

Role of the Energy Advisor

Community Energy Association

May 3, 2018
Terrace, BC

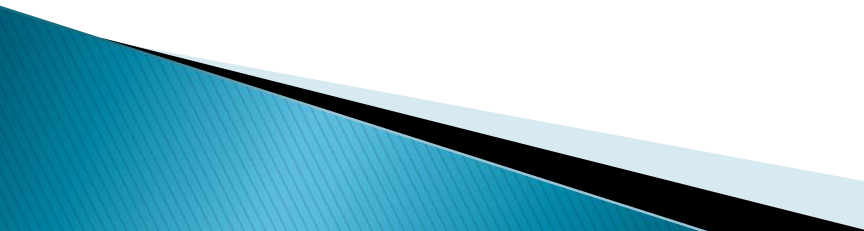


Hometech Energy Solutions Inc.
Rod Croome P.Eng.

What is a Registered Energy Advisor?

- ❑ Registered with NRCan and Service Organization
- ❑ Energuide for New Homes / Energy Star / R2000 / Net Zero Homes
- ❑ Hot2000 software
- ❑ Assist Home Builders to:
 - Build more Energy Efficient Homes
 - Build more comfortable homes

ENERGY ADVISOR (EA)

- ▶ Calculate step code metrics and report
 - ▶ Guide the Builder through the step code process
 - ▶ Building Heat Loss calculations
 - ▶ Blower Door Test and mid construction BD
 - ▶ Net Zero/Energy Star etc.
 - ▶ Retrofit homes—grants for energy efficiency upgrades
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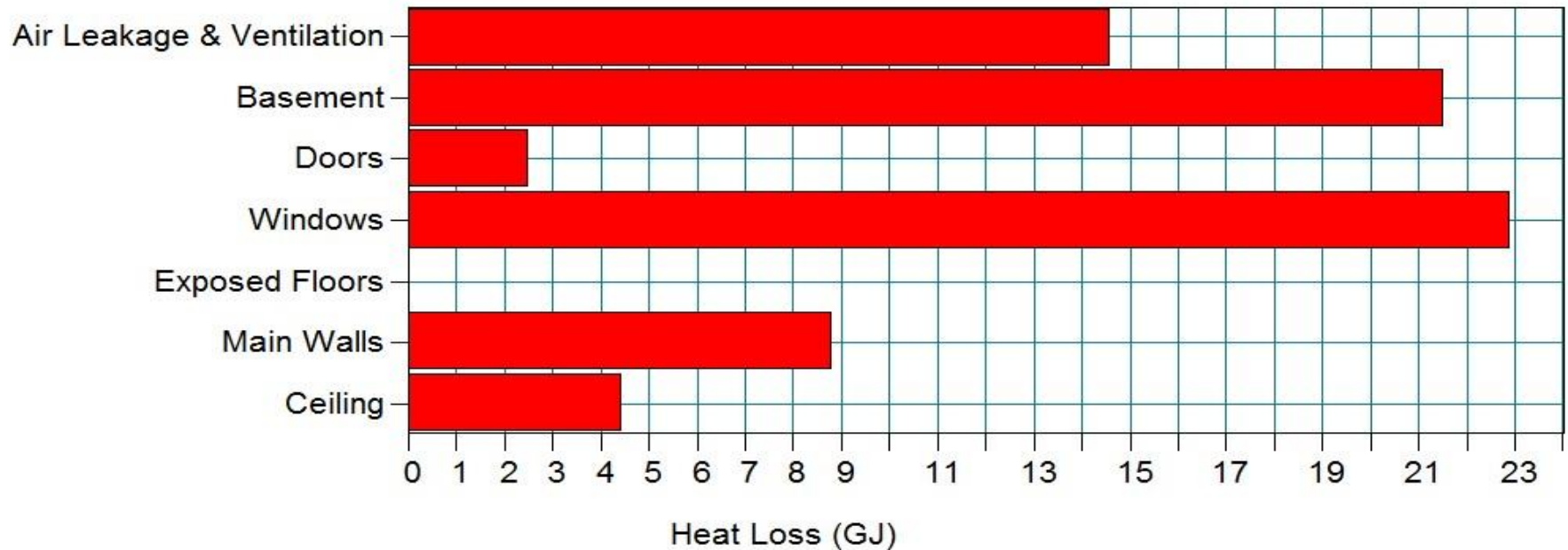
Quality Assurance–Two levels

- ▶ NRCan Quality Assurance
- ▶ Service Organization internal Quality Assurance

ENERGUIDE FOR NEW HOMES



Estimated Annual Heat Loss



ENERGUIDE FOR NEW HOMES

Typical Energy Efficiency Ratings

Type of House	Rating
New House build to building code standards	65–72
New house with some energy–efficiency improvements	73–79
Energy–efficient new house	80–90
House requiring little or no purchased energy	91–100



ENERGUIDE

Data Collected: February 13, 2018
 File Number: 7G01D00529
 Home evaluated by: Homotech Energy Solutions Inc.

143 This House GJ/year

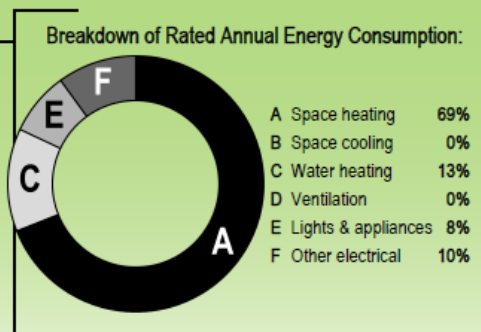
▲ 0 GJ/year Best energy performance

▲ 87 GJ/year A typical new house

Uses most energy

One gigajoule (GJ) equals the energy from two BBQ propane tanks

Rated Annual Energy Consumption	143 GJ
• Natural gas	98
• Electricity	45
On-site renewable energy contributions	- 0 GJ
• Electricity	0
• Solar water heating	0
EnerGuide Rating:	= 143 GJ



Rated Energy Intensity: 0.75 GJ/m²/year
 Rated Greenhouse Gas Emissions: 5.3 tonnes/year

Figures may not add up due to rounding.



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Mid Construction Blower Door



▶ **QUESTIONS?**

