
Oregon BEST Green Building Working Meeting

February 16, 2009

Meeting Goal

- Engage both Oregon business and industry leaders AND Oregon University System faculty
- In...
 - Making connections
 - Identifying specific opportunities for collaboration
 - Framing Oregon BEST research agenda for green building
 - Brainstorming research funding opportunities

Oregon BEST Overview

- **Charter:** Utilize Oregon's university research assets in renewable energy & green building to grow Oregon's economy.
- **History & Funding:** Created via Oregon legislative funding in 2007 upon recommendation from Oregon Innovation Council. Additional financial and in-kind support from Oregon University System, partner universities and Meyer Memorial Trust.
- **Org structure:** Independent 501(c)(3) with board of directors representing industry and university partners. Partnership with four Oregon universities. Relationships developed with many large & small companies, government entities and nonprofits.

OSU Oregon State University



Oregon BEST Board

- Allan Abravanel, Perkins Coie
- Gordon Brinser, SolarWorld USA
- John Cassady, Oregon State University
- Senator Richard Devlin, ex officio
- Roy Koch, Portland State University
- Richard Linton, University of Oregon
- Chris Maples, OIT
- Wade Mosby, Collins Companies
- Bill Nicholson, PGE
- Rod Quinn, PNNL
- Kirsten Sommer, CH2M HILL
- Dennis Wilde, Gerding-Edlen Development
- Jean Wilson, SkySource Renewable Energy

Oregon BEST Strategy

- **FUEL** research growth with outside funding – focus, support & leverage
- **CAPITALIZE** on growing faculty expertise and facility resources by leading commercialization & industry competitiveness initiatives – create new businesses, recruit new businesses, help existing businesses grow and be more competitive in their fast-changing industries

Oregon BEST's Green Building Investments

- \$700K of university green building lab facility investments, matched by university commitments of \$800K
- Faculty proposal matching program
- Program management
 - Research agenda
 - Collaboration facilitation

