



The Cascadia Chapter of USGBC and The Oregon Natural Step Network

present

Envisioning Fully Sustainable Buildings:
Using The Natural Step and LEED

May 04, 2005

8:00am - Noon

Ecotrust Conference Center

721 NW 9th Ave

Portland, OR

This half-day interactive workshop is for experienced LEED practitioners to understand how The Natural Step (TNS) framework can be a bridge to conceive fully sustainable building projects. Participants will learn how to use the framework as a visioning tool that complements the tactical strategies rewarded by the LEED green building rating system. Workshop components include:

- The Natural Step fundamentals
- How to apply The Natural Step in an eco-charrette visioning process
- Take-home tools for integrating The Natural Step and LEED
- Case study examples

An introductory overview will cover the scientific basis of the Natural Step and essential concepts of the Natural Step framework model of sustainability. Afterwards, participants will have a chance to use these concepts in an interactive eco-charrette to formulate fully sustainable buildings. Hand-out materials will allow design and construction industry professionals to extend their knowledge of TNS and LEED through application on their own projects.

SEMINAR LEADERS:

Oregon Natural Step Network Construction Industry Group

Duke Castle, Oregon Natural Step Network

John Echlin, SERA Architects

Scott Lewis, Brightworks Northwest

Charlie Stephens, Oregon Department of Energy

Dennis Wilde, Gerding Edlen Development

WHAT PARTICIPANTS WILL LEARN:

Fundamentals Session

A whole systems perspective for considering sustainability

The Natural Step model including the four system conditions

The basic science underlying the Natural Step

Case study projects that have benefited from The Natural Step

The “backcasting” process as a design charrette tool

Building and Construction Session

How Natural Step principles apply to the construction industry

Utilizing the backcasting process to analyze complex problems

How to envisage a sustainable project

Developing strategies to achieve sustainability

How Natural Step principles compliment the LEED™ Rating System

Identifying barriers and prioritizing measures to overcome them

Take home tools for professional application

8:00am - Registration and Continental Breakfast

9:00am-10:00am - Natural Step Fundamentals

The initial session is targeted for a general audience of design and construction industry professionals. The presentation will cover the fundamentals of The Natural Step (TNS), the science behind the model and how it can be applied as a framework toward the construction and operation of fully sustainable buildings. The “backcasting” process as a design charrette tool and case studies of projects that have applied TNS principles will be presented.

10:00am-12:00pm - Application in Building Design and Construction

The following hands-on workshop will focus on real world exercises in small groups that will allow participants to more effectively integrate TNS concepts into their professional work. The backcasting process will be introduced as a tool and how TNS can compliment the LEED™ Rating System will be discussed. Participants will then apply the tools of TNS and backcasting to envision fully sustainable buildings and the steps toward achieving them.

WHAT IS THE CASCADIA REGION GREEN BUILDING COUNCIL? Cascadia's nonprofit mission is to promote the design, construction and operation of buildings that are environmentally responsible, profitable and healthy places to live and work. The largest Chapter of both the U.S. and Canada Green Building Councils, Cascadia focuses on sustainability in Oregon, Washington and British Columbia.

WHAT IS THE NATURAL STEP? The Oregon Natural Step Network is a non-profit educational organization whose members are working together to build a sustainable society. The Network follows the principles of The Natural Step framework that is grounded in natural science and serves as a guide for sustainable development. It encourages dialogue, consensus-building, and systems thinking – key processes of organizational learning – and creates the conditions for profound change to occur.

Pricing:

<u>Early Registration</u>	<u>After April 20</u>
Members: \$95	Members: \$110
Non-members: \$110	Non-Members: \$135

(Early Registration ends April 20 at 5 PM)

Getting There: We encourage registrants to use the Street Car or other pubic transport. Two hour street parking is also available.

To Register: Online Registration at: [WorkshopRegistration](#)
(To pay by check or resolve online registration problems, contact Brandon@cascadiagbc.org or call 503-228-5533.)