



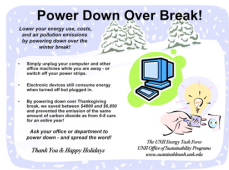
# Energy Task Force

Working with the UNH community to reduce emissions of greenhouse gases, improve energy efficiency and conservation, and lower energy costs

## TIMELINE

### November 2005

President Hart creates Energy Task Force.



### Nov/Dec 2005

Powerdown over Thanksgiving and winter breaks results in over \$20,000 saved in energy costs and greenhouse gas emissions prevented equivalent to removing 30 cars from the road for one year.

### January 2006

UNH designated by EPA and DOT as a "Best Workplace for Commuters" for third year in a row.



### Feb/March 2006

Six new compressed natural gas shuttle buses are added to UNH's Clean Fleet. The Clean Fleet Project includes a variety of transit improvements - from alternative fuels to cleaner technology - all implemented with the goal of making UNH's transit system one of the cleanest in New England.

### April 2006

A roundtable discussion on how the Northeast is responding to climate change, including through the Regional Greenhouse Gas Initiative, attracts students, faculty, and staff.

### May 2006

UNH earns first EPA ENERGY STAR rating for residence halls in the nation for Congreve, Lord, and McLaughlin.



## FUTURE PLANS

## 2006-2007

- WildCAP - discounts on ENERGY STAR appliances and electronics for UNH students, parents, faculty, and staff, through Houghton's ACE Hardware.
- Educational material & training for p-card holders to help them purchase ENERGY STAR equipment.
- 2004-2005 update to UNH's Greenhouse Gas Emission Inventory, which has been tracking the Durham campus's greenhouse gas emissions since 1990.
- Expansion of UNH Clean Fleet program, including more CNG shuttles, an electric utility vehicle, \$2 million worth of biodiesel (B-20) buses, and improvements in efficiency standards for all purchased vehicles.
- 2006-2007 Discovery Program Dialogue (annual campus-wide discussions and events) theme of energy



**"Energy conservation makes sense both economically and environmentally."**

*John Aber*

*VP of Research & Public Service and Chair of the UNH Energy Task Force*

- More educational campaigns such as computer power management and powerdown
- Online operation of cogeneration (COGEN) facility, including

incorporation of captured methane from Turnkey landfill, reducing the Durham campus's greenhouse gas emissions by approximately 40%.

- Conversion of dining area waste vegetable oil into biodiesel to fuel off-road farm equipment and to heat greenhouses and other farm buildings.
- Renovation of James Hall into a more sustainable building that will serve as a campus-wide model for other renovation and construction projects
- Continued lighting retrofits and upgrades in buildings on campus.
- More classes related to energy and climate - from "Energy and the Environment" (CE 401) to the new Discovery course "Science, Policy and Climate Change" to "Climate Change and Health" (part of the MPH program at UNH-Manchester) to "Sustainable Engineering"
- First annual UNH Student Energy Waste Watch Challenge in residence halls and on-campus apartments

# Membership

*The Energy Task Force is comprised of a wide variety of faculty, staff, and students*

## CHAIR

John Aber, VP of Research & Public Service

## FACULTY

- David Brown, Dept. of Geography and State Climatologist
- John Halstead, Dept. of Natural Resources
- Tom Kelly, Office of Sustainability

- Stacy VanDeveer, Dept. of Political Science
- Cameron Wake, Climate Change Research Center
- David Watt, Dept. of Mechanical Engineering

## STAFF

- Sara Cleaves, Office of Sustainability
- Paul Chamberlin, Facilities
- Jim Dombrosk, Energy Office
- David Gillum, Environmental Health & Safety
- Mike Jones, Editorial & Creative Services
- Matt O'Keefe, Energy Office

- Steve Pesci, Campus Planning (transportation focus)
- Jahnay Pickett, Office of Sponsored Research

## STUDENTS

- Shelby Flint, graduate student in Dept. of Natural Resources
- Chris Skolgund, graduate student in Dept. of Natural Resources
- Two undergraduate students who have graduated; we are recruiting new undergraduates

# Subcommittees

*Subcommittees are formed as needed to address issues deemed important by the ETF and to lead certain initiatives*

- CIS/Power management
- Clean Fleet/Transportation
- Communications
- Curriculum & Research
- Policy (State and Regional)
- Powerdown
- Purchasing
- Student Energy Waste Watch Challenge
- Sustainable Building

We also integrate our work with that of other groups and initiatives on campus, such as the Transportation Policy Committee and the Climate Education Initiative.

## More Information

[www.unh.edu/etf](http://www.unh.edu/etf)

### Contacts:

**Sara Cleaves**  
Office of Sustainability  
107 Nesmith Hall  
603.862.5039  
[sara.cleaves@unh.edu](mailto:sara.cleaves@unh.edu)  
[www.sustainableunh.unh.edu](http://www.sustainableunh.unh.edu)

**Matt O'Keefe**  
Energy Office  
Figment Hall  
603.862.1276  
[matt.okeefe@unh.edu](mailto:matt.okeefe@unh.edu)  
[www.energy.unh.edu](http://www.energy.unh.edu)