



Electric Vehicles: Is Kentucky Ready to Run?

Churchill Downs, Louisville, KY
October 21, 2011

Mark Smith
U.S. Department of Energy
Mark.smith@ee.doe.gov
202-287-5151

Mission

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum consumption in the transportation sector.

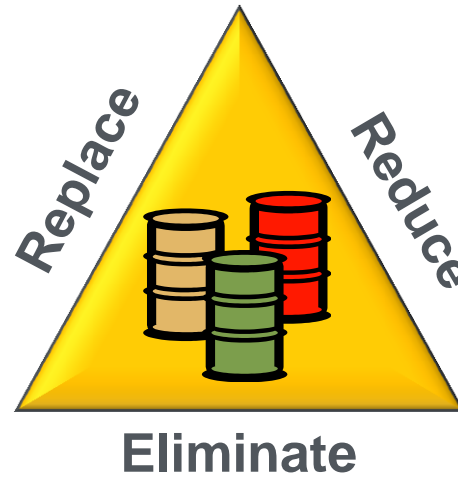
- Sponsored by the DOE's Office of Energy Efficiency and Renewable Energy's Vehicle Technologies Program
- Provides a framework for businesses and governments to work together as a coalition to enhance markets
- Coordinate activities, identify mutual interests, develop regional economic opportunities, and improve air quality

Alternative Fuels

Electric Vehicles
Biodiesel
Ethanol
Hydrogen
Propane
Natural Gas

Idle Reduction

Heavy-Duty Trucks
School & Transit Buses
Light-Duty Vehicles



Fuel Economy

More Fuel efficient vehicles,
adopting smarter driving and
vehicle purchasing habits

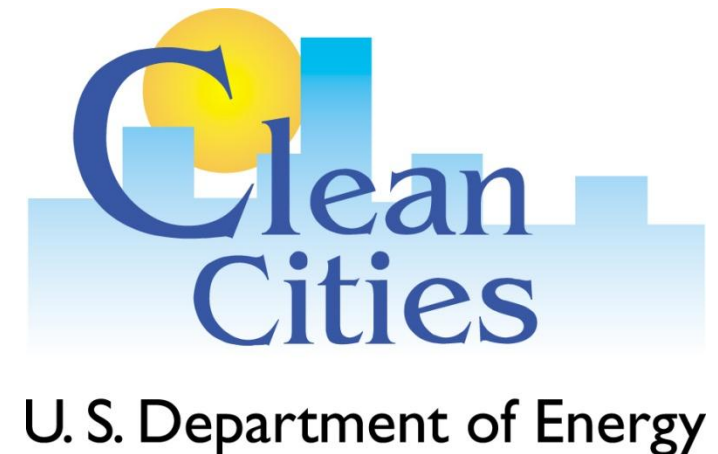
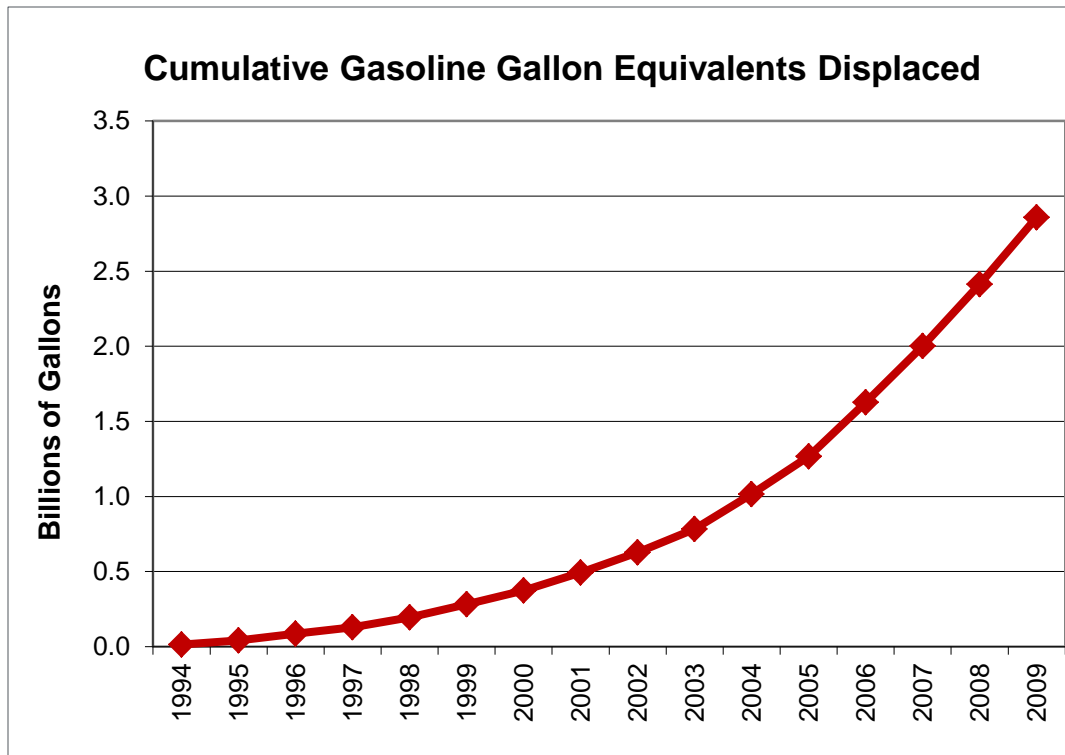


Hybrids

Light- and heavy-duty
Electric hybrids
Plug-In hybrids
Hydraulic hybrids

Nearly 3 Billion Gallons of Petroleum Reduction since 1993

- Long term goal of 2.5B gal/year by 2020



Congratulations to Melissa Howell!



