



ENERGY UPDATE

An update to the state of energy in the State of Oregon
May 2004



General Updates

- Weather – the National Weather Service is predicting average temperatures and precipitation over the Pacific Northwest through May and early June.
- Rates – electric rates appear to be stable for now, but natural gas rates could be fluctuating as we get closer to the heating season. Talk to your account rep for more details.

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 now year-to-date, rather than monthly.*

January–March 2004 data are as follows:

| | Electricity | Gas | % | Cost |
|-------------------|-------------------|----------------|-------------|------------------|
| • Agriculture: | 249,120 | 9,971 | -16% | \$ 26,116 |
| • Albina: | 117,155 | 7,591 | -18% | 14,332 |
| • Archives: | 305,500 | 14,493 | -12% | 31,088 |
| • Blind Comm: | 75,540 | 3,497 | -17% | 8,876 |
| • Burns: | 108,520 | --- | +8% | 7,337 |
| • Central Pt: | 123,560 | 7,050 | -12% | 12,724 |
| • Employ: | 343,784 | --- | -17% | 75,134 |
| • Executive: | 219,600 | 5,480 | -9% | 20,365 |
| • Gen Svcs: | 156,560 | 5,519 | -30% | 16,645 |
| • GS Annex: | 6,620 | 729 | -5% | 1,236 |
| • Hum Svcs: | 813,237 | 4,528 | -27% | 70,874 |
| • Justice: | 289,850 | 9,142 | -19% | 29,152 |
| • L&I: | 679,650 | 18,075 | -19% | 61,281 |
| • Library*: | 136,905 | 6,000 | -20% | 14,708 |
| • NMOB^: | 339,300 | 11,288 | N/A | 33,057 |
| • NPSOB: | 58,880 | 1,111 | -20% | 4,599 |
| • OPSOB: | 107,280 | 8,201 | -11% | 13,390 |
| • Port SOB: | 819,600 | 7,843 | -26% | 49,328 |
| • Port MP: | 77,281 | 2,414 | -40% | 7,634 |
| • Print Plant: | 439,900 | 4,981 | -8% | 33,902 |
| • Prop Dist: | 76,892 | 11,364 | -9% | 14,802 |
| • Pub Svc: | 556,955 | 2,517 | -4% | 39,798 |
| • Pub Utility: | 319,800 | 790 | -23% | 23,804 |
| • Real Estate: | 41,640 | 4,257 | -6% | 6,997 |
| • Revenue#: | 2,089,887 | 23,927 | -3% | 139,569 |
| • Salem MP: | 124,438 | 6,283 | -8% | 14,068 |
| TOTAL DAS: | 11,088,858 | 227,481 | -13% | \$905,829 |

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

* Baseline adjusted.

^ Usage is from 9/03 when bldg opened; no baseline developed yet.

Also, usage is irregular due to building start-up.

Usage estimated due to delayed billing.

Time of Year

It's that time of year again! The time where we can save big bucks on our heating and cooling with our tenants' help. Since May is so mild, we don't often have to get the chillers or boilers operating yet. By turning off your plug loads (computers, monitors, etc.), operating blinds properly, and keeping the internal heat load down, we can keep the chillers from needing to come on. Of course, if we have a really hot day, we'll keep everyone comfortable, but on a "tweener" day, your help could save us money.



TIP OF THE MONTH:

Turn off the lights in conference rooms and break rooms when no one is present. These are rooms that don't need to be lit if no one is using them. We all go in and out of those rooms on a regular basis and the little action of flipping off the light switch could save lots of energy. Just give it some thought next time you leave an empty room.

Did you know...

...in 1999, using ENERGY STAR products helped businesses and consumers save more than \$5 billion in energy costs while reducing green house gas emissions equivalent to those of 10 million cars.

http://208.254.22.6/ia/business/tools_resources/finalfactsht3-20-02_2.pdf

Fluorescent Lights 101

Fluorescents are the most common lamp used in DAS buildings. Here's more info:

- The size of the lamp is referred to in "T"-scale, based on 1/8 of an inch in diameter. Therefore, a T-8 is 8/8 of an inch, or 1 inch in diameter. T-12 means it's 12/8" or 1 1/4". The smaller the T-scale, the more efficient the lamp and more modern the technology.
- The most common fluorescent lamp DAS uses is the T-8, eco bulb. This is a very standard size and more efficient tube. It lasts longer than other lamps and doesn't contain as much mercury.
- While DAS has some buildings that still contain T-12 lamps, DAS has tried to convert these into more efficient technology if project funds are available.
- DAS has recently started installing the new, and very efficient, T-5 High Output lamps in some buildings. These are very efficient and last a long time. Usually these are used in an indirect application, where the light shines up to the ceiling and reflects down, since they are so bright.
- All three of the lamps listed above require special, separate ballasts made for fluorescent lamps in order to operate.
- DAS uses compact fluorescents where possible. These use the same technology as a tube, but can screw into the same socket as a regular light bulb and don't need a separate ballast.

