



WHITMAN COLLEGE

President's Sustainability
Advisory Committee

November 14, 2016

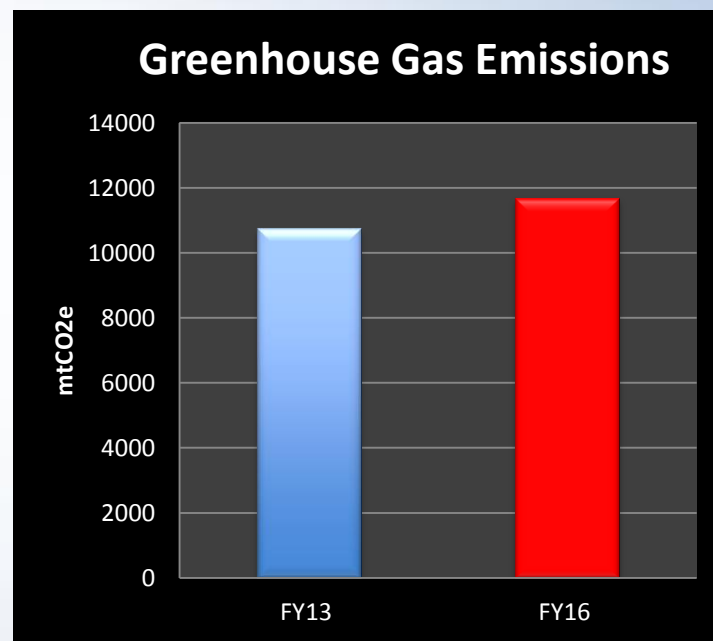
Agenda

- Report on Current Campus Sustainability (Waste Diversion, GHG Prelim Report, Utilities) *5 min*
- Loss of College's sustainability recognition by Sierra Club, Princeton Review, and other ratings. *5 min*
- Discussion of Climate Action Plan moving forward *15 min*
- Report on Living at Whitman Initiative. *5 min*
- Status of Climate Task Force-Thermostat Policy- *Action Item *10 min*
- ASWC Sustainability Report *5 min*
- Report on status of building sub-metering. *2 min*
- Discussion of Goal Setting for coming year. *15 min*
- Sustainability Revolving Loan Fund *2 min*

Report on Current Campus Sustainability- Preliminary GHG Report

Source	FY13 mtCO2e	FY16 mtCO2e
On Campus Stationary	2330	2127.8
Direct Transportation	123.3	111.2
Refrigerants and Chemicals	132	52.1
Agriculture	7.5	388.2
Purchased Electricity	2207	4475.3
Employee Commuting	177.7	188.7
Student Commuting	1.7	1.8
Directly Financed Travel	2207.9	TBD
Study Abroad	865	TBD
Student Travel to/from Home	2237.2	2960.9
Solid Waste	55.1	44.6
Wastewater	8.5	16.4
Paper	19.1	12.9
Transmission and Distribution Losses	387.9	328.6
	10759.9	11692.1

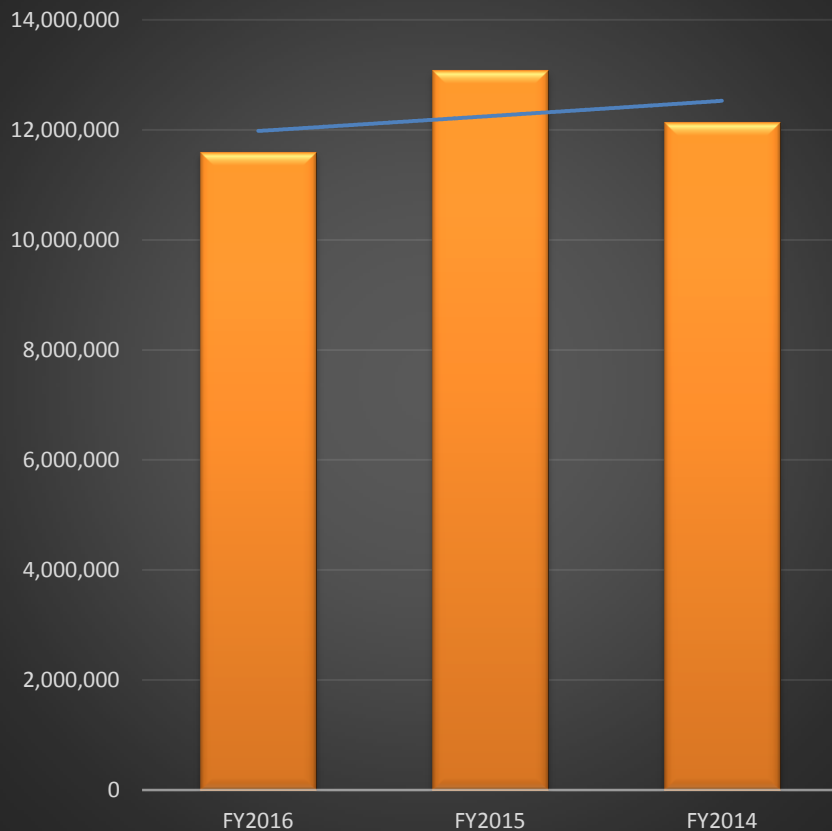
FY13 Purchased Electricity fuel blend calculation likely inaccurate. Projected adjustment for FY13 is 4680mtCO2e. Wastewater calculation conversion error for FY13 likely similar to FY16



