

2012 National Equipment Fleet Management Conference



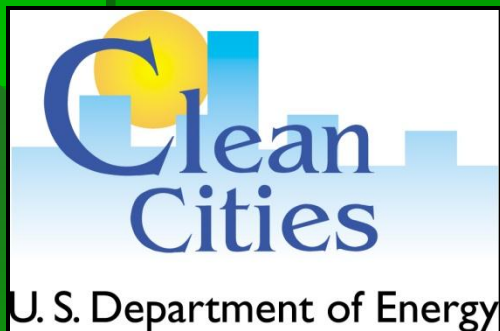
Mark Bentley
Executive Director

June 26, 2012



A Designated Clean Cities Coalition Serving Alabama

Clean Cities is a Public-Private Partnership designed to reduce petroleum consumption in the transportation sector



Almost 100 Coalitions in the U.S. – Partner with your local Coalition!

Our Objective Today

- To Provide an overview of the Alternative and Advanced Technology Fuels and Vehicles available Today than can help us reduce our dependence on foreign petroleum!



The New Math

■ **>25%**

Of World's Petroleum is consumed by the US

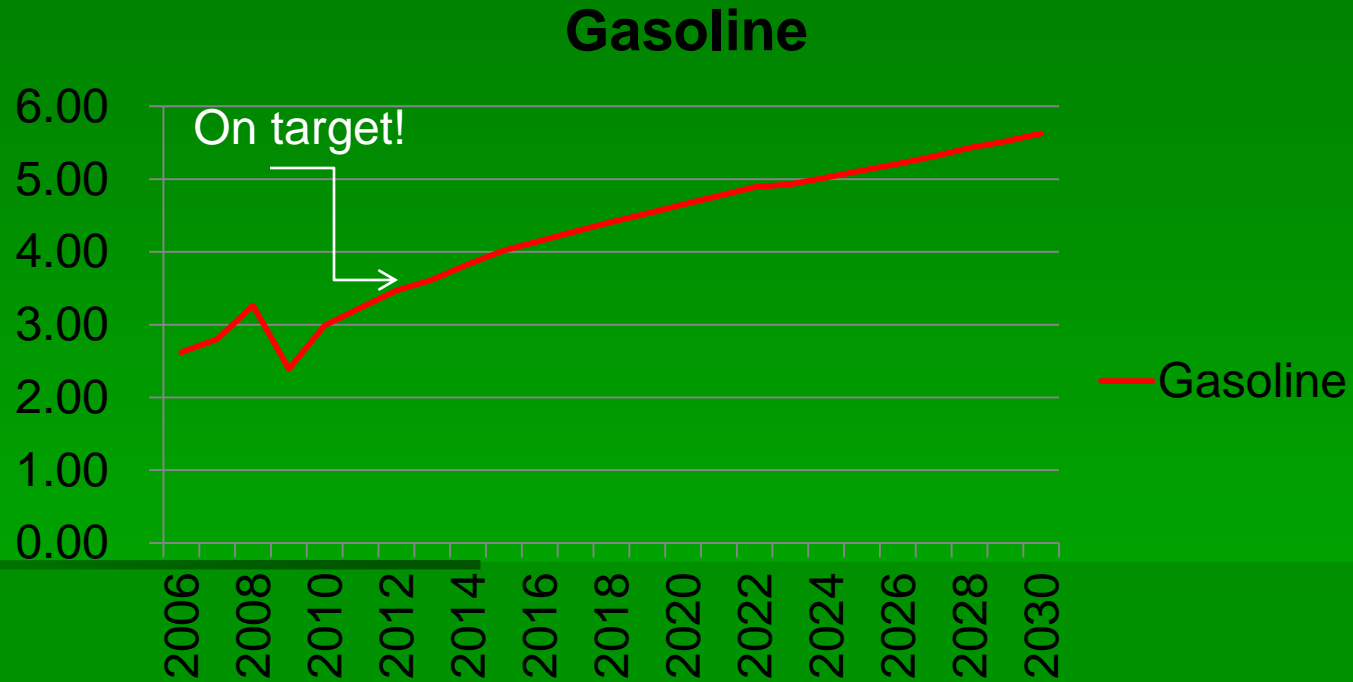
■ **<5%**

- The US represents less than 5% of world's population

■ **\$1,000,000,000**

- More than a Billion Dollars a day leaves the US to pay for petroleum

What Percentage of Your Budget is Related to Fuel Costs?



Source: US Energy Information Administration - petroleum is forecasted to increase in the coming years; fleets using alternative fuels will have a competitive advantage over those using gasoline.



