



PSE Profile in Whatcom County (2008):

Customers: 92,600

Employees and contractors: 72

Power load: 300 megawatts (MW), average;
500 MW, peak

Power-delivery facilities:

- 1,113 miles of overhead neighborhood power-distribution lines
- 688 miles of underground neighborhood power-distribution lines
- 238 miles of high-voltage transmission lines
- 28 distribution substations
- 11 transmission and switching stations

Power-generating facilities:

- Sumas Generating Station
- Encogen Generating Station
- Whitehorn Generating Station

Taxes paid:

- Electric taxes: more than \$7.3 million
- Property taxes: more than \$2.9 million
- Sales taxes: more than \$58,000

Electric-system investments:

Adding to and upgrading our existing infrastructure, including:

- Rebuilt our Sehome substation (completed spring 2008)
- Rebuilding our LaBounty substation (2008 completion)
- Installing one mile of new high-voltage transmission line (2008 completion)
- Upgrading (increasing the capacity) 49 miles of high-voltage transmission line (2008 completion)
- Constructing new substations:
 - » Laurel (2008 completion)
 - » Berthusen (2009 completion)
 - » Semiahmoo (2009 completion)
- Upgrading 19.5 miles of high-voltage transmission line (2009 and 2011 completion)



Cows at the Vander Haak dairy digester in Lynden



Sumas Generating Station

Energy education:

- Komo Kulshan Outdoor School, located at PSE's Upper Baker hydro facility
- Partnering with the Northwest Clean Air Agency to train Whatcom County teachers in the "Cool School Challenge" – a program that aims to motivate students, teachers, and school districts to reduce carbon dioxide and other greenhouse gas emissions
- Powerful Choices for the Environment
 - » Acme
Acme Elementary
Mt. Baker Academy
 - » Lynden
Lynden Christian
Lynden Middle School
 - » Bellingham
Kulshan Middle School
Shuksan Middle School
Whatcom Day Academy

Community involvement:

- Funding contributions to 145 community organizations, including Whatcom Community College, Western Washington University Foundation, Whatcom Land Trust, American Red Cross, YMCA, Nooksak Salmon Enhancement Association, Arthritis Foundation, United Way of Whatcom County, and the Boys & Girls Club
- Providing low income and bill payment assistance
 - » PSE's HELP (Home Energy Lifeline Program): more than \$621,000 in 2007-08
 - » The Salvation Army Warm Home Fund: more than \$65,000 in 2007-08

Energy efficiency / renewable-energy programs:

- 46 renewable energy systems have been connected to PSE's grid in Whatcom County, representing 137,283 kilowatts (kW) of electric generation capacity, not including the Lynden digester at the Vander Haak Farm - which, has a capacity of 285 kW
- The City of Bellingham and Whatcom County purchase enough green power to cover 100 percent of their electric loads, making Bellingham one of the top green power city in the nation
 - » PSE has 2,795 residential green power customers in Whatcom County, as well as 394 commercial green power customers
 - » PSE's Green Power Program provided a second \$20,000 grant to the City of Bellingham for a solar project being installed at the Depot Market Square
- During the past four years, commercial and industrial customers in Whatcom County have saved more than 31.6 million kilowatt hours (kWh) of electricity, enough to power about 2,718 homes
- During the past four years, thanks to their participation in PSE's residential energy efficiency programs, excluding the CFL bulb program (a major component of total savings), Whatcom County residents have saved almost 1.7 million kWh of electricity, or enough energy to power about 145 homes, preventing more than 2.8 million pounds of CO2 from being released into the environment
- Partnered with Alpha Energy, Grace Borsari, Fred Kaiser and the Bonneville Environmental Foundation on a 2 kW solar project for Western Washington University
- Partnered with the City of Bellingham on the Pre-rinse Sprayhead Program, which has had energy savings of 570,000 kWh, 165,000 therms of natural gas, and 18.6 million gallons of water in 2006 and 2007



Solar panels at Western Washington University