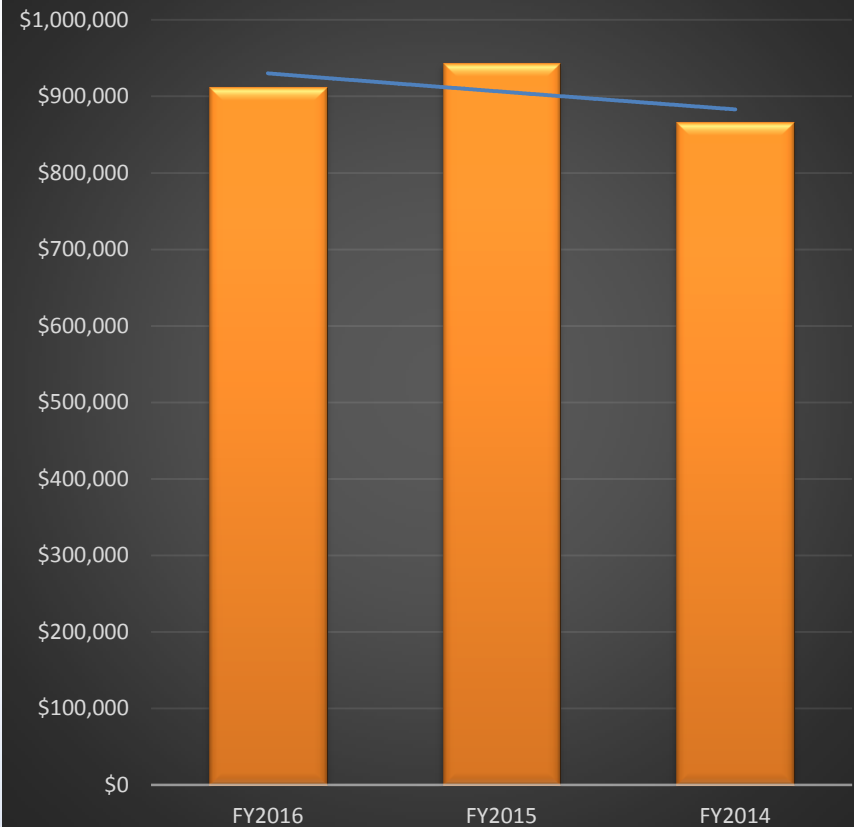
Campus Electricity Data

FY16-FY14

Electricity Use by Year (kWh)