Member Benefits

- **Clearing House for information**
- **Training and Educational Outreach**
- **Infrastructure Assistance**
- **Public Policy**

Alternative Fuels

The 1992 Energy Policy Act Specified Alternative Fuels to help the US reduce dependence on foreign oil

- E85 Ethanol
- Biodiesel
- Electricity
- Propane
- Natural Gas (CNG & LNG)
- Hydrogen

Clean Fuels, Clean Air, Clean Cities®

BENEFITS OF ALTERNATIVE FUELS

1. Energy Security – Lessens dependence on Foreign Oil

- does anyone believe we will see \$1.50 gas again?

2. Economic Development – New Jobs and Economic Activity in Alabama

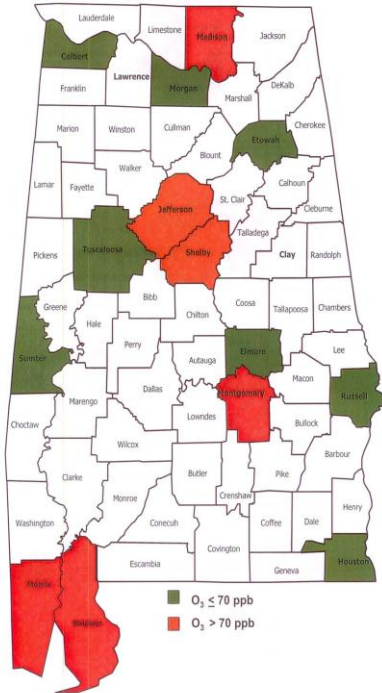
3. Environmental – Improved Air Quality

- What does it matter?

Proposed EPA Ozone Standards

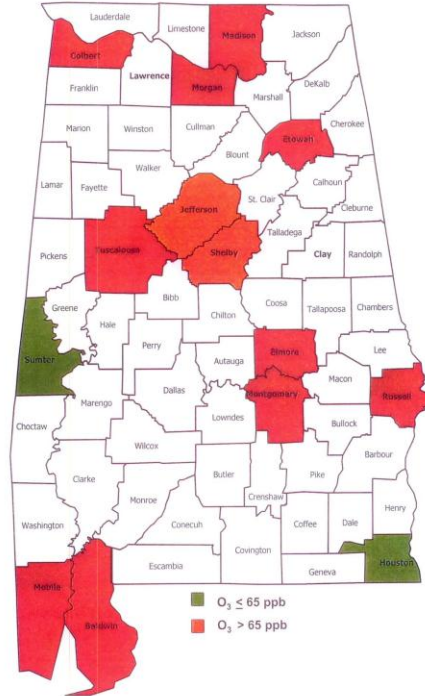
Move to proposed currently suspended by Obama Administrations

Counties Over an 8-Hour Ozone NAAQS of 70 ppb
2007-2009



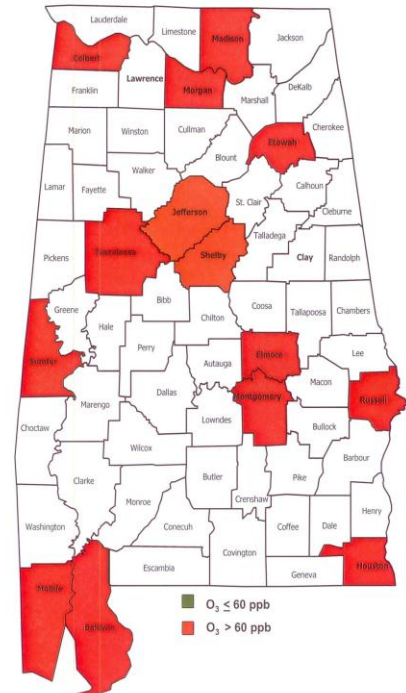
70 PPB

Counties Over an 8-Hour Ozone NAAQS of 65 ppb
2007-2009



65 PPB

Counties Over an 8-Hour Ozone NAAQS of 60 ppb
2007-2009



60 PPB

Current Standard Is 75 PPB – Jefferson /Shelby Counties

Recent & Ongoing Projects

- I-65 Clean Corridor
- Compelling Case for NGV's
- City of Birmingham E85 Ethanol Project
- Odyssey Day 2010
- NGA E85 Pump Partnership
- Propane Road Shows
- 3 USB Biodiesel Workshops & 3 Webinars
- April 27th & May 26th Mobile and Florence AL **Biofuels...Moving Alabama Forward** Workshops
- RFA Alternative Fuels Workshop
- Plug-In-Alabama Readiness Kick-Off – Dec. 1, 2010



