

REEP Home Profile

Homes Built in the 1950's



TYPICAL SINGLE DETACHED DWELLING IN WATERLOO REGION

(Average of 228 Houses)

- Size = 202 m² (2,244 ft.²)
- EnerGuide for Houses Rating = 65
- Energy Consumption = 180,204 MJ
- Estimated Leakage Area = 1,379 cm²

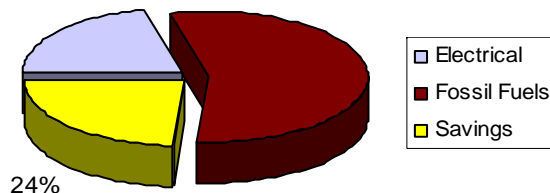
TYPICAL ENERGY PROBLEMS

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

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

Upgraded Fuel Consumption



Rating Change = +8
Annual Energy Savings = 24%

Upgraded EGH Rating = 73
Upgraded Energy Savings = 44,000 MJ
Upgraded CO₂ Savings = 3,199 Kg

Heat Loss by Area

