

FACILITY TOUR !

NRCan’s CanmetENERGY Bells Corners Research Complex

Tuesday, November 25, 2025 – 1:30 to 3:30 PM

1 Haanel Drive (off Robertson Road, between Bells Corners & Kanata)

Exclusive to BECOR Members - and Limited Space (see below)

Courtesy of National Resources Canada & Carleton University

Join BECOR’s site tour of NRCan’s CanmetENERGY Bells Corners Research Complex.

NRCan:

CanmetENERGY-Ottawa is the scientific research and development department of Natural Resources Canada. Here are the main research areas for residential and commercial buildings:

1. Building envelopes and building materials, including below-grade, above-grade, roof, and windows focused on the use of low-carbon options and prefabricated components or buildings.

2. Building modelling efforts to provide key technical input into building codes, policies, regulations, and Canada’s programs. Working closely with OEE, OERD, CMHC and code authorities on such policies and programs.

3. Low carbon HVAC equipment such as heat pumps, and on HVAC equipment standards and testing.

4. District and community energy systems including those for northern applications

CABER:

While visiting the Complex, you will also tour Carleton University’s new Centre for Advanced Building Envelope Research (CABER); which is another hot local topic for which BECOR has hosted presentations. So, come see it for yourself! CABER represents a \$5.2M investment by the federal and provincial governments to improve the efficiency of residential homes and retrofits, to help reduce buildings’ contribution to climate change. In collaboration with CanmetENERGY, CABER researchers are working with industry, government, and academia, to investigate innovative materials and design strategies for completing retrofits and building new homes in ways that prioritize energy conservation and affordability.

Hosts:

	Cynthia Cruickshank, Carleton University Centre for Advanced Building Envelope Research Dr. Cynthia Cruickshank, P. Eng is a Professor in the Mechanical and Aerospace Engineering at Carleton University. She received her Ph.D. (2009) and B.A.Sc. (2003) degrees at Queen’s University. She is the Principal Investigator and Director of the \$5.2M Carleton University Centre for Advanced Building Envelope Research (CABER). CABER is a new research facility and program focused on the advancement of residential and commercial building envelope materials and designs. Her research focuses on the optimization of advanced building energy systems for high-performance buildings, including energy-efficient insulation materials, solar-assisted heat pumps, and thermal storage. With many collaborations with industry and government, since 2010, she has been a member of the Canadian Home Builders Association Technical Research Committee.
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