

GREENING UM



# The University of Montana Climate Action Plan

Planning to reduce  
greenhouse gas  
emissions



**The Office of Sustainability**  
UM Facilities Services  
32 Campus Dr MS 9288  
Missoula MT, 59812

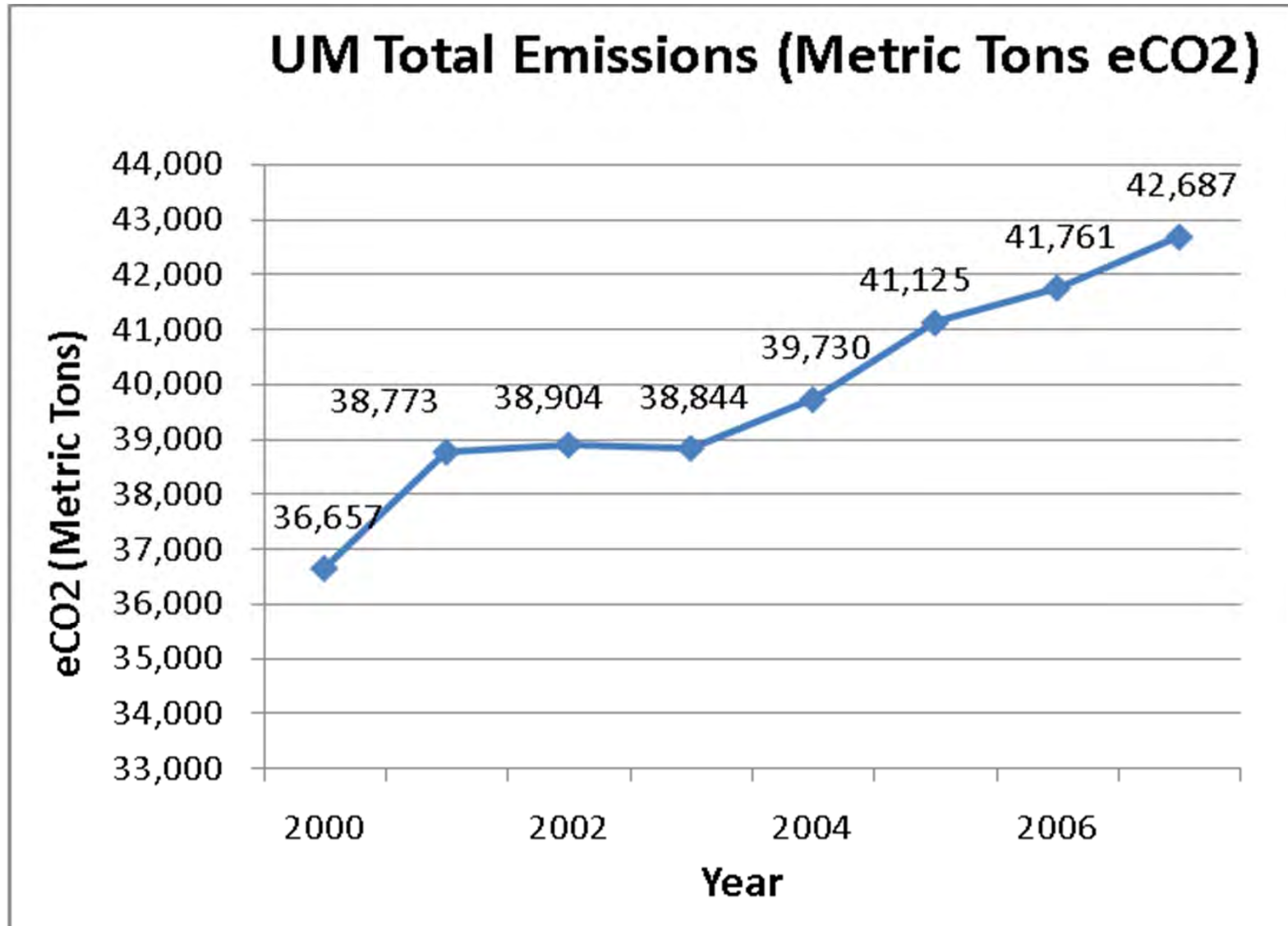


# Implementing the Commitment

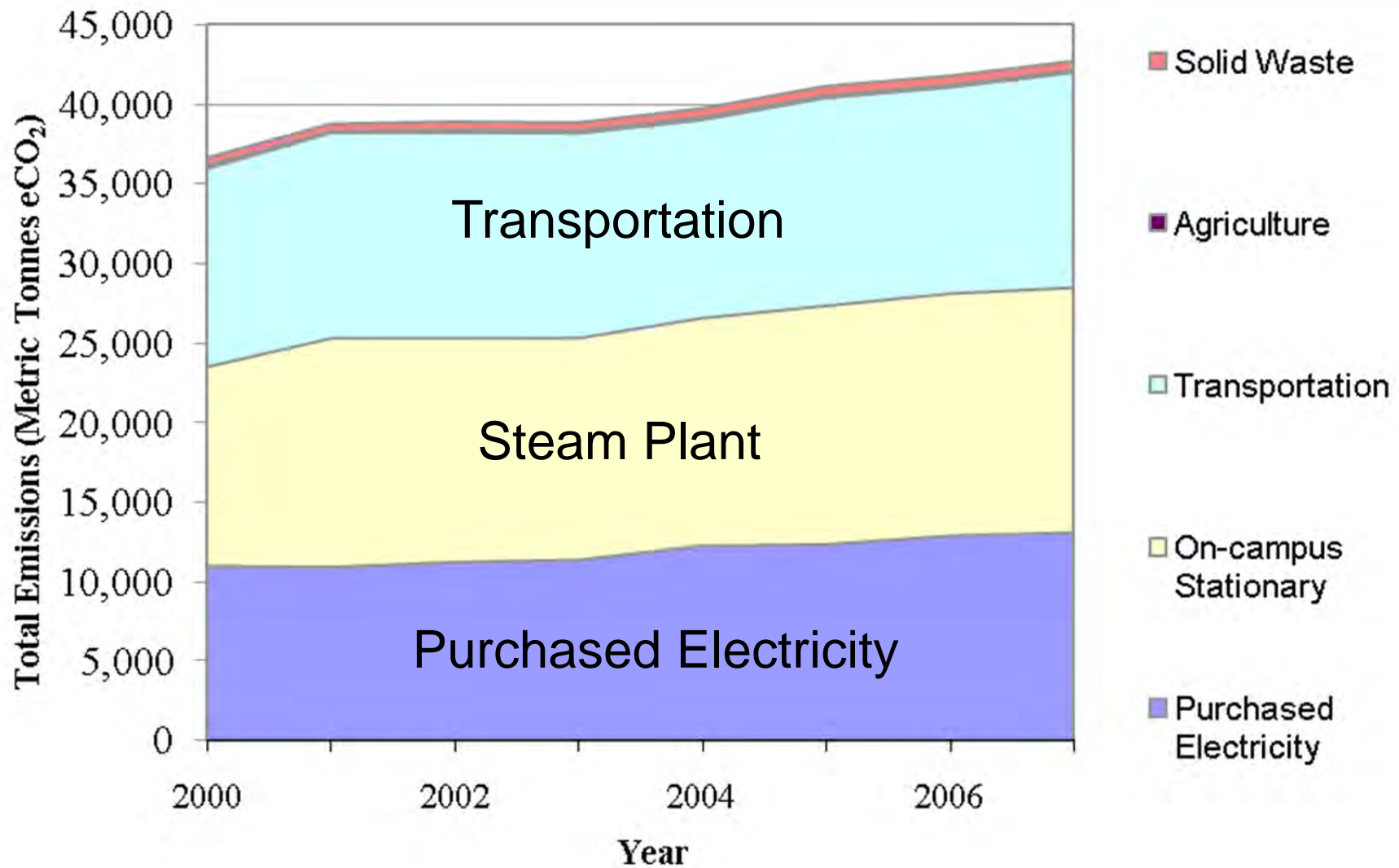
- 2007 American College and University Presidents Climate Commitment
- 2008 Greenhouse Gas Inventory
- 2010 Climate Action Plan



