



# Austin Energy Climate Protection Plan

Presentation for the  
Resource Management Commission

July 19, 2011

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# Departmental GHG Footprint



## What is in?

- Office buildings
- Warehouses
- Service centers
- Fleet



## What is out?

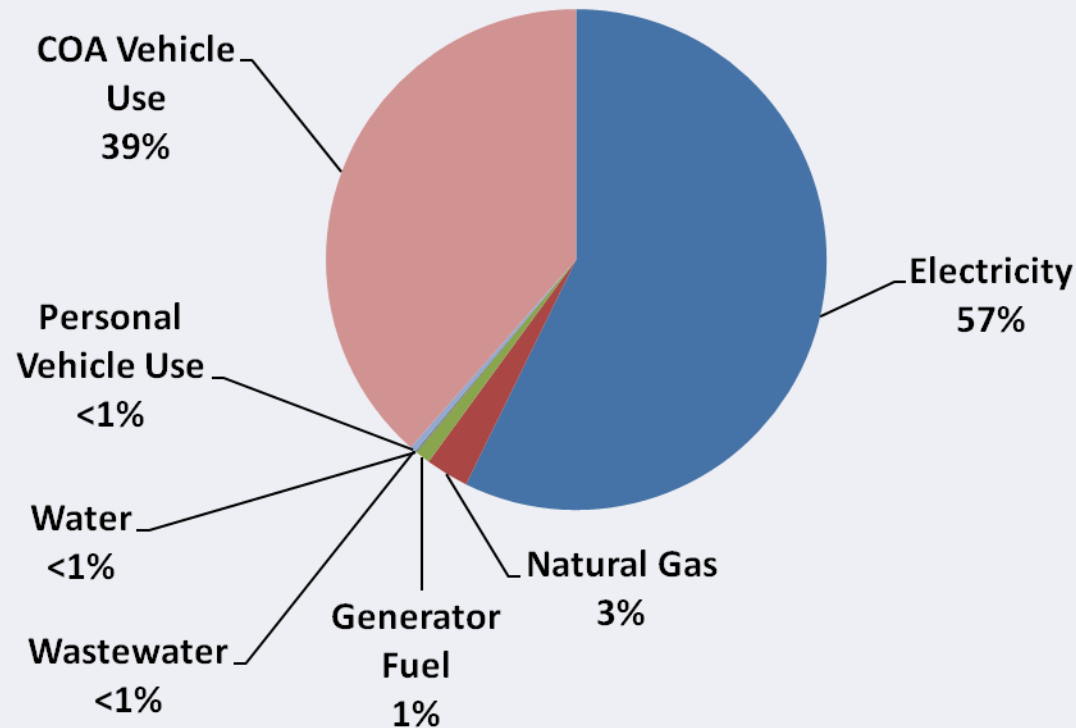
- Power plants
- Purchased power
- Chillers
- Electrical equipment (SF<sub>6</sub>)