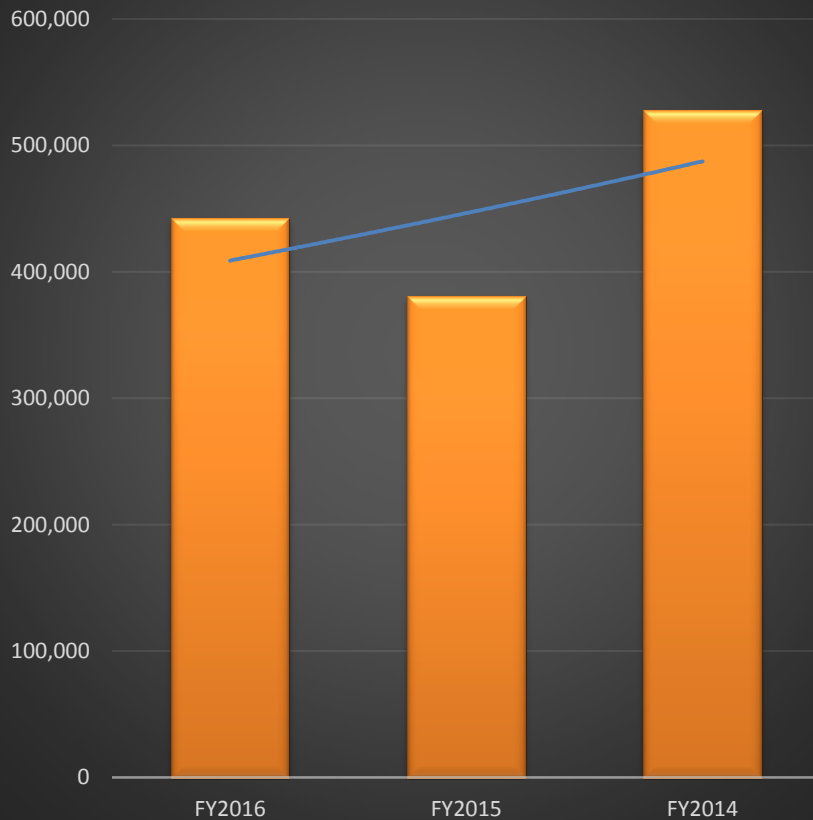


Electricity Cost by Year



Campus Natural Gas Data FY16-FY14

Natural Gas Use by Year (Therms)

