



GREENHOUSE GAS EMISSIONS INVENTORY

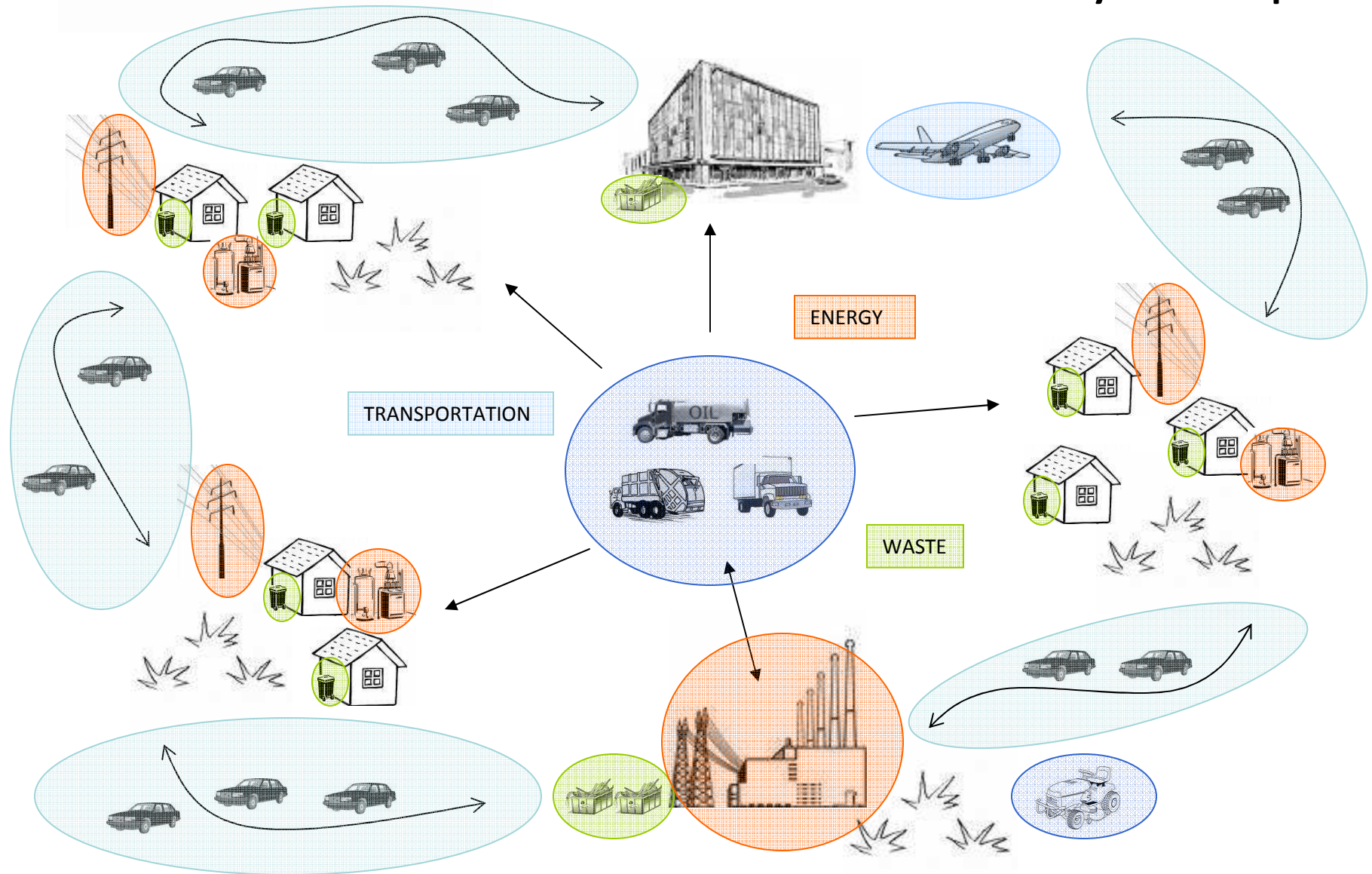
Benchmarking our emissions. Meeting our climate neutral goal.