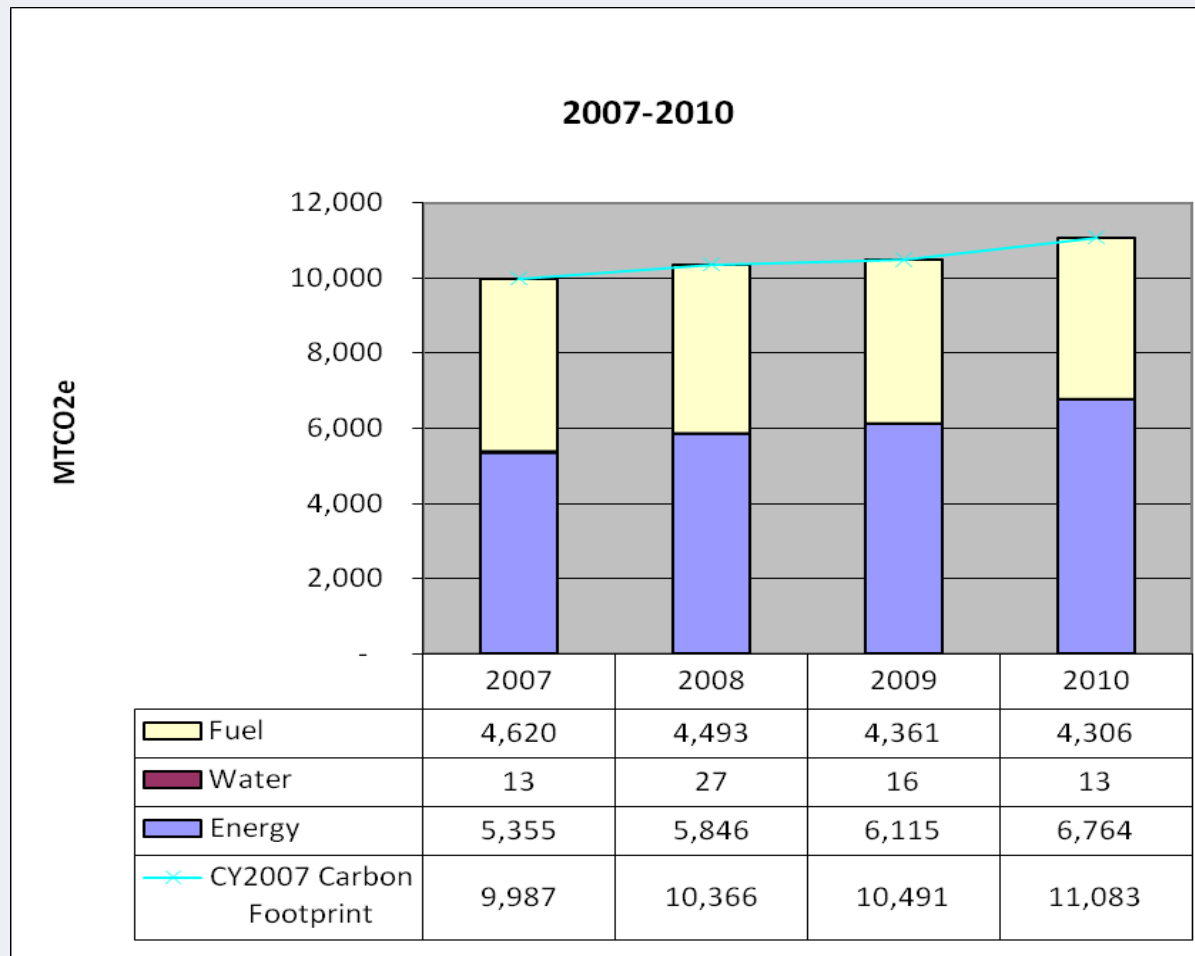
# Departmental GHG Footprint

2010 = 11,083 MTCO<sub>2</sub>e



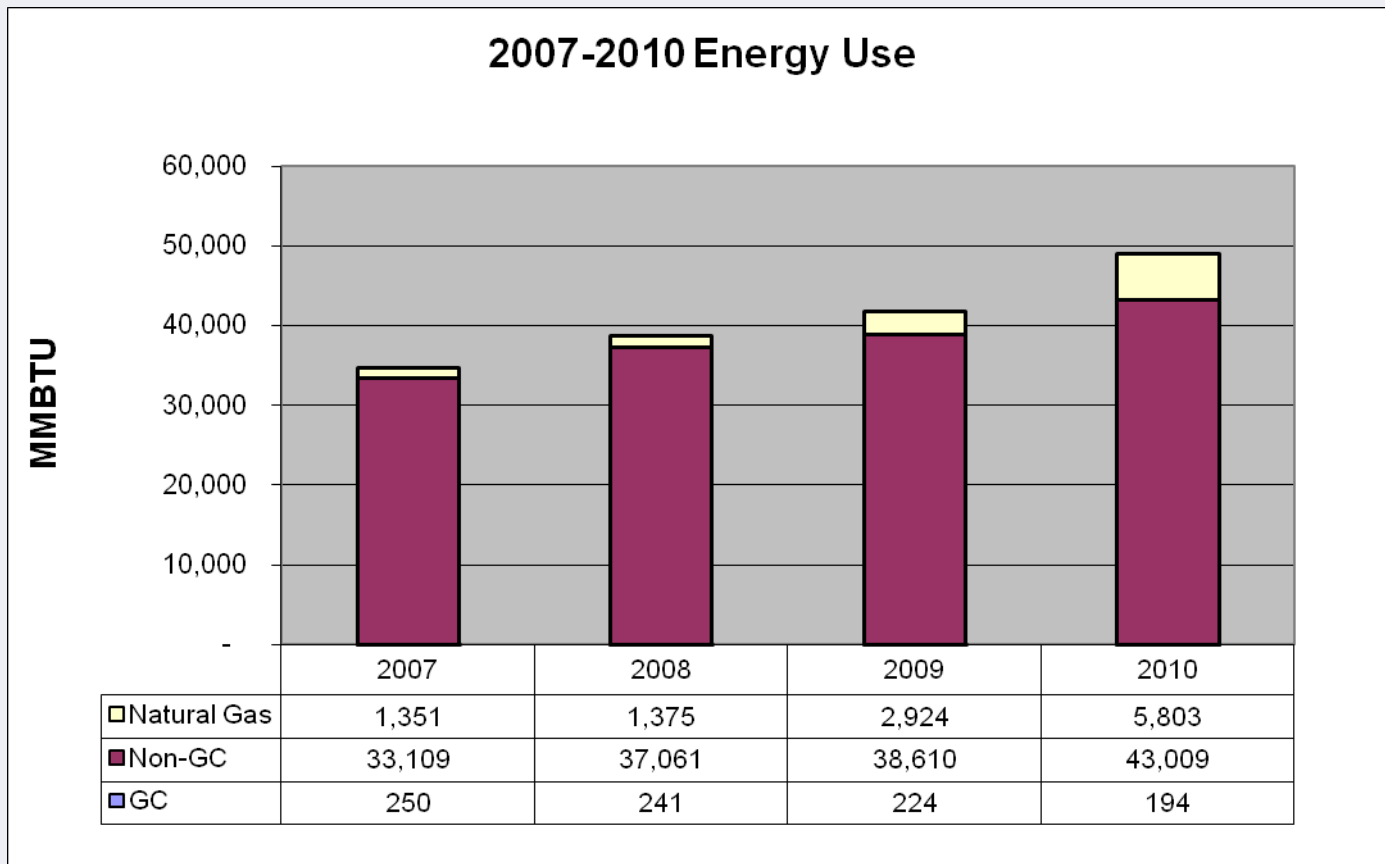


# Departmental GHG Footprint





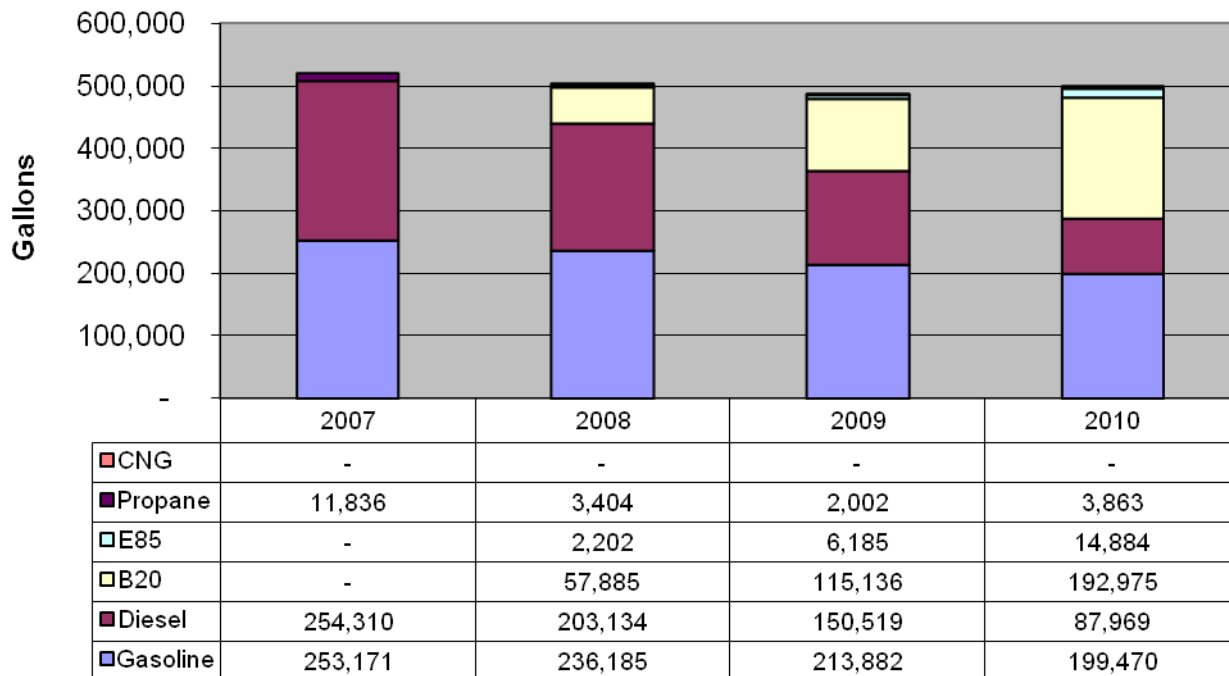
# Departmental GHG Footprint





# Departmental GHG Footprint

2007-2010 Fuel Use





# Current Activities

## IT Asset Management

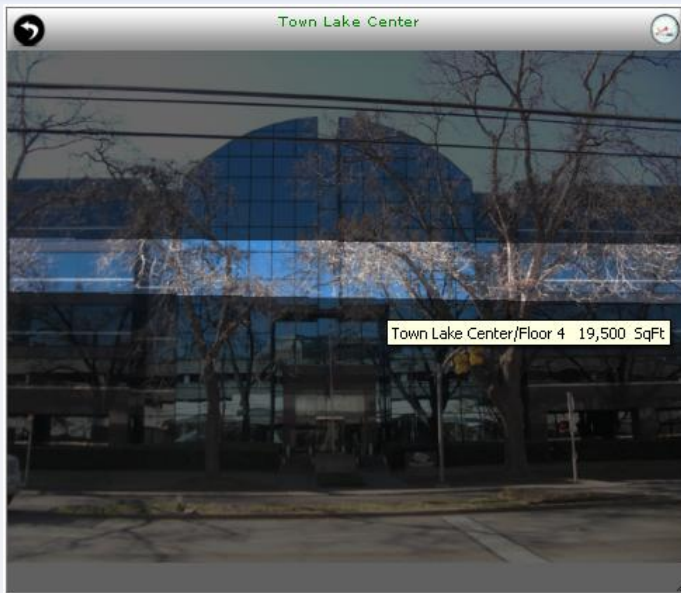
- Installed *NightWatchman* power management program on 1600 computers - ***\$26,000 annual savings***
- Replaced 1800 CRT monitors with LCD monitors - ***\$57,000 annual savings***
- Replaced *Xerox* copier/printers with *Ricoh* brand - ***40% more energy efficient and saved \$2 million***
- **90%** of AE IT assets meet Energy Star 5.0 and EPEAT gold/silver certification standards
- Purchased electronic faxing software, *RightFax*





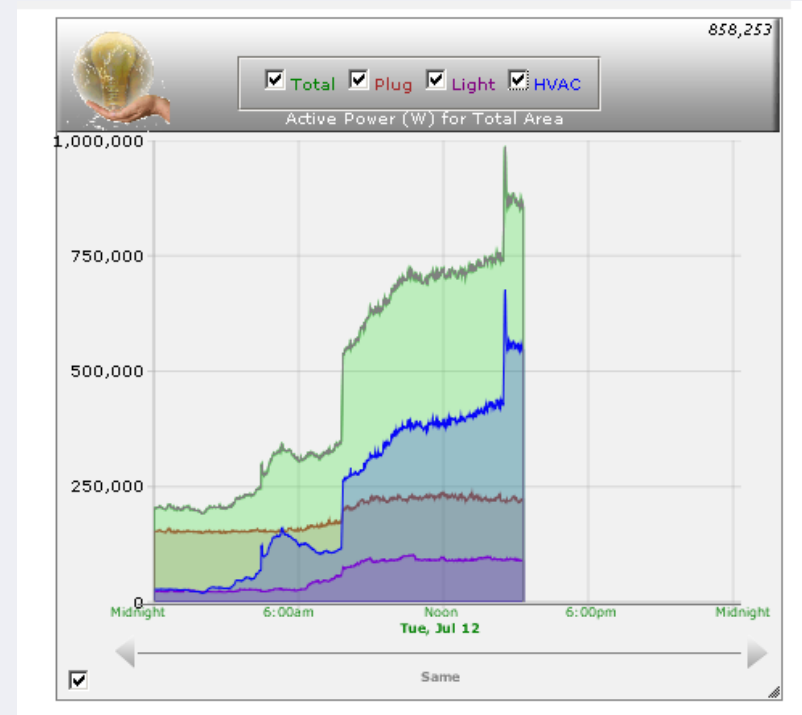