I-65 Clean Corridor

E85 & Biodiesel Pumps in Alabama

AMERICA'S FIRST
BIOFUELS CORRIDOR



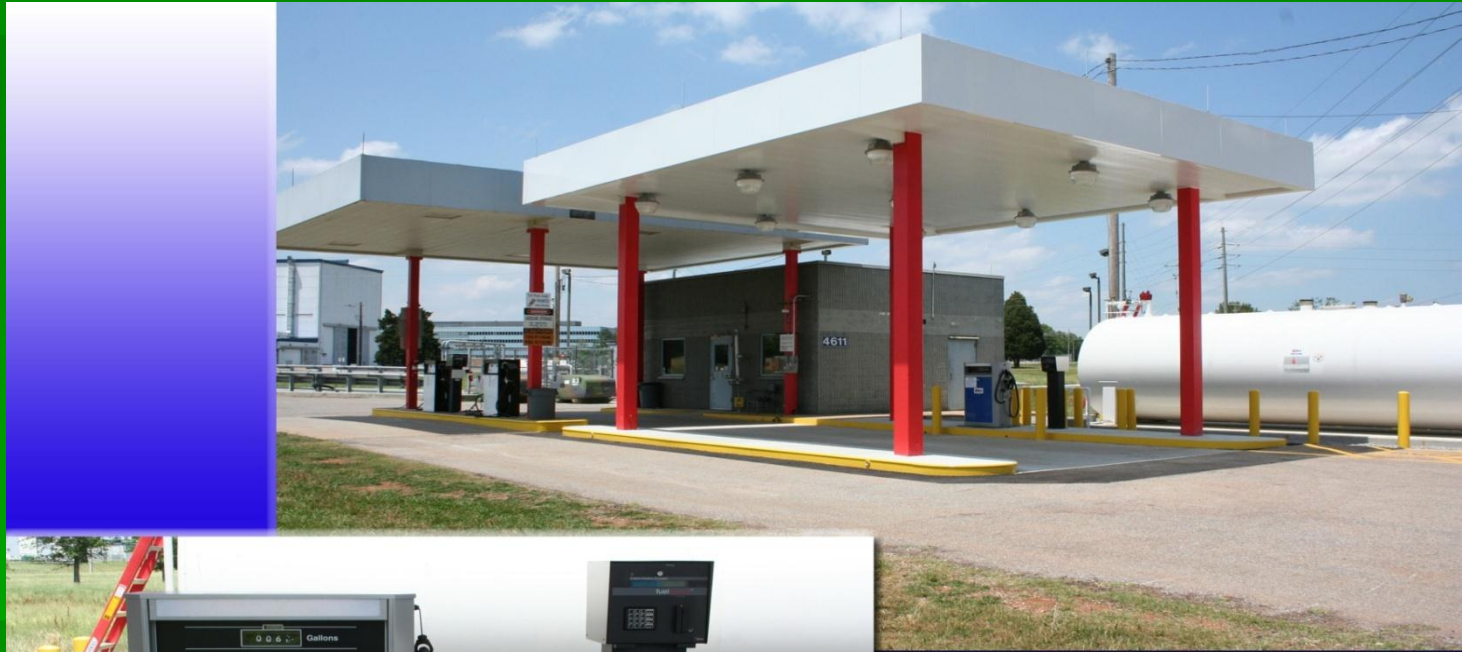
Over 2
million
gallons

AMERICA'S FIRST
BIOFUELS CORRIDOR



Providing Public Access to Alternative Fuels from Lake Michigan to the Gulf!

Marshall Space Flight Center Now Fuels with E85



Alabama Department of Transportation



Birmingham Opens Two E85 Locations to Fuel City FFV's

August 2011 – Ground Breaking Press Conference



Ground breaking at City Southside fueling location – Bob Rainey, (Birmingham Fleet), Mayor Bell and Phillip Wiedmeyer (ACFC)

Fast Forward to June 2012



Southside and North Birmingham locations are completed and fueling city FFV vehicles with E85

E 85 Ethanol

Hoover's Fleet Experience

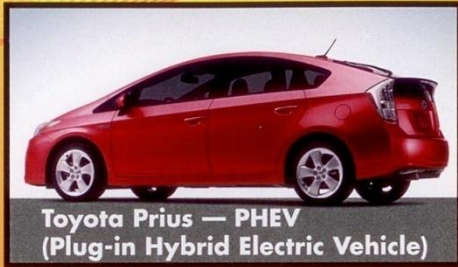
- 212 Fleet Pickups, Sedans, SUV's
- > 19.5 Million Miles traveled using E-85 ethanol
- > 1.363 Million gallons of E-85 used
- > 1.159 Million fewer gallons of foreign oil used!
- Over 5,000 Tons of CO₂ NOT emitted-!
- 88% of All Hoover Vehicles use Alternative Fuels



