

Sustainability Report FY 2007

WA School for the Deaf

Primary Point of Contact:
Charles McCarthy
chuck.mccarthy@wsd.wa.gov
360-48-0412

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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- The requirements in E.O. 05-01 regarding green building are superseded by the High Performance Public Building bill (ESSB 5509).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 Goals:

- That all projects that meet the criteria of ESSB 5509 will meet LEED Silver Standard

Agency Actions and Programs:

- The agency is incorporating these requirements in all projects

Progress to Date:

- The agency will be constructing a new building in the 2007-09 Biennium and is requiring that these standards be met in the building

Barriers and Challenges:

- Funding for Capital projects has been a problem in the past. The major challenge to meeting these requirements will be designing a building that uses these standards and links the needs of our deaf and hard of hearing students.

Buildings (Remodeled or New Construction)

Year (FY)	2003	2004	2005	2006	2007
Conventional Buildings	None	None	None	None	None
LEED Silver					
LEED Gold or Higher					
Total LEED Certified					
Total	N/A	N/A	N/A	N/A	N/A
Units	<input type="checkbox"/> # of buildings <input type="checkbox"/> ft2				

Comments: WSD will begin construction of a new building in this next biennium and it will be LEED Certified

Space

Statewide Goals:

- No listed statewide goals

Agency Actions and Programs:

- Developed a Master plan which will use less space

Progress to Date:

- Demolished one building

Barriers and Challenges:

- Capital Budget funding

Success Factors:

- Demolished one building

Documented Savings:

- 1,271 sq ft

Total Space Use

Year (FY)	2003	2004	2005	2006	2007
Office Space	36,737	36,737	36,737	36,737	35,466
Non-Office Space	122,211	122,211	122,211	122,211	122,211
Total	158,948	158,948	158,948	158,948	157,679
Units	<input checked="" type="checkbox"/> feet ² <input type="checkbox"/> meters ² <input type="checkbox"/> miles ² <input type="checkbox"/> kilometers ²				

Comments: The number represents the usable space, non-office space includes educational classrooms

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 Actions and Programs:

- WSD has Surplused pre-1996 vehicles and established a fleet management program that ensures the efficient use of our vehicles

Progress to Date:

- There has been little progress to date because of programmatic changes in the agency mission.

Barriers and Challenges:

- WSD outreach staff is going out into the state more often now and we will not see a decrease of miles driven. Outreach staff is carpooling when feasible for these trips. An additional challenge is the availability of Bio-diesel for use in our buses in our area.

Success Factors:

- WSD has purchase hybrid vehicles, which has increase the aggregate fuel efficiency. As we replace older cars, they will all be hybrids.

Total Gasoline (non-diesel)

Year (FY)	2003	2004	2005	2006	2007
Ethanol					
Petroleum	4,685	4,387	5,076	5,498	4603
Total	4,685	4,387	5,076	5,498	4603
Units	<input checked="" type="checkbox"/> gallons <input type="checkbox"/> liters <input type="checkbox"/> \$				

Diesel Fuel

Year (FY)	2003	2004	2005	2006	2007
Ultra Low Sulfur (Highway)	252	231	1040	955	460
Off-Road					
Biodiesel					
Total	252	231	1040	955	460
Units	<input checked="" type="checkbox"/> gallons <input type="checkbox"/> liters <input type="checkbox"/> \$				

Miles Driven

Year (FY)	2003	2004	2005	2006	2007
Personally Owned Vehicles	12,707	28,711	28,510	34,161	34,146
Agency Owned Vehicles	105,281	126,851	155,915	165,661	150,860
Motor Pool Managed Vehicles					
Total	117,988	155,562	184,065	199,822	185,006
Units	<input checked="" type="checkbox"/> miles <input type="checkbox"/> kilometers				

Agency Owned Fuel Efficiency

Year (FY)	2003	2004	2005	2006	2007
Fuel Efficiency	22.47	28.92	30.72	30.13	32.77
Units	Miles per gallon (MPG)				

Agency Owned Fleet Size

Year (FY)	2003	2004	2005	2006	2007
Amount	17	17	17	17	17
Units	# of Vehicles				

Pre-1996 Vehicles Remaining

Year (FY)	2003	2004	2005	2006	2007
Amount	2	2	2	0	0
Units	# of vehicles				

Vehicles Purchased

Year (FY)	2003	2004	2005	2006	2007
Conventional	1			2	
> 30 MPG			4		
4WD (note exception purchases)					
Total	1	0	4	2	0
Units	# of vehicles purchased				

Additional Notes - Transportation

Has your agency implemented Commute Trip Reduction Programs? What is the level of employee involvement?

- The agency does not have a program

If your agency has a fleet of 100 or more light duty vehicles (vehicles with a gross vehicle weight of less than 8,500 pounds), has it submitted a Fleet management Plan? For agencies with less than 100 light duty vehicles, has it considered transferring vehicles or contracting them to the GA?

- We have 17 vehicles and have no need to transfer them because of the distance and we do have a fleet management program that manages the fleet.

Does your agency have contracts or agreements in place with vendors (specifically rental car vendors) to request fuel efficient, low emissions vehicles?

