



Oregon  
Natural Step Network  
PRESENTS

*An intensive one-day workshop*

**ECO-INDICATORS:  
MEASURING  
AND REPORTING  
ENVIRONMENTAL  
PERFORMANCE**

FRIDAY, FEBRUARY 16, 2001

MULTNOMAH ATHLETIC CLUB

PORTLAND

8:30 AM - 4:30 PM

# ECO-INDICATORS: MEASURING AND REPORTING ENVIRONMENTAL

## ABOUT THIS WORKSHOP

This workshop is for leaders and managers who intend to improve the environmental performance of their organization.

Selecting key indicators that measure and report environmental performance is a crucial practice for effective management of environmental improvement efforts. Using hands-on case studies and actual examples of situations faced by environmental managers and sustainability coordinators, the workshop faculty will introduce a systematic approach for selecting the most appropriate indicators for a particular situation.

Participants will work through a practical exercise using actual data from a manufacturing operation and will select and develop practical indicators of environmental performance.



## WORKSHOP AGENDA

### 1. Systematic Approaches to Management

- Managing quality and customer satisfaction
- Plan-Do-Check-Act cycle
- Environment Management Systems (EMS)
- Measuring, monitoring and reporting

### 2. Integrating Concepts

- Life cycle analysis—where to measure in the life cycle
- Value chains—measuring core functions
- Total quality environmental management

### 3. Guidelines for Measuring and Reporting

- Full-cost environmental accounting
- ISO 14031 and EMAS
- Dow Jones Sustainability Index
- Global Reporting Initiative (GRI)

### 4. Measuring Environmental Performance

- Process metrics for environmental management
- Selecting key measures: how to approach the process
- Integrating environmental and business performance indicators
- Using indicators effectively

### 5. Working with Environmental Performance Indicators (EPIs)

- Emissions and toxic releases
- Resource use: energy and materials
- Product and non-product (waste) outputs

### 6. Sustainability Indicators of The Natural Step (TNS)

- Core principles of The Natural Step framework
- Implications of business decision-making
- How the principles influence the design of eco-indicators

### 7. Hands-on Practical Exercise and Case Study Discussion

Participants will start with raw data and discuss the issues that must be addressed in designing and selecting environmental performance indicators for a manufacturing firm. Bring a hand-held calculator. At the completion of the exercise, the manager with responsibility for the selection of the indicators being used in the organization will describe his set of indicators and how they are used in the company to support change efforts.

### 8. Case Study Presentation: Collins Products LLC.

Collins Products is a wood products manufacturing company with 400 employees located in Klamath Falls, OR.

## WHAT YOU WILL LEARN

- How to choose appropriate environmental indicators for your organization
- Reasons for using some types of indicators over others
- How to get your environmental performance measurement system started
- How to use indicators to prevent environmental issues from arising

# PERFORMANCE

- Guidelines for environmental performance measurement and reporting
- Compelling arguments for making the measurement of environmental performance a strategic issue
- How organizations are measuring their progress toward sustainability utilizing The Natural Step framework

## WORKSHOP LEADER

**Burton Hamner** is president of CleanerProduction.com and is an international environmental consultant, author and speaker with extensive expertise in pollution prevention. He has worked for the Washington Department of Ecology, the World Bank, Nike, U.S. Agency for International Development and others. He is a former professor of corporate environmental management at the leading graduate business school in Southeast Asia and continues as an adjunct faculty member there. Hamner holds masters degrees in Business and in Environmental Policy.

## ADDITIONAL INSTRUCTORS

**Travis Wilson**, Sustainability Facilitator, Collins Products LLC

**Wayne Rifer**, Principal, Rifer Environmental; Program Developer, PSU  
Industrial Ecology Initiative

## WHAT IS THE NATURAL STEP?

The Natural Step (TNS) framework is a set of principles based on natural science that assist organizations seeking to operate in a sustainable manner. At the heart of TNS framework are four principles or "system conditions" required for the life support systems of the earth to remain healthy. Like a compass, they provide alignment and direction to guide businesses and government entities into the 21st century toward sustainability.

## REGISTER TODAY

**ECO-INDICATORS: MEASURING AND REPORTING ENVIRONMENTAL PERFORMANCE, February 16, 2001**

**Registration: 8:00 AM Program: 8:30-4:30 PM Multnomah Athletic Club, 1849 SW Salmon, Portland**

- Please register me for Eco-Indicators: Measuring and Reporting Environmental Performance
- This confirms telephone registration made earlier. For additional registrations, please photocopy this form.

Return this form with your credit card information or a check made payable to:

### **Oregon Natural Step Network**

506 SW 6th Avenue, Suite 1100

Portland, OR 97204

Fax: (503) 241-7429

**Attendance is limited.** Please register early to receive the Early Bird discount and to assure yourself a seat at the workshop. Questions? Contact Steve Radtke at (503) 241-1140 or [steve@nwei.org](mailto:steve@nwei.org).

	Postmarked	
<b>Tuition</b>	<b>By 1/31</b>	<b>After 1/31</b>
Network Member:	\$195	\$240
Non-Member:	\$245	\$295

*Tuition includes program materials, lunch and beverages during breaks.*

**Group discounts for three or more are available.** Deduct \$20 per person. Registrations must be mailed and paid for at the same time.

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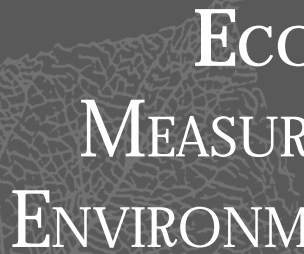
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Registration must be accompanied by payment. **There is a \$5 surcharge for credit card registrations.** **Cancellation Policy:** You may cancel your registration and receive a full refund provided you cancel by February 12th. No cancellations accepted after that date.

*An intensive one-day workshop*



# ECO-INDICATORS: MEASURING & REPORTING ENVIRONMENTAL PERFORMANCE

FRIDAY, FEBRUARY 16, 2001

## THE OREGON NATURAL STEP NETWORK

The Oregon Natural Step Network, a project of the Northwest Earth Institute, is a membership organization established to support Oregon businesses, governmental, and community organizations interested in working with The Natural Step framework for sustainability. More than two thousand people have attended its educational programs since its inception in June 1997. Members are entitled to quarterly newsletters, executive briefings, and discounts on educational events and the Oregon Natural Step Network Tool Kit. For membership information, please contact Steve Radtke at (503) 241-1140 or [steve@nwei.org](mailto:steve@nwei.org)



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