

February 13, 2015



Energy Trust of Oregon Presents: Deep Retrofits on Historic Projects

Join Energy Trust on March 12 for the beginning of the 2015 Allies for Efficiency training series. The training will take place at the Vestas North American Headquarters and cover design and construction best practices for deep energy retrofit projects, including a case study on the Vestas building itself. Following the training, Energy Trust will host a catered reception, and Vestas staff will be available to provide building tours. **Professionals taking this training are eligible for 2.5 AIA LU/HSW and LFA continuing education credits.**

In addition to the live event in Portland, Energy Trust will host group webinars throughout Oregon. Attendees can gather in Salem, Bend, Medford or Eugene to watch the live presentation with an Energy Trust representative facilitating questions. Space is limited at each site. A wait-list will be created once capacity is reached to provide access to as many people as possible. Please limit registrations to five per firm.

Presenters:

Mitch Dec, Principal, Glumac
Steve Clem, Vice President of Preconstruction, Skanska
Renee Loveland, Sustainability Manager, Gerding Edlen
Sabine O'Halloran, Principal, Ankrom Moisan
Vanessa Benedetti, Office Services Manager, Vestas

Course Description:

Deep retrofits go well beyond a system-by-system approach to existing building equipment upgrades. They require a holistic building redesign that incorporates infrastructure, mechanical and electrical systems, building skin, renewable energy, and energy analysis and management. Unlike new

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WHEN:

Thursday, March, 12, 2015
2:30pm - 5:00pm;
(registration begins at 2:00pm)
Catered Reception 5:00 - 7:00pm

construction projects, deep retrofits have the added complexity of working through constraints inherent in the existing structure that designers and contractors must resolve.

This course will present how the owner, developer, design teams, and general contractor approached the conversion and deep retrofit of the former Meier & Frank warehouse into a high-performance office building that serves as the North American headquarters for Vestas. The project is LEED® Platinum certified and has achieved an Energy Star score of 99 through post occupancy energy analysis verification.

Learning Objectives:

- Understand the importance for addressing existing building infrastructure in order to reduce energy use in the building sector.
- How to leverage features within existing building infrastructure to deliver a high performance building renovation.
- The differences between developing a high performance building ground up compared to starting with an existing building shell.
- How to compare actual building energy performance to energy performance forecasted as part of the design process.

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Energy Trust of Oregon | 421 SW Oak St., Suite 300 | Portland | OR | 97204

LOCATIONS:

[Vestas North America HQ](#)
1417 NW Everett Street
Portland, OR 97209
Live Presentation

[Chemeketa Center for Business & Industry](#)
Room 204
626 High Street NE
Salem, OR 97301
Group Webinar

[McMenamin's Old St. Francis School](#)
Rambler Room
700 NW Bond St
Bend, OR 97701
Group Webinar

[RHT Energy Solutions](#)
1215 Stowe Ave
Medford, OR 97501
Group Webinar

[Pivot Architecture](#)
44 W Broadway, Suite 300
Eugene, OR 97401
Group Webinar

CONTINUING EDUCATION CREDITS:

2.5 AIA LU/HSW
2.5 LFA credits
2.5 CCB credits (*tentative*)