Climate Neutral Goal

In February 2007 Bates signed on to the ACUPCC committing us to:

1. Complete a GHG Emissions Inventory (by Sept. 08)
2. Complete a Climate Neutral Action Plan with target date (by Sept. 09)

GHG Inventory – Scope



GHG Inventory – Data

GHG EMISSIONS DATA

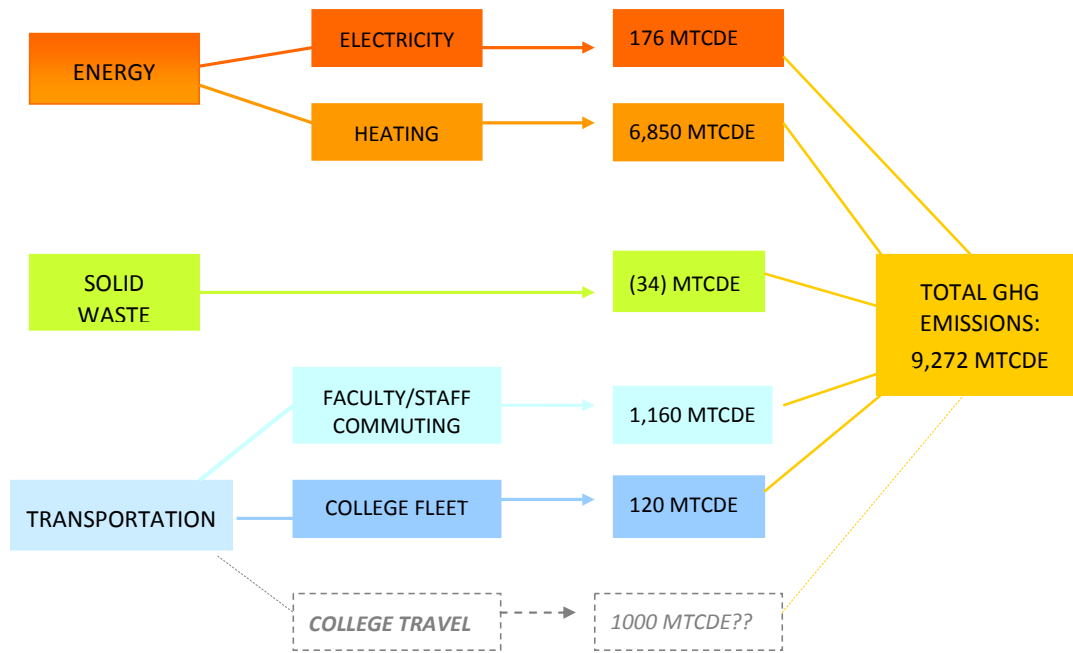
| YR | ENERGY | | | | TRANSPORTATION | | | | WASTE & OFFSETS | | | | | | |
|------|--------------------|---------|-------|--------------------------------------|------------------------------|---------------------------------------|--|-------------------------|------------------------------------|-------------------------------|--------------------------|-------------------------|---|--------------------|---|
| | FULL TIME STUDENTS | FACULTY | STAFF | TOTAL BUILDING SPACE (million sq ft) | PURCHASED ELECTRICITY (kWhs) | ON-CAMPUS STATIONARY (gallons #2 oil) | ON-CAMPUS STATIONARY (MMBtu natural gas) | COLLEGE FLEET (gallons) | FACULTY/ STAFF COMMUTING (gallons) | OFFICIAL COLLEGE TRAVEL (AIR) | SOLID WASTE (short tons) | COMPOSTING (short tons) | RENEWABLE ENERGY CERTIFICATES (RECs) (kWhs) | REFRIGERANTS (kgs) | |
| 2000 | 1,645 | 199 | 510 | 1.421 | 14,014,286 | 586,273 | 44,833 | 11,433 | 2,533 | 134,967 | | 227 | | 0 | 3 |
| 2001 | 1,694 | 202 | 507 | 1.426 | 13,551,443 | 590,347 | 40,860 | 17,159 | 2,533 | 133,468 | | 245 | | 0 | 0 |
| 2002 | 1,767 | 197 | 506 | 1.429 | 14,012,623 | 606,643 | 34,035 | 23,497 | 2,690 | 133,370 | | 302 | | 0 | 0 |
| 2003 | 1,738 | 206 | 498 | 1.429 | 13,931,256 | 686,534 | 47,770 | 25,118 | 3,270 | 131,633 | | 312 | 51.33 | 0 | 0 |
| 2004 | 1,746 | 209 | 526 | 1.429 | 13,476,592 | 908,174 | 4,231 | 25,974 | 2,400 | 131,871 | | 333 | 53.90 | 0 | 0 |
| 2005 | 1,743 | 212 | 519 | 1.429 | 13,775,877 | 639,410 | 36,379 | 25,764 | 4,395 | 131,071 | | 332 | 46.93 | 0 | 0 |
| 2006 | 1,684 | 200 | 532 | 1.429 | 13,811,482 | 579,986 | 21,469 | 25,406 | 2,695 | 131,494 | | 340 | 45.45 | 207,000 | 0 |
| 2007 | 1,744 | 207 | 517 | 1.681 | 12,275,754 | 133,197 | 104,085 | 10,567 | 2,547 | 129,875 | | 310 | 46.92 | 0 | 0 |
| 2008 | 1,660 | 207 | 539 | 1.681 | 14,036,304 | 145,803 | 117,662 | 10,567 | 3,796 | 133,946 | | 295 | | 0 | 0 |

