Agenda

• Committee Introductions
• Strategic Planning
• Sustainability Office Update
• ASWC Sustainability Status Update
• Sierra Club and Sustainability Rankings
• 2017-2018 Sustainability Priorities
Strategic Planning: Sustainability

• Innovating the Curriculum:
  – “In the face of environmental upheavals, technological change, and debates over the meaning of community in a globalized world, we reaffirm our commitment to the liberal arts and dedicate ourselves to shaping a dynamic curriculum”

• Celebrating our Location:
  – “In turn, Whitman must further strengthen our commitment to and readiness for this collaboration: building sustainable community relationships, creating a culture that celebrates our location, emphasizing the strengths of our location as we communicate with prospective students and recruit new faculty and staff and protecting our natural environment”

• New Mission Statement & Area committees
Sustainability

- Increasing Access & Affordability
- Enhancing Diversity, equity and Inclusion
- Innovating the Curriculum
- Connecting to Life After Whitman
- Celebrating our Location

Starting to incorporate Resiliency
Office of Sustainability Update

• Lighting Retrofits:
  
  **Baker Faculty Center Retrofit**: 1.5 year payback
  Incandescent to LED and CFL to LED
  
  **Recycling Center**: Incandescent/90w Halogen to LED 1 year payback
  
  **Sheehan Gallery**: Retrofit: 1/3 energy reduction.
  
  **Jewett Hall**: Exterior Metal Halide to LED (TBD)
  
  **Outdoor Campus Standard**: 175w to 60w LED test of retrofit kit. (114 units)
  
• Potential Lighting Retrofits:
  
  **Reid Campus Center**: Pendulum lights and bookstore spots.
  
  Lighting Retrofits:
  
  **Jewett Hall**: Lighting retrofit of all common areas. $40,675 ~ 7 year payback before incentives. Possible SLRF Fund Project.
Building Sub Metering

- Lyman Hall Electrical, Natural Gas, Condensate, and Screen/System: $35,076
- Lyman Hall Steam Meter: $17,251
- Lyman Total: $56,625 with 10% contingency included.

Due to cost the project was placed on hold.
Carbon Offsets for FY2018

Renewable Energy Credits: $34,999.05

• 17,400 kWh of American Wind.
  – 100% electricity offset.
  – Green-E Certified

• 1,251 mtCO2e Choice Carbon Offset.
  – Roughly 30% of Natural Gas
  – Verified Carbon Standard, Climate Action Reserve

*Starting to Price Options for FY2019 including Power Purchase Agreement located near college. Would support energy development Inland Northwest.
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<th>FY 17 eCO₂</th>
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Current Campus Emissions

Greenhouse Gas Emissions

Fiscal Year

2013 2014 2015 2016 2017

Greenhouse Gas Emissions (mtCO2e)

- GHG Emissions
- GHG Offsets/RECS
Emissions Forecasting

**Business as Usual Greenhouse Gas Emissions Reductions**

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<th>Fiscal Year</th>
<th>2013</th>
<th>2015</th>
<th>2017</th>
<th>2019</th>
<th>2021</th>
<th>2023</th>
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- **Business as Usual**
- **Offsets Business as Usual**
Optimal Climate Action Plan Scenario

Optimal Greenhouse Gas Emissions Reductions

- Optimal Emissions Reductions
- Optimal GHG Offsets/RECS

Fiscal Year:
- 2013
- 2015
- 2017
- 2019
- 2021
- 2023
- 2025
- 2027
- 2029
- 2031
- 2033
- 2035
- 2037
- 2039
- 2041
- 2043
- 2045
- 2047
- 2049

Greenhouse Gas Emissions (mtCO2e):
- 0
- 5000
- 10000
- 15000
- 20000
- 25000
- 30000

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Annual Campus Waste Overview

Tons of Waste

Fiscal Year Waste

FY14 | FY15 | FY16 | FY17 (Year to Date)
--- | --- | --- | ---
150.00 | 150.00 | 150.00 | 150.00
100.00 | 100.00 | 100.00 | 100.00
Waste Stream FY17

- Landfill: 52%
- Yardwaste/ Compost: 16%
- Cardboard: 32%
- Plastics & Tin: 1.51%
- Paper: 23%
- Aluminum: 0.11%
- Yardwaste/ Compost: 7%
Living at Whitman Initiative

- Residence Hall projected to be LEED Platinum
- Dinning Hall projected to be LEED Gold
- Low flow water fixtures added, 50% construction waste diversion added, LED Lighting, 116 kW of Solar Panels (currently on campus 20kW) added, regionally sourced materials, and Electronic Vehicle Charging Station (pending).
- Food Pulping: Not Included in Dinning Hall.
Set Point Status

• We have seen upticks in exemption requests when exterior air temperature is <30F and 95F>.
• Close to 70% of the campus is still maintaining within the set point policy.
• There have been 23 exemptions to date. Common space exemptions require an authorization by the Division Head, or Department Head. This change was made due to issues with the original policy and clashing personal preference.
• 3 locations have been exempted through this method. WCTS, Baker Center, and One Classroom.
• Several temporary exemptions have been authorized.
Summer Recycling Retrofit
ASWC Update

• Food Week: Potential Speaker
• ASWC Zero Waste Plan
National Sustainability Ranking
(Sierra Club Cool Schools)

• Whitman College was rated 200 out of 227.
• The institution did not make the top 100 list.
• Heavily Linked to our Association for the Advancement of Sustainability in Higher Education Rating.
• New Divestment points impacted a number of Institutions. (+/- 70 ranking positions)
• Princeton Review ranking likely to be similar
Priorities 2017-2018

• What priorities would the committee like to see in 2017-2018?
• Climate Action Plan:
  – Standardize building efficiency measures
  – LEED Silver rated equivalency on new construction major renovation.
  – Air Travel- Travel Tracking data holes in emissions policy
  – LED Lighting Standard moving forward (Maintenance, Construction, Janitorial, Retrofits)
  – Solid Waste Plan: ASWC Plan- E-waste issues
  – Sub metering
  – Revisit Printing
  – Finalize Idling Policy (Not yet adopted)
  – 100% natural gas offsets by 2020
  – Sustainable Endowment Fund: Use savings to fund new projects and maintain systems.