



Lunch and Learn Technical Seminar

**Wednesday, March 20, 2024
Noon to 3:00 PM**

Sala San Marco, 215 Preston Street

**Lunch & Networking: Noon – 1:00
Presentation: 1:00 – 3:00**

Case Studies – Learning From Someone Else's Experience

Some of the most memorable BECOR presentations in the past dealt with case study presentations where speakers were able to discuss lessons learned on specific projects. A few months ago we put out a call for presenters for our March Case Study session. We obtained a number of interesting proposals from which we decided to present a couple to our membership.

Case Study #1: Hintonburg Deep Energy Retrofit Project.

“The Hintonburg retrofit was the City of Ottawa's first deep energy retrofit. The city of Ottawa applied for and was awarded a grant under Infrastructure Canada's Green and Inclusive Community Buildings Program to help defray the project's cost. Initial work at the site included a thermographic drone-based scan of the building conducted by QEM. This fed into the development of a set of measures which are split between building envelope improvements and mechanical changes away from fossil gas and towards heat pumps. Envelope improvements included targeted upgrades to building insulation and replacement of all windows with R11 Litezone windows. The window replacement was novel in several respects. Where windows were replaced in curtain walls, a series of tests were undertaken to help improve the thermal break afforded by the curtain wall frame and structural anesthetic considerations were aided by an architect led the design.

Building envelope improvements at Hintonburg are largely complete and mechanical work will be completed late in 2025. A parallel program is looking at installing solar photovoltaic on the building.”

Presenter: Mike Fletcher, City of Ottawa

Mike Fletcher is a City of Ottawa project manager. Mike started his work at the City fourteen years ago doing energy conservation and energy management work for the Building Engineering and Energy Management group. After a recent period of split