Presidents Climate Commitment Implementation Committee



Facilities Services

Presidents Climate Commitment

" develop and implement a plan with specific targets and timelines to achieve climate neutrality at a pace and in a manner that maximizes the opportunities for the university"

- From American College and University Presidents Climate Commitment 2007 Annual Report

Deadline: September 15, 2009

Facilities Services





- 1. Inventory emissions and create Base Case (accounting for future campus growth)
- 2. Gather ideas over 700 in database
- 3. Create the Decision Tool
- 4. Develop the Options
 - Short, Intermediate and Long-Term
 - Demand & Supply Side
 - Technology & Behavior
- 5. Select endorsed alternatives and create portfolio



GHG Inventory Summary

4 required Inventory Components for the PCC

On-site Fossil Fuels

Heating over 14 million Gross Square Feet 176,000 metric tons (55%)



Purchased Electricity

Over 230 million kwh 87,000 metric tons (27%)



Commuting

Over 3 million gallons of gasoline 29,000 metric tons (9%)



Air Travel

Over 40 million miles 27,000 metric tons (8%)



Total Footprint: 319,000 metric tons CO₂





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Involvement

706 Ideas from Faculty, Staff, Students, and Community





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Sustainable Decision Analysis For Climate Action Alternatives







Expected Forecast of Greenhouse Gas Emission Allowance Prices (2008 \$)





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What will be in the Recommended Portfolio?

- Actions that support essential **Teaching and Research Priorities**
- Actions that support our **Outreach Mission**
- Actions that show leadership **compatible with existing priorities** (campus greening, TIMS, Master Plan)
- Actions that **save \$\$ and reduce risk** associated with future energy prices and carbon taxes





Presidents Climate Commitment: Education, Research and Outreach Opportunities

Make climate neutrality and sustainability a part of the curriculum and other educational experience for all students

Expand research or other efforts necessary to achieve climate neutrality

