

THE PASSIVE HOUSE CONCEPT

STEPHEN AIGUIER, CPHC

ENERGY CONSULTANT

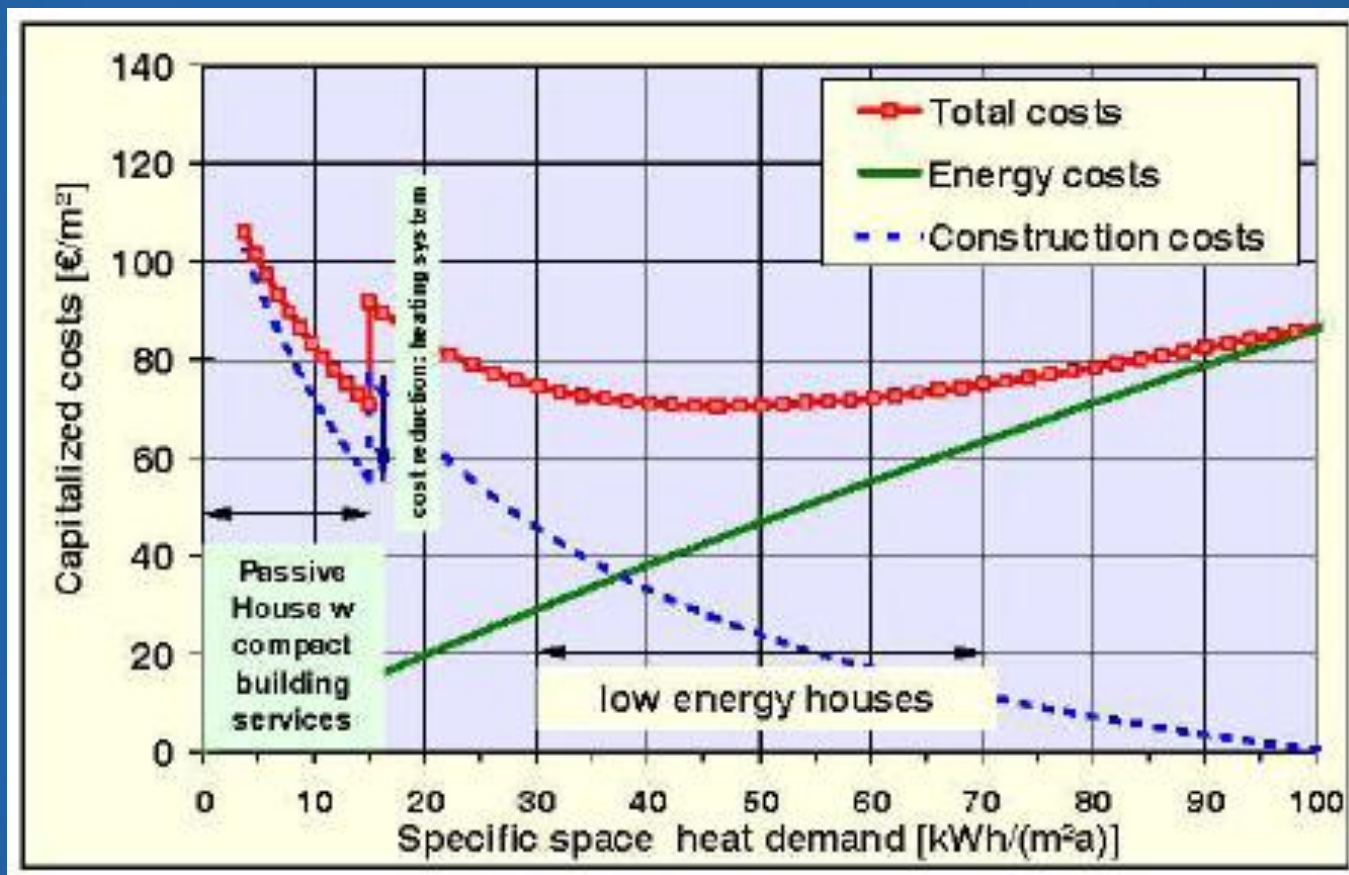
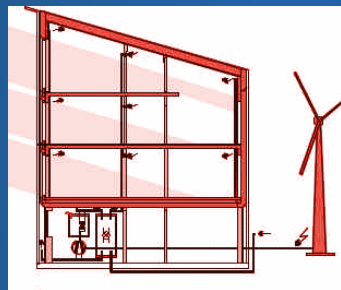
PRESIDENT GREEN HAMMER