The Oregon Opportunity

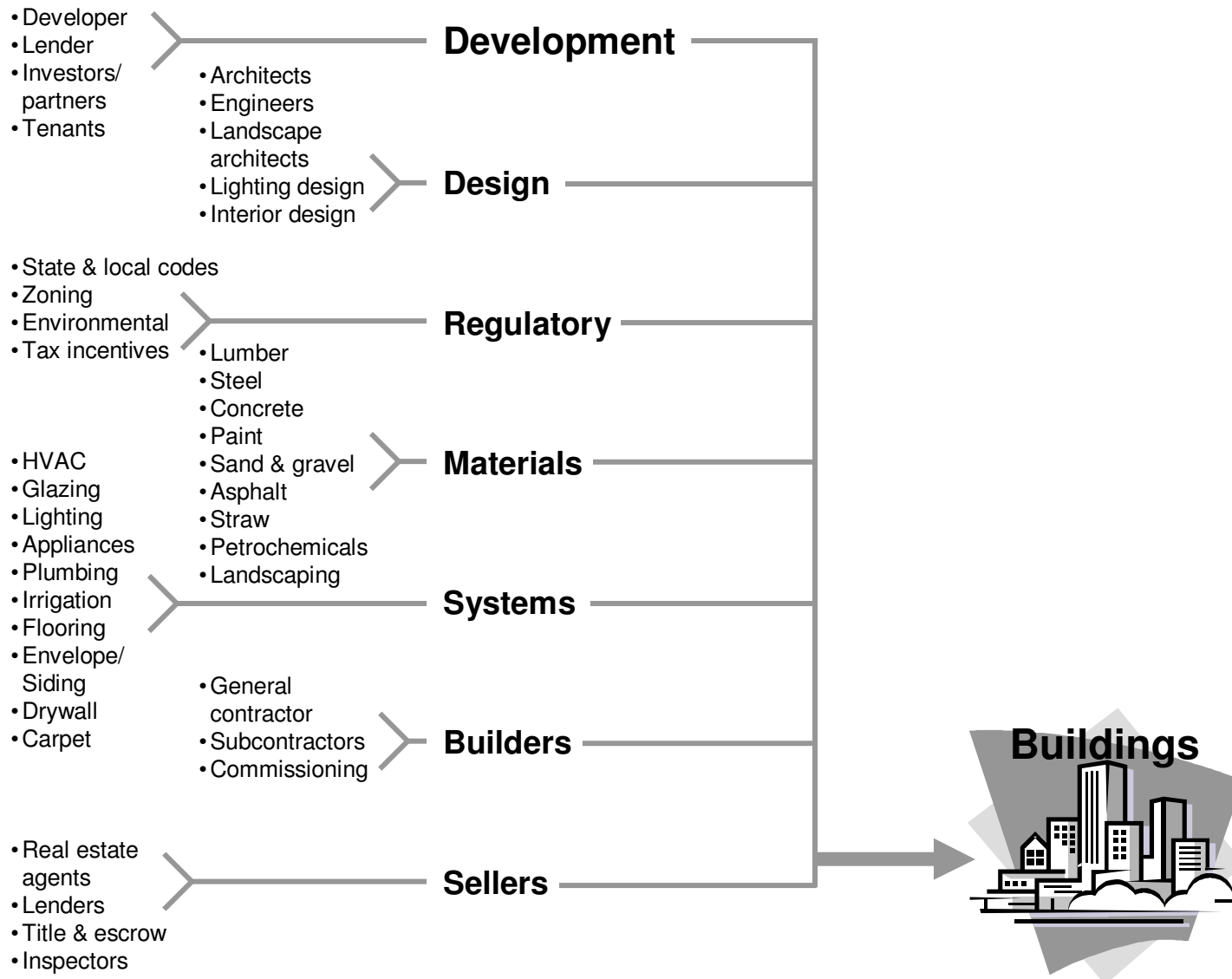
- Build on experience
- Define & demonstrate 2nd Generation Green building
 - living buildings, net zero (energy, water, waste), eco-districts
- Tackle & overcome the barriers – big & small
 - Making larger living buildings a reality
 - Cost-effective proliferation of technologies, materials, methods
 - Scale out of tried & true methods & processes
- University research faculty partnered with business professionals – advising and studying real projects, driving continuous improvement and innovation
- Seize opportunity & investment driven by national agenda
- Export Oregon's products & expertise

Oregon's pioneering success in green building...

