

**PROVIDER NAME:**

Cascadia Windows & Doors

**PROGRAM TITLE:**

From Restoration to Innovation: Leveraging rehabilitation 'lessons learned' to drive adoption of high-performance building envelope products

**LENGTH & CREDITS:**

1 Hour (1LU/HSW)

**PROGRAM OVERVIEW:**

Building envelope rehabilitation projects offer valuable insights into the real-world performance of building designs and products over time and highlight key opportunities to increase the overall performance of buildings in the future—both rehabs and new construction.

The presentation highlights four key lessons learned from various building envelope rehabilitation projects. Through reviewing project case studies, trends emerge surrounding common envelope failures, opportunities to shift buildings towards net zero, the importance of lifecycle cost analysis, and leveraging environmental impact data when selecting construction materials.

**LEARNING OBJECTIVES:**

1. Understand the impacts of fenestration and cladding assembly designs on the overall energy performance of the building envelope
2. Understand key technical and financial 'lessons learned' from real-world building envelope rehabilitation projects
3. Learn about new product trends and innovations aimed at addressing building envelope performance and longevity
4. Review the importance and impact of Environmental Product Declarations (EPDs) when designing and selecting envelope materials

**HSW Justification:**

Topics examine and provide attendees with an understanding of several approaches to building envelope rehabilitation aimed at reducing building energy consumption, increasing occupant comfort, and increasing building resiliency. As well, the presentation covers methods to assess the environmental impacts of design and material selections.

**FACILITATOR QUALIFICATIONS:**

- Cascadia Windows CES facilitators have been trained on CES guidelines and presentation skills

**METHOD OF DELIVERY:**

- The CES facilitator utilizes a PowerPoint presentation to provide an in-depth overview of the physics, details, and effective thermal performance of insulated building assemblies. Also covered: latest changes to related building code requirements, and various solutions (conventional and proprietary).

**AUDIO / VISUALS REQUIRED:**

- The CES facilitator supplies the laptop. A projector or large display is requested, unless other arrangements have been made in advance of the presentation. The present can provide the projector if requested in advance.

**COST TO PARTICIPANTS:**

- There is no cost to bring this program to your firm or chapter meeting.

**TARGET AUDIENCE:**

- Architects and specifiers, engineers, owners, contractors. Audience size: 3 to 200+.
- The program is suitable for all levels of experience and has time allocated within it in for questions.

**POINT OF CONTACT:**

- For more information or to schedule a presentation please contact Cascadia's main office at 1-604-857-4600 or [info@cascadiawindows.com](mailto:info@cascadiawindows.com).