Melissa Howell
Kentucky Clean Fuels Coalition
502-452-9152
kycleanfuels@insightbb.com



President highlights National Clean Fleets Partnerships as part of his goal of reducing America's imported oil



President calls out goal of 1 million PHEVs on the road by 2015 in State of the Union address



Vice President Biden announces \$200M for community infrastructure project



- EV Deployment Case Studies
- EV Readiness Scorecard
- Plug-In Vehicle Handbooks
- Alternative Fueling Station Locator
- GeoEVSE Forum
- Community Readiness Project Awards



Alternative Fuels & Advanced Vehicles Data Center

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Plug-In Electric Vehicle Deployment Case Studies


Preparing for widespread adoption of electric vehicles, cities and other local leaders are working to speed the process to install home-based electric vehicle supply equipment (EVSE) for plug-in hybrid electric vehicles (PHEVs) and all-electric vehicles (EVs). Some U.S. cities are cutting the time needed to install and permit [home charging](#) stations down to one or two days. The following case studies focus on what four leading areas are doing to trim the EVSE permitting and installation process.




Oregon ▶
Oregon's statewide process speeds simple EVSE installations by enabling licensed electricians to buy permitting "labels" online and inspecting only one out of ten EVSE installations.



Raleigh ▶
With one-hour permitting and next-day inspections, Raleigh's process for a simple EVSE project can be completed in as few as two days.



Los Angeles ▶
Los Angeles issues automatic online permits for simple EVSE and guarantees inspections



Houston ▶
Houston's automatic online permitting and pilot rapid-inspection program enable EVSE

www.afdc.energy.gov/afdc/vehicles/electric_deployment_case_studies.html

Primary Goals

- Assess progress toward a community's readiness to host EVs efficiently
- Facilitate progress for communities, EV owners, EVSE users/managers

Translate Readiness Into Numeric Data Across Weighted Categories

- Rebates and refunds
- EVSE density
- Number of trained installers
- Time to acquire permit
- Number of dealerships



Stand-Alone Guides for Four Audiences

- Consumers
(available now)
- Fleet Managers
(coming in November)
- Station Owners
(coming in December)
- Electrical Contractors
(coming in December)



Alternative Fueling Station Locator



Alternative Fueling Station Locator
Help >

Basic Station Search | Map a Route | Stations by State

First: Select one or more fuels.

- Biodiesel (B20 and above)
- Compressed Natural Gas (CNG)
- Electric
- Ethanol (E85)
- Hydrogen
- Liquefied Natural Gas (LNG)
- Liquefied Petroleum Gas (Propane)

Second: Enter a complete address or zip code.

Show stations within a mile radius.

Show station type:
 Level 1 Level 2 DC Fast Legacy

[Advanced Options](#)

Get Results

Results 1 to 6 of 6

A **Linn Benton Community College**
Electric
Ellingson Rd SW
Albany OR 97321
Type: Level 2, DC Fast
Phone: 408 370-3802
Distance: 6.2 Miles
Access: Public - see hours

B **Linn Benton Community College**
Electric
Ellingson Rd SW
Albany OR 97321
Type: Level 2
Phone: 408 370-3802
Distance: 6.2 Miles
Access: Public - see hours

C **City of Corvallis - Elements Building**
Electric
Type: Level 1, Level 2, DC Fast
517 SW 2nd St
Corvallis OR 97333
Distance: 13.5 Miles
Access: Public - see hours



www.afdc.energy.gov/afdc/locator/stations

Government-industry collaboration committed to establishing a repository of public EVSE location data for consumers and industry.

Goals:

- Avoid duplication of data collection efforts for EVSE locations
- Ensure that DOE continues to collect and provide the most comprehensive collection of EVSE location data
- Strengthen relationships and improve communication with new industry stakeholders

Partners include:

- Best Buy, GM, TomTom, Ford, MapQuest



Mark S. Smith

Vehicle Technologies Deployment Manager

U.S. Department of Energy (EE-2G)

1000 Independence Avenue, SW

Washington, D.C. 20585

Office: (202) 287-5151

Fax: (202) 586-3000

E-mail: Mark.Smith@ee.doe.gov

Clean Cities Website: www.cleancities.energy.gov

Clean Cities Coordinators: www.eere.energy.gov/cleancities/progs/coordinators.php

Fuel Economy Guide and Website: www.FuelEconomy.gov

Alternative Fuels & Advanced Vehicles Data Center: www.afdc.energy.gov

DOE National Idling Reduction Network :

http://www1.eere.energy.gov/vehiclesandfuels/resources/fcvt_national_idling.html