



U.S. Department of Energy
Energy Efficiency
and Renewable Energy

Bringing you a prosperous future where energy
is clean, abundant, reliable, and affordable

Federal Energy Management Program

*Opportunities for Installing
Alternative Fuel Infrastructure
for the Federal Fleet*

Alternative Fuels Industry Day
June 12, 2008

Brad Gustafson

Federal Energy Management Program

U.S. Department of Energy

Objectives of Forum



- **Bring together Federal fleets and private sector providers to identify a path forward to meeting infrastructure needs**
- **Share information on Federal AFVs and infrastructure needs**
- **Learn from private sector – best approaches and business models**

Topics



- **Objectives of Forum**
- **Agenda**
- **AFV/AF Drivers in the Federal Fleet**
- **Opportunities for Infrastructure**
- **Business Case for Alternative Fuels**
- **DOE RFI**
- **Conclusion**

Agenda



9:00 am Registration

10:00 am Welcome

Brad Gustafson, DOE FEMP

10:25 am Biomass Presentation

Jacques Beaudry-Losique, Program Manager, DOE
Biomass Program

10:45 am Federal Fleet Panel

Brad Gustafson, FEMP (Moderator), with
Wayne Corey, USPS; Brad Hancock, DOD; Bill
Webster, GSA

12:00 am Lunch Break

1:00 pm Federal Fleet Vehicle Concentrations

Mike Helwig, NREL

1:45 pm Concurrent Breakout Sessions

E85

Biodiesel, CNG & LPG

AFV/AF Drivers in Federal Fleet



- **Energy Policy Act (EPACT) of 1992**
- **Energy Policy Act (EPACT) of 2005**
- **E.O. 13423 – Strengthening Environmental, Energy and Transportation Management (2007)**



- **Energy Independence and Security Act (EISA) of 2007**
- **Agency Initiatives e.g. DOE's Transformational Energy Action Management (TEAM) Plan**

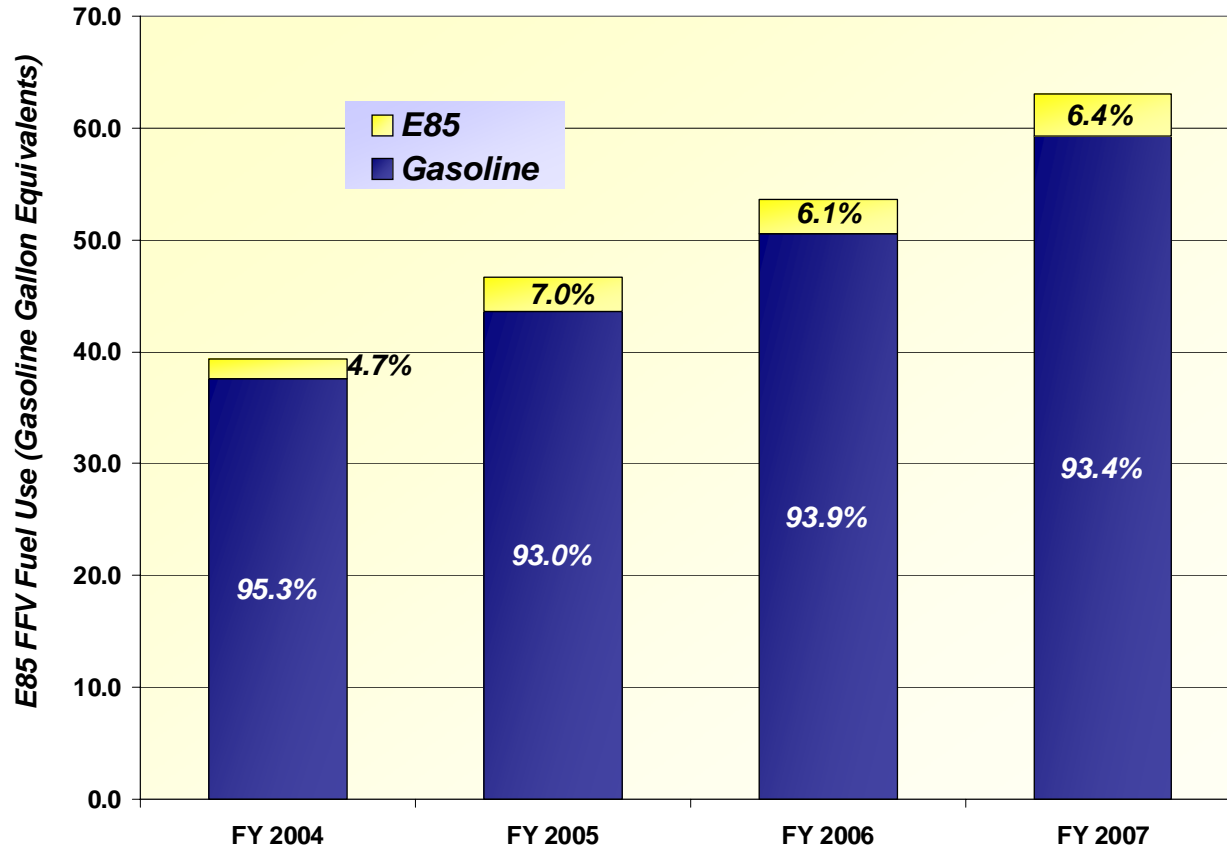


What is most significant?