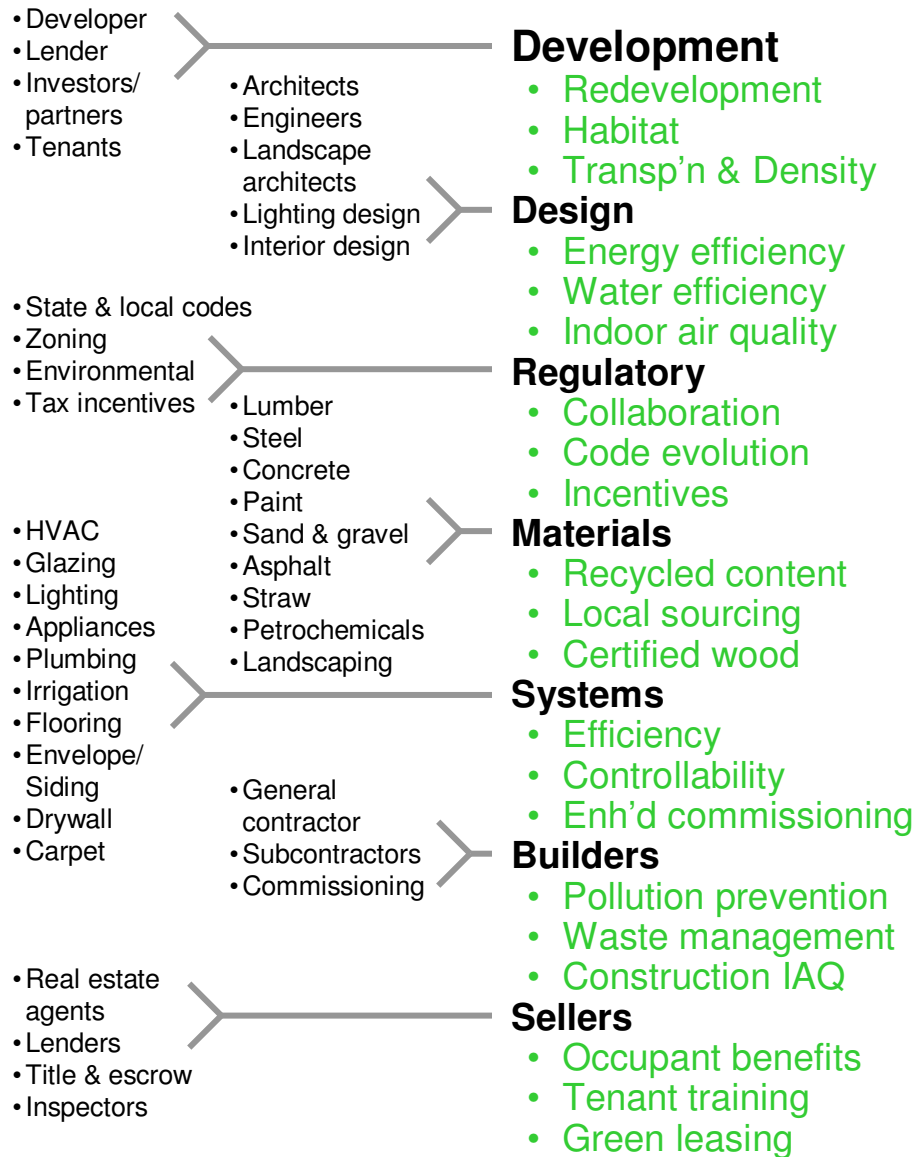
... through over 100 completed LEED projects, across cities, sectors, owner types, uses, new & retrofit...

Project Name	Owner	City	LEED Rating
Marion Courthouse		Salem	Bronze
Regional Training & Distribution Center	American Honda Motor Co.	Gresham	Gold
Roberts Hall	Lewis & Clark College	Portland	Silver
0030 The Dalles Middle School	The Dalles School District #12	Dalles	Gold
Viridian Place		Portland	Certified
Jean Vollum Natural Capital Center		Portland	Gold
North Mall Office Building	State of Oregon	Salem	Gold
Wayne Lyman Morse US Federal Court House	U.S. General Services Administration	Eugene	Gold
Howard Hall	Lewis & Clark College	Portland	Gold
Clean Water Services Administrative Offi	Clean Water Services	Hillsboro	Gold
Hillsdale Library	Multnomah County	Portland	Gold
	North Clackamas		

