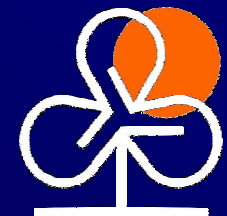


# Green Fleets Case Study: Ann Arbor, MI



**Responsible Purchasing Network  
Webcast**

**August 21, 2007**



Energy--Ann Arbor  
Putting It Together



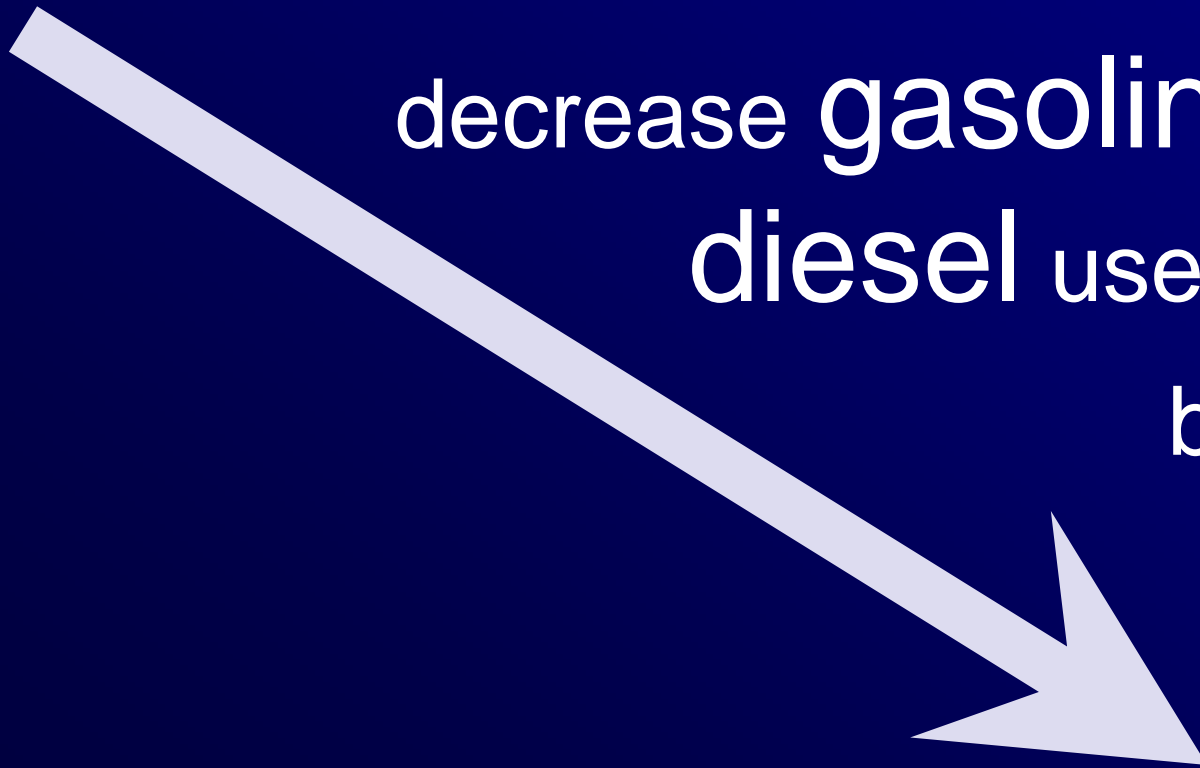
# Getting Started

- Organized stakeholders into a Green Fleets Team
- Developed policy – drawing on ICLEI model policy
- Collected data to establish baseline fuel use and fleet size



# Mission

decrease gasoline and  
diesel use 10%  
by 2012





# Goal

purchase the most cost-effective and  
lowest emission vehicle  
possible,  
while still meeting operational  
requirements



# Strategies

- Optimize fleet size
- Increase average fuel economy
- Minimize vehicle miles traveled
- Reduce vehicle size
- Purchase cleaner vehicles to reduce emissions



# Key Points

1. Green Fleets Team reviews purchase and operation of City vehicles and fuel-using equipment
2. 20% “green incentive” facilitates the purchase of “greener” vehicles



# Challenges

- Very few of available alternate-fuel vehicles meet our needs
- City departments lack funds to pay for the 20% “green incentive”



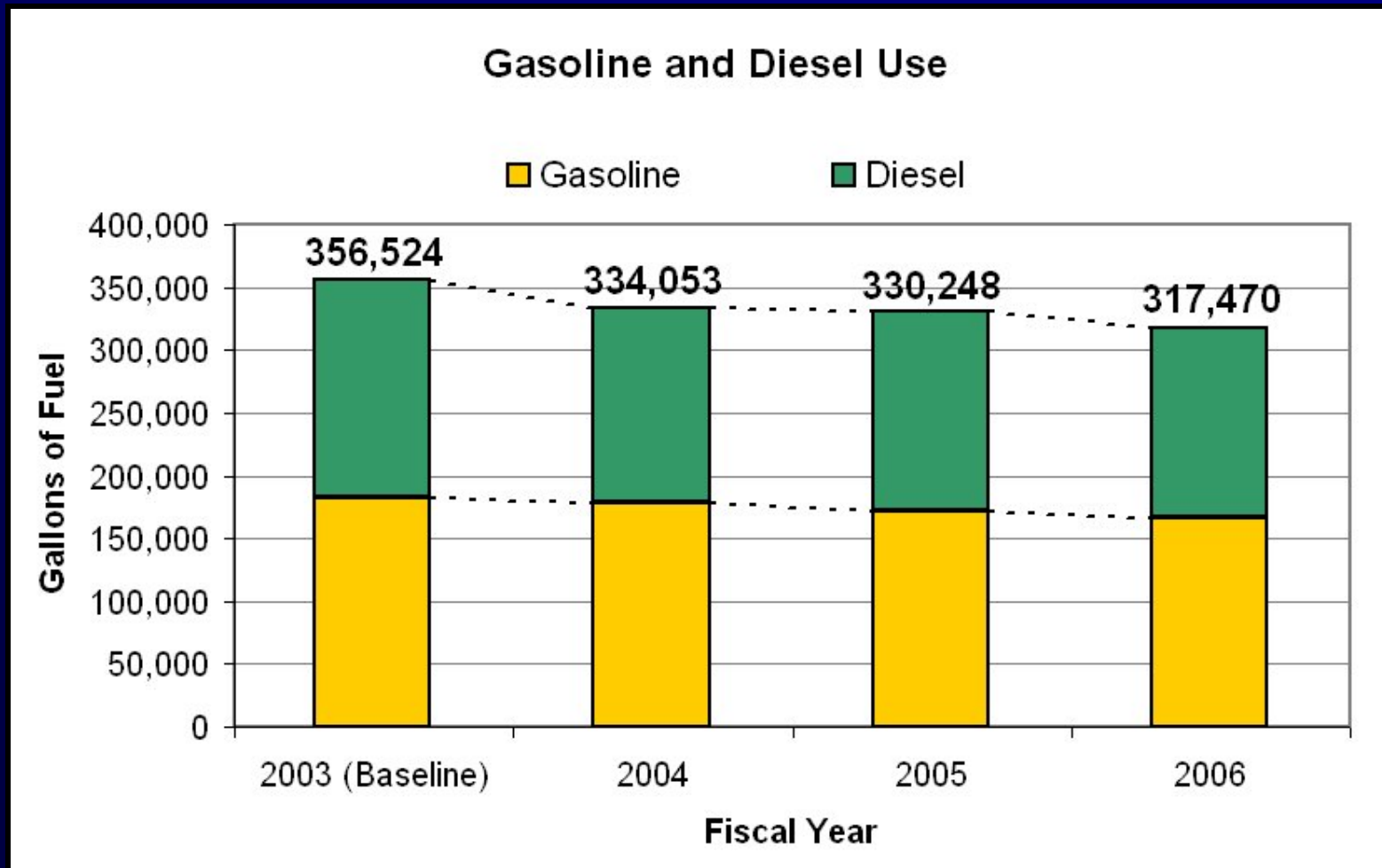
# Successes

- Reduced number of vehicles by 11%
- Using 50% biodiesel in summer and 20% in winter for all diesel vehicles
- Purchasing 10% ethanol blend for all gasoline vehicles



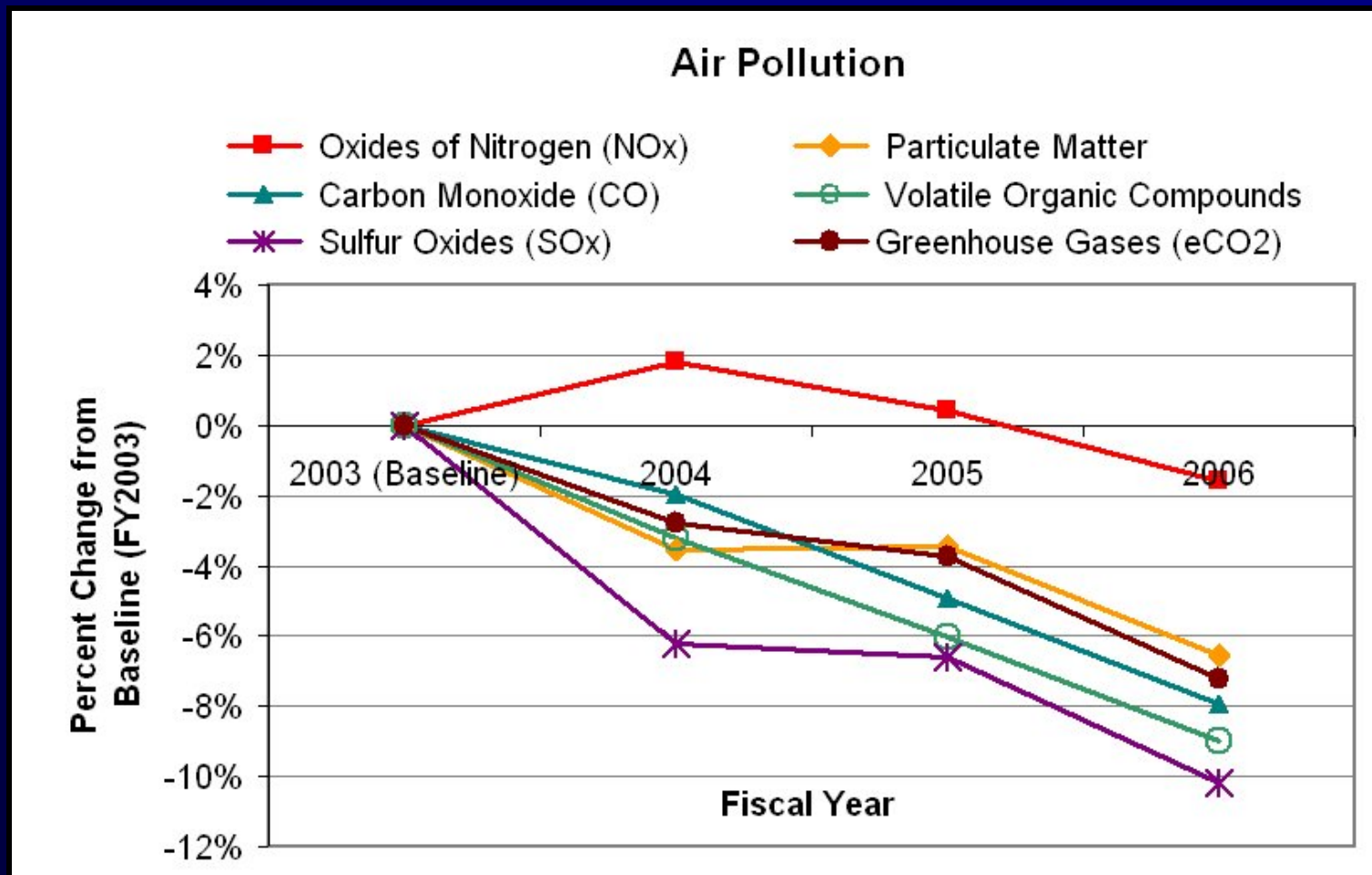


# Gasoline and Diesel ↓ 11%



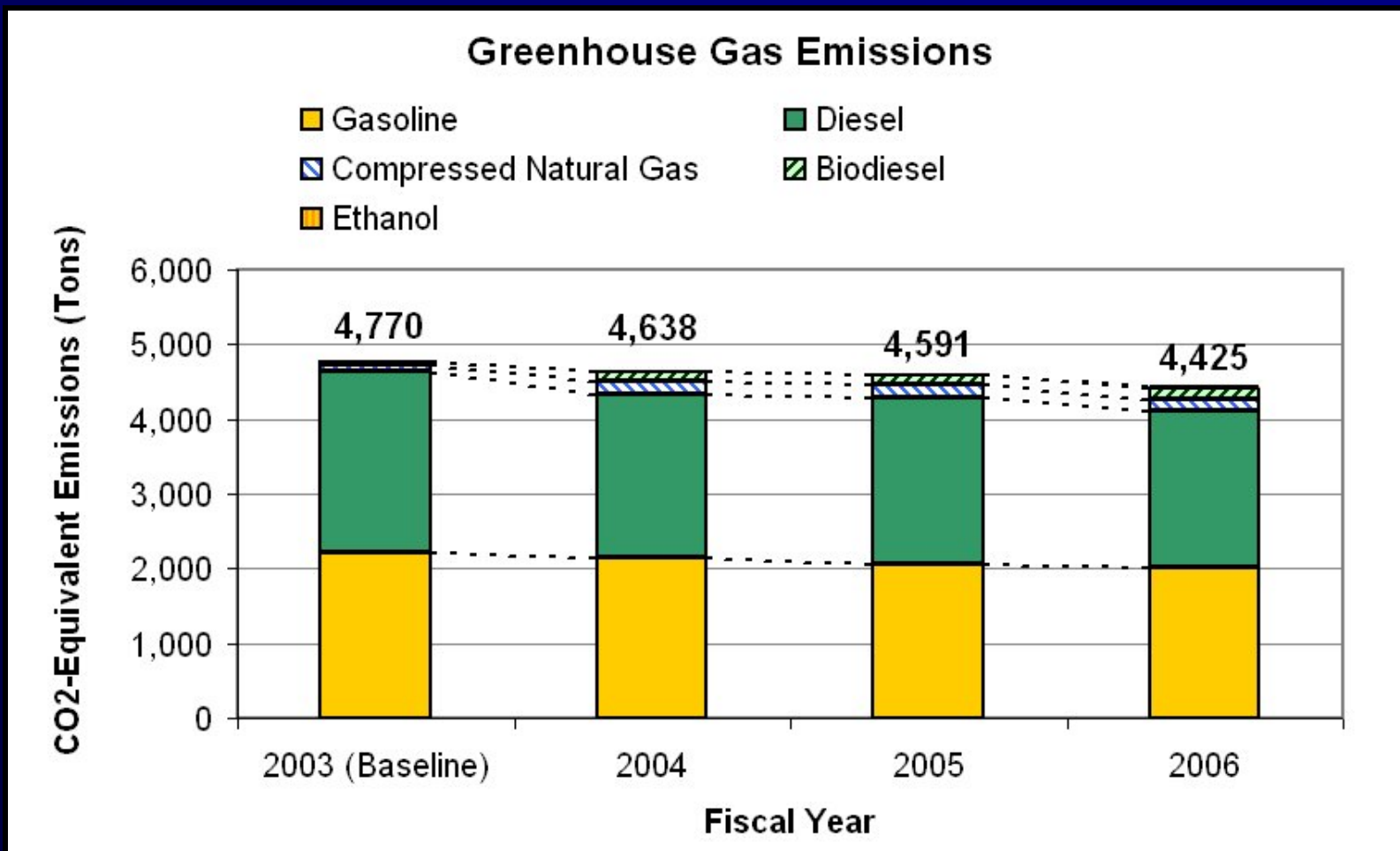


# Criteria Air Pollutants ↓





# Greenhouse Gas Emissions ↓ 7%





# More Information

[www.a2gov.org/energy/](http://www.a2gov.org/energy/)

The screenshot shows the City of Ann Arbor website's navigation menu at the top with options: government, services, news, contact us, living in, visiting, and working in. The main content area is titled "Systems Planning" and includes a breadcrumb trail: Home | City Directory | Systems Planning. Below this, there are links for "Energy Office", "Energy Commission", and "Green Fleets Program". The "Green Fleets Program" section has an "Overview" and a "Background and Summary" section. The overview states that the program, begun in 2004, aims to reduce the city's fuel use by 10% in ten years through the purchase of fuel-efficient and alternative fuel vehicles. The background and summary section describes the process of creating the policy, including gathering information from other US cities and examining various factors like fuel efficiency, emissions, and purchase price. On the right side of the page, there is a photo of people at an outdoor market and a section for "Annual Reports" with links to "Green Fleets Policy", "2005 Green Fleets Report", and "2006 Green Fleets Report". A note indicates that these documents are in PDF format.

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**Systems Planning**

[Energy Office](#) | [Energy Commission](#) | [Green Fleets Program](#)

## Green Fleets Program

### Overview

Ann Arbor's Green Fleets program, begun in 2004, was inspired by the national [Green Fleets](#) program (an initiative of the U.S. Cities for Climate Protection) and aims to **reduce the City's fuel use by 10% in ten years** through the purchase of fuel efficient and alternative fuel vehicles. Ann Arbor currently operates two natural gas [heavy-duty trucks](#), sixteen other natural gas vehicles, two neighborhood electric vehicles, over 150 pieces of equipment running on biodiesel and its first fuel cell car.

### Background and Summary

The Green Fleets Policy Team worked together for over a year to create this policy. The process included gathering information and policies from other US cities that are operating or creating similar programs. A database was prepared containing all vehicles and fuel-using equipment owned by the City to learn how and where fuel is used in City operations. Vehicles, equipment, and procedures were then examined to determine where opportunities for increased fuel efficiency, reduced emissions or the use of alternative fuels were possible. Fuel efficiency, emissions ratings and purchase price of possible replacement vehicles were all examined to determine the level of improvement possible and increased funds required. Based upon this real world assessment of city options and resources, the Green Fleets Policy Team recommended:

**Annual Reports**

[Green Fleets Policy](#)

[2005 Green Fleets Report](#)

[2006 Green Fleets Report](#)

The above documents are in [PDF](#) format.