# Current Activities

## Smarte Building



- Real-time monitoring
- Sub-metering for floor areas
- Accessible to all AE employees

Used to increase awareness of energy reductions from load shedding events, more efficient IT assets, and personal office equipment restrictions







# Current Activities

## Hybrid Utility Trucks



- Hydraulics are battery operated
- Three bucket trucks and two heavy duty underground trucks
- Eaton electric hybrid power system – like the *Prius*
- Great for vehicles that travel short ranges with frequent start/stops and prolonged idling



# Current Activities Recycling



- Purchased Single stream recycling containers
- Increased awareness with signage and Safety meeting presentations
- Started cardboard recycling at service centers



*In addition to \$1 million  
annual revenue from existing  
AE recycling programs*





# FY2012 Activities

- Track energy use at facilities using EPA's *Energy Portfolio Manager*
- Decrease load from personal appliances and small electronics
- Join Austin Water's new *3C Business Challenge* for each AE-owned facility
- Work with Purchasing to develop *Green* purchasing guidelines
- Increase awareness of ACPP and other existing programs and policies



# Challenges

- Assigning roles for business case development and performance tracking
- Accurately calculating carbon footprint data
- Balancing GHG reductions and longer term benefits with current spending constraints



# Summary

- Focus on overall reductions in energy use, water use, fuel use, and waste through
  - Continued education and awareness
  - Coordination with other workgroups (Fleet, Demand Side Management, Purchasing)
- Increase use of data to measure and monitor GHG reductions