- We follow all state contracts.

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.
- 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 Actions and Programs:

- WSD reviews all paper purchases to ensure recycled content. We only purchase virgin paper for special purposes. We have established an agency wide recycling program with bins in all offices, classrooms and in the cottages.

Progress to Date:

- We no longer publish items off campus and are starting to show a reduction in paper used

Barriers and Challenges:

- We are a school and as such, there is a high demand for paper in the classrooms

Success Factors:

- Our recycling program and the program we have for the safe disposal of batteries.

Documented Savings:

- The amount of waste has gone down as a result of the recycling program

Paper Purchased (8.5 x 11)

Year (FY)	2003	2004	2005	2006	2007
Virgin	115	25	3	19	4
30 -40% recycled	837	890	1279	1452	747
100% recycled / EPP					422
Total	952	915	1282	1471	1173
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	7				
30-40%recycled	55	21	24	24	25
100% recycled / EPP					
Total	62	21	24	24	25

Amount of Office Paper Recycled

Year (FY)	2003	2004	2005	2006	2007
Amount	12	15.5	17	8.8	164
Units	<input type="checkbox"/> pounds <input type="checkbox"/> kilograms <input checked="" type="checkbox"/> tons				

Comments: Measured in cubic yards as reported by Waste Management for FY 2007

Janitorial Paper

Year (FY)	2003	2004	2005	2006	2007
Non-recycled					
Containing recycled content	166	156	192	187	174
Total	166	156	192	187	174
Units	<input checked="" type="checkbox"/> cases <input type="checkbox"/> tons <input type="checkbox"/> Other				

Additional Notes

What steps is your agency taking to decrease paper usage or increase the proportion of recycled paper used?

- We have made all the departments aware of the issue and are asking them to choose 100% recycled content paper

Energy

Statewide Goals:

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

Agency Actions and Programs:

- The agency has requested capital funding as part of a Master Plan for the reconstruction of the campus

Progress to Date:

- A new building, which will meet LEED silver and reduce energy needs was funded, phase one of our energy project was completed and phase two was funded.

Barriers and Challenges:

- Continued funding for new buildings

Success Factors:

- Phase one of the energy project was completed. This project will replace the old central high-pressure boiler plant with modern efficient boilers throughout the campus

Total Electricity

Year (FY)	2003	2004	2005	2006	2007
Conventionally Purchased	1,305,360	1,375,420	1,340,720	1,132,140	1,445,360
Green Electricity					
Self-Generated (ex: backup)					
Total	1,305,360	1,375,420	1,340,720	1,132,140	1,445,360
Units	<input checked="" 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

Year (FY)	2003	2004	2005	2006	2007
Amount	161,117	N/A	N/A	164,097	151,250
Units	<input checked="" type="checkbox"/> therms <input type="checkbox"/> BTU <input type="checkbox"/> \$				

Fuel Oil and Propane

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

Comments: The Agency does not use these products

Water Use

Statewide Goals:

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

Agency Goals:

- Reduce water usage on campus

Agency Actions and Programs:

- Repaired leaks and installed irrigation where possible to control the amount of water used

Barriers and Challenges:

- Old facility in need of constant repair

Success Factors:

- Conservation planning

Documented Savings:

- We have reduced our water usage

Water Used

Year (FY)	2003	2004	2005	2006	2007
Amount	8178	4204	5983	4155	4,550
Units	<input type="checkbox"/> gallons <input checked="" type="checkbox"/> ICCF (hundreds of cubic feet)				

Waste and Recycling

Statewide Goals:

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

Agency Goals:

WSD has not established a goal

Agency Actions and Programs:

The data is not available, as we have not tracked this

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		

Toxics Reduction

Statewide Goals:

- Adopt measures to reduce use of equipment, supplies and other products that contain persistent, toxic chemicals.

Agency Goals:

- To increase the usage of environmentally friendly products

Agency Actions and Programs:

- Review all contracts and supply requests to ensure that we are buying green products

Progress to Date:

- We have eliminated the use of toxic chemicals in the janitorial department and in the kitchen.

Barriers and Challenges:

- The greatest challenge is the lack of a clear definition of what “green” means in relationship to products for use by the janitorial department and for general cleaning.

Success Factors:

- When all toxic chemicals are eliminated

Education and Outreach

Statewide Goals:

- Take steps to educate employees or clients about sustainable practices

Agency Goals:

- To educate staff and students on sustainability issues

Agency Actions and Programs:

- Developed a waste composting program for kitchen scraps

Progress to Date:

- Recycled 3,200 gals of food waste/food soiled paper

Success Factors:

- Waste Management presented WSDS with the idea of composting our recyclable materials some staff was hesitant to start but the students were eager to try the new system and the student helpers monitored the other students to make sure they learned the new program correctly. Within a very short time, the students learned the process of recycling into the proper containers and policed each other. The staff that started out reluctantly soon adapted to the method of sorting items and did so without complaint. By the end of the year the program was running smoothly and everyone felt a sense of pride in doing their share to help the environment and in a small but important way the world in which we all live.

Documented Savings:

- 3,200 gals of waste taken from the waste stream