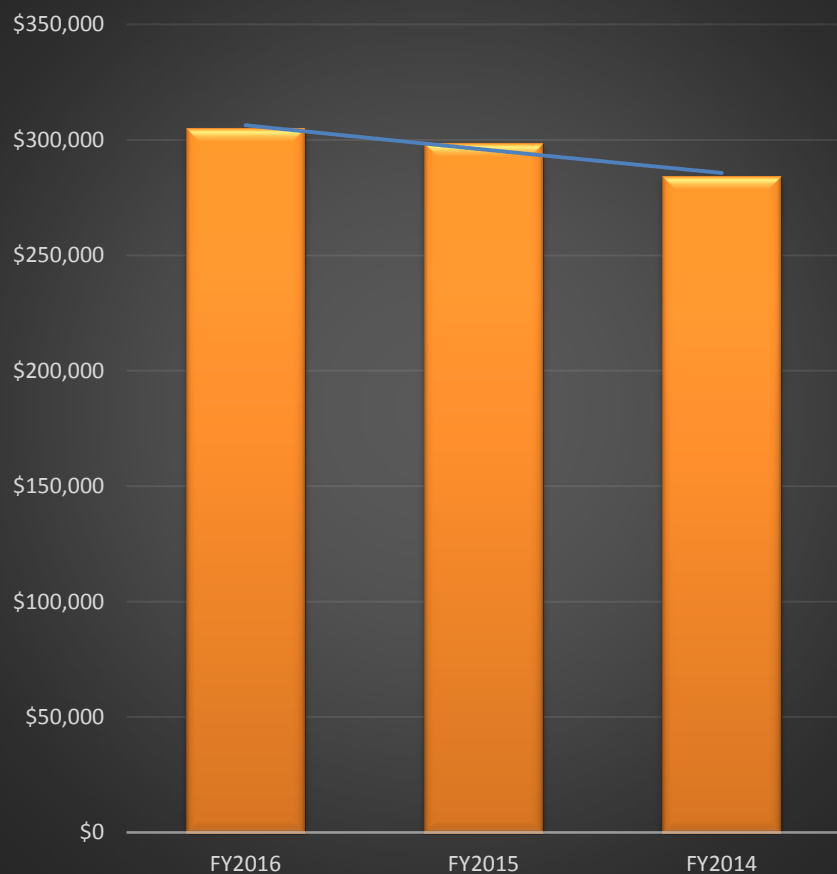


Natural Gas Cost by Year

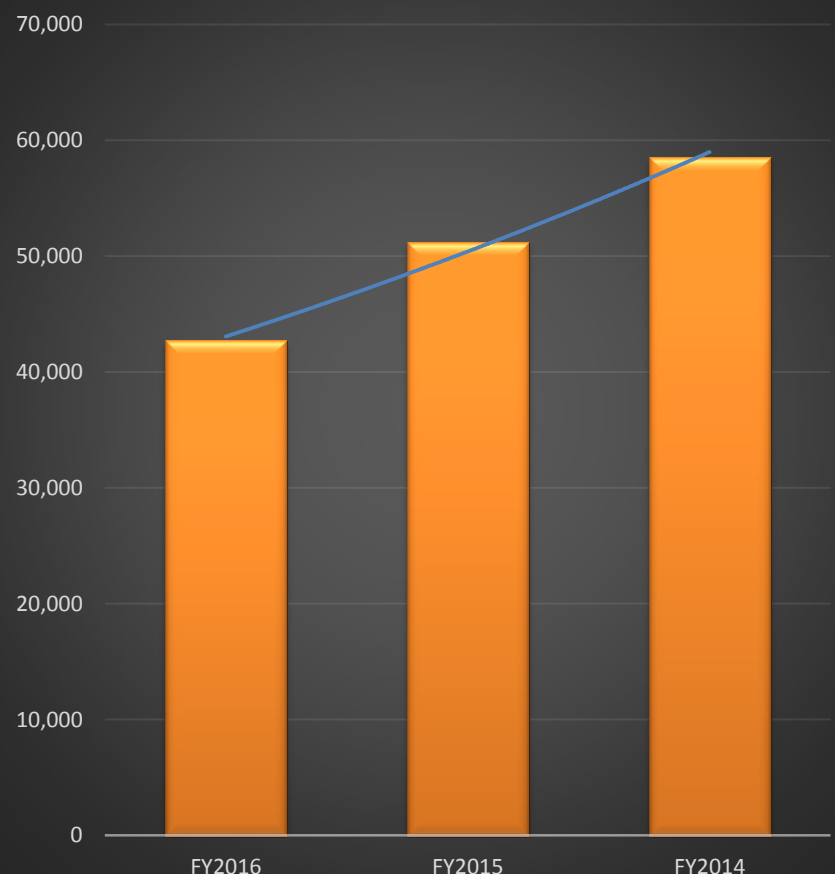


Campus Water Data FY16-FY14 (excluding deep water well irrigation)