A key to Gen 2: INTEGRATION

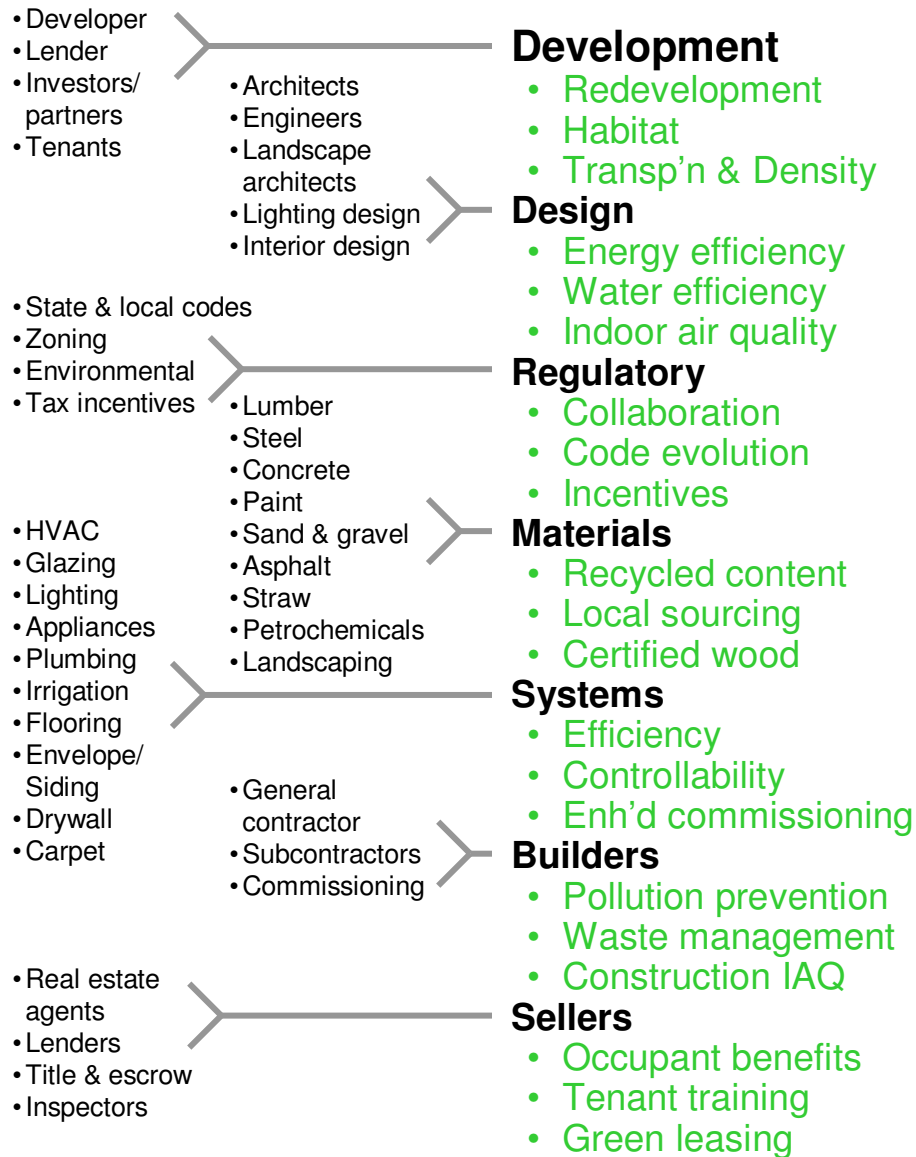


A key to Gen 2: INTEGRATION



GEN 1

A key to Gen 2: INTEGRATION



GEN 2

Developing vision, moving toward proposal...

Oregon BEST National Center for Green Building

- A national center located in Oregon that focuses on **INTEGRATION** and **IMPLEMENTATION**, through Gen 2 green building technologies and practices, with an eye toward **DRIVING ADOPTION**
 - **DEMONSTRATE** carbon neutral, net zero energy, net zero water and other forward-thinking building concepts
 - Show **ECONOMIC SUCCESS** in Living Buildings and Eco-Districts including retrofits
 - Leap the **BARRIERS** that currently limit green building to a small percentage construction

Today's Meeting

- Develop relationship – meet, talk, network, share ideas
- Identify the barriers to overcome to achieve next generation green building
- Identify the opportunities for collaboration that can move us collectively forward
- Provide feedback to Oregon BEST on role(s) that is/are needed

Agenda

- Focused presentations from business and faculty
 - Materials
 - Building Integrated Energy Generation Technologies
 - Building Design & Systems
 - Eco-Districts & Policy
 - Performance Assessment

Agenda cont'

- Lunch
- Concurrent Breakout Sessions
 - 1. Materials
 - 2. Design & Systems
 - 3. Eco-Districts & Policy
- Report back to full group
- Time at end of session for continued informal discussions

Information Packets

- Description of the presentations
- ‘Barrier’ inventory
 - Return at lunch please
- Information on Oregon BEST
- Summary of initial ‘seed’ research projects
- Information on working with the OUS System
- Evaluation form



best

Oregon Built Environment &
Sustainable Technologies Center