

A Campus Moving Towards Sustainability

Washington State University Campus Sustainability Initiative



WSU Sustainability Initiative – Executive Policy #24

WSU seeks to provide an exemplary teaching, research, and outreach environment that fosters the conservation of natural resources, supports and enhances social responsibility, address community and economic development, and follows environmental, social and economic practices.



Campus Initiatives

Facilities Operations/Capital Planning and Development

Co- mingled Recycling Program

- A co-mingled recycling collection process campus wide. With co-mingled recycling, sorting materials is not needed; people are able to throw many widely accepted materials into one bin.
- Materials are collected at all campus buildings, transported to the recycle facility on campus and made into large compact bales. Bales then get shipped to larger facilities that have the equipment and technology to sort through the bales and separate materials as needed.

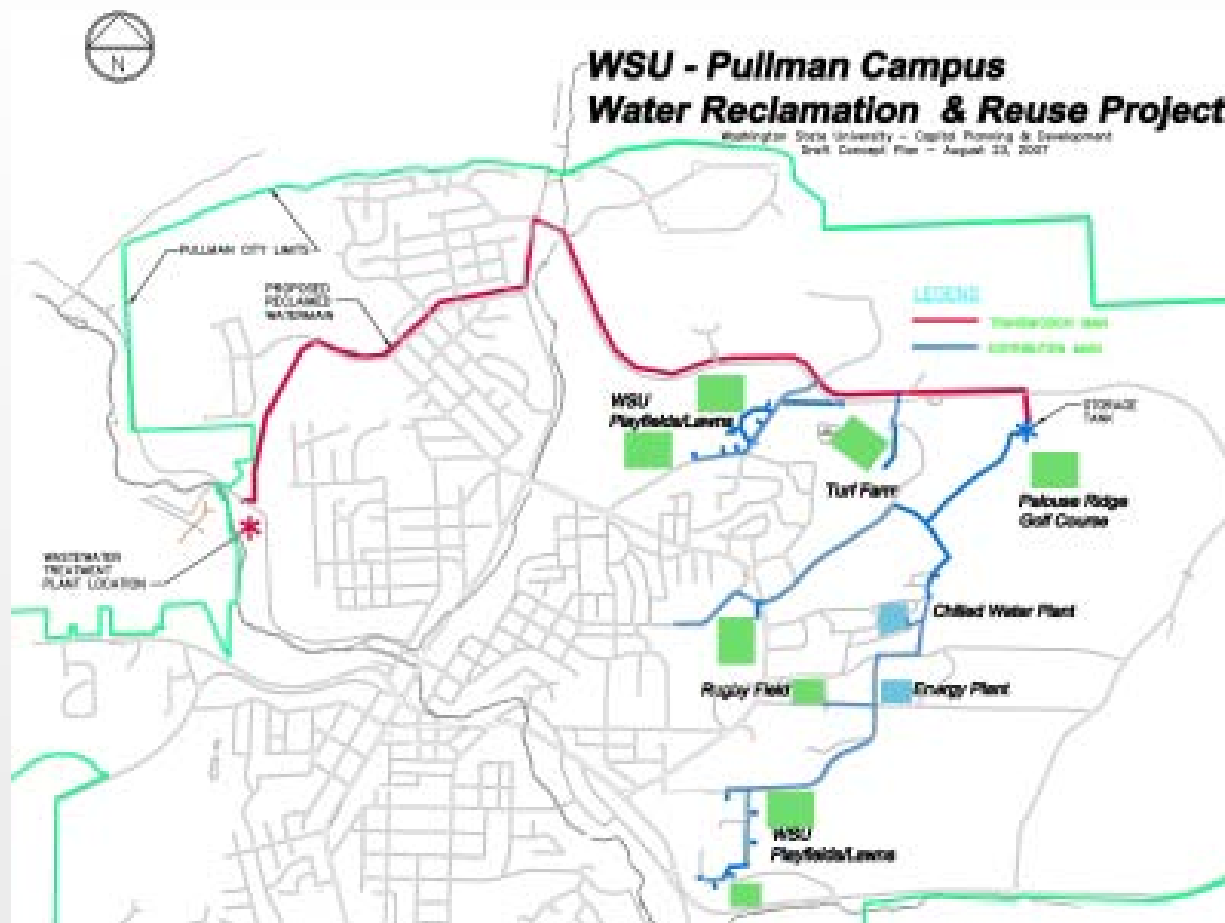
Construction Waste Removal

- WSU Waste Removal manages the removal of recyclable and non-recyclable materials for university construction projects. This service is available to university departments and private contractors working on WSU projects on the Pullman campus.

Compost Facility

- The WSU Compost Facility manages the Universities organic waste stream in an efficient, effective and safe manner.
- The Compost Facility began operations in October 1994. The facility was the first university based compost facility to process all campus generated organic waste. Approximately 25,000 cubic yards are composted annually on 4 acres of asphalt surface. Research has been conducted at the facility to determine how feed stocks affect quality and effectiveness of inoculants and additives.

