

REEP Home Profile

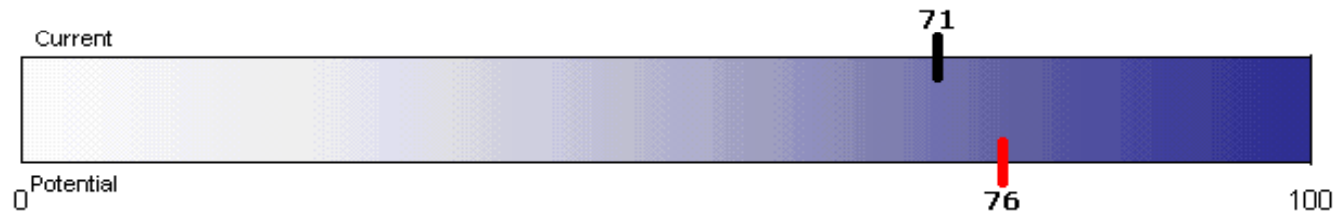
Homes Built in the 1980's



TYPICAL SINGLE DETACHED DWELLING IN WATERLOO REGION

(Average of 371 Houses)

- Size = 249 m² (2,767 ft.²)
- EnerGuide for Houses Rating = 71
- Energy Consumption = 159,198 MJ
- Estimated Leakage Area = 934 cm²



TYPICAL ENERGY PROBLEMS

- poor ventilation
- require makeup air for combustion
- low efficiency furnaces

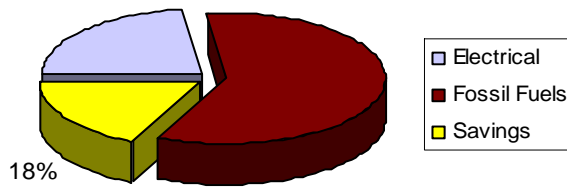
TYPICAL ENERGY SOLUTIONS

- install heat recovery ventilator
- makeup air ducting
- improve exhaust fans
- switch to higher efficiency furnace

Rating Change = +5
Annual Energy Savings = 18%

Upgraded EGH Rating = 76
Upgraded Energy Savings = 28,874 MJ
Upgraded CO₂ Savings = 1,987 Kg

Upgraded Fuel Consumption



Heat Loss by Area