GHG EMISSIONS eCO2 (in METRIC TONS eCO2)

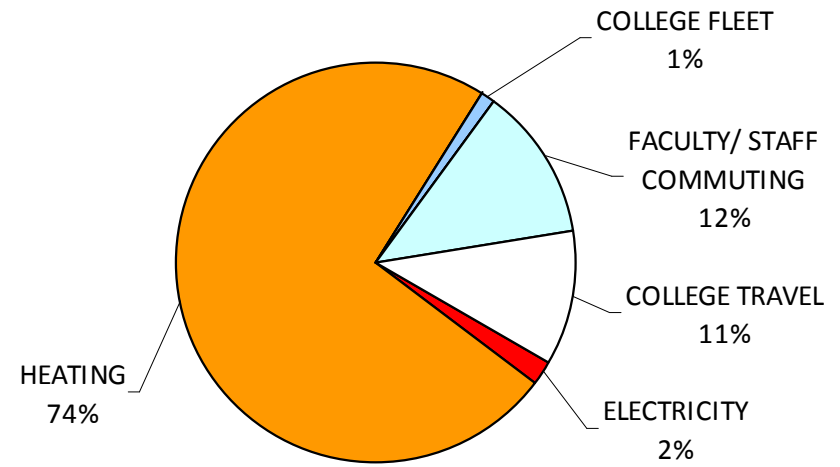
| YR | NET EMISSIONS | ENERGY | | | TRANSPORTATION | | | WASTE & OFFSETS | | | |
|------|---------------|---------------|---------------------------------|--------------------------------|-------------------------|------------------------------------|-------------------------------|-----------------------|------------|-------------------------------|------------------------|
| | | NET EMISSIONS | PURCHASED ELECTRICITY (Scope 2) | ON-CAMPUS STATIONARY (Scope 1) | COLLEGE FLEET (Scope 1) | FACULTY/ STAFF COMMUTING (Scope 3) | OFFICIAL COLLEGE TRAVEL (AIR) | SOLID WASTE (Scope 3) | COMPOSTING | RENEWABLE ENERGY CERTIFICATES | REFRIGERANTS (Scope 1) |
| 2000 | 14,661 | <-- | 5,083 | 8,267 | 128 | 1,205 | | (25) | | 0 | 3 |
| 2001 | 16,176 | <-- | 6,734 | 8,098 | 179 | 1,191 | | (27) | | 0 | 0 |
| 2002 | 16,170 | <-- | 6,875 | 7,901 | 237 | 1,191 | | (33) | | 0 | 0 |
| 2003 | 17,589 | <-- | 6,762 | 9,431 | 257 | 1,174 | | (34) | (9) | 0 | 0 |
| 2004 | 17,304 | <-- | 6,553 | 9,354 | 256 | 1,178 | | (37) | (10) | 0 | 0 |
| 2005 | 16,478 | <-- | 6,715 | 8,354 | 275 | 1,171 | | (37) | (9) | 0 | 0 |
| 2006 | 8,554 | <-- | 198 | 6,967 | 254 | 1,175 | | (37) | (8) | (3) | 0 |
| 2007 | 8,269 | <-- | 176 | 6,850 | 120 | 1,160 | | (34) | (9) | 0 | 0 |
| 2008 | 9,188 | <-- | 201 | 7,695 | 133 | 1,197 | | (32) | | 0 | 0 |

