



# ENERGY UPDATE

An update to the state of energy in the State of Oregon  
August 2005



## General Updates

**Weather – according to NOAA**, “...Expected above normal temperatures in the Pacific Northwest...there are very few reliable trends in precipitation evident.”

[http://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/fxus05.html](http://www.cpc.ncep.noaa.gov/products/predictions/long_range/fxus05.html)

## DAS Buildings Savings Update

The data is always two months behind due to billing cycles. All bills are compared to the calendar year 2000 as a baseline. The goal and OAR requirement is a 10% reduction in electricity and natural gas usage. The data is not adjusted for weather or any other factors. Electricity is reported in kilowatt-hours (kWh) and gas in therms; the % column is combined electric and gas savings in Btu’s compared to the year 2000 usage; and the cost is combined electric and gas. This list does not include all DAS-owned or operated buildings. Detailed graphs are available upon request. *Data is year-to-date.*

January–June 2005 data are as follows:

	Billed Electricity	Billed Gas	Billed Cost	% change
• Agriculture:	455,920	8,361	\$ 43,788	-42%
• Albina:	124,821	4,004	20,377	-42%
• Archives:	598,900	20,004	60,771	-25%
• Blind Comm:	146,780	4,137	16,526	-20%
• Burns+:	220,800	---	14,959	+10%
• Central Pt:	251,000	11,550	25,835	-2%
• Employ:	2,517,935	---	162,943	-2%
• Executive:	416,120	7,038	40,209	-21%
• Gen Svcs:	300,160	5,975	30,596	-35%
• GS Annex*:	21,781	1,429	3,442	+45%
• Hum Svcs:	1,832,652	26,556	152,774	-25%
• Justice:	852,369	9,837	73,060	-25%
• L&I:	1,366,523	19,256	113,370	-28%
• Library:	256,351	6,767	24,615	+3%
• NMOB^:	665,100	11,358	61,178	N/A
• NPSOB:	195,440	8,230	20,380	-27%
• OPSOB:	116,480	1,321	8,855	-15%
• Port SOB:	1,394,400	11,050	83,127	-25%
• Port MP:	107,850	2,666	11,414	-47%
• Print Plant:	796,600	5,918	63,042	-17%
• Prop Dist:	156,584	7,378	17,365	-35%
• Pub Svc:	1,177,255	3,603	84,023	-11%
• Pub Utility:	721,200	1,202	54,624	-16%
• Real Estate:	87,420	6,054	13,474	-8%
• Revenue:	3,755,283	39,837	270,614	-16%
• Salem MP:	223,882	7,702	24,633	-20%

**TOTAL DAS: 18,759,606 231,233 \$1,495,994 -18%**

Note: DAS is investigating factors for buildings not meeting 10% goal.

+New baseline being developed, equipment load changed.

^Bldg opened 9/03; no baseline developed yet.

\* High % due to gas usage problem, repaired in June 05.

## Lunch Time...

Discourage the use of disposable packaging, such as pre-packaged foods, plastic bags, juice boxes and pouches, paper napkins, and disposable utensils. Consider a waste-free lunch by favoring the use of reusable food and drink containers, utensils and cloth napkins. Pack lunches in lunch pails or canvas bags instead of throwaway paper bags.



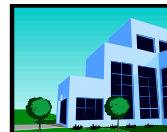
## Did You Know...

West Salem High School has a 2.8-kW utility interactive solar electric system. It converts solar radiation from the sun into energy that is fed back into the electrical grid. It produces approximately 2,800 kilowatt hours of AC energy per year and includes package that uses web-based, real-time data generated by the installation to help teachers instruct students on the benefits of renewable energy. <http://www.b-e-f.org/renewables/west>



## In the News...

Washington State Gov. Christine Gregoire signed the High Performance Green Buildings bill into law on April 8 2005, making Washington the first state to require that new public buildings meet “green building” standards of energy efficiency, water conservation and other environmental standards.



U.S. Green Building Council standards include such things as using recycled materials, ensuring better ventilation in buildings and reducing water and energy use.

“One of my hopes is that by showing the way, we will encourage everybody from mall developers to home-builders to use the same green building techniques that schools and other government buildings will be using,” Gregoire said.

Under the new law, all major public agency facilities exceeding 5,000 square feet, including school buildings receiving state funding, would be required to meet the green building council’s Leadership in Energy and Environmental Design (LEED) standards.

<http://www.governor.wa.gov/news/news-view.asp?pressRelease=52&newsType=1>

## August is National Water Quality Month

- 99% of the world’s water is salty, polluted or otherwise undrinkable, leaving only 1% for humans to use.
- Reducing shower time by 5 minutes can save 22 gallons of water per shower.
- Americans households use approximately 500 gallons of water per day - 150 gallons are used before breakfast.