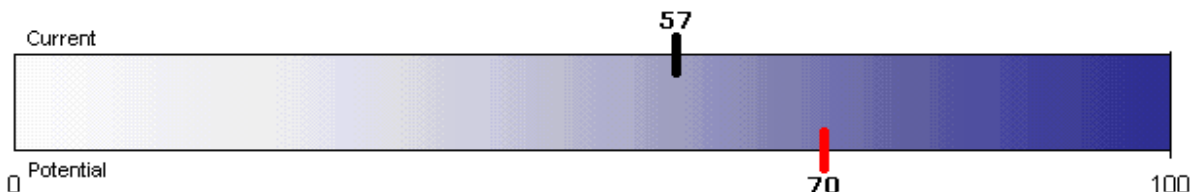
# REEP Home Profile Row Houses Built pre-1960



## TYPICAL ROW HOUSE DWELLING IN WATERLOO REGION

(Average of 12 Houses)

- Size = 185 m<sup>2</sup> (2,056 ft.<sup>2</sup>)
- EnerGuide for Houses Rating = 57
- Energy Consumption = 215,054 MJ
- Estimated Leakage Area = 2,320 cm<sup>2</sup>



## TYPICAL ENERGY PROBLEMS

- poor insulation in walls
- poor attic and basement insulation
- high rate of air changes per hour
- no exhaust system
- lower efficiency furnace

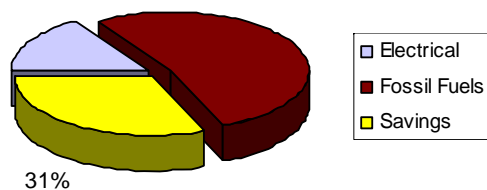
**Rating Change = +13**  
**Annual Energy Savings = 31%**

**Upgraded EGH Rating = 70**  
**Upgraded Energy Savings = 65,741 MJ**  
**Upgraded CO<sub>2</sub> Savings = 3,707 Kg**

## TYPICAL ENERGY SOLUTIONS

- improve insulation in walls
- add insulation in attic
- insulate top of basement
- install exhaust fans in bathrooms and kitchen
- install higher efficiency furnace

### Upgraded Fuel Consumption



Heat Loss by Area