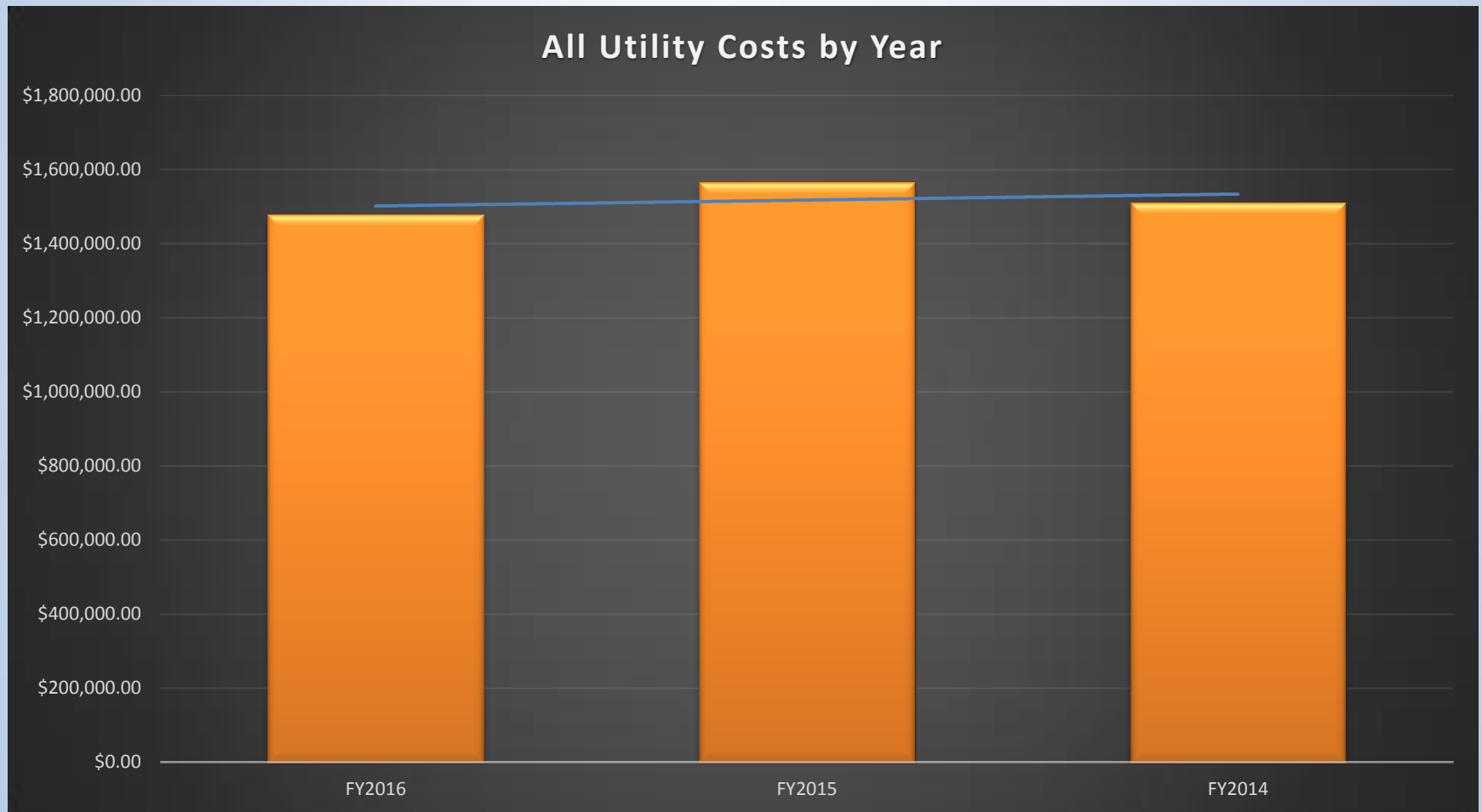
Water Cost by Year



Water Use by Year (CCF)

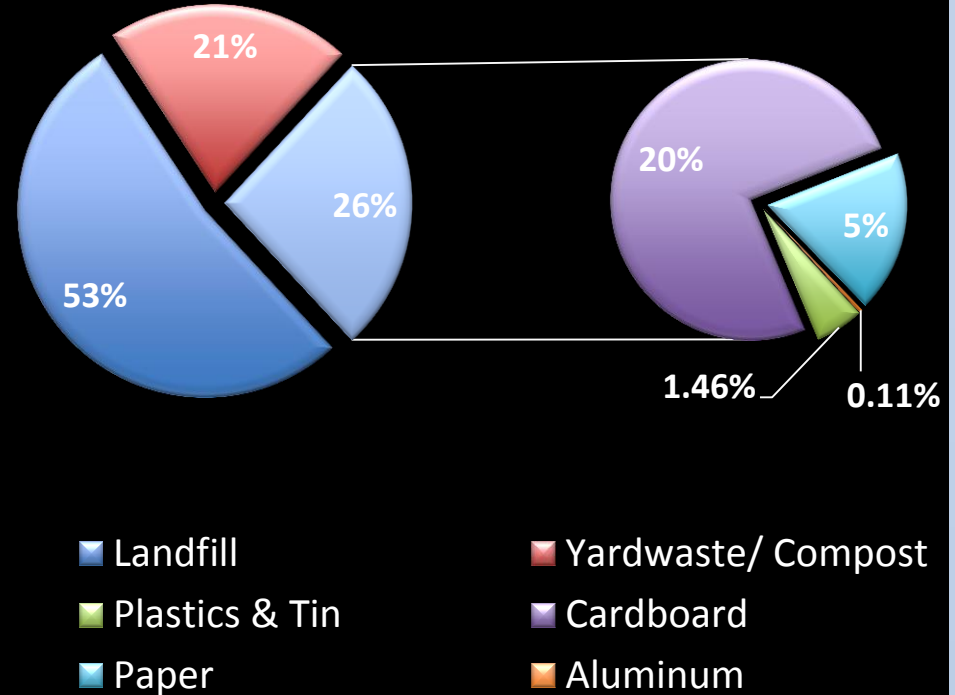
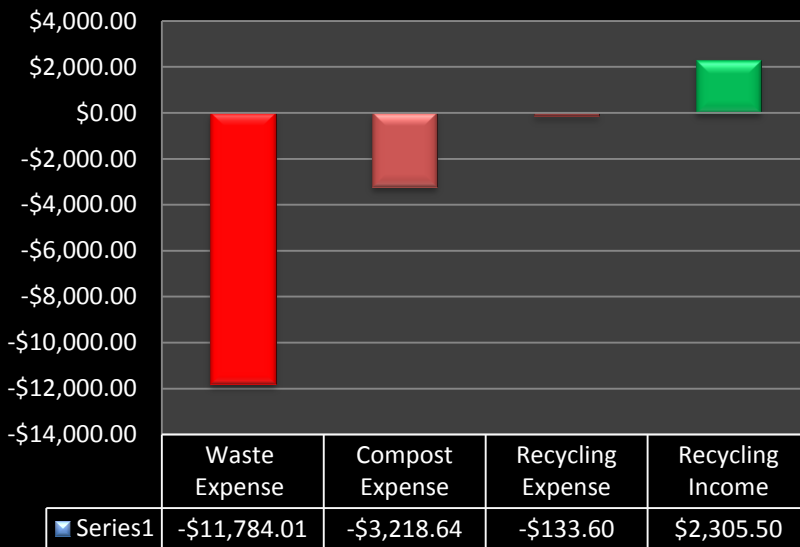