LET OREGON
LEAD 2011

THE PASSIVE HOUSE

CONCEPT

“Tunneling through the cost barrier” –Amory Lovins



BUILT PASSIVE HOUSE BUILDINGS IN OREGON

DYLAN LAMAR, CPHC

ARCHITECTURAL DESIGNER & ENERGY CONSULTANT

GREEN HAMMER



LET OREGON
LEAD 2011

WHY PASSIVE HOUSE?

GRAHAM WRIGHT, CPHC

WRIGHT ON SUSTAINABILITY

LET OREGON
LEAD 2011

WHY PASSIVE HOUSE?

TRUE TO THE REACH CODE LEGISLATION – FOCUSED ON OPERATING ENERGY.

PERFORMANCE vs PRESCRIPTIVE

- Performance approach (vs prescriptive) is needed to do high-performance buildings economically.

PH IS CONSISTENT WITH KNOWN BUILDING SCIENCE

- I get the impression everyone is groping their way towards Passive House.

PRECISION PLANNING

- The PHPP workbook is a good tool for planning high-performance buildings.

**LET OREGON
LEAD 2011**

THE FUTURE IS HERE TODAY

SAM HAGERMAN

PRESIDENT HAMMER AND HAND, INC.

PRESIDENT NATIONAL PASSIVE HOUSE ALLIANCE

LET OREGON
LEAD 2011

THE FUTURE IS HERE TODAY

COMPLEMENTARY

- Our proposal is **complementary** to the rest of the Reach Code, and simply provides a high performance option for people who want to use it

VERIFICATION

- We call for non-proprietary **verification** of the Passive House Building Energy Standard, not certification.

MARKET READY

- Passive House (and other zero energy building) is where we as a State are headed, and inclusion in the Reach Code will facilitate easy institutional and market **adaptation** and adoption.

LET OREGON
LEAD 2011

WE HAVE A CHOICE

TO HELP LEAD THE COUNTRY IN SUPPORTING AFFORDABLE, DOABLE,
SUPER-EFFICIENT BUILDINGS.

LET OREGON LEAD

LET OREGON
LEAD 2011

ENDORSERS OF LET OREGON LEAD CAMPAIGN

NONPROFIT ORGANIZATIONS:

Citizens' Utility Board of Oregon

Climate Solutions

Ecobuilding Collaborative of Oregon

NW Ecobuilding Guild

NW Ecobuilding Guild Portland Chapter

NW Energy Coalition

Oregon Environmental Council

Passive House Alliance

Passive House Institute US

Passive House Northwest

Passive House Oregon

Proud Ground

Rocky Mountain Institute

VOIS Business Alliance

**LET OREGON
LEAD 2011**

ENDORSERS OF LET OREGON LEAD CAMPAIGN

BUSINESSES:

A Kitchen That Works

Alison Kwok Architect

Cityhouse Builders

Debar Architecture

DMS Architects

Drumheller Design Studios

Eagle Creek Natural

BuildingEco Smart Building PC

Edmiston Design/Build

Ethan Beck Homes

Green Hammer

Green PDX

Hammer and Hand

JB Hammer Designs

Living Room Realtors

Lunabridge

Meadows Group Realtors

Nathan Good Architects

PDX Living

Root Design Build

Sarah Davis Design Services

Small Planet Workshop

Studio-E Architecture

Sustainable Solutions Unlimited

Swift Architecture

Ted Nickell Design

Tom Bender Architect

Wright On Sustainability

Year Round Comfort

**LET OREGON
LEAD 2011**

**LET OREGON
LEAD**

THANK YOU.