BRE Innovation Park
STEP OVERVIEW

- Multi-agency program led by TRCA
- Main program objectives:
  - Evaluate water, energy and green building technologies
  - Develop strategies to overcome implementation barriers
  - Develop tools, guidelines and policies
  - Education, advocacy, and technology transfer

Program web address: www.sustainabletechnologies.ca
BRE INNOVATION PARK NETWORK
BRE INNOVATION PARK - KEY OBJECTIVES

• Provide a pre-commercialization showcase for innovation in sustainable construction
• Stimulate the use of new products and processes
• Provide an internationally accessible platform for the Park’s industry partners
• Provide a location to learn the skills needed to build sustainable buildings
THE ARCHETYPE SUSTAINABLE HOUSE - A LIVING LABORATORY
RESIDENTIAL REFURBISHMENT PROJECT
SITE LAYOUT
NEW BUILDINGS

Lot 1: Visitor Centre
Small Scale Commercial Living Building Challenge WELL Building Standard

Lot 2: The Endeavour Centre
Low Impact Construction Energy Efficient Design

Lot 3: Passive House Envelope First

Lot 4: Del Ridge Homes
Net Zero Energy Net Zero Water

Lot 5: Greenvilla Homes
Accessibility Aging in Place Indoor Environmental Quality

Lot 6: Ontario First Nations Off-grid Living Building Challenge

Lot 7: Mohawk College
DC Smart Grid Modern Methods of Construction
COLLABORATIVE RESEARCH CAMPUS

- A laboratory for PhD/Master’s/Undergraduate research projects e.g. approx. 40 projects to date

- Research Partners include: Ryerson, Waterloo, York, Queen’s, Guelph, U of T, Humber, Seneca, Sheridan, Centennial, CAWT, Mohawk, Carleton

- A Demonstration centre for industry focused research, product testing and performance verification
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