



Emerging Green Builders

integrating students and young professionals into the green building movement

Date: Tuesday, June 17th
5:30-7:00

Location: The Miller | Hull Partnership
 Polson Building, 71 Columbia
 Street, Seattle, WA 98104

Case Study: LOTT Administration/Education
 Center and Water Quality Laboratory



The LOTT Alliance, a non-profit organization in Washington's capital city, provides wastewater treatment services and Class A reclaimed water to more than 85,000 people in four local communities: Lacey, Olympia, Tumwater and Thurston County. LOTT is developing a new 32,000sf Administrative/Education Center and Water Quality Laboratory on the site of the existing Budd Inlet Treatment Plant. The facility is targeting a LEED™ Platinum rating, demonstrating the agency's commitment to environmental stewardship, and is currently on target to meet that goal.

LOTT recently began treating wastewater to Class A reclaimed water standards and distributing this water to the local community for non-potable uses including irrigation, industrial/manufacturing, and toilet flushing. Benefits include: wastewater management (reducing effluent flows and water quality impacts), water supply management (reducing stresses on limited water supply sources), and environmental enhancement (using reclaimed water for wetlands restoration, stream flow augmentation and groundwater recharge). Class A reclaimed water is one treatment step (reverse osmosis) away from becoming potable water. As the importance of water grows, closing the loop and transforming wastewater to potable water on community and regional scales will be vital for global sustainability.

The design for the building includes the incorporation and renovation of an existing laboratory building. The new addition will feature green roofs and wood paneling made from timber reclaimed during a local warehouse demolition. Heating/cooling water will be drawn from an existing high-volume, plant-wide low-temperature water loop enabling the project to operate without adding a new independent chiller or boiler. We are also assisting LOTT in coordinating a new co-gen project which uses methane gas produced by the sewage digesters of the water treatment plant to generate power and heat for the plant – transforming a highly toxic waste product (methane is 20x more harmful than CO₂ as a greenhouse gas) into an useful amenity.

Who are the Emerging Green Builders (EGB)?

The Emerging Green Builders is a USGBC program working to integrate students and young professionals into the green building movement.

Who can be an emerging green builder?

Anyone interested in becoming more involved in green building from any discipline of study or practice is welcome to participate in EGB. Largely this group is comprised of students and young professionals, but EGB also incorporates seasoned professionals who are new to the green building industry. For the purposes of discounts and benefits, Emerging Green Builders is defined as any current college student or person within 5 years of graduation.

No RSVP required ~ Free

EGB CONTACT

If you have any questions regarding this event, or suggestions for green building firms that would like to host an EGB event & present a collaborative project, please contact Seattle Branch EGB co-chairs [Chris Chatto \(cchatto@zgf.com\)](mailto:cchatto@zgf.com) or [Alicia Daniels Uhlig, NCARB \(auhlig@gglo.com\)](mailto:auhlig@gglo.com).

2008 EGB SPRING SERIES

April 15th McKinstry: Sustainable Engineering: Energy Service Case Studies

May 20th GGLO: Case Study - Affordable housing pursuing LEED from multiple view points

June 17th The Miller Hull Partnership: Case Study - LOTT Administration/Education Center and Water Quality Laboratory targeting a LEED™ Platinum rating

Leading green building firms of Seattle present their own work in their own offices to the next generation of ecological designers.

For more information see the Cascadia calendar: <http://www.cascadiagbc.org/calendar>

CASCADIA CHAPTER

Cascadia is a chapter of the US Green Building Council (USGBC), the building industry's only balanced, nonprofit, consensus coalition promoting the understanding, development and accelerated implementation of "green building."

Cascadia serves its members by striving to fulfill the USGBC's mission, realize its vision, and accomplish its goals in the Pacific Northwest region.

MISSION

Cascadia's Mission is to promote the design construction and operation of buildings in Oregon, Washington, Alaska and British Columbia that are environmentally responsible, profitable and healthy places to live, work and learn.

BECOME AN INDIVIDUAL MEMBER OF CASCADIA TODAY AT:

<http://www.cascadiagbc.org/membership> *reduced rates for Emerging Green Builders

CASCADIA CHAPTER BRANCHES

To overcome potential challenges associated with serving such a broad region, Cascadia Chapter Branches have been established to provide networking and continuing education opportunities for members and industry professionals in their immediate marketplace. Regularly scheduled meetings within each Branch will provide access to green building research and emerging issues that are pertinent to our region and locale. Currently, Branches are active in Portland, Eugene, **Seattle**, Spokane, Tacoma/Olympia, Thompson/Okanagan, Bellingham, Alaska, Victoria and Vancouver, British Columbia.

EGB programming is made possible thanks to the generosity of our hosts and Friends of Cascadia. For a list of the Cascadia Friends and information on the benefits of becoming a Friend, please visit:

<http://www.cascadiagbc.org/sponsorship>