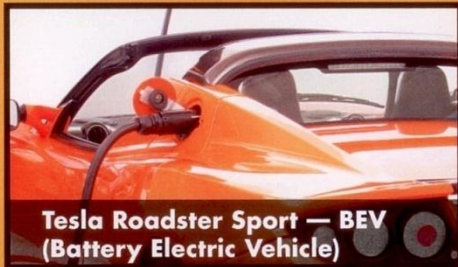
*Refueling with E85
in Hoover* →



Electricity



Toyota Prius — PHEV
(Plug-in Hybrid Electric Vehicle)



Tesla Roadster Sport — BEV
(Battery Electric Vehicle)



Chevy Volt — EREV
(Extended Range Electric Vehicle)



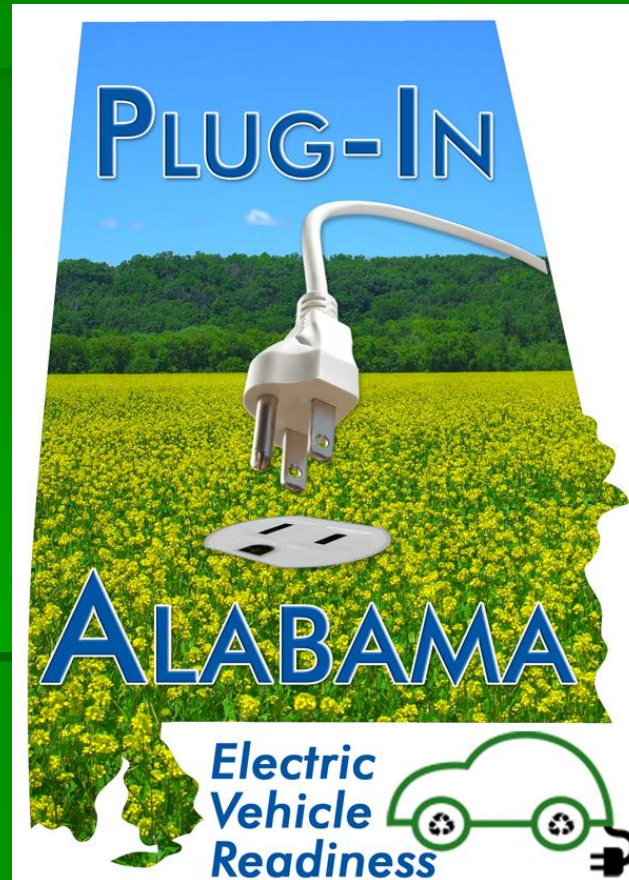
Your Savings Add Up Using Electricity!

Plug In Electric Vehicles

PHEVs



130 Attended

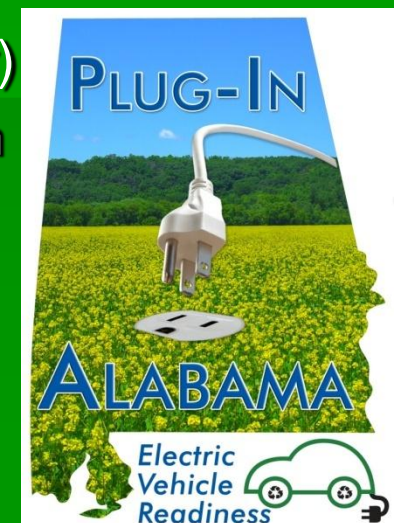
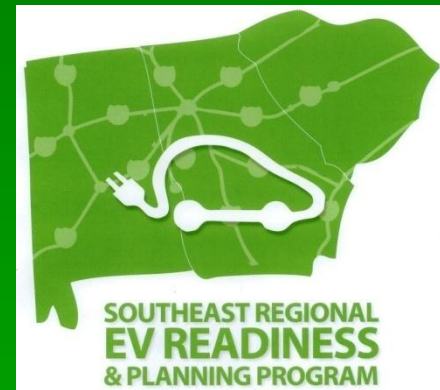


Ride and Drives

**Dec. 1st, 2010 - EV Readiness Kick-Off Event
Prattville, Alabama**

ACFC Receives EV Planning Award

- DOE Clean Cities Community Readiness & Planning for Plug-In Electric Vehicles and Charging Infrastructure Grant
- Project Team
 - City of Atlanta
 - Atlanta Clean Cities
 - Clean Cities Middle Georgia
 - Alabama Clean Fuels Coalition
 - Southern Company (Alabama Power & Georgia Power)
 - Regional Planning Commission of Greater Birmingham
 - Tennessee Valley Authority (TVA)
 - Oglethorpe Power
 - Palmetto Clean Cities (SC)



Lawson State – A Great State Resource!



