



SPECIAL ALERT:

DAS custodial service moves to daylight hours

DAS plans to improve the visibility of government's custodial workers. Moving custodial crews to dayshifts will give you the opportunity to interact with the previously unseen workforce that puts the "shine" on state buildings, while saving energy and operating costs. The transition period begins in July with five buildings each week. DAS will work closely with each building's facility manager to support a smooth transition.

FEDERAL STIMULUS UPDATE

While the Oregon legislature races to balance the budget, many state agencies hope to fill some of the gaps in funding through federal stimulus grants.

Governor Kulongoski created The Oregon Way Advisory Group to enable the state to compete more effectively for this money. The group will identify signature projects across the state to showcase Oregon's green expertise to the nation and help create long-term jobs as others look to Oregon to tap this knowledge base. The group meets regularly to review concepts for signature projects, and encourages any state agency to submit projects for consideration.



In addition, the Oregon Department of Energy (ODOE) will receive \$42 million to distribute among public entities over the next three years. However, they received over \$2 billion in project ideas. Now, they must review all the submissions to find the ones that have the highest viability, return-on-investment, and benefit for less populated areas of the state. ODOE plans to have preliminary project funding announcements by September.

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SUSTAINABILITY PROGRAM NEWS

- **Resource Conservation Policy:** DAS released an updated policy to focus on resource conservation in the buildings on May 1st. It includes a new layout, increased language around operation of building systems and recycling, and clarification of tenant responsibilities. However, over the month of June, DAS realized that increased resource conservation in the buildings could save jobs. This prompted the decision to release another version on July 1st that will include innovative measures, such as plans to limit lighting operation at night and increase the frequency of night audits in the buildings.
- **New releases:** The DAS Sustainability Program plans to release two new documents on July 1st:
 - The updated Sustainability Plan includes new action items for the next six months and a revamped look.
 - The biennial report includes grades for effort and results to meet the Governor's goals.
- **Event display:** The DAS Sustainability Program and Director's Office completed a new display. The table-top display includes information about the Governor's sustainability direction, buildings, procurement, fleet, information technology, community, and statewide coordination. We designed the display to be self-explanatory so that it could travel to events without a staff person assigned to the table. If you have an event that would be a good fit for the display, please contact Elin Shepard at (503) 373-7132.
- **Suggestion boxes:** Over the summer, new suggestion boxes will pop up in DAS buildings and on-line. Please use these boxes to submit ideas or concerns for DAS sustainability publications or activities.
- **Field trips:** DAS plans to launch quarterly field trips over the summer. The trips will go to sustainable businesses and community resources in Salem and Portland. The website will release the schedule and permission information on July 1st.



DAS Sustainability Intern, Jessica Balsam, staffs the new display at the SAIF Green Fair in May

BUILDING SAVINGS UPDATE



DAS compares all bills to the calendar year 2000 as a baseline. The goal and OAR require a 20% reduction in electricity and natural gas usage by 2015. DAS does not adjust the buildings without baseline adjustments for weather or any other factors. The Billed Electricity column reports in kilowatt-hours (kWh) and Billed Gas in therms. The % change column represents the combined electric and gas savings in Btu's compared to the year 2000 usage. The Billed Cost column includes the totals for electric and gas – not all utilities. The individual buildings listed do not include all DAS-owned buildings, but the TOTAL DAS line does represent the total DAS spend for electricity and natural gas.

January–March 2009 data are as follows:

	Billed Electricity	Billed Gas	Billed Cost	% change
• Agriculture:	254,924	9,402	\$ 34,334	-12%
• Albina:	128,833	3,702	14,192	-38%
• Archives:	252,004	12,175	36,160	-24%
• Blind Comm:	85,086	6,831	17,067	+41%
• Central Pt:	124,367	7,500	18,700	-42%
• Commerce:	41,153	3,488	11,601	-49%
• Data Ctr.:	1,602,042	4,140	131,529	N/A
• Employ:	692,256	---	57,669	N/A
• Executive:	205,911	5,144	26,042	-10%
• Gen Svcs:	153,739	5,671	22,234	-22%
• GS Annex:	10,377	380	1,523	-16%
• Hum Svcs:	943,264	19,023	99,950	-18%
• L&I:	724,731	20,161	84,347	-26%
• Library:	115,437	6,964	18,432	N/A
• NMOB:	306,668	7,970	37,548	N/A
• NPSOB:	103,906	5,278	13,982	-30%
• OPSOB:	59,045	458	4,846	-30%
• Port Cr Lab:	402,305	13,060	49,365	N/A
• Port SOB:	820,339	11,504	72,774	-13%
• Port MP:	51,858	2,493	8,276	-44%
• Print Plant:	291,000	3,542	38,921	-35%
• Prop Dist:	78,405	1,898	16,712	-4%
• Pub Svc:	591,392	2,180	49,720	-35%
• Pub Utility:	358,048	857	32,771	-13%
• Real Estate:	30,507	3,658	9,004	-15%
• Revenue:	1,124,761	19,126	112,095	N/A
• Salem MP:	122,206	6,356	19,403	-3%
TOTAL DAS:	11,650,011	280,358	\$1,350,361	-14%



The North Mall Office Building at sunset. Photo courtesy of Department of Housing and Community Services.