Water Reclamation and Reuse Project



Water Reclamation and Reuse Project

- Will provide up to 1.3 million gallons per day of treated effluent for seasonal irrigation of WSU recreational areas, parks, and ag lands. The project will also provide water suitable for campus industrial uses such as the Energy Plant.
- The project will reduce reliance on water pumped directly from the aquifer for WSU consumption.

WSU Energy Plant Upgrade

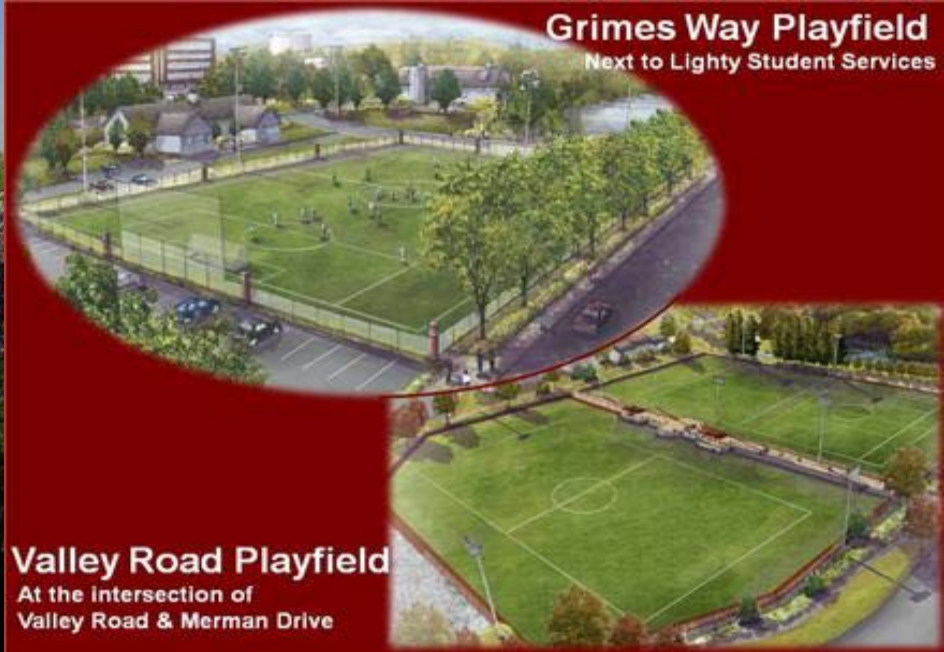
- In 2005 WSU brought a new steam plant on line to provide power to the entire campus.
- New plant uses natural gas and diesel as opposed to coal which has significantly reduced emissions.
- WSU upgraded steam/cold water distribution system throughout campus which increased efficiency in system.

Major Capital Projects

- WSU promotes innovative, sustainable design and construction principles that improves safety, functionality and energy efficiency.
- Several innovative “green” strategies include natural day lighting, sun shading devices to minimize heat load, water efficient landscaping, use of recycled materials and certified wood where possible and many other strategies.
- Gaining a LEED certification for new construction is a campus priority.

Other Projects

- Energy Services Performance Contracting Projects
 - Since 2001, WSU has been partnering with an energy/resource consultant to evaluate and pursue ESPC projects.
 - These projects use projected cost savings to pay for upgrades and include:
 - Campus-wide lighting upgrades
 - HVAC upgrades
 - Greenhouse lighting and controls upgrades
- Pullman Transit/Ride Share Program
- Updated fleet w/energy efficient vehicles



Grimes Way Playfield
Next to Lighty Student Services

Valley Road Playfield
At the intersection of
Valley Road & Merman Drive

Athletics/Recreation/Turf Management

Palouse Ridge Golf Course



University Recreation Fields



- Approximately 457,000 sq ft of FieldTurf.
- Reduce water consumption by 15m gallons annually.
- Eliminate need for fertilizers and mowing.

Bailey- Brayton Field



- Installed FieldTurf on baseball field(135,000 sq ft.)
- Reduced water consumption by 4.4m gallons
- Eliminated need for fertilizers and mowing

Martin Stadium/Rogers Field



- Installed FieldTurf on FB game and practice fields.
- Reduced water consumption by 4.5m gallons.
- Eliminated need for fertilizer and mowing.

Gameday Recycling Efforts

- WSU Athletics and WSU Housing and Dining partner to provide recycling containers at athletic events to divert recyclables from the waste system.
- WSU Athletics provides recycling containers in all RV lots during football weekends as well as gameday parking lots.
- WSU Athletics partnered with WSU Waste Mgmt. to participate in the Gameday Challenge, a national recycling competition centered around a football game.



WHAT IS WELLBEING?



Wellbeing Programs

- Green Bike Program
- "Move Out & Pitch In" program.
 - Move out & Pitch in is a charitable program that uses volunteer help to run collection sites for students wishing to donate reusable goods during the end of the year move out.
 - Approximately 45 tons of STUFF was diverted from landfills in 2009.
- Environmental Workshops
- Eco-Adventures

WSU Websites to Reference

- www.sustainability.wsu.edu
- www.wellbeing.wsu.edu/environmental.aspx
- www.palouseridge.com/
- www.wsucougars.com