GHG Inventory – Results 2007

METRIC TONS eCO₂



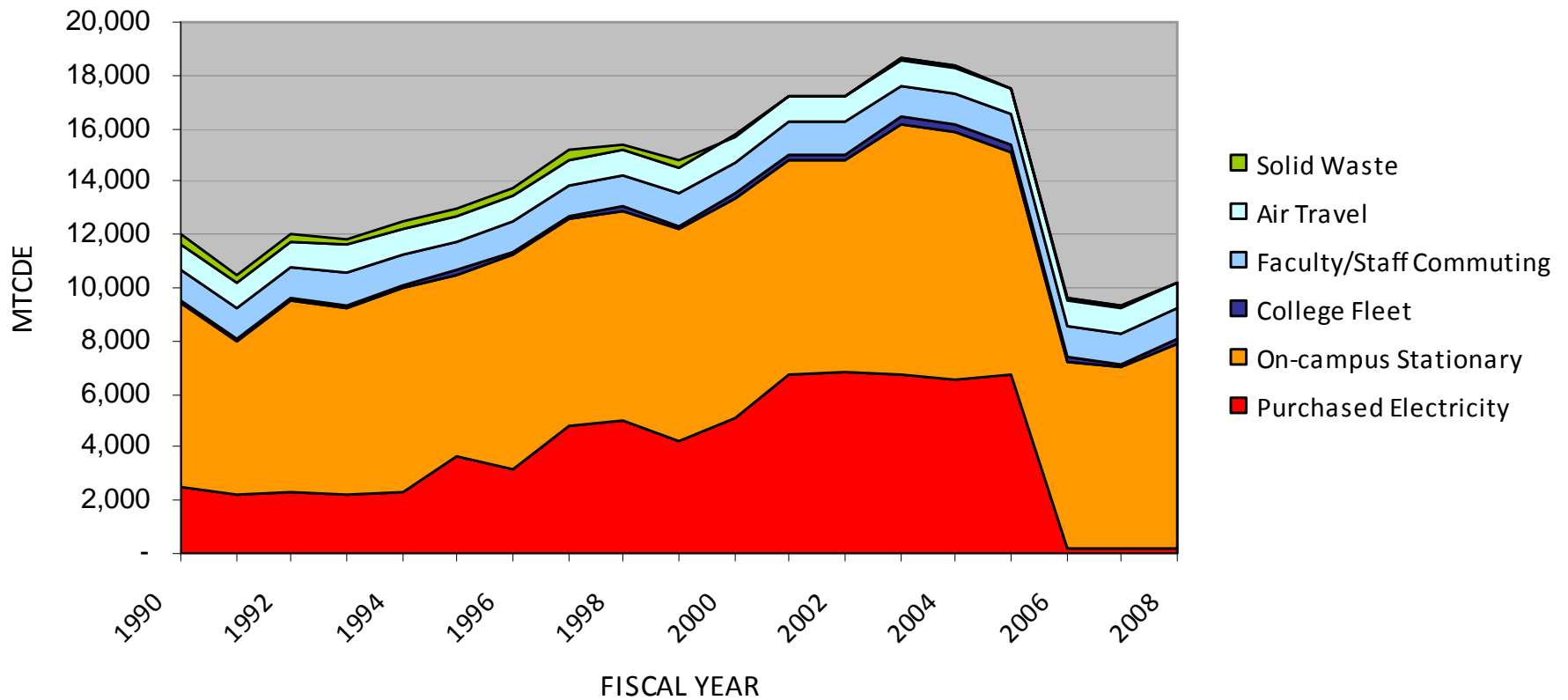
PERCENT



GHG Inventory – Results

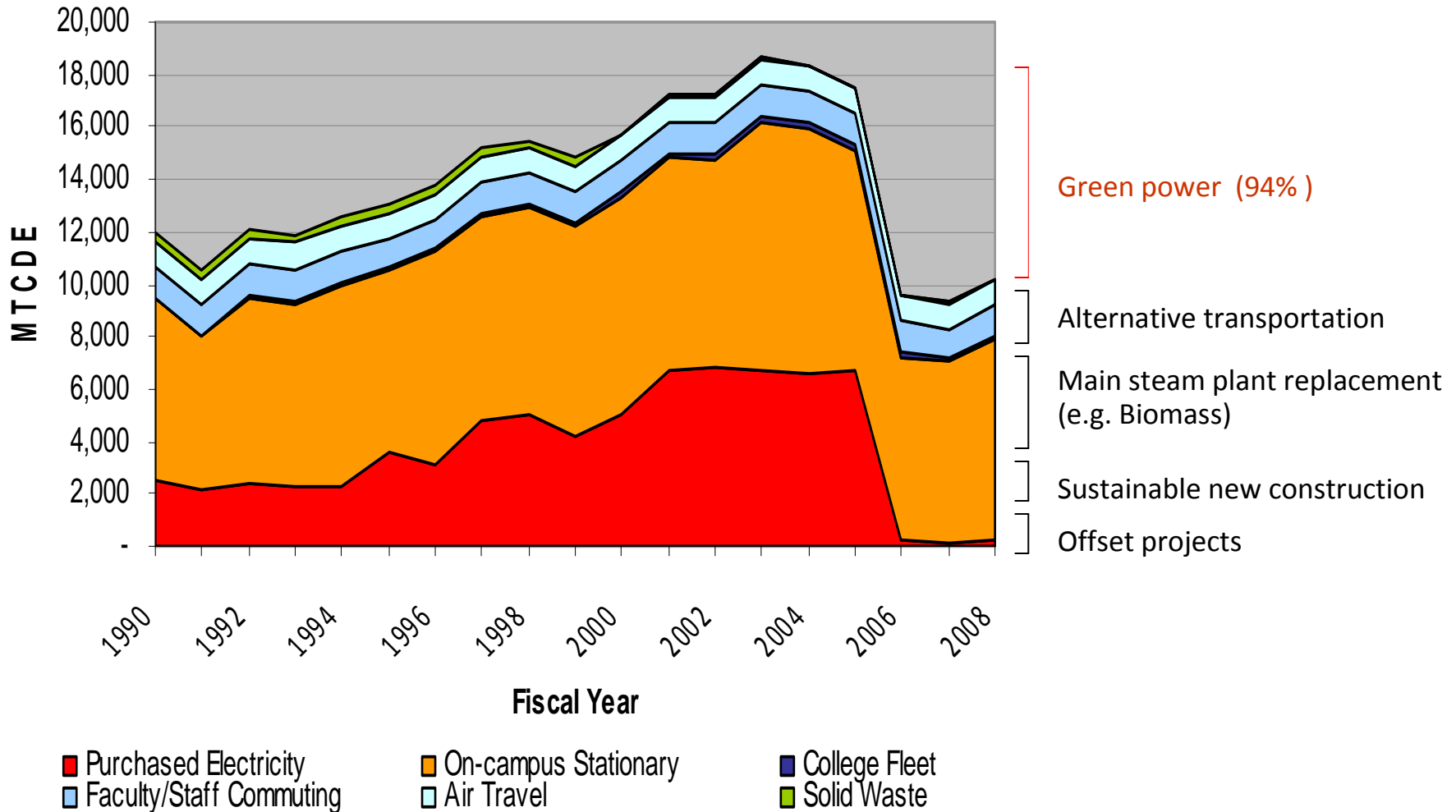
Trends 1990-2008

1990-2008 TOTAL EMISSIONS BY SOURCE



Climate Neutral Action Plan

Major Focus Areas



Climate Neutral Action Plan

Strategies

TRANSPORTATION

Replacing fleet golf carts with GEM cars

Alt powered vehicles for fleet

Carpool incentive programs

Zipcars

Bike Coop

Rideshares

Public transportation incentives

Work at home/flex schedule

HEATING

Replacement of the main steam plant with biomass /CHP?