# Greenhouse Gas Inventory

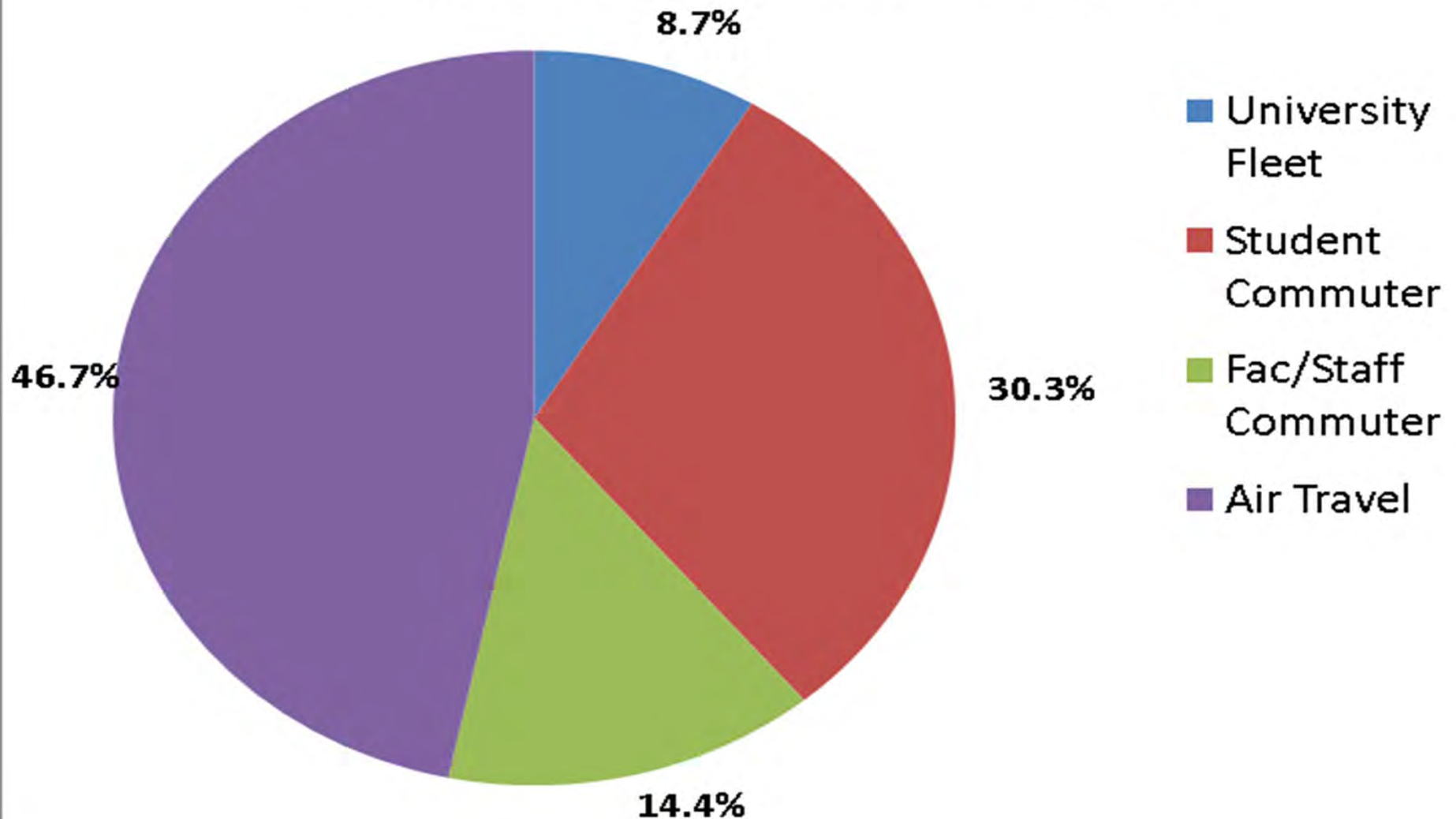


# Greenhouse Gas Inventory

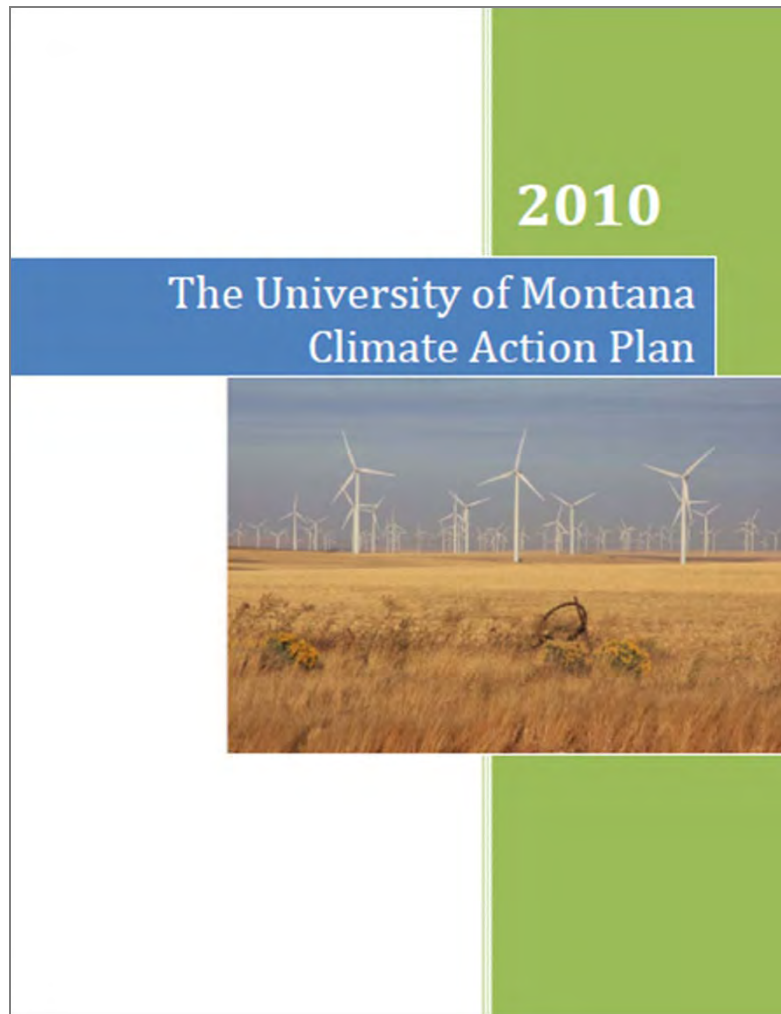


# Greenhouse Gas Inventory

## % by Transportation Method



# Climate Action Plan



- Strategies to reduce GHG Emissions
- Strategies to include sustainability in education, outreach, and research
- Developed through public Involvement



# Climate Action Plan

## Strategies To Reduce GHG Emissions

- Energy Efficiency and Conservation
- Renewable Energy Generation
- Green Buildings
- Transportation
- Offsetting Emissions



# Energy Efficiency and Conservation

- Energy audits
- Lighting retrofits
- Retro-commission HVAC systems
- Behavior Modification
- Energy-wise IT







# Renewable Energy

- Biomass
- Solar photovoltaic
- Solar thermal
- Wind Power

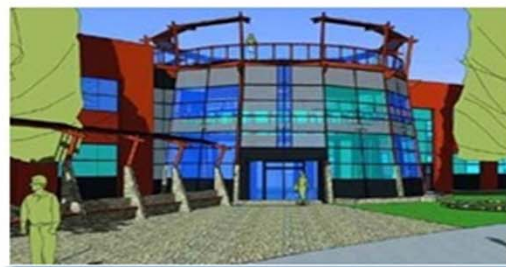


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# Green Buildings

- LEED New Construction (NC) Silver certification
- LEED for Existing Buildings, Operation and Maintenance (EBOM) certification



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# Transportation - Commuting

- ASUM Transportation
  - Increase incentives to bike, walk and bus
- Disincentives for parking on campus



