

EA-focused Residential Heat Loss and Heat Gain Calculations Course



PRESENTER: Dan Boyd, RASDT, RHDT
WHEN: October 8-11, 2024 @ 8:30am-4:30pm 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 to make it relevant to the work of EAs. **Participants will 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 to 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, and air leakage across the building envelope;
- And more.

COURSE FEES *

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

This course is open to current EAs and those in the process of becoming an EA.

CACEA members receive special pricing in addition to the regional subsidies outlined below.

HRAI Member Rate: \$1,089.00 + provincial tax
CACEA Member Rate: \$1,499.00 + provincial tax - **less 25%** when members use the [promo code](#) **
Non-Member Rate: \$1,499.00 + provincial tax

Thanks to the following for providing a rebate for provincial [residents](#) upon completion of the course:



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

** CACEA members can find the promo code in the Member HUB in the [Affinity Program](#) section.

[Register HERE](#)

About the Canadian Association of Consulting Energy Advisors (CACEA)

CACEA is a national association promoting Canada's Energy Advisors (EA). Its mission is to support a sustainable, and recognized profession of valued and credible EAs. CACEA promotes the interest of EAs with a focus on the betterment of our members. [Learn more here.](#)

About the Heating Refrigeration and Air Conditioning Institute of Canada (HRAI)

HRAI is the trusted champion for sustainable, quality Canada's HVACR systems. Its mission is to protect, connect and advance Canada's HVACR community. HRAI advocates for a safe, responsible and fair industry where indoor environment systems and refrigeration processes are designed, installed and serviced by qualified professionals to ensure efficient and energy-conscious operation. [Learn more here](#)