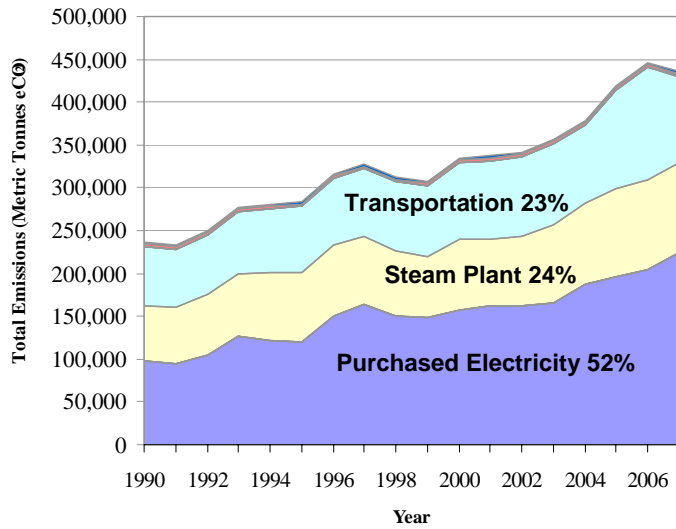


4.16.09 -- Climate Action Plan overview for Academic Council

- I. Sustainable Duke Program
 - a. Sustainability –
 - i. *“meeting the needs of the present, without compromising the ability of future generations to meet their needs”*
 - ii. Triple-bottom line – economy, society and environment
 - b. Duke’s sustainability ethic –
 - i. Master Plan - Campus in the Forest, Citizen of Durham and the Region
 - ii. Strategic Plan – Knowledge in Service to Society, Collaboration and Connection
- II. President’s Climate Commitment –
 - a. Signed in 2007 – formed Campus Sustainability Committee to develop Climate Action Plan
 - b. Updated GHG inventory 2008 – 434 metric tons eCO₂, 23% transportation, 24% steam plant, 52% electricity
 - c. Developing draft Climate Action Plan with target date for neutrality and interim milestones – due Sept. 2009
- III. Energy Analysis – wedges
 - a. Steam plant fuel mix
 - b. Electricity – Duke Power
 - c. Energy Conservation
 - d. Green Building +
 - e. On-site renewables
- IV. Transportation - wedges
 - a. Commuters – transportation demand management
 - b. Campus fleet
 - c. Air travel
 - d. External factors – fuel efficiency standards, better air traffic management
- V. Offsets
 - a. Reduce, renew, then offset
 - b. Desire for local, tangible offsets
 - i. Realized that we need to be catalyst to create these credible, local offsets
 - ii. Exploring a Duke “offsets corporation”
- VI. Education and Communication
 - a. Ensure all students graduate with a knowledge of sustainability and climate change
 - b. Engage the campus community in this effort – make it personal
- VII. Next steps
 - a. Feedback from campus stakeholders
 - b. Exploring separating out the university from health system because of different growth patterns
 - c. Finalize financial analysis and determine target date – present final draft to May BOT meeting



Duke's Greenhouse Gas Emissions



**434
Metric
Tons**

Other 1% (Fertilizer,
Solid Waste and
Refrigerants)



Offsets: The Plan

Percent Reduction Below 2007 Baseline (offsets needed to be neutral)

