

## EA-focused Residential Heat Lose and Heat Gain Calculations Course



**PRESENTER:** Dan Boyd, RASDT, RHDT  
**WHEN:** October 31 – November 3, 2023@ 9:30am-5:30pm CST/ day  
**WHERE:** Virtual Classroom

CACEA and HRAI have partnered to offer a unique learning opportunity for Energy Advisors. HRAI instructor and REA Dan Boyd will adapt the four-day HRAI course content so that it is relevant to the work of EAs. **EAs not only gain valuable professional development, but also an opportunity to expand the services they provide.**

### COURSE DESCRIPTION

With a focus on EAs and their work, Dan Boyd will discuss the differences and similarities between F280-12 heat loss/gain calculations and provide specific examples by comparing HOT2000 inputs and outputs with values derived using HRAI procedures.

Based on CSA Standard F280-12, participants gain a firsthand introduction of the basic principles of building science and heat loss/gain. Through a variety of in-class exercises, participants will learn how to:

- Determine the thermal resistance (R value) of various building assemblies, such as walls and ceilings;
- Accurately, calculate room by room heat loss and gain while considering the influences of occupancy, exposure, ventilation, air leakage across the building envelope;
- And more.

Successful candidates will receive an HRAI Heat Loss/Heat Gain Calculation Certificate.

### COURSE FEES \*

This course is open to EAs, as well as those in the process of becoming an EA. CACEA members receive special pricing in addition to the regional subsidies noted below.

HRAI Member Rate: \$ 1,040.00 + provincial tax  
CACEA Member Rate: \$ 1,360.00 + provincial tax - **less 25%** when members use the [promo code](#) \*\*  
Non-Member Rate: \$ 1,360.00 + provincial tax

Thanks to the following for providing subsidies for residents within their province:



**70%**



EAs/SOs registration  
reimbursement  
courtesy of MEIA **FULL**



EAs/SOs registration  
reimbursement  
courtesy of SaskPower



**15%**



**15%**

Énergie NB Power (up to 10 pp)

(up to 10 pp)

\* A digital Course Manual will be emailed to registrants OR pay an additional \$35+ for a print version.

\*\* If you are from a region offering a subsidy, please register by email or telephone.

**NON-SUBSIDY Registration: REGISTER HERE**

**SUBSIDY ONLY Registration: Email [training@hrai.ca](mailto:training@hrai.ca) OR call 1-800-267-2231 x 230**

Save course fees AND be part of Canada's only Energy Advisor association. **Join NOW!**