

# Free Educational Seminar

*For PGE Commercial and Industrial Customers*

## Improve Energy Efficiency in Your Building – HVAC, Building Tune-Up, & Commissioning

**This free, half-day seminar** focuses on how to optimize your building's performance. You'll learn concepts to reduce energy use, improve building operation, enhance occupant comfort, and maximize the effectiveness of maintenance practices. You'll also learn when it might be time to call in the experts and hire a commissioning agent.

**Due to popular demand, we have added an afternoon session!**

### **This seminar will equip participants to better:**

- *Understand basic principles of building systems*
- *Increase performance and enhance system reliability*
- *Identify system savings opportunities*
- *Spot opportunities for capital investment in energy efficiency projects*

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## Who should attend?

This seminar is for management and staff of PGE commercial and industrial customers, who would like to expand their understanding of building systems and the energy efficiency opportunities for lowering operating costs.

- *Building managers*
- *Facility managers*
- *Sustainability coordinators*
- *Building operators*
- *Energy managers*
- *Building owners*

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## Instructors

### ***Bruce Dobbs, P.E., Mechanical Systems Engineering***

*Bruce has over 25 years of experience in mechanical design and energy services. Bruce was formerly a partner at DuPont Dobbs Engineers and manager of Energy Services for Bentley Engineering. He has been on the faculty at Portland State University Department of Mechanical Engineering since 1996. Mr. Dobbs has a BS in Mechanical Engineering from Washington State University and an MBA from Pepperdine University. He is a member of the U.S. Green Building Council (USGBC) Higher Education Board.*

**March 8, 2012 in Wilsonville**

## Time and Location

Thursday, March 8, 2012

7:30 a.m. – 11:00 a.m. **FULL**

1:00 p.m. – 4:00 p.m. **OPEN**

Wilsonville, Clackamas Community College

PGE Corporate Training University Campus

## Directions

**From 1-5 Southbound:** Take 1-5 South to Exit 283.

Turn left at light onto Wilsonville Road, go to fourth stop light and turn left onto Town Center Loop East.

**From 1-5 Northbound:** Take 1-5 North to Exit 283.

Turn right at light onto Wilsonville Road, go to third stop light and turn left onto Town Center Loop East.

Clackamas Community College – PGE Corporate University Campus - Look for the “PGE/PacifiCorp” sign.



## Cost

Free to PGE commercial and industrial customers. Others may attend based on space; fee will apply.

## Accreditation

- Clackamas Community College: 0.3 CEUs (continuing education units)
- IFMA: Qualifies for three CFM maintenance points
- Oregon Real Estate Agency: qualifies for 3 continuing education credit hours (course topics: commercial real estate and property management)

## Registration

RSVP is requested as soon as possible. However, we can accommodate a few walk-in registrations. To register, e-mail [PGE.Seminars@pgn.com](mailto:PGE.Seminars@pgn.com) or call **503-464-8020** and press “1” for classes.

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