Technician and Mechanic Alt Fuel Training is Available at Alabama's only National Alternative Fuel Training Consortium's (NAFTC) Training Facility.....Electric, CNG, Propane, Ethanol and Biodiesel training courses to prepare for the growth of Alternative Fuel and Advanced Technology Vehicle availability in Alabama.

Biodiesel



Any Diesel Vehicle Can Use Biodiesel!

Biodiesel Video



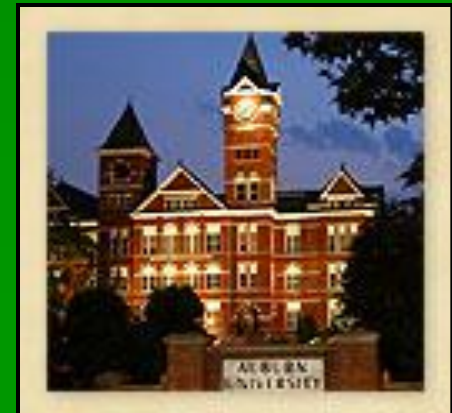
- Professionally produced by Alabama Farmers Federation
- Biodiesel use in 3 Alabama organizations
 - Municipality – Hoover
 - Schools System – Brewton
 - **Utility – Alabama Power**

- 10 minute movie – all segments
- 3 shorter segments
- View at [www.Clean Cities.TV](http://www.CleanCities.TV) and on YouTube!



WVO to Biodiesel Programs In Alabama.....\$1 per Gallon!

- Daphne Utilities
- City of Hoover
- City of Gadsden
- Auburn University
- ADAI & the City of Montgomery
- City of Andalusia
- Henry County
- Calhoun County
- City of Enterprise
- Alabama Institute for Deaf and Blind
- Plus other private organizations



New CNG Initiatives



East Central Alabama Gas District (Ashland) building private and public access CNG station to serve surrounding areas.

Alagasco has partnered with the City Action Partnership on a natural gas vehicle for CAP's fleet.



Trussville is using CNG and installing Public-Private infrastructure

Birmingham Jefferson County Transit Authority

53 Clean Energy CNG Buses

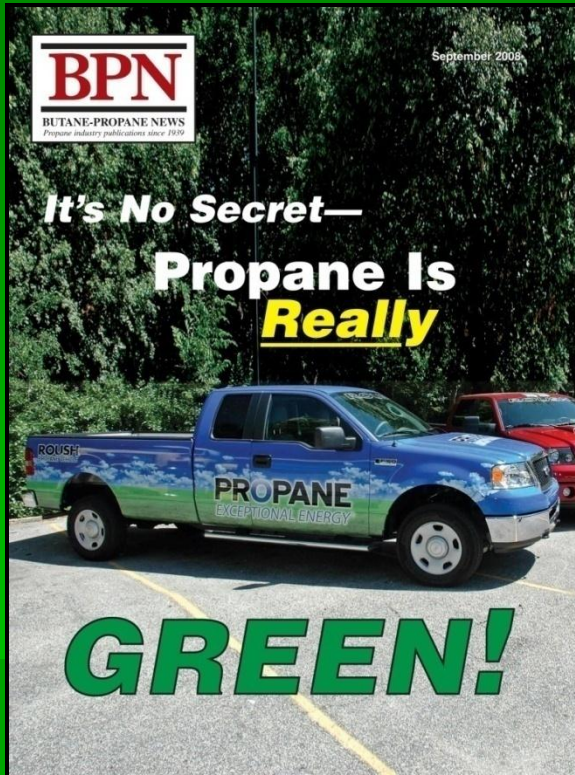
**2011: Added 12 New CNG Buses & 30 CNG
Paratransit Vehicles**



In 2011 BJCTA Public/Private Station pumped over 1,000,000 GGE's of CNG

Propane

an Exceptional Alternative Fuel



In 2011 Vestavia Hills converted 14 police cars to bi-fuel Propane Autogas and gas! The City will save approximately \$25,000 + in fuel costs in 2012

Save Fleet Fuel \$\$\$\$

Utilizing safe and clean Propane AutoGas

JUNE 21ST PROPANE ROADSHOW



Are these the stations of the Future in Alabama?



We Hope So!

And with your help it will happen!



For more information please view our website

www.AlabamaCleanFuels.org

email

Mark@AlabamaCleanFuels.org