

# CASE STUDY

## *Portland YouthBuilders Prepares Students for Careers in Green Building*



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# SESSION OBJECTIVES

- Explore Energy Trust of Oregon's Technical School Outreach (ETO's TSO) Initiative partnership with Portland YouthBuilders (PYB).
- Learn about the energy efficient and green features PYB is incorporating into affordable housing projects, providing integrated learning opportunities.
- Discover how working with ETO's TSO initiative will help you tap into resources designed to prepare CTE students for high-demand careers in green building.



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# ENERGY TRUST OF OREGON

## **Energy Trust of Oregon (ETO)**

*Working with Oregonians to change energy use*

## **New Homes (NH) Program**

*Working with builders and contractors to integrate energy efficiency into residential new construction*

## **Technical School Outreach (TSO)**

*Working with educators to integrate building science, energy efficiency and green building into CTE*



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## PORTLAND YOUTHBUILDERS

- About Us
- Mission
- Programs
- Green Building Initiative
- ETO TSO Launch



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## SCHILLER STREET Project



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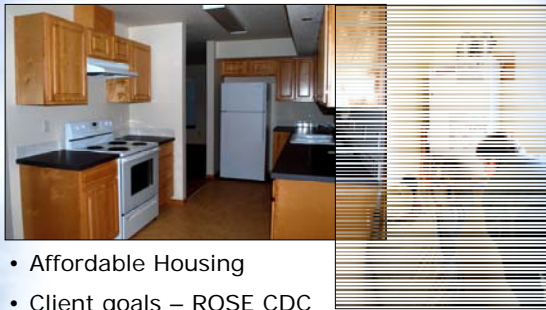
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## SCHILLER STREET Project Goals



- Affordable Housing
- Client goals – ROSE CDC



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## SCHILLER STREET Project Details

- Energy Trust of Oregon New Home, exceeding ENERGY STAR® New Home standards
- Other green building features: land, health, materials and water
- PYB and home-owner benefits!



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## WHAT'S NEXT 86th Avenue

### Another project with ROSE CDC and PDC in the Lents Urban Renewal District

- Two-unit affordable housing duplex
- Incorporating advanced energy efficiency, conservation and green building features

### Expanding Partnerships

- ETO + Earth Advantage, US Green Building Council and OR Dept. of Energy.
- Pursuing multiple home certifications



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## 86th AVENUE Green Building Strategies

- Energy
- Health
- Land (Site)
- Materials
- Water



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## 86th AVENUE Enhancements

### Amplifying Integrated Learning

- Dedicated Curriculum
- Expanded TSO Classroom and Field Workshops

### Connecting to Higher Ed

- OIT and Solar

### Marketing and PR

- Expanded Case Study, Video Documentary, Home Tour, Open House, Home Awards

December 21

June 21  
at Sunset



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## INTEGRATED LEARNING Applied

### Site-based learning

- Incorporating learning through skill building
- Hands-on from site development through interior finishing
- Field-based workshops



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## INTEGRATED LEARNING Classroom



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## Preparing for Green Careers

- Before PYB
- Why PYB?
- Student Life and Learning
- Future is Green: Preparing for a Career



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## PARTNERS MAKE THIS POSSIBLE

Portland Development Commission (PDC)  
Earth Advantage  
Sustainability in Urban, Community & Economic Development  
Imagine Energy  
YouthBuild U.S.A.  
Energy Trust of Oregon  
Oregon Institute of Technology  
Rose  
Oregon Department of Energy Conservation Division  
MULTNOMAH COUNTY OREGON

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## QUESTIONS?

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