

# Custom Solutions

## Energy monitoring and facility management **solutions to fit your needs**

Portland General Electric offers three powerful energy monitoring services: Energy Guard, E-Manager and Energy Expert. But we understand that every business is unique, and you may have specific energy and facility management questions beyond the scope of these services. That's why we offer custom solutions to help you find the answers you need

### What questions can we answer?

We can design a custom solution to address just about any type of energy issue you may have. Here are a few examples:

- *How much natural gas and water is our facility using and when?*
- *Which building on our campus is using the most energy?*
- *What has our energy usage looked like in the past and how will it change with our new HVAC system?*
- *How can we more effectively manage our energy usage and our facility as a whole?*

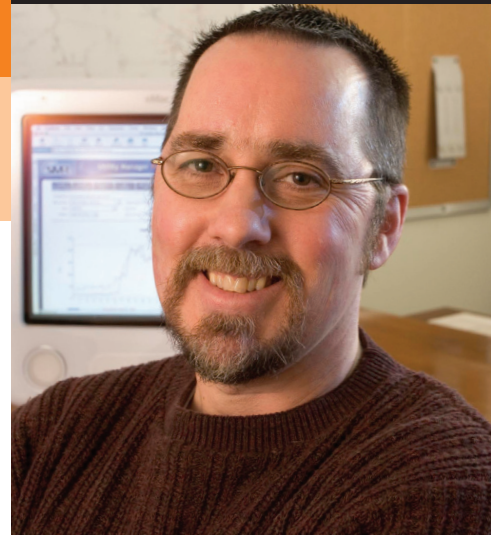
### Powerful tools get you the answers you need

PGE can custom tailor a solution to your requirements. We'll give you precisely the tools and data you require to most effectively manage your unique situation and control your utility costs. Here's how we can help:

- **Customized data reports** – PGE can supply a wide range of

*customized reports including reports from wireless data recorders, short-term reports, a spreadsheet of your PGE billing history and one-time energy reviews.*

- **Natural gas and water metering** – Monitor your water and natural gas usage as well as electricity to get a handle on all of your utility costs. We work in cooperation with NW Natural and your water service provider to gather usage data.
- **Real-time wireless data monitors** – Wireless-monitoring devices collect real-time data and post the information to the Web as often as every five minutes. *It's an easy way to collect data from a variety of sources, including remote sites, without installing additional phone lines. You can use the monitors to track HVAC systems, energy use, tank inventory, steam systems, UPS battery systems, environmental controls, water levels and just about any other system in your facility.*



*"Thanks to customized solutions from PGE, we were able to collect detailed 15-minute interval data from our utility meters and pinpoint problems. This information has helped us reduce our energy consumption even further than earlier conservation efforts. As a result, we're aiming to save \$1 million dollars or more this year."*

– Dave Cone  
Resource Conservation Manager,  
Evergreen School District

- **WorkSite™ software** – This software can help put all of the data into context and make it work for you. WorkSite is a Web-based program that centralizes project management, preventative maintenance, work-order tracking, utility bill management, energy benchmarking, document sharing and other important tasks.

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## What customers are saying:



*"We decided to implement a corporate-wide solution to track energy usage. PGE supplied us with a cost-effective custom solution for collecting interval load data for the millions of square feet of property we manage throughout the Portland area. This data will help quickly identify areas of potential savings."*

– **Chet Bowlsby**  
Manager Portfolio Engineering  
Able Engineering Services

## Solutions within budget

Charges for our custom solutions are typically well within a facility manager's budget. In many situations, there are no big up-front capital expenses to worry about.\*

## Let us create a custom solution for your business

To learn more, contact your PGE representative today. You can also call the PGE Business Services Team at **503-228-6322** in Portland, **503-399-7717** in Salem, or **1-800-822-1077** outside Portland/Salem. Or e-mail us at **Business.Services@pgn.com**.

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Our custom solutions option is just one way PGE can help you with energy monitoring needs. To find the best solution for your business, be sure to also consider our EnergyGuard, E-Manager and Energy Expert options. Learn more at **PortlandGeneral.com/EnergyMonitoring**.

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\*Circumstances vary. Metering may involve some capital expenses.

WorkSite is a registered trademark of NorthWrite® Inc., a PGE-contracted service provider.

You do not need to purchase these services to continue to receive power from PGE. You may purchase services from other providers.

## For more information:

[PortlandGeneral.com/EnergyMonitoring](http://PortlandGeneral.com/EnergyMonitoring)

Portland: 503-228-6322 Salem: 503-399-7717

Outside Portland/Salem: 800-822-1077