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# Transportation - Fleet

- More fuel efficient fleet vehicles
- Consolidate field trips
- More electric trucks in maintenance fleet
- Use biodiesel in ASUM busses



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# Transportation - Air Travel

- Increase video & teleconferencing
- Evaluate departmental travel
- Purchase carbon offsets for travel



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# Offsetting Emissions

- Carbon Offsets
- Renewable Energy Credits





# GHG Emission Reduction Strategies

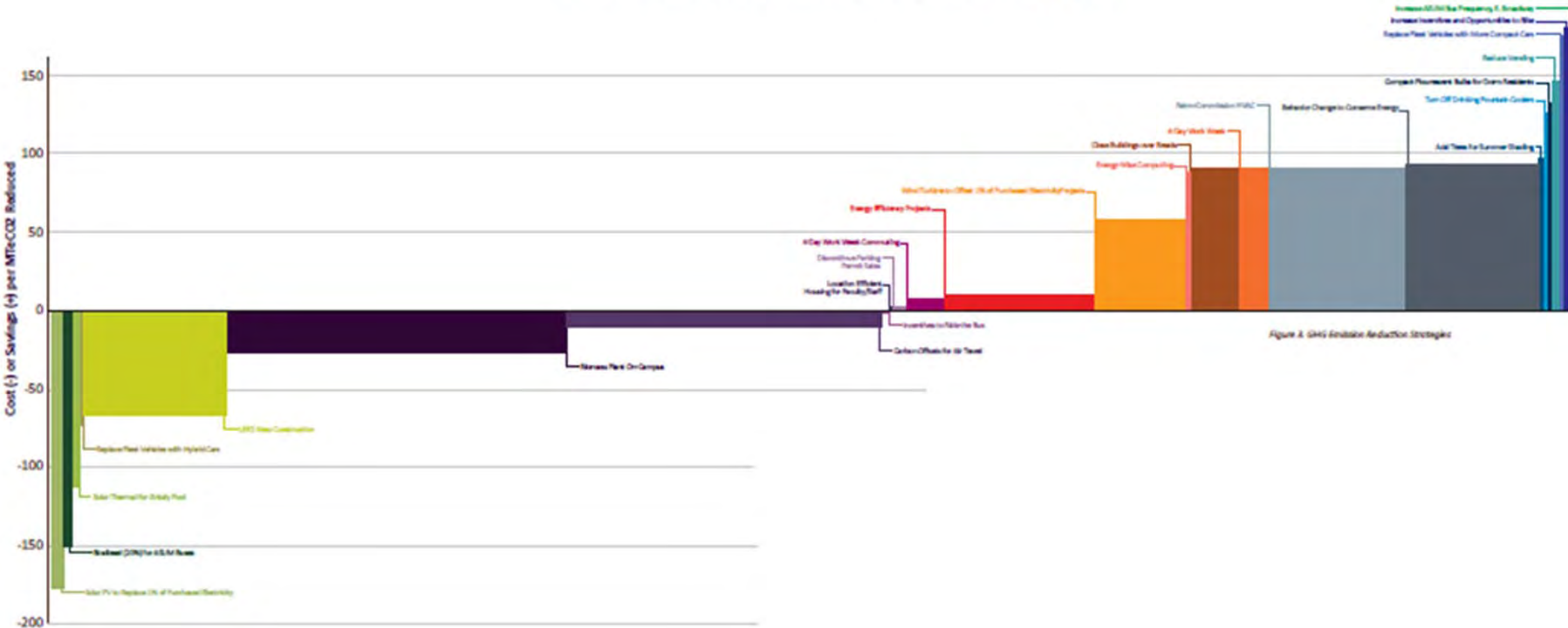
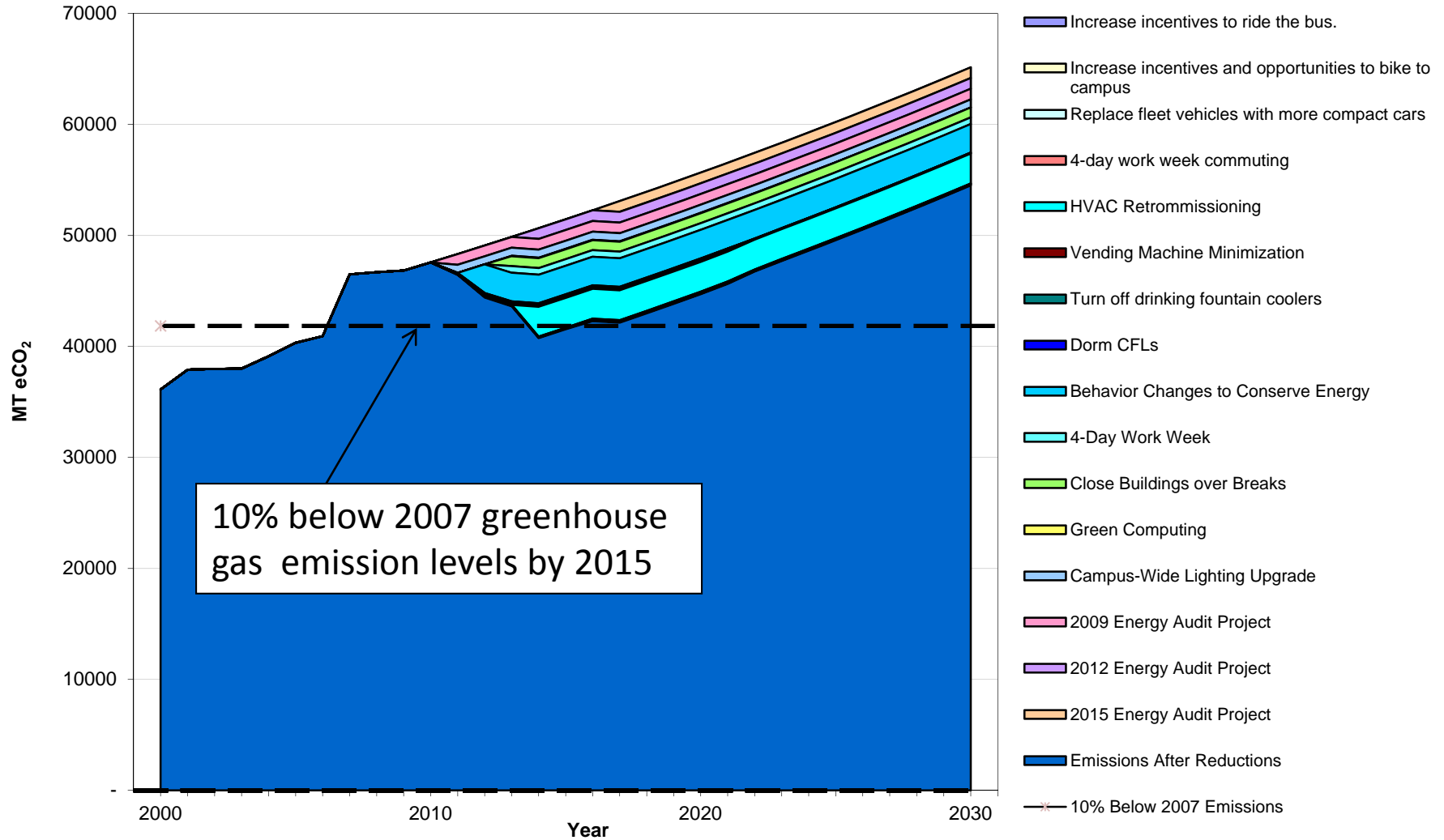
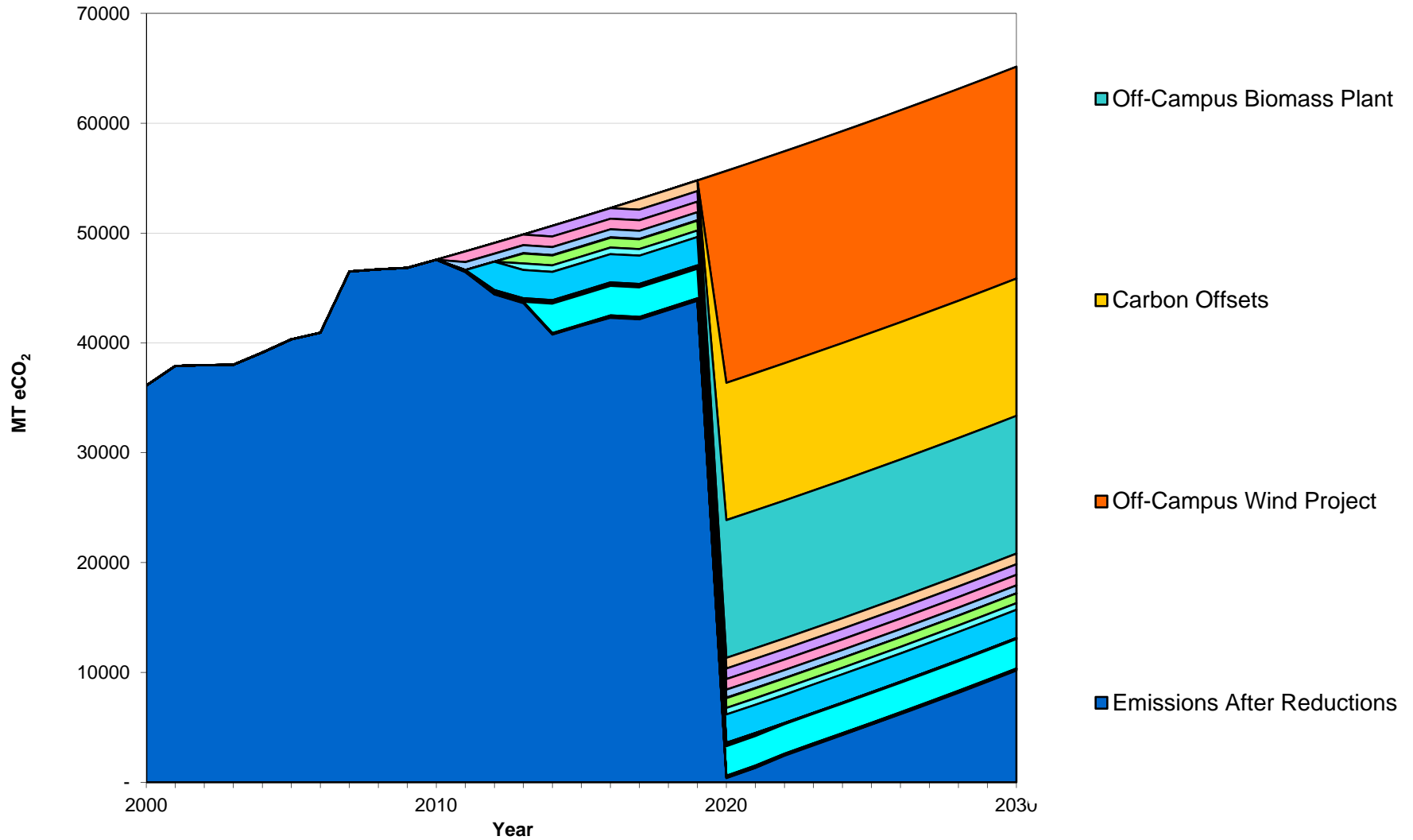


Figure 4. GHG Emission Reduction Strategies

# GHG Reduction of 10% below 2007 levels by 2015



# Carbon Neutral by 2020



# Climate Action Plan

## Strategies To Include Sustainability in Education, Outreach, and Research

- Climate Change Studies Minor
- Energy Technology Program at COT
- Green Thread faculty Workshop
- Campus Climate Exchange

# Climate Action Plan

## Strategies To Include Sustainability in Education, Outreach, and Research

- Renewable Energy Loan Fund (RELF)
- Forum for Living with Appropriate Technology (FLAT)
- Farm-to-College Program
- Climate Change Internships

GREENING UM

# For more information:

<http://www.umt.edu/greeningum/>

## **Office of Sustainability**

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