All Utility Costs

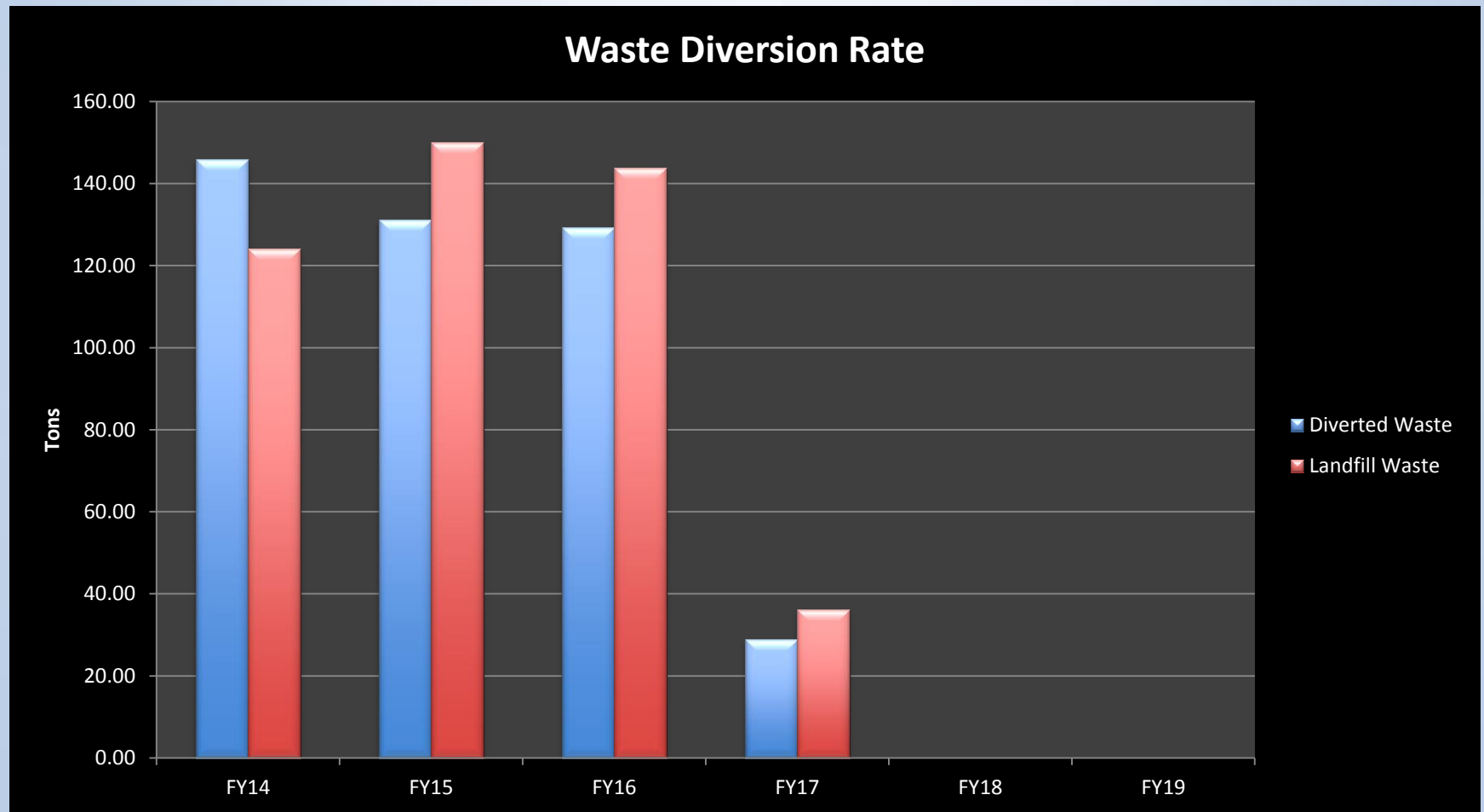


Campus Waste Diversion FY16

Waste Material Cost FY2016



Campus Diversion Trends



Loss of College's Sustainability Ranking

- Reports for the colleges sustainability ratings were not filed by May 2016. Due to this failure to file we have lost our rating by Princeton Review, AASHE STARS, Sierra Club, Best Colleges Green Schools, and the EPA Green Power Partnership.



