

SUSTAINABILITY AND THE SEMINAR SERIES

What If Your House Had an Energy Bill of Zero?

Date: Thursday, Apr 22nd, 2010
Time: 5:30 p.m. - 7:30 p.m.
Location: Lambton College - 1457 London Road, Sarnia, ON
Room: Lambton Inn—Ballroom A
Cost: **Free**

Introduction

Maike Luiken, Ph.D.,
Chair, IEEE London Section,
Dean, Applied Research &
Sustainable Development



Now House
Before and After

Keynote

What If Your House Had and Energy Bill of Zero

Keynote Speakers

Lorraine Gauthier, Co-Founder of Work Worth Doing and President of
The Now House Project

Q & A—General Discussion

Beverages will be provided

www.bluewatersustainabilityinitiative.com
www.workworthdoing.com
www.nowhouseproject.com
london.ieee.ca

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Abstract

One of our biggest environmental challenges is improving the energy efficiency of houses that already exist. This talk will address one firm's progress in creating change in the residential single-family housing sector through deep energy retrofits, demonstration houses and community projects.

The Now House™ Project is one of 12 winning teams in Canada Mortgage and Housing Corporation's net zero energy healthy home competition, later rebranded as EQUilibrium Sustainable Housing Initiative. Now House is the near zero energy retrofit of a 60-year-old wartime bungalow and was the only winning team to retrofit vs build new. The first Now House was completed in 2008 and since then the team has completed nine houses in four cities in Ontario.

The session will cover the technical, social and economic aspects of Now House projects including:

- The impact of the residential sector on natural resources and climate change
- The Now House design process for zero energy retrofits
- A step-by-step pictorial overview of one Now House retrofit project
- The social aspects of the firm's change strategy from community events, open houses to socio demographic surveys, visitor feedback and the role of the media
- An overview of the economic factors relevant to these projects including: partnership and sponsorship development, green jobs and stimulation of the local economy.



Bio

Lorraine Gauthier is co-founder of Work Worth Doing a forward thinking design studio creating social and environmental change. Since 2006, she has led one of the studio's boldest enterprises, the Now House™ project. Now House is a process for retrofitting older houses, particularly the wartime bungalow, to zero energy cost. Their first Now House, completed in Toronto 2008, was a winner of the net zero energy EQUilibrium competition from Canada Mortgage and Housing Corporation and a Green Toronto Award in 2009. Since then they've spread the concept to four cities in Ontario and have sparked interest from people across Canada, in Mexico and Europe. There are a million wartime-style bungalows in Canada, and Lorraine and her team are attempting to build momentum to bring them all up to 21st century energy performance standards. Lorraine has served on the faculty of the Ontario College of Art and Design, the Institute without Boundaries and currently serves on the board of Homes First Foundation, a non-profit organization providing support for Toronto's homeless. She has a B.A. from University of Toronto, a Master of Science in Journalism from the University of Kansas, has completed design programs at Parsons New School of Design, Ryerson University, and U.S. Green Building Council LEED-CI.

