

Sustainable Development At WSU



What it is, isn't just green

- Sustainable development is a pattern of resource use, that aims to meet our needs while preserving our resources so that these needs can be met not only in the present, but also for generations to come
- Sustainability consists of three primary components: environmental sustainability, economic sustainability and sociopolitical sustainability.



Palouse Falls,
May 15, 1950

Palouse
Falls
May
2010



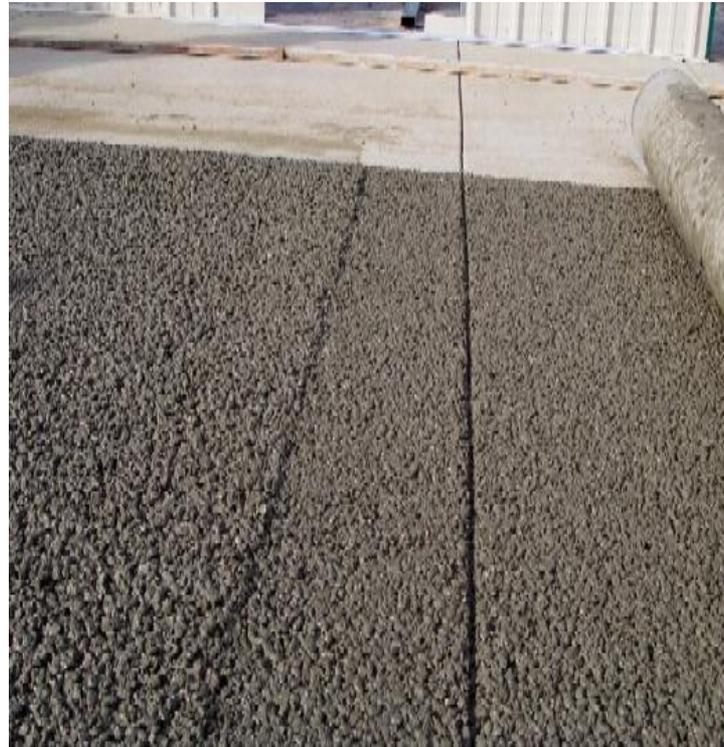
Rain Gardens



Olympia Avenue Student Housing Roof Collection Storm Water Cistern for Irrigation



Pervious Pavements





Organic De-sugared Molasses De-Icer

It costs about 50% more, But goes twice as far, reduces total chloride by 70%, lasts longer, doesn't track into buildings as badly, but when it does it cleans up easier.



Fiscal Year	Waste Tons	Recycle Tons
2006	159	50
2007	430	157
2008	400	262
2009	834	87
2010	382	67
Total	2205	623

Over 20,000 tons of concrete collected from demolition sites have been stockpiled for future recycling with an avoided cost of disposal estimated at over \$500,000



Energy Conservation

- Accomplishments to Date
- Completed projects totaling \$41.7 million in value, primarily lighting, chilled water, and HVAC upgrades
- Annual Energy Savings: 15 million kWh electricity (\$945k); 60 million lbs steam (\$374k); 5,384 therms natural gas (\$2.7k)
- Carbon Inventory/Footprint in 2009 it was calculated the ESPC projects had reduced the footprint by approx. 10,130 metric tons of CO₂ equivalents – about an 8% reduction at that point in time.

Compton Union Building Leed Silver



LEED Silver Certified Olympia Avenue Student Housing



LEED Gold Undergraduate Classroom Facility, WSU Vancouver



WSU Vancouver earns Salmon Safe Certification, Aug 2010

First southwest Washington urban site to attain this
certification



Audubon International Endorses Palouse Ridge Golf Club's Environmental, Wildlife Practices

Palouse Ridge Golf Club at Washington State University has achieved designation as a "Certified Audubon Cooperative Sanctuary" through the Audubon Cooperative Sanctuary Program for Golf Courses, an Audubon International program.

"Palouse Ridge Golf Club has shown a strong commitment to its environmental program. They are to be commended for their efforts to provide a sanctuary for wildlife on the golf course property," said Joellen Lampman, Audubon Cooperative Sanctuary Programs director.

To reach certification, a course must demonstrate that they are maintaining a high degree of environmental quality in a number of areas. These categories include environmental planning, wildlife and habitat management, outreach and education, chemical use reduction and safety, water conservation, and water quality management.

"Palouse Ridge is much more than a golf course" said Mel Taylor, executive director of Real Estate and External Affairs for WSU. "The primary mission for this 18-hole championship course is academic, teaching and research, and now to top it off, we are a Certified Audubon Cooperative Sanctuary. We are grateful for Todd Lupkes and management firm CourseCo Inc.'s, admirable efforts in obtaining this status."

WSU SMART FARM

(<http://www.idexstudio.org/smartfarm/>)



<http://www.wsu.edu/>

<http://sustainability.wsu.edu/>

<http://www.cpd.wsu.edu/>