Living at Whitman Initiative

- The New Dining Hall and Residents Hall will be LEED Certified. LEED is the nation's preeminent program for the design, construction, and operation of high performance green buildings.



Living at Whitman Initiative Continued

- The Dining Hall and Residence Hall will be our first buildings constructed with a photovoltaic system. These systems will add 116kW of solar production offsetting 147,826 kWh of electricity per year.
- These systems will produce roughly 20.62% of the Residence Halls electricity use and 7.06% of the Dining Hall's electricity use
- This will result in an emissions avoidance of 103.8 mtCO₂e per year.
- Based upon modeling these new facilities will increase the annual campus greenhouse gas emissions by 970.5 mtCO₂e per year. Closure of additional dining facilities will avoid some of this increase. (embodied emissions have not been calculated)
- Renewable Energy Credits to offset the remaining electricity use will increase current credit purchasing by a maximum of \$2,767 per year.



Thermostat Policy

- Last year the Climate Task Force authorized the implementation of a thermostat set point policy “The current 70F heating set point will go unchanged. The cooling set point will rise two degrees to 76F... Each one-degree move saves an estimated 1% of the heating or cooling energy.”
- At the time of implementation there was an opt out provision for this policy. Due to the interpretation of the opt out provision and the utilization of individual temperature controls the college has faced several challenges in carrying out implementation of this policy.
- Currently the administration seeks advice on how to move forward with implementation of a uniform building setpoint as recommended by the Climate Task Force.



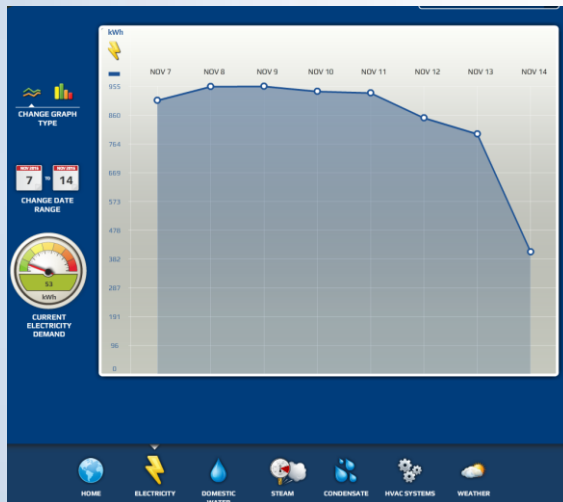
ASWC

- ASWC Sustainability update.



Submetering

- Utility submeters are currently live in Olin and Jewitt Hall. New sustainability website will have interface utility interface.



- A proposal for additional metering is being made for Anderson Hall and Lyman Hall.

Goal Discussion

The mission of the President's Sustainability Advisory Committee is to promote a respect for and commitment to environmental awareness and responsibility within the Whitman College community. This dedicated group of faculty, staff, and students meets monthly to develop a direction for an increased commitment to sustainability campus-wide. The Committee is chaired by the Campus Sustainability Coordinator.

Our purpose is to:

- Undertake a leadership role in representing members of the Whitman College community on sustainability issues
- Promote a lifelong commitment to environmental stewardship among members of the Whitman community through programs of education and awareness
- Support and promote the initiatives of students, staff, and faculty that serve to enhance the College's sustainability
- Develop recommendations to the administration that further the College's long-range environmental goals
- Uphold the environmental principles of the College and advocate for practices aimed at reducing Whitman's impact on the environment



Sustainability Revolving Loan Fund Changes

- Rename the Sustainability Revolving Loan Fund to the Green Action Fund.
- Increase payback period from 5 years to 10 years.
- Create a student led committee with a faculty and staff representative to select projects to be funded. Sustainability Coordinator will act as advisor to student committee.



Requests for Next Meeting

Questions, Comments, Concerns???