Sustainable new construction/renovations with renewable energy

Energy efficiency upgrades (e.g. low flow plumbing fixtures, vsms, etc.)

Energy fund for deferred maintenance/capital expenses

Education

ELECTRICITY

Renewable electricity contract for small houses

Renew our green power contract

Replacing incandescent bulbs with CFLs

Lighting upgrades for campus buildings

Motion sensors across campus

EnergyStar purchasing policy

OFFSETS

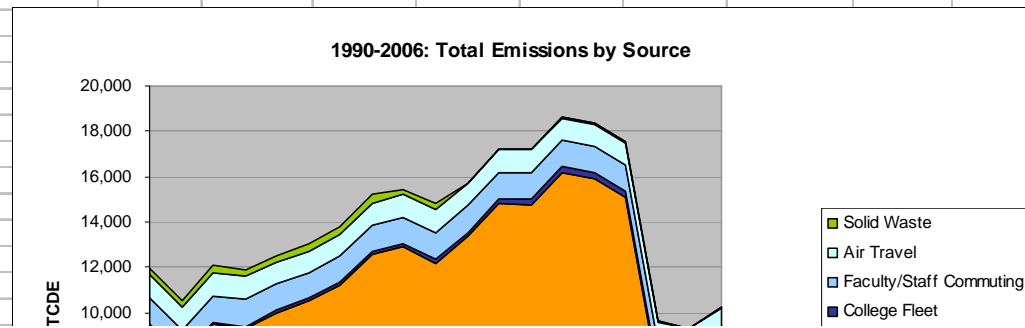
Renewable Energy Certificates

Keep ME Warm-type program

CFLs switch out in community

Hide Slide

| GHG DATA | | | | | | | |
|----------|-----------------------|----------------------|---------------|-------------------------|------------|-------------|----------------|
| | Purchased Electricity | On-campus Stationary | College Fleet | Faculty/Staff Commuting | Air Travel | Solid Waste | total emit new |
| 1990 | 2,515 | 6,910 | 70 | 1,175 | 1,000 | 303 | 11,973 |
| 1991 | 2,210 | 5,791 | 80 | 1,138 | 1,000 | 303 | 10,522 |
| 1992 | 2,354 | 7,125 | 90 | 1,175 | 1,000 | 323 | 12,067 |
| 1993 | 2,228 | 7,040 | 100 | 1,224 | 1,000 | 265 | 11,857 |
| 1994 | 2,319 | 7,639 | 110 | 1,174 | 1,000 | 281 | 12,524 |
| 1995 | 3,625 | 6,887 | 120 | 1,097 | 1,000 | 277 | 13,007 |
| 1996 | 3,134 | 8,094 | 130 | 1,115 | 1,000 | 311 | 13,783 |
| 1997 | 4,807 | 7,759 | 140 | 1,139 | 1,000 | 371 | 15,216 |
| 1998 | 5,024 | 7,875 | 150 | 1,149 | 1,000 | 223 | 15,420 |
| 1999 | 4,183 | 7,990 | 160 | 1,208 | 1,000 | 290 | 14,831 |
| 2000 | 5,083 | 8,267 | 170 | 1,205 | 1,000 | (25) | 15,700 |
| 2001 | 6,734 | 8,098 | 180 | 1,191 | 1,000 | (27) | 17,176 |
| 2002 | 6,875 | 7,901 | 237 | 1,191 | 1,000 | (33) | 17,171 |
| 2003 | 6,762 | 9,431 | 257 | 1,174 | 1,000 | (34) | 18,590 |
| 2004 | 6,553 | 9,354 | 256 | 1,178 | 1,000 | (37) | 18,304 |
| 2005 | 6,715 | 8,354 | 275 | 1,171 | 1,000 | (37) | 17,478 |
| 2006 | 198 | 6,967 | 254 | 1,175 | 1,000 | (37) | 9,557 |
| 2007 | 176 | 6,850 | 120 | 1,160 | 1,000 | (34) | |
| 2008 | 201 | 7,695 | 133 | 1,197 | 1,000 | (32) | |
| total | 71,697 | 146,026 | 3,032 | 19,879 | 17,000 | 2,717 | 14,422 |



MTCDE = metric tons carbon dioxide equivalent