- Section 701 EPA Act 2005 requires AF use in Federal dual-fuel vehicles, unless:
 - Fuel not reasonably available
 - Fuel unreasonably expensive compared to gasoline
- Federal agencies awarded waivers from this requirement based on fuel unavailable
 - ~68,000 of ~112,000 FFVs waived in FY07
 - OMB requires annual reduction in waivers
- E.O. 13423 and Section 142 of EISA requires petroleum reduction and increase AF use in Federal fleets

Current Status

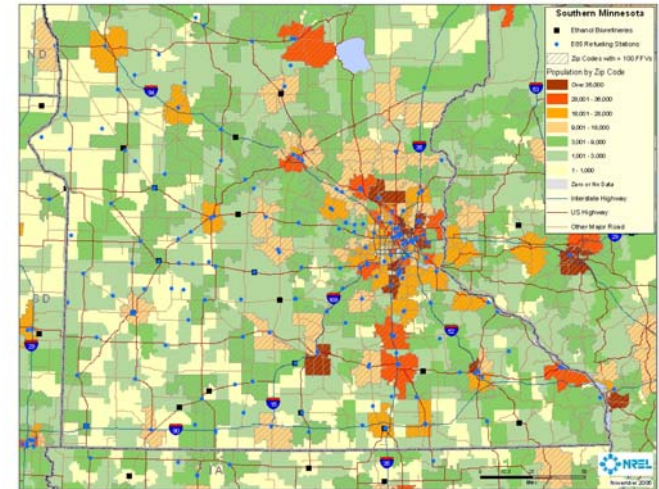
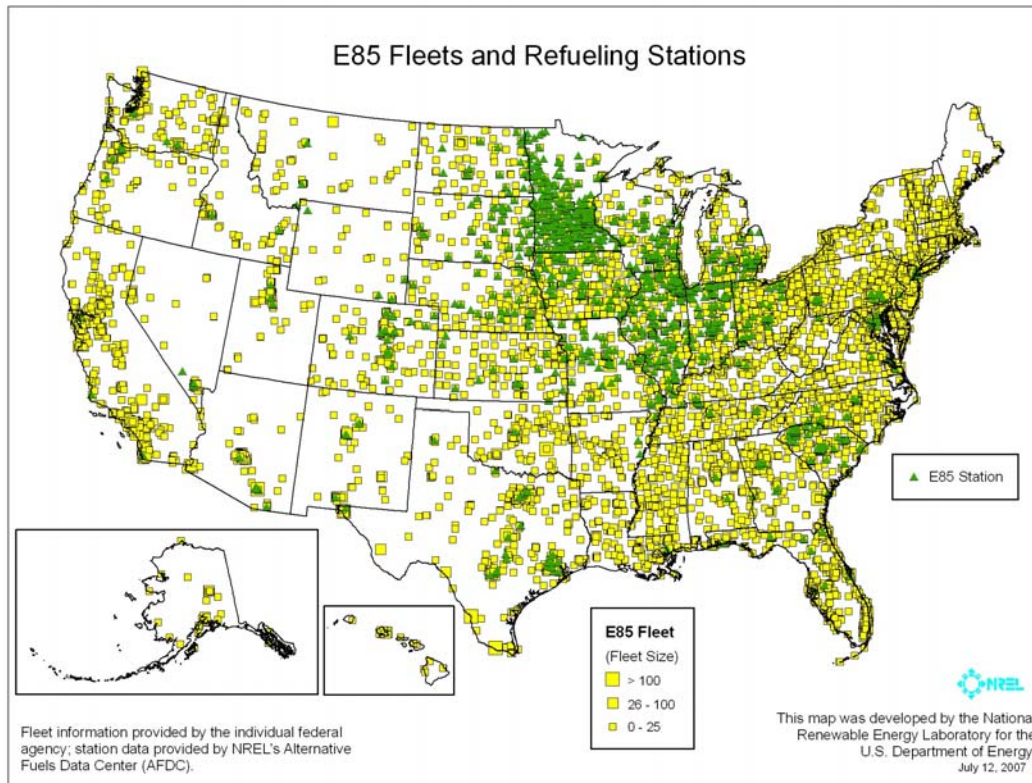


Use of E85 by E85 FFVs is low (6.4% in FY07)

Areas of Opportunity



NREL analyzed locations of E85 FFVs and CNG vehicles and infrastructure



Business Case for AF



- **Federal tax credit for alternative fuels**
- **Federal tax credit for alternative fuel refueling infrastructure (EPAct 2005)**
- **State and local tax credits**
- **Business case analysis**

http://www.eere.energy.gov/afdc/ethanol/station_business.html

What are the options?



- Public station—
 - Industry builds station
 - Federal fleets act as anchor fleet
- Federal station—
 - Federal property
 - Federal funding

Next Steps



- Assist Federal agencies with efforts to expand infrastructure.
- Develop and promulgate tools.
- Develop contracting mechanisms to procure infrastructure.
- Facilitate communications.
- Track and report progress.

Thank You



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**For more information about Federal Fleet Requirements and Reports,
please visit:**

http://www1.eere.energy.gov/femp/about/fleet_requirements.html