



incorporating sustainability  
into existing infrastructure

by IFMA Manitoba

presentations

environment

economics

feb 5

efficiency

## The Benefits of LEED® EB Systems

LEED for Existing Buildings (LEED EB) is an operational performance rating and certification system for the existing built environment. The system provides sustainable design, construction and operation standards and requirements for whole-building operations and upgrades that may result in operational cost savings, resource conservation, and improved indoor environmental quality. The presentation will include an overview of the rating system with an emphasis on energy efficiency and potential design strategies. As well this presentation will compare and contrast LEED EB with other industry recognized energy optimization/renewal programs and its specific benefits.

### James Furlong, CET, LEED® AP

James is a board member of the Alberta Energy Efficiency Alliance and a Senior Managing Associate of Stantec Sustainable Solutions, a multidisciplinary team of architects and engineers whose exclusive practice is green consulting for the built environment. He is currently an energy and LEED consultant for several health care, higher education, and commercial office projects throughout North America. James is most active in the energy retrofit industry having been involved with hundreds of green building projects (new and existing) including energy modeling and LEED coordination for WestJet's head office building in Calgary.



## The Triple Bottom Line

In this presentation you will be shown a methodology to assess and rank projects on the basis of a Triple Bottom Line where Profit, People, and the Planet are the expanded criteria for measuring organizational success. This provides hard analytical data that environmental sustainability is the more profitable course for a business in the long run.

## Carmine Militano, P.Eng

Carmine has extensive experience in a variety of building industries, including consulting engineering, construction, and manufacturing. He specializes in multidisciplinary project management and has successfully managed projects of all sizes, ranging from small municipal projects to complex, multimillion dollar projects. Carmine is a past president of the Consulting Engineers of Manitoba, a former director of the Canadian Public Works Association, and is currently on the Downtown Development Committee for the Winnipeg Chamber of Commerce as well as being on the board of directors for IFMA.



## Why not LEED CI?

Following the model of the other LEED rating systems, LEED CI measures performance and offers design guidelines specifically for interior spaces. This presentation will provide an overview of the rating system, highlighting commonly used design strategies to obtain CI certification and will draw parallels to traditional interior renovations to show how LEED certification is often just one step away. The presentation will include case studies of two recent corporate projects.

## Jennifer C Young, BID, LEED® AP

Jennifer is a Senior Interior Designer and Project Manager with Stantec's Winnipeg office. She has a significant portfolio of corporate renovation work, with 12 years of practice experience in Winnipeg, Toronto and Montreal. Jennifer was among the first interior designers in Manitoba to become a LEED AP and has been involved in the Manitoba chapter of the CaGBC. She is currently managing LEED CI design projects specializing in assisting organizations with greening their operations, environments and real estate.



## LEED® EB Case Study: San Francisco Moss Landing Marine Laboratories

Moss Landing Marine Laboratories enrolled in the USGBC LEED Existing Buildings (EB) Pilot Project with the intent to make the building and site a showcase and benchmark for new and existing buildings in the California State University system. Stantec assisted the facility in earning a LEED-EB Pilot Gold Certification and Stantec is currently assisting Moss Landing Marine Laboratories with efforts to re-certify the building to LEED-EB Platinum. This presentation will show an implementation of a real-world example of the LEED-EB process.

### Kaeryn M. Kopachena C.T. (bldg), LEED® AP

Kaeryn is a sustainability analyst and leads the Winnipeg S3 (Stantec Sustainability Solutions) group. Kaeryn is involved in a number of large commercial, private and institutional projects. Kaeryn is responsible for the development of LEED certification services within the Buildings Engineering Department and is the LEED AP for Manitoba's first green school. Kaeryn sits on the board of the Manitoba Chapter of the CaGBC and is the director of Education and Training.



## Understanding Life Cycle Costings

Life cycle costing is a term that has been used for years but has been frequently misunderstood. This presentation will focus on strategies for effectively using life cycle costing analysis as a decision-making tool as well as some methodologies for deciding what is prudent to include in the analysis. Case studies will be presented as well as a look ahead at what impact issues such as uncertain energy prices and the cost of carbon and carbon offsets will have on the way this tool is used.

### Jennifer Sanguinetti, P.E., P.Eng., LEED® AP

Jennifer was named one of Business in Vancouver's "Top 40 under 40" achievers and entrepreneurs in 2003. She is a CaGBC LEED faculty member and is a member of one of the CaGBC's LEED assessment teams. She founded Stantec's Concepts group in Vancouver, a team that specializes in sustainable design services, looking for opportunities to optimize a client's building for the occupants, the environment and the bottom line. Jennifer is an energy specialist with considerable expertise in quantifying and predicting both individual building and community scale energy choices. She has extensive experience with LEED and other green building certification programs.



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