

REEP Home Profile

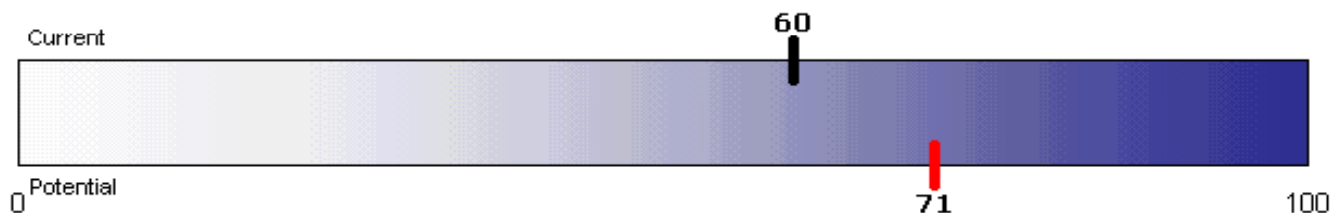
Homes Built in the 1940's



TYPICAL SINGLE DETACHED DWELLING IN WATERLOO REGION

(Average of 128 Houses)

- Size = 190 m² (2,111 ft.²)
- EnerGuide for Houses Rating = 60
- Energy Consumption = 201,010 MJ
- Estimated Leakage Area = 1,603 cm²



TYPICAL ENERGY PROBLEMS

- significant air leakage
- uninsulated basements
- single-pane windows
- older, lower efficiency heating system
- no exhaust fans
- uneven heating of rooms
- inadequate attic insulation

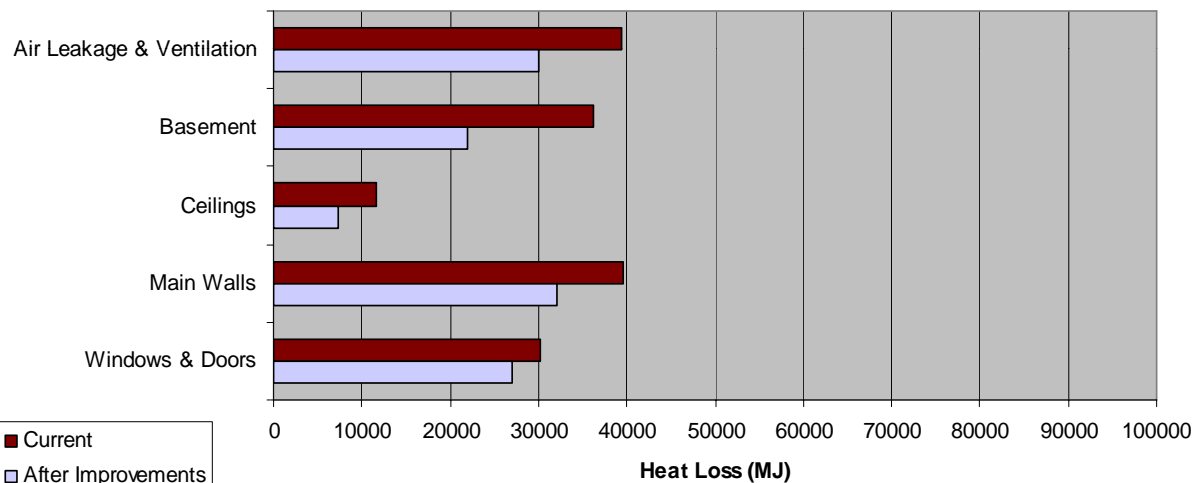
Rating Change = +11
Annual Energy Savings = 29%

Upgraded EGH Rating = 71
Upgraded Energy Savings = 57,221 MJ
Upgraded CO₂ Savings = 3,977 Kg

TYPICAL ENERGY SOLUTIONS

- air sealing
- insulate top of basement
- upgrade to higher efficiency heating
- install exhaust fans in bathrooms and kitchen
- install cold air returns in upper level rooms
- upgrade attic insulation

Heat Loss by Area



Upgraded Fuel Consumption

