

Sustainability Report FY 2007

Washington State Conservation Commission

Primary Point of Contact:

Susie Vanderburg

SusieV@scc.wa.gov

360.407.6274

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These reports are conducted annually for the Fiscal Year (FY) that just ended (the FY runs from July 1st through June 30th) by the various agencies of the State of Washington in fulfillment of Executive Orders 05-01, 04-01, and 02-03.

Green Buildings

Statewide Goals:

- The requirements in E.O. 05-01 regarding green building are superseded by the High Performance Public Building bill (ESSB 5509). ESSB 5509 requires all construction or remodeling projects of any occupied or conditioned space larger than 5,000 square feet to conform to the LEED (Leadership in Energy and Environmental Design) Silver Standard (or equivalent) The legislation applies to remodeling projects costing more than 50% of the assessed value.

Agency Comments:

- WSCC is co-located within the Department of Ecology and relies on them for the most efficient use of the building resources such as space, heating, cooling, and lighting requirements.

Buildings (Remodeled or New Construction)

Year (FY)	2003	2004	2005	2006	2007
Conventional Buildings					
LEED Silver					
LEED Gold or Higher					
Total LEED Certified					
Total					
Units	<input type="checkbox"/> # of buildings <input type="checkbox"/> ft ²				

Space

Agency Comments:

- WSCC is co-located within the Department of Ecology and relies on them for the most efficient use of the building resources such as space, heating, cooling, and lighting requirements.

Total Space Use

Year (FY)	2003	2004	2005	2006	2007
Office Space					
Non-Office Space					
Total					
Units	<input type="checkbox"/> feet ² <input type="checkbox"/> meters ² <input type="checkbox"/> miles ² <input type="checkbox"/> kilometers ²				

Transportation

Statewide Goals:

- Reduce petroleum consumption by 20% from FY 2003 levels by FY 2009
- Use minimum 5% biodiesel for agency vehicles using diesel, and replace standard diesel with a 20% biodiesel blend by 2009.
- Replace pre-1996 light duty vehicles (those under 8,500 pounds gross vehicle weight) that are driven more than 2,000 miles a year by January 2008.)
- Give priority to fuel efficient / low emissions vehicles
- Freeze Four Wheel Drive (4WD) purchases (exempting those with fuel economy greater than 30 mpg or those purchased for law enforcement or emergency response purposes). All others must be approved by agency director.
- Request fuel efficient, low emission vehicles for employees from commercial vendors.
- For all agencies with a fleet of 100 or more light duty vehicles (vehicles with a gross vehicle weight of less than 8,500 pounds), submit a Fleet Management Plan. For agencies with less than 100 light duty vehicles, consider transferring vehicles to or contract with GA.
- Optional: Increase Employee Participation in Commute Trip Reduction (CTR) Programs

Agency Goals:

- Purchase hybrid vehicles when needed.
- Encourage flex schedules for eligible employees.
- Participate in CTR program.
- Coordinate activities to provide carpooling opportunities.
- Hold conference calls instead of in-person meetings.
- Continue use of electronic communication.

Agency Actions and Programs:

(# of agency employees = 20)

Progress to Date:

- Requested two additional hybrid vehicles for new staff. (Purchased in 2008 fiscal year)
- 3 staff members work in a home office fulltime.
- Several employees carpool; one employee uses the bus; and one employee rides her bike occasionally.
- Almost all events around the state are attended via carpooling by employees and partner agencies.
- Electronic communication is used in lieu of face-to-face meetings whenever possible. Approximately 80% of the staff meetings are held by conference calls, and all special meetings are held by telephone.

Barriers and Challenges:

- Due to the limitations of staff available, it is difficult to spend the necessary amount of time to track and document.
- The ultimate decision on receiving a hybrid replacement vehicle is made by the Motor Pool. We will continue to request hybrids and other low emission/fuel efficient vehicles.
- Commissioners and staff must have the ability to have 'face-to-face' meetings which may or may not increase miles driven to meet the statutory mandates.

- WSCC no longer is part of the CTR state employee “incentive program.” Ecology decided we could not participate with that agency. The majority of employees continue to commute via SOV due to lack of incentive and/or lack of fast, direct bus service.

Success Factors:

- Although we are a small agency, we have a fleet management plan in place.
- Global Positioning Systems are in each of the vehicles which help reduce driving.

