

Residential Energy Advisors' Workshop for New & Existing Homes



The Canadian Home Builders' Association
New Brunswick is a Licensed Service
Organization of Natural Resources Canada

Who Should Take This Workshop:

- Future Energy Advisors
- Building Officials
- Architects
- Builders Who Want to Model Their Own Houses
- Anyone Who Has an Interest in Energy Efficiency New Home Modelling and Evaluation

Workshop

Dates:

Step 1 – June 18-22 - Fredericton, NB

Deadline to Register is June 14, 2018

To Register, complete the registration form and send it to our office with payment. We take VISA, AMEX & MasterCard.

Participants may pay for each step in this process separately.

A **Registered Energy Advisor** is a trained and licensed individual who conducts home energy evaluations to determine a home's energy efficiency on behalf of Natural Resources Canada (NRCan) and for other organizations who deliver services for NB Power. Energy Advisors consult with builders and home owners at the planning stage of new home construction to assist in energy efficient new home construction and complete an inspection at the end of construction to determine the home's energy performance. For existing homes, the Energy Advisor assists renovators and homeowners to optimize their home's energy efficiency upgrades. Energy Advisors also provide guidance and technical support to assist clients in meeting the qualifications to receive a Program Label to confirm the home's enrolment under one of NRCan's three housing initiatives: EnerGuide Rating System for New and Existing Homes, ENERGY STAR® for New Homes or the R-2000* Initiative.

5 Steps to Becoming a Registered Energy Advisor

Step 1 (5 days in classroom) - Attend Energy Advisor Workshop which will provide training on:

- Responsibilities of an Energy Advisor who performs an energy analysis of houses;
- The Code of Ethics, quality assurance and the auditing process for the EnerGuide for Houses Program;
- Introduction to the future of energy efficient housing, building science, and the house as a system;
- Section 9.36 of the National Building Code, prescriptive, reference house and proposed house, performance modeling and energy targets;
- An interactive introduction to opaque tables used to find RSI effective thermal resistances of common building materials;
- The characteristics and energy requirements of fenestration, doors and skylights;
- How to determine heating, ventilation, and air conditioning equipment (HVAC) performance requirements for energy efficient homes;

3 Ways to Register: Online, by fax or by email

Canadian Home Builders' Association –
New Brunswick
207-403 Regent Street
Fredericton, NB
E3B 3X6
Telephone: 506-459-7219 ext 204
Fax: 506-450-4924
Email: energyefficiency@nb.aibn.com

**EnerGuide, ENERGY STAR
and R-2000 are official marks of Natural
Resources Canada
and used with permission.*

**For More Information about
the training process or
roles of a Registered
Energy Advisor please visit:
www.nbhomebuilders.ca**

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3 Ways to Register!

1. **By E-mail: Complete, scan and send the registration information to energyefficiency@nb.aibn.com**
2. **By Fax: Complete and fax to 506-450-4924**
3. **Online at: www.nbhomebuilders.ca under Energy Advisor Training section on the welcome page**

Sponsored By:



Énergie NB Power

Step 2 - Mentorship

After successfully completing Steps 1, students will be ready to begin the Mentorship component. Students will complete a combination of (8) eight files new housing and existing housing files with the supervision and instruction of our Registered and Senior Energy Advisor. Students will be instructed on the proper procedures for modelling, on-site inspections, blower door testing, reporting, file submission, home labelling, records management and quality assurance protocols.

For those wishing to work as a Licensed Energy Advisor for an NRCan Licensed Service Organization, all candidates must successfully pass NRCan's Foundation Level Exam and NRCan's Energy Advisor Exam.

Step 3 – Natural Resources Canada - Third Party Administered Foundation Level Examination

Students who wish to proceed to Step 5 - Learning to Fly Solo - will be required to successfully complete NRCan's Foundation Level Exam. (Fee for a one-time Foundation Level Exam challenge is included in the Step 1 fee. Re-write exam costs will be the responsibility of the candidate.) The Foundation Level Exam will assess pre-requisite competencies such as communication, numeracy, safety, and building science principles. Exams are administered by third-party test centres located across Canada.

Step 4 – Natural Resources Canada - Third Party Administered Energy Advisor Examination

Students that wish to proceed to Step 5 – Solo Evaluations – will be required to successfully complete the NRCan Energy Advisor Exam. (Fee for a one-time Energy Advisor Exam challenge is included in the Step 3 fee. Re-write exam costs will be the responsibility of the candidate.) The Energy Advisor Exam will assess competencies and knowledge of NRCan's *EnerGuide Rating System—Technical Procedures*, the *EnerGuide Rating System—HOT2000 User Guide*, and the Quality Assurance Procedures. Exams are administered by third-party test centres located across Canada.

Step 5 – Learning to Fly Solo

Following the supervised evaluations and the Energy Advisor Exam, students must undertake various EnerGuide Rating System services independently, model (6) six house files (3 new homes and 3 existing homes) in HOT2000, and submit all the data and files to the Service Organization's Quality Assurance Specialist for review. The candidate must follow all aspects of the procedures associated with the service as described in the *EnerGuide Rating System—Technical Procedures* and the *EnerGuide Rating System—HOT2000 User Guide*.

In the case of the Existing Homes and New Home Construction, these evaluations may be "friendly" (houses belonging to friends or family members - that do not receive an official EnerGuide label).

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Registration Information

Name :

Please indicate if you are a First Nations Member

Participant's Mailing Address :

Postal Code:

Telephone Number:

Cell Number :

E-mail Address:

Credit Card Number:

Expiry Date:

Name on Credit Card:

Register Me For:

- Step 1 – 5-Day Energy Advisor Workshop (\$1500 + HST)
**\$1000 Rebate provided by NB Power for First Nations Registrants*
- Step 2 – 5-Day Mentorship (\$1500 + HST)
**\$1000 Rebate provided by NB Power for First Nations Registrants*
- Step 3 – Foundation Level Exam (price included in Step 1, additional rewrites are \$150)
- Step 4 – Energy Advisor Exam (price included in Step 2, additional rewrites are \$150)
- Step 5 – Learning to Fly Solo