

# Free Educational Seminar

*For PGE Commercial and Industrial Customers*

## Monitoring Load Shape for Energy Savings

**This free half-day seminar** will help you understand what the energy experts look for in your load shape to analyze the use of energy in your business or organization. Experts will show you how to use the meter's "interval data" to look for savings opportunities.

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

- *Understand your energy bill and basic electricity concepts*
- *Learn to convert interval data into load shape*
- *Learn to use load shape collected daily, weekly or monthly to identify energy opportunities*
- *Learn about benchmarking and when to apply the practice to your facility*
- *Learn the basics of Energy Star certification and related benchmarking*

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## Who should attend?

Businesses and organizations who want to improve their knowledge of monitoring load shape for energy efficiency opportunities.

- *Facility and Energy Managers*
- *Sustainability Managers or Coordinators*
- *Property and Building Managers*
- *HVAC System Programmers*

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## Instructors

**Rick Durst**, Energy Information Services Program Manager, Portland General Electric, EPA. Rick Durst has 20 years in the electric utility industry plus 10 years as an electrician in the U.S. Nuclear Submarine Service. He has led PGE's Energy Information Services program for the last 7 years and also manages PGE's Demand BuyBack, Plug in Vehicle and Web-based Power Quality Monitoring programs. Rick also serves as a board member for the Oregon Association of Professional Energy Managers.

**Greg Nelson**, Commercial/Industrial Energy Specialist, Portland General Electric, PE. Greg is a mechanical engineer with more than twelve years experience in commercial and industrial systems design and operation. Greg specializes in identifying energy efficiency improvement opportunities with businesses, schools, governments, and other non-profit organizations.

## Time and Location

Wednesday September 15, 2010

7:30 a.m. – 12:00 p.m.

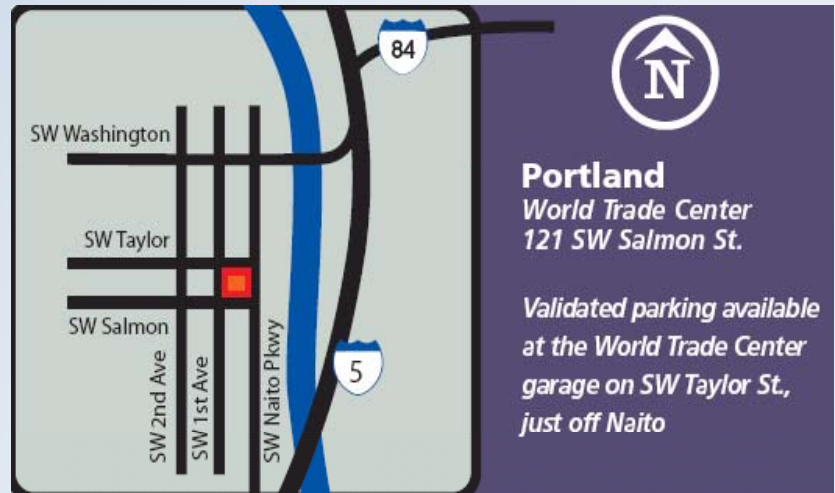
Continental Breakfast: 7:30 a.m.

Seminar: 7:50 a.m.

2 World Trade Center

## Cost

Free to PGE customers. Others are welcome based on space, small fee may apply.



## Accreditation

- Chemeketa or Clackamas Community Colleges: 0.4 CEUs (continuing education units)
- IFMA: Qualifies for four CFM maintenance points
- BOMA: Certificate of Completion that can be used toward certification

## 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.

## More Educational Opportunities

Visit our web site at [PortlandGeneral.com/Classes](http://PortlandGeneral.com/Classes). Classes may be added throughout the year. If you'd like to receive e-mail notices of new class offerings, please e-mail [PGE.Seminars@pgn.com](mailto:PGE.Seminars@pgn.com).

### Additional classes to look forward to in 2010/2011:

- *EE & Renewables – A CFO Perspective*
- *Energy Champions Workshop*
- *Energy & Water Efficiency – Double Your Savings*
- *HVAC, Building Tune-Up, & Commissioning*
- *Monitoring Load Shape Workshop for Energy Expert Users*
- *Monitoring Load Shape Workshop for E-Manager Users*



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