DAS Buildings saved 16% in 2008.

Note: DAS investigates buildings that do not meet the 20% reduction goal.

N/A = baseline adjustments in progress.

ENERGY AUDITS AT HOME

A DAS employee's story

Sharon Beck from the Human Resource Services Division contacted the Energy Trust of Oregon (ETO) for their free home energy audit service. She wrote about the experience. Stay tuned for a report on her progress and results in an upcoming Waste Watcher.

A representative from the ETO, named Mike, came to my house in April. Mike asked questions about the house. As my house was built in 1977, Mike shared that only 20% of homes built before 1980 have appropriate insulation levels. Mike asked to see my Pacific Power electric bills and could see right away I had an energy "issue." My electricity spiked significantly in December and January. He thought the heating and air-conditioning system could be the cause, and I've already had a professional make adjustments that are supposed to save us at least \$150/month.

The ETO does not conduct a physical assessment of your house. They ask questions and act as a resource to make your home more energy efficient. Mike gave me a pamphlet full of information about the ETO cash incentives for energy conservation projects. These projects include:

- improve insulation
- test for air leakage,
- seal ducts and windows,
- replace heat pump, gas furnace, water sealing, windows, heat pump, gas furnace, water heater,
- install solar panels or solar water heating system,
- and other energy efficient improvements.

He surprised me when he shared the top three areas of energy loss in a home are: 1) floors, walls and ceilings (31%); 2) ducts (15%); 3) fireplace (14%). I always thought the number 1 energy loss was windows...but it is actually number four on the list. Mike left me a "Trade Ally List - Salem (Region 4) Weatherization," which compiles the contractors for weatherization projects who work with the documentation required by ETO to qualify for the rebates. Mike also gave me many compact fluorescent light bulbs, two low-flow shower heads and sink aerators.

We have an appointment with a house performance assessment contractor to start our improvements. The contractor will perform many tests, including a Blower Door to identify air infiltration and leakage throughout our home. He will recommend the appropriate balance of air sealing, ventilation and insulation improvements for greater efficiency, comfort and safety. Once we make improvements, the contractor will re-test to confirm air leakage reduction. We will be reimbursed \$50 of the cost of the assessment through the ETO. There are also federal and state tax incentives for home energy improvements that we expect to use.

GO TO MEETINGS

As part of the Office of Economic Analysis' process to forecast the budget, we meet twice each quarter with the Governor's Council of Economic Advisors. This group consists of economists from all corners of the state and very busy schedules. In an effort to both increase attendance and reduce costs, we now conduct our first meeting each quarter using a web-based meeting service called GoToMeeting (<http://www.gotomeeting.com>).



The service allows each person to view presentation materials (e.g., PowerPoint presentations, Excel files, etc.) on their own desktop with the meeting leader who controls the mouse. Each meeting attendee can comment or ask questions through a phone or their computer. A chat room exists to type questions or comments if an attendee does not want to interrupt the presenter.

We met some minor resistance and skepticism initially, but worked through those concerns. We now consider it a success. We accomplish the same quality of work as before and keep 5-10 cars off the road. The subscription costs \$39 per month, which equates to the cost of the parking passes we provided for meetings in Salem. The subscription allows us to have an unlimited number of meetings with up to fifteen people. While still relatively new, we continue to look for opportunities to take advantage of the service.

*Submitted by: Josh Harwood, Senior Economist
DAS Office of Economic Analysis and member of the
Executive Building Green Team*

TIP OF THE MONTH

Here are some tips for sustainable gardens:

#1 Surround your plants with sawdust to stop slugs and snails from munching the plants in your garden.

#2 Use a squirt of mild, soapy water to kill aphids on roses and other plants. It provides a non-toxic alternative.

#3 Place a barrel under a downspout to catch rainwater for use on your garden and houseplants.

#4 Consider solar-powered water pumps instead of electrical ones for water features in yards. It saves money on utilities and qualifies for incentives.



#5 Birds and butterflies are more efficient than people at killing insects. Install a bird feeder and plant a butterfly bush to encourage them to visit your yard.

THE POWER OF OUR ACTIONS

- Part 2

DAS received an annual statement from Portland General Electric about how our actions to purchase green power make an impact on the environment and community.

Currently, DAS purchases a modest amount of green power for the Governor's Residence. The amount purchased totals less than one percent of the DAS total. However, even this small amount is making a big difference. In 2008, DAS purchased enough green power to offset 244,672 pounds of carbon dioxide. That is the equivalent of:

- 271,944 vehicle miles not driven, or
- 14,688 trees planted annually.

RENEWABLE ENERGY PROJECTS

Governor Kulongoski encourages state agencies to maximize their use of renewable power for state operations. The newsletter will feature stories on different renewable projects. This month, we'll focus on wind projects.



