

## Decarbonization of Existing Buildings

This presentation provides an overview of decarbonization strategies, exploration of different technologies and practical solutions that can be applied to buildings today.

**Wells Baker, P. Eng., MBA, LEED AP – Paterson Group Inc – Senior Sustainability Engineer**

Wells has over 20 years of experience in sustainable buildings spanning mechanical system design, building certification, corporate ESG strategy, decarbonization planning, and industry thought leadership. He has held volunteer roles with both Passive House Canada and the Toronto Chapter of the Canada Green Building Council. Wells is a passionate advocate for sustainability and is driven to both positively influence the construction industry and accelerate the transition of North America's built environment towards a low-carbon, high-performance future.

**Dan Vivian, P.Eng., R.E.A. – Paterson Group Inc – Senior Sustainability Engineer**

Dan is a “Senior Energy and Sustainability Engineer” for Paterson Group, with 40 years of experience in Net Zero Retrofit planning, energy conservation, capital planning, plant and project engineering and maintenance supervision. He has worked in manufacturing, mining and building science. He has also taught mechanical engineering at Algonquin College. Dan concentrates on building science solutions solutions to common building issues to get economical solutions that simultaneously lower carbon emissions and save his clients money.

## Feasibility Study Options to Get You Started

This presentation will summarize two different types of Energy Retrofit Feasibility Study for assessing the potential for building envelope improvements: a basic Study to get the client started and a detailed assessment which evaluated options in detail.

**Steven Laviolette, P. Eng. - BPA-Kanata – Project Director & Senior Building Envelope Engineer**

After leaving his position as the Director of Building Sciences at Paterson Group, Steve is now the Senior Building Envelope Engineer with BPA-Kanata (formerly Cleland Jardine). At BPA, Steve continues to be a leader in a team of building professionals who provide a wide range of building envelope and structural services for commercial, institutional, residential and condominium clients. Services provided by BPAs’s Building Sciences Division include many types of building assessments and investigations, design and inspection of building envelope and structural rehabilitation projects, and design and inspection of new construction. Steve’s expertise includes feasibility assessments for building envelope renewal, to increase energy efficiency and reduce greenhouse gas emissions, and the design of the building envelope renewals.