

Environmental Audit of Susquehanna University

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An environmental audit was conducted at Susquehanna University during the summer of 2008. Selected results are summarized on these two pages. The complete audit report can be downloaded from www.susqu.edu/ees.

Energy

Figures 1, 2, and 3 summarize recent campus energy use. The complete audit report also includes per capita energy use graphs and building-by-building comparisons for academic buildings, dormitories, and Avenue houses for fiscal year (FY) 2008.

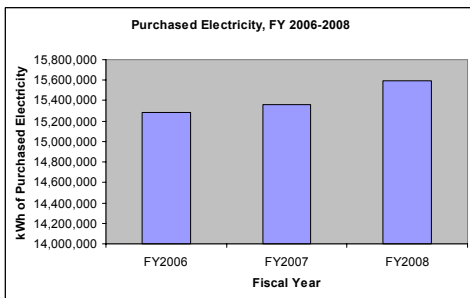


Figure 1. Purchased electricity for FY 2006-2008. Note that y-axis scale does not begin at zero.

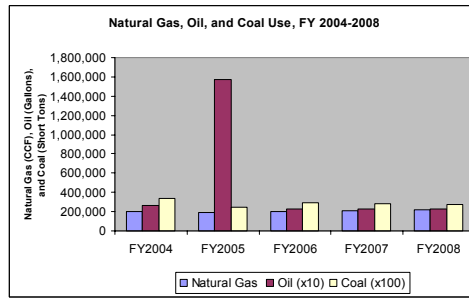


Figure 2. Natural gas, oil, and coal use for FY 2004-2008.

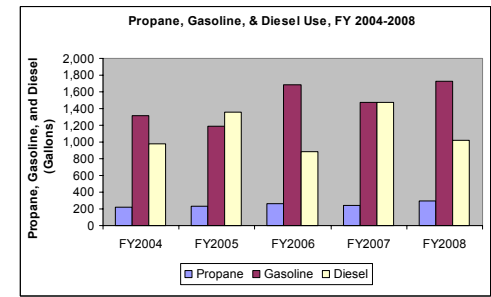


Figure 3. Propane, gasoline, and diesel use for FY 2004-2008.

Waste

Figures 4, 5, and 6 summarize campus waste history. The complete audit report also includes per capita solid waste data and an analysis of food and beverage waste for “trayless” dining.

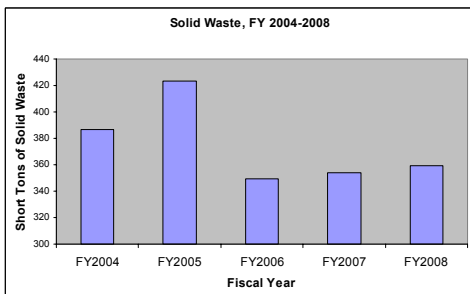


Figure 4. Solid waste data for FY 2004-2008.

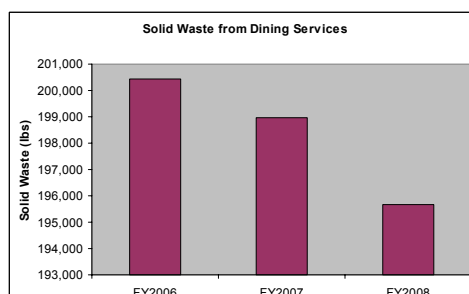


Figure 5. Food waste data for FY 2006-2008.

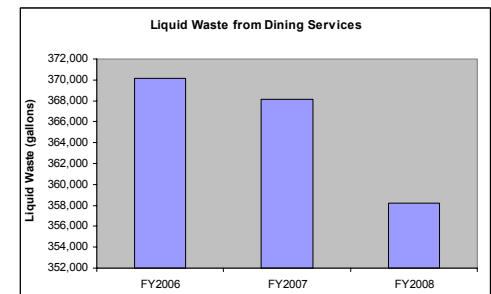


Figure 6. Liquid waste data for FY 2006-2008.

Water

Figure 7 summarizes campus water use history. The complete audit report also includes per capita data.

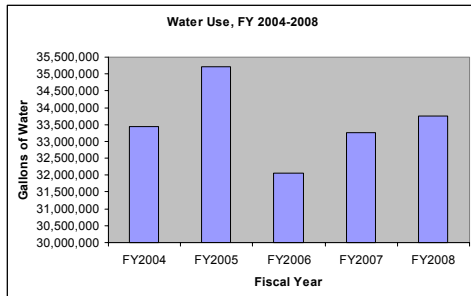
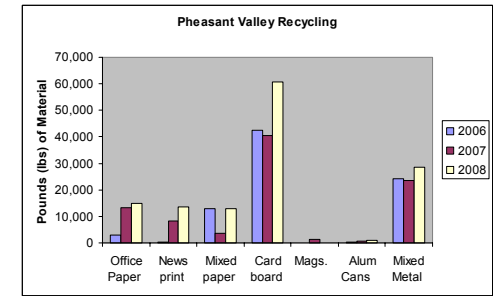
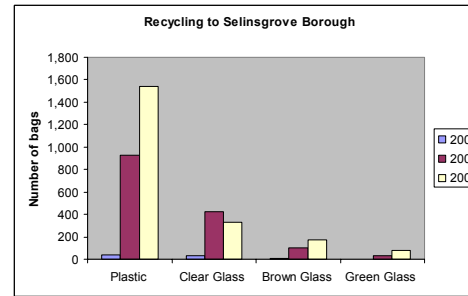


Figure 7. Water usage data for FY 2004-2008.

Recycling

Figures 8 and 9 summarize campus recycling history. The complete audit report also includes an analysis of the 2008 Recyclemania event.



Figures 8 and 9. Recycling data for FY 2006-2008.

Greenhouse gas emissions

Figures 10 and 11 summarize the campus greenhouse gas inventory. The complete audit report also includes more detailed information on emissions by fuel type, per capita emissions, and 2008 student air travel.

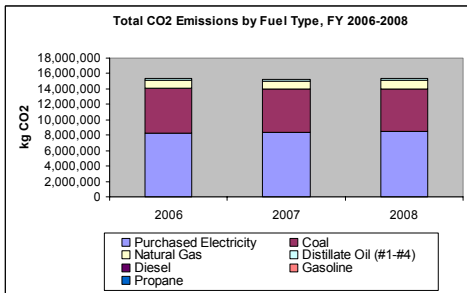


Figure 10. Carbon dioxide emissions for FY 2006-2008 by fuel type.

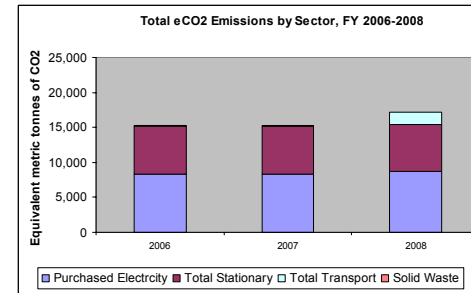


Figure 11. Total equivalent CO₂ emissions by sector for FY 2006-2008. Only the 2008 data include student air travel (light blue).

“Group of 24” comparison data

A survey was sent to sustainability representatives at Susquehanna’s “Group of 24” comparison schools. Respondents provided information on sustainability practices in the following categories: administration, climate change and energy, food and recycling, green building, and transportation. These responses are compared to practices at Susquehanna. The results of the survey can be found in the complete audit document, Section III and Appendices III and IV.