*DAS Sustainability
Coordinator, Elin Shepard, at
PGE's Biglow Wind Farm*

Wind turbines present challenges for renewable projects. They are harder to site due to issues with airport flight paths and bird migratory patterns. However, they are not impossible, and many state agencies accept the challenge. State Lands, DAS and Corrections have found successful pilot project locations on their land and near their buildings. Wind projects pay back faster than solar and offer very high incentives through the Department of Energy and Energy Trust – up to 80% of the project cost. Wind projects show much promise for state agency applications.

ODOT BICYCLING AND WALKING MAP TO CAPITOL MALL

The Oregon Department of Transportation (ODOT) completed a map of bicycling and walking routes. The routes start in various neighborhoods of the city of Salem, and end at the Capitol Mall. The maps showcase the ease and flexibility of bicycling or walking to work.

Link to map:

<http://sustainability.oregon.gov/DAS/FAC/SUST/docs/SalemDownTownMap6.pdf>

PUBLIC SECTOR SUSTAINABILITY PROGRAMS

Sustainability programs exist throughout Oregon – in business and in government. We find them at all levels – city, county, state, and federal.

The City of Salem

In February, a group of the region's leaders in sustainable design and development met with representatives from SANYO Commercial Solutions. The group discussed ways to identify opportunities, to collaborate, and to further sustainability initiatives in Salem.



Salem Conference Center

The meeting also offered an opportunity for the development community to highlight the many "green" projects planned or underway, including those which have received national recognition (Pringle Creek Community). The Energy Trust of Oregon, Oregon Department of Energy, and others identified possible financial incentives to assist with project development. SANYO introduced several products to incorporate into projects, including:

- solar powered charging stations for the enloop bike and electric vehicles,
- energy efficient heating and air-conditioning systems, including for retrofit in existing buildings,
- educational programs and demonstration projects.

Following the meeting, SANYO gifted the city and state with enloop hybrid electric bicycles, not yet available in retail outlets. The bikes will promote cycling as a mode of alternative transportation.

The Urban Development Department at the city generated a meeting summary and action items. They will provide more information in the next management report. For questions about the meeting or copies of the summary, please contact Annie Gorski at the contact information below.

Submitted by: Annie Gorski, City of Salem, (503) 588-6178
Email: AGorski@cityofsalem.net

DID YOU KNOW?

Alternative transportation facts:

#1: One bus replaces about 40 cars. Every time a bus is full of passengers, that could mean 40 fewer cars on the road. That reduces about nine tons of air pollution each year.



Soleil

#2: Every mile you walk may add 20 minutes to your life. In addition, every mile you walk with a dog adds minutes to their lives as well. A walk is the greenest form of transportation, since every trip by car, bus or train adds to air pollution.

RESOURCES

DAS Sustainability Program website:

<http://sustainability.oregon.gov>

- DAS Sustainability Plan: http://sustainability.oregon.gov/DAS/FAC/SUST/docs/DAS_Sustainability_Plan.pdf
- DAS Sustainability Program Reports (includes new, biennial progress report): http://sustainability.oregon.gov/DAS/FAC/SUST/sust_plan_rep.shtml
- Greenhouse gas emissions inventory for state of Oregon internal operations: http://governor.oregon.gov/Gov/2007_Legislative_Session/Correspondence/DAS_GHG_report.pdf
- Oregon Sustainability Board: http://sustainability.oregon.gov/DAS/FAC/SUSTOR/osb_main.shtml

In addition, Governor Kulongoski established some of the most aggressive sustainability requirements in the country. Below is a summary of the key drivers in state government.

- 20% energy reduction goal by 2015 and SEED guidelines http://arcweb.sos.state.or.us/rules/OARs_300/OAR_330/330_130.html
- DAS policy 125-6-010: Sustainable Facilities Standards <http://www.oregon.gov/DAS/FAC/docs/1256010.pdf> (policy revision planned for late 2009)
- DAS policy 107-011-010: Resource Conservation <http://www.oregon.gov/DAS/OP/docs/policy/state/107-011-010.pdf>
- DAS policy 107-011-030: Holiday Decorations & Lights <http://www.oregon.gov/DAS/OP/docs/policy/state/107-011-130.pdf>
- DAS policy 107-011-140: Sustainable Procurement and Internal Operations <http://www.oregon.gov/DAS/OP/docs/policy/107-011-140.pdf>
- DAS E-waste policy 107-009-0050 <http://www.oregon.gov/DAS/OP/docs/policy/state/107-009-0050.pdf>
- ORS 279A governs procurement of goods, the purchase of paper, recycled materials, etc. <http://landru.leg.state.or.us/ors/279a.html>
- ORS 459A.480 governs state agency recycling programs. <http://landru.leg.state.or.us/ors/459a.html>
- Solar power in public buildings: 1.5% of construction cost http://arcweb.sos.state.or.us/rules/OARs_300/OAR_330/330_135.html

CONTACT

Elin Shepard, Sustainability Coordinator
Phone: 503-373-7132 Email: Elin.D.Shepard@state.or.us

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