

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

Federal Fleet AFV & Efficiency Requirements

Energy 2003

Orlando, Florida
August 18, 2003

Jeffrey Clarke
National Renewable Energy Laboratory

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

EPAct of 1992

- Phased-in acquisition of AFVs beginning in FY 1993; 75% of FY 1999 & later LDV acquisitions must be AFVs
- Coverage extends to Fleets that have:
 - 50 or more LDVs in the U.S.
 - 20 or more LDVs in a single MSA/CMSA
- Excluded vehicles: law enforcement, emergency, non-road, garaged overnight/personal residence, research and testing vehicles...
- EPAct amended by Energy Conservation and Reauthorization Act of 1998 (ECRA):
 - Requires annual AFV compliance report submitted to Congress by each agency starting in FY 1999
 - Provides for biodiesel fuel use credits

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

EO 13149 (April 2000)

- 20% reduction in annual petroleum consumption by FY 2005
- Use alternative fuel in AFVs the majority of the time by FY 2005
- Increase average fuel economy of new light duty acquisitions:
 - 1.0 mpg Increase by FY 2002
 - 3.0 mpg Increase by FY 2005
- Exemptions for off-road, law enforcement, military and emergency vehicles
- Annual compliance reports to DOE

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

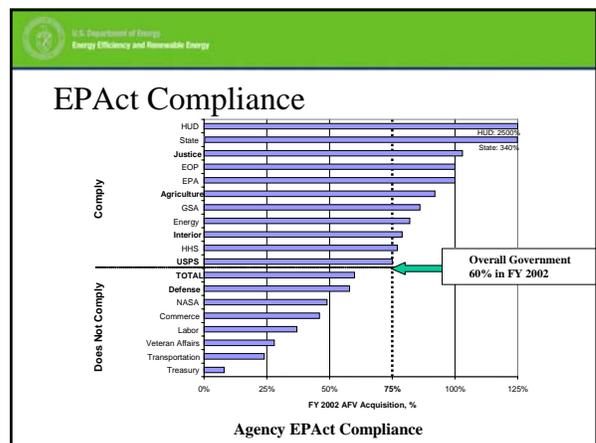
Data Reporting – FAST

- The Federal Automotive Statistical Tool (FAST) is an on-line reporting system developed and supported by DOE-EE, GSA, and DOE-EIA
- FAST benefits include:
 - consolidates fleet reporting requirements for E.O. 13149, EPAct, & SF- 82
 - stores data for easy access/review and annual reporting
 - simplifies reporting process and eliminates paperwork
 - rolls-up fleet level data to agency-level automatically

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

FAST (continued)

- Fleets report data using FAST system
 - conventional and alternative fuel vehicle acquisitions, plans, and projections
 - vehicle cost/mileage data – SF82 data
 - petroleum and alternative fuel consumption
- Agency FAST data due annually November 1st
- Agency AFV reports (written report & agency data) due November 13th
- DOE submits summary report on agencies' compliance to White House & OMB by March 1st

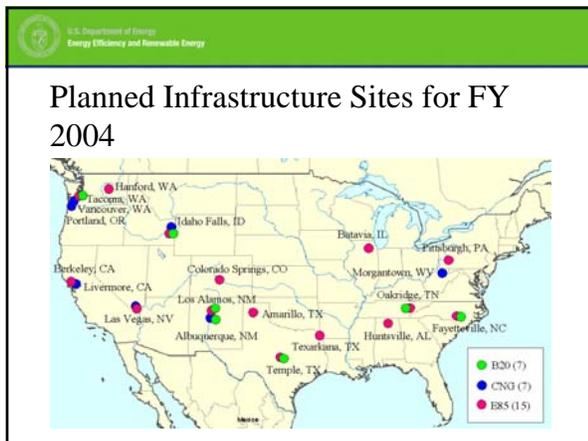
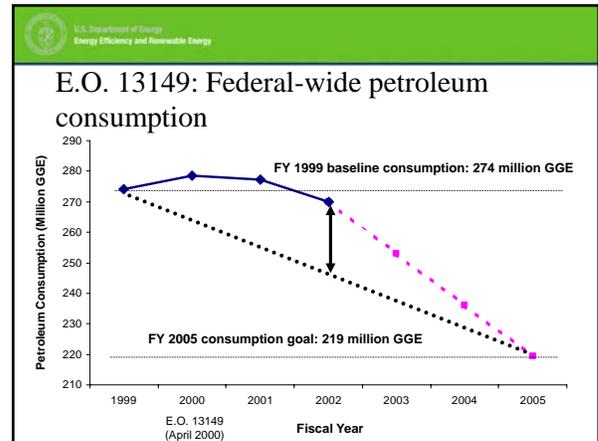
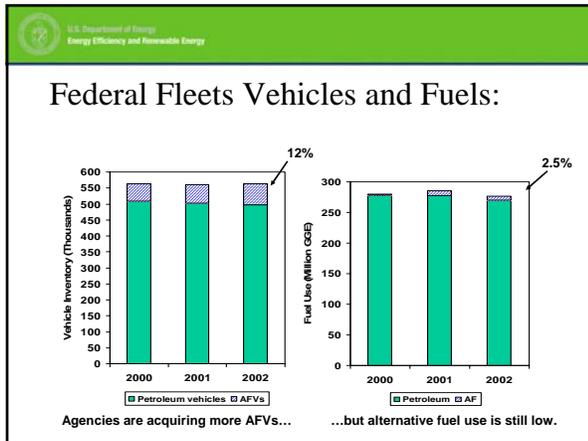
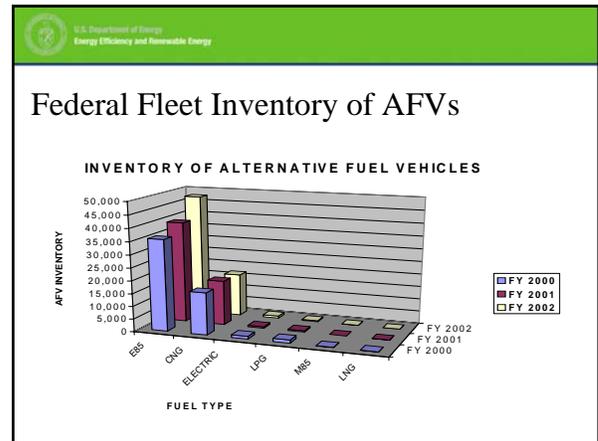


U.S. Department of Energy
Energy Efficiency and Renewable Energy

EPAct compliance is increasing

Fiscal Year	AFVs Acquired	Total EPAct Credits	Percent of Acquisition	Total AFVs
2000	7,922	9,188	44%	55,260
2001*	8,798	9,736	45%	58,242
2002*	9,387	10,870	60%	65,687

Source: FAST database - *Preliminary data



- U.S. Department of Energy
Energy Efficiency and Renewable Energy
- ### Legislative Proposals Affecting Fed. Fleet
- Partial credits for hybrid vehicles (S.14)(EAS H.R.6)
 - Credits for neighborhood electric vehicles (S.14, EAS H.R.6)
 - Expanded fuel use credits (S.14)(EAS H.R.6)
 - Hybrid truck acquisition requirements (EAS-H.R.6)
 - Increased EPAct acquisition requirements (EAS-H.R.6)
 - Fuel use requirements for AFVs (H.R. 14, