

Guidance for Greening Your Fleet

**Mark Brady, Director
Puget Sound Clean Cities Coalition**

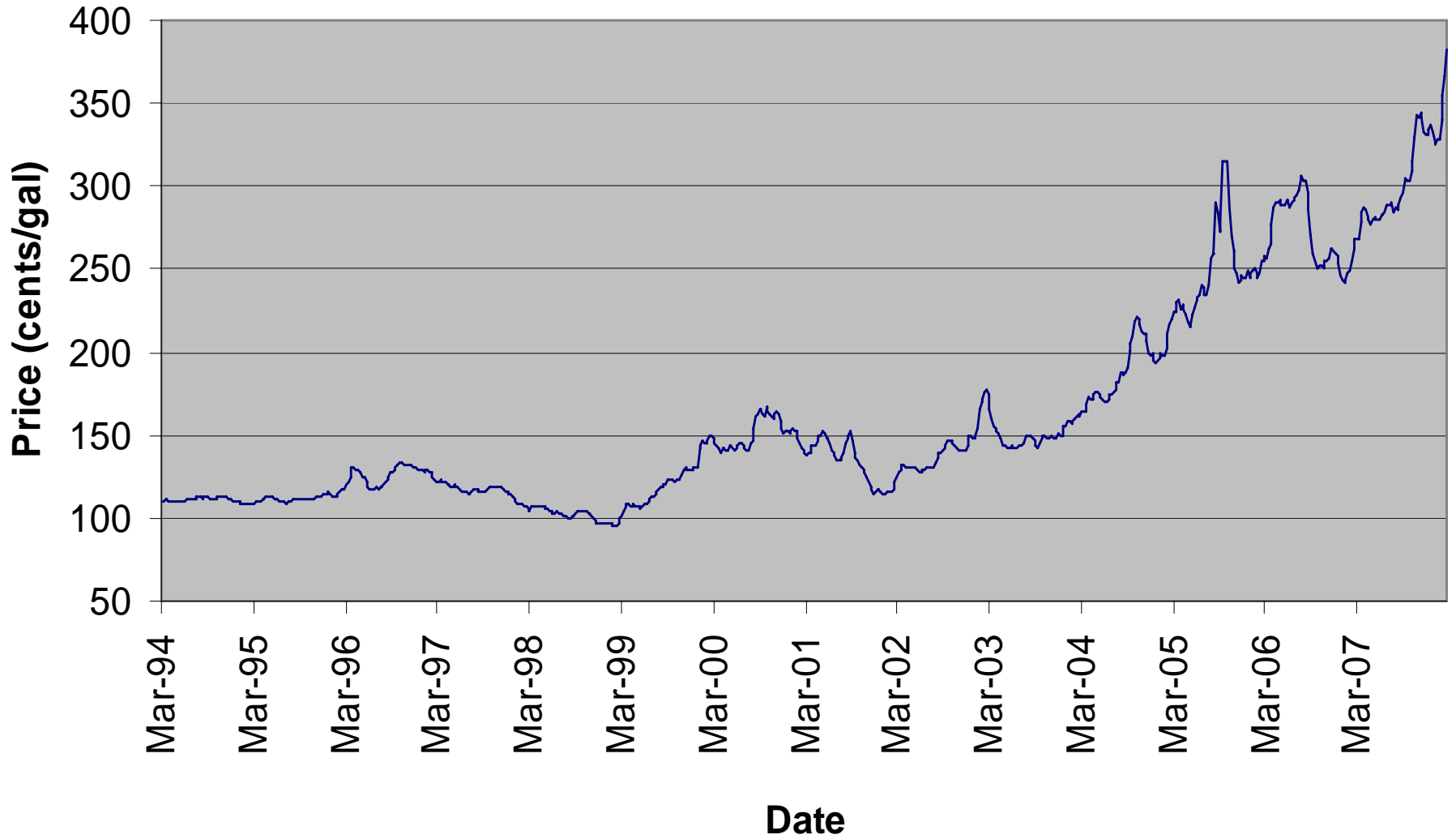


What I plan to cover

- Why green your fleet?
- Brief overview of the Guide to Green Fleet Management
- Green Fleet Website
- Regional initiative
- Questions



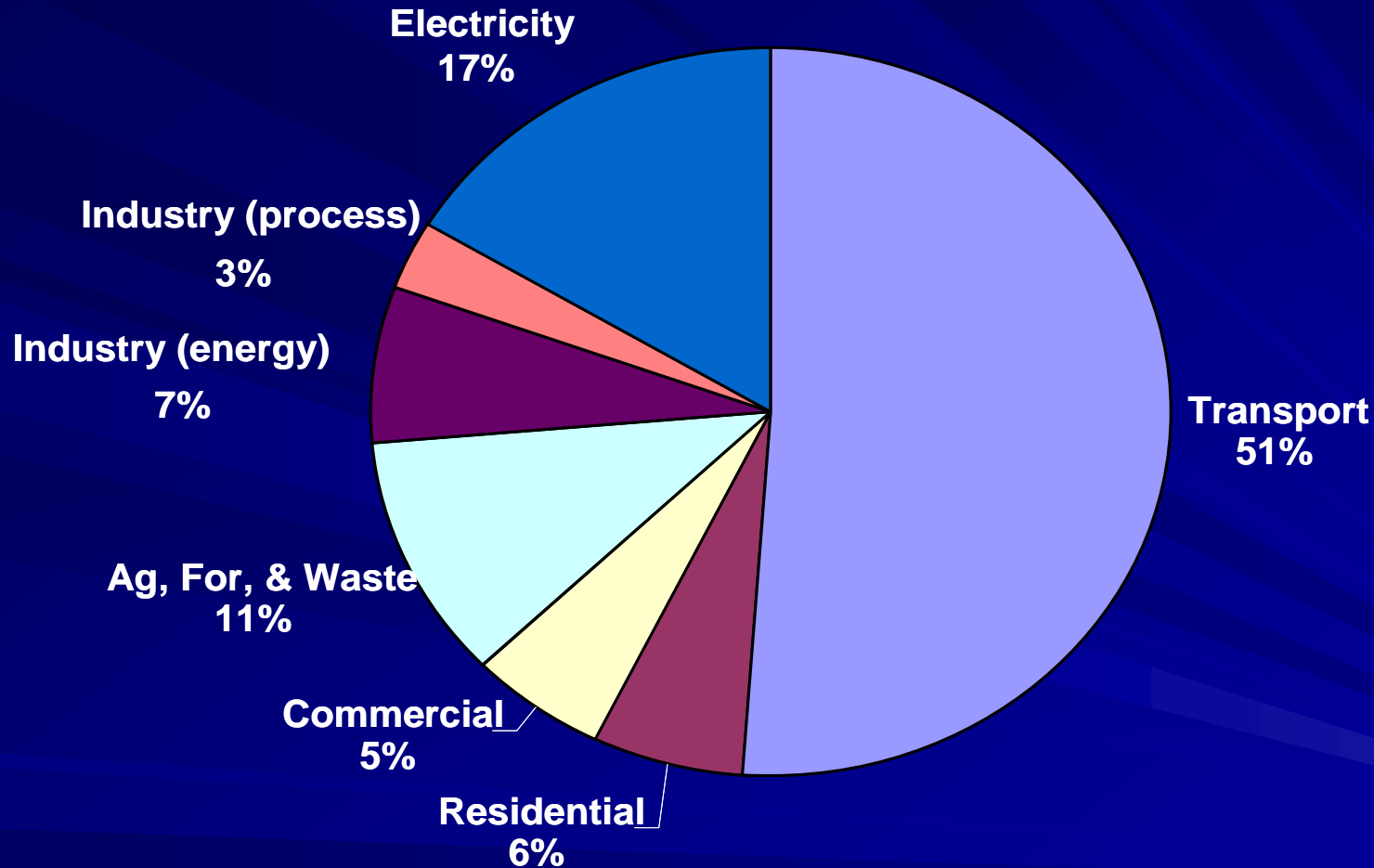
Diesel Retail Price



Greenhouse Gases

- Increasing point of focus at many levels
- Aggressive targets for our local governments and communities
 - US Cool Counties Agreement
 - US Mayor's Climate Agreement
 - Washington State Legislature and Governor Executive Order Commitments
 - Regional groups
- Plus, increased consumer awareness

2002 Greenhouse Gas Emissions for the Puget Sound Region



Transportation comprises over 50% of the GHGs in the Puget Sound region

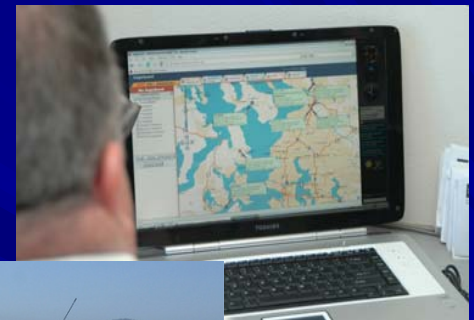
What now?



- Transportation is a problem so what do we do about it?
- PSCCC and PSCAA decided to focus on fleets and start with public fleets
- Provide fleet managers with the support they need to implement green fleet measures
- Green Fleet Management Guide developed with input from area fleet managers

Guide Structure

- Section on each of nine steps
- Workbook style – explains each step then walks you through the process to get you started
- Checklist of steps
- Section on green fleet practices
 - change your vehicles
 - change your fuel(s)
 - increase your efficiency
 - decrease your utilization
- Web-links are included throughout



Green Fleet Guide Approach

- The guide does **NOT** present a one-size-fits-all approach.
- It's designed to be flexible and neutral – different approaches will work better for different fleets.
- Guide includes comparison tools, worksheets and references to help you decide what's best for your fleet.



Steps in the Process

1. Identify who will work on the green fleet effort.
2. Determine why you are greening your fleet.
3. Decide if you need a green fleet policy. If so, develop the policy.
4. Find out where you are and how you might improve.
5. Research and evaluate options.



Steps in the Process (cont.)

6. Set goals.

7. Develop and execute an implementation plan for each goal.

8. Compile materials into a Green Fleet Plan document, if desired.

9. Revisit Green Fleet Plan, particularly your goals, periodically.



Green Fleet Guide

- Probably sounds like a lot of steps but it really isn't as bad as it may seem.
- The steps guide you through the process.
- They help you be efficient and catch things before they might be problems.
- Some steps will likely not be necessary for some fleets.



Green Fleet Website

www.psgreenfleets.org

- Realized the guide was well suited to the web
- Included the full guide with active links and more online resources
- Emissions calculator
 - Baseline GHG emissions
 - Effects of various green fleet actions on GHG emissions

Puget Sound Green Fleets Guide
PSGREENFLEETS.ORG

Home Calculate Emissions Reduction Strategies Supporting Information About Green Fleets Contact Us

you are here: [home](#)

Welcome

Motor vehicle fleets may represent your organization's largest and most visible environmental impact. "Greening" your vehicle fleet minimizes environmental impacts and can reduce your costs significantly.

Our program provides fleet managers with tools to help "green" public and private fleets, and reduce pollution, protect our climate and save money. This step-by-step guide can identify the most effective ways to go green, whether it's buying greener vehicles, switching to greener fuels, or improving fleet efficiency.

We regularly update this site, so check back for the latest technologies and ideas.

START GREENING YOUR FLEET >>

Emissions Calculator

Find your Fleet's Emissions:

By Fuel Amount **By Fuel Cost**

Gas Used: [gallons / year]

Diesel Used:

Find Out Now!

News and Events

- Clean Vehicles Now! Conference - September 19, 2007

Reduction Strategies

- Develop a Plan
- Change Vehicles
- Change Fuels
- Reduce Fuel Use
- Reduce Vehicle Miles Traveled
- Retrofits

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Suggestion Box

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pscleanair.org
Puget Sound Clean Air Agency

Clean Cities
Partners for a Greener Future

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Estimate by vehicle type and size

Step 2: Enter your fleet vehicle characteristics

Gasoline Cars

	Quantity (vehicles)	Average Miles (miles/year/vehicle)	Average Mileage (miles/gal)
Small	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="25.0"/>
Midsize	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="22.5"/>
Large	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="22.5"/>

Gasoline Vans

	Quantity (vehicles)	Average Miles (miles/year/vehicle)	Average Mileage (miles/gal)
Light	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="20.0"/>
Heavy	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="15.0"/>

Gasoline Trucks

	Quantity (vehicles)	Average Miles (miles/year/vehicle)	Average Mileage (miles/gal)
Pick-up	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="17.5"/>
Full Size SUV	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="17.5"/>
Large (>10,000 lbs.)	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="5.0"/>

Diesel Trucks

	Quantity (vehicles)	Average Miles (miles/year/vehicle)	Average Mileage (miles/gal)
Small (<10,000 lbs.)	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="7.5"/>
Large (>10,000 lbs.)	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="5.0"/>

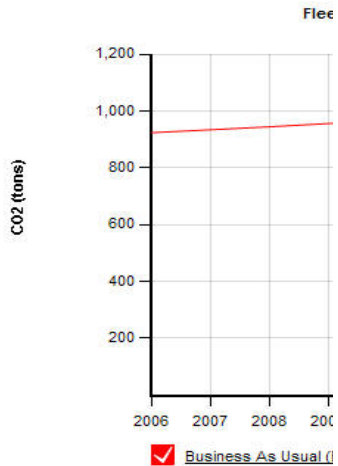
Hybrid

	Quantity (vehicles)	Average Miles (miles/year/vehicle)	Average Mileage (miles/gal)
Prius	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="45.0"/>
Civic	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="40.0"/>
Camry	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="35.0"/>
Escape	<input type="text" value="20"/>	<input type="text" value="15000"/>	<input type="text" value="30.0"/>

you are here: [home](#) → calculate emissions

Calculate Your Fleet's Emissions

Step 3: Your fleet's Business as Usual (BAU) Emissions



Total CO2 (tons)

All Vehicles 923

[Click here](#) for a description of our calculations and references.

Choose a reduction strategy *

1) Increase average fuel efficiency of your entire fleet by %

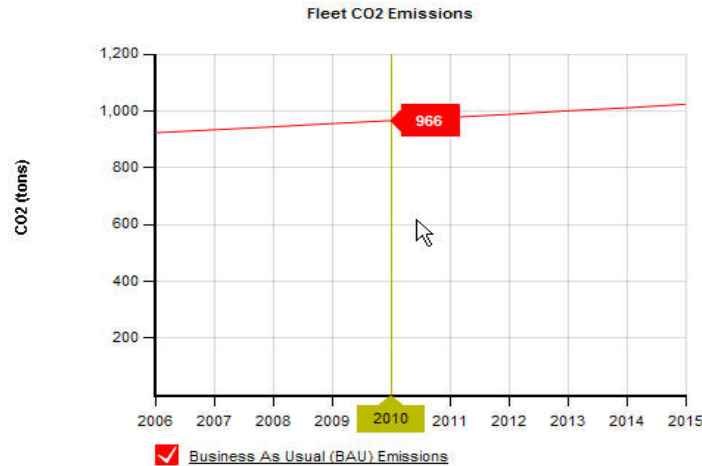
[more info](#)

2) Replace all compact and midsize sedans with hybrid vehicles, the Prius and hybrid Camry, respectively.

[more info](#)

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[more info](#)

[go to the next step](#)

all diesel fuel with B99 biodiesel



CO2 (tons)	Percent Reduction
966	27.7%
966	27.7%
966	27.7%
966	27.7%

[see how it works *](#)

Phase II and Beyond

- Plan to expand capabilities of website
- Integrating it with a regional green fleet project – Puget Sound Green Fleets Initiative
- Take the guide to private sector fleets
- Keep the guide up-to-date



Puget Sound Green Fleets Initiative

- Partnership of ~35 local & state agencies
- Aims
 - reduce GHGs from fleet operations
 - serve as an example for citizenry, other jurisdictions and private fleets
 - build on early experiences and expertise of member jurisdictions



Puget Sound Green Fleets Initiative

Near-term goal – Work collaboratively on three key things:

- Tracking and sharing information on fleet performance
- Identification of green fleet best practices
- Develop and endorse a green fleet rating system

Long-term goal – Create more demand for green transportation options:

- Engage private fleets in adopting green fleet standard and principles
- Engage residents in choosing greener vehicles and more efficient modes of transportation

Summary

- Green Fleet Management Guide
- Green Fleet Website
- Regional Initiative
- If interested in these issues, contact me for further information, particularly on a meeting in June



Questions/ Comments??

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www.pugetsoundcleancities.org

www.psgreenfleets.org