Total Gasoline (non-diesel)

Year (FY)	2003	2004	2005	2006	2007
Ethanol					
Petroleum				1833	1,958 gal
Total				1833	1,958 gal
Units	X <input type="checkbox"/> gallons <input type="checkbox"/> liters <input type="checkbox"/> \$				

Diesel Fuel

Year (FY)	2003	2004	2005	2006	2007
Ultra Low Sulfur (Highway)					
Off-Road					
Biodiesel					
Total					
Units	<input type="checkbox"/> gallons <input type="checkbox"/> liters <input type="checkbox"/> \$				

Miles Driven

Year (FY)	2003	2004	2005	2006	2007
Personally Owned Vehicles				26,182	25,000
Agency Owned Vehicles				57,862	64,760
Motor Pool Managed Vehicles					
Total				84,044	89,760
Units	X <input type="checkbox"/> miles <input type="checkbox"/> kilometers				

Agency Owned Fuel Efficiency

Year (FY)	2003	2004	2005	2006	2007
Fuel Efficiency					33 mpg
Units	Miles per gallon (MPG)				

Agency Owned Fleet Size

Year (FY)	2003	2004	2005	2006	2007
Amount					5 leased from motor pool
Units	# of Vehicles				

Pre-1996 Vehicles Remaining

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	# of vehicles				

Vehicles Purchased

Year (FY)	2003	2004	2005	2006	2007
Conventional					
> 30 MPG					
4WD (note exception purchases)					
Total					
Units	# of vehicles purchased				

Paper

Statewide Goals:

- Purchase office paper with a minimum of 30% post consumer recycled content by Sept. 1, 2005. Include all white 8.5x11 paper. Provide justification for all purchases of virgin paper. If you have made changes in other paper purchases, please describe at right.
- Reduce use of office paper by 30% by Sept. 1, 2009, based on FY 2003 plans
- Increase the percentage of environmentally preferable paper (EPP) purchased to at least 50% by Sept. 1, 2006. (EPP is defined as 100% recycled content paper with a minimum of 50% post consumer waste.)
- Recycle 100% of used office paper
- Increase use of post consumer recycled janitorial paper products.
- Agency Goals:
- Purchase equipment with duplexing capabilities.
- Engage in the environmentally preferable purchasing through Central Stores
- Continue recycling program set in place by Ecology.

Agency Actions and Programs:

- The agency paper products are purchased by the Department of Ecology. They purchase 100% chlorine free recycled paper.
- Reduced use of office paper by duplexing and electronic communication
- Increased the % of EPP purchased
- Recycle 100% of used office paper

Success Factors:

- Use of the state purchasing pool to purchase papers and supplies.
- Using the State Printer for printing of publications, brochures, etc.
- Use of Department of Ecology's purchasing service to help reduce costs.

Paper Purchased (8.5 x 11)

Year (FY)	2003	2004	2005	2006	2007
Virgin					
30 -40% recycled				25reams	23 reams
100% recycled / EPP				155reams	90 reams
Total				150 reams	113 reams
Units	<input type="checkbox"/> sheets <input checked="" type="checkbox"/> reams <input type="checkbox"/> cases <input type="checkbox"/> tons				

Paper Used (other than 8.5 x 11)

Year (FY)	2003	2004	2005	2006	2007
Virgin					
30-40%recycled					
100% recycled / EPP					
Total					
Units	<input type="checkbox"/> sheets <input type="checkbox"/> reams <input type="checkbox"/> cases <input type="checkbox"/> tons				

Amount of Office Paper Recycled

Year (FY)	2003	2004	2005	2006	2007
Amount				100%	100%
Units	<input type="checkbox"/> pounds <input type="checkbox"/> kilograms <input type="checkbox"/> tons				

Comments: Ecology handles our recycled paper.

Janitorial Paper (Service provided by Ecology)

Year (FY)	2003	2004	2005	2006	2007
Non-recycled					
Containing recycled content					
Total					
Units	<input type="checkbox"/> cases <input type="checkbox"/> tons <input type="checkbox"/> Other				

Comments: Ecology manages this.

Energy (Service provided by Ecology)

Statewide Goals:

- Reduce energy purchases by 10% from FY 2003 by September 1st, 2009

Total Electricity

Year (FY)	2003	2004	2005	2006	2007
Conventionally Purchased					
Green Electricity					
Self-Generated (ex: backup)					
Total					
Units	<input type="checkbox"/> kWh <input type="checkbox"/> BTU <input type="checkbox"/> \$				

Note: for self-generated or on-site electricity, please note what source it is coming from, for example diesel generators or solar panels.

Natural Gas (Service provided by Ecology)

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> therms <input type="checkbox"/> BTU <input type="checkbox"/> \$				

Fuel Oil and Propane (Service provided by Ecology)

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> therms <input type="checkbox"/> BTU <input type="checkbox"/> \$				

Water Use (Service provided by Ecology)

Statewide Goals:

No statewide goals, but EO 02-03 calls for minimizing water use

Water Used

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> gallons <input type="checkbox"/> ICCF (hundreds of cubic feet)				

Waste and Recycling (Service provided by Ecology)

Statewide Goals:

- No statewide goals, but EO 02-03 calls for reducing or eliminating waste resulting from an inefficient or improper use of resources

Waste Disposed

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> pounds	<input type="checkbox"/> kilograms	<input type="checkbox"/> tons		

Compost Collected/Composted

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> pounds	<input type="checkbox"/> kilograms	<input type="checkbox"/> tons		

Non-Paper Material Recycled

Year (FY)	2003	2004	2005	2006	2007
Amount					
Units	<input type="checkbox"/> pounds	<input type="checkbox"/> kilograms	<input type="checkbox"/> tons		

Education and Outreach

Statewide Goals:

- Take steps to educate employees or clients about sustainable practices

Agency Goals:

- Determine the most effective way to engage Commission, staff, and conservation districts in sustainable practices.
- Inform the public of Commission and districts' conservation projects and efforts.
- Inform landowners of their opportunity to receive assistance from conservation districts. for conservation projects that reduce runoff, reduce non-point pollution, conserve water and soil, and enhance habitat.
- Assist districts and private property owners with sustainable practices by providing grant programs.

Progress to Date:

- Sustainability articles in WSCC Newsletter. (See additional notes.)
- Regional Managers encourage districts to practice sustainability.
- WSCC's Annual Report describes the agency and district' efforts in conservation and sustainability.
www.scc.wa.gov/index.php?option=com_content&task=view&id=124&Itemid=332
- Press releases and WSCC website highlight conservation stories and contact information.
- Over \$10,000,000 in grants dispensed for conservation projects on private land in the state.

Additional Notes – Education and Outreach

Sustainability articles from 2006-07 Commission Newsletters:

Agricultural Plastics Recycling Opportunities

Whatcom Conservation District recently distributed helpful information to landowners on the importance of and the opportunities for agricultural plastics recycling. Local farmers have been working with RE Sources, aiming to educate and assist farmers in seven NW Washington counties by introducing recycling and waste reduction. Plastic film (silage bags, crop covers), rigid plastics (buckets, PVC pipe), and pesticide containers are now being collected and recycled. If you know a Northwest business or farm that might be interested in this new initiative, please have them contact Lisa Friend at recycle@re-sources.org.

In other areas across the state, NW Ag Plastics collects clean, used pesticide containers. Northwest Ag Plastics has not yet posted its 2007 plastic pesticide container collection schedule yet, but it should appear soon at www.nwagplastics.com.



WATER SAVING TIPS FOR AROUND THE HOME

Visit www.wateruseitwisely.com/ for numerous tips and resources on water conservation. The site has over 100 tips including:

#16 If your shower fills a one-gallon bucket in less than 20 seconds, replace the shower-head with a water-efficient model.

#28 Put food coloring in your toilet tank; if it seeps into the toilet bowl without flushing, you have a leak which could be wasting up to 1,000 gallons of water a month.

#81 If your toilet was installed before 1992, reduce the amount of water used for each flush by inserting a displacement device in the tank.

For the average home, landscape watering and toilets use the largest amount of water!



**Typical Household Water Use
(Indoor)**

After "Residential End Uses of Water," by permission.
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Surplus Equipment Available to Districts



Conservation districts are priority organizations when it comes to purchasing surplus items from the State of Washington. As a priority organization, conservation districts can shop at the General Administration retail store, request wanted items online, buy vehicles before they are auctioned to the general public, and attend special sales events for priority organizations only.

Visit <http://www.ga.wa.gov/Surplus/priority.htm> for more information.

From time-to-time the Conservation Commission may have excess equipment. This equipment may still be in good working order and could be utilized by conservation districts. The Conservation Commission may authorize the sale of this equipment to a specific conservation district. A district would first need to become an approved purchaser through General Administration. The Conservation

Commission cannot give surplus equipment away to conservation districts, but we can sell it for a price set by the Commission. Districts should contact their Regional Managers if interested in purchasing surplus equipment from the Commission.

Sustainability Tips: More Ideas for saving energy

Vehicles:

- Accelerate slowly and avoid quick stops; gas mileage will be improved by 33% on highways and by 5% around town.
- Stick to the speed limit; for every 5 mph we go over 60, our gas mileage decreases by 7 - 23%.
- Keep tires inflated to their proper levels.
- Limit idling to one minute or less.



Computers:

- Turn off computers at night. During the day, sleep mode will reduce electricity use by 90%.
- Laptops use 1/4 the energy that desktop computers use.
- Flat screens use 1/3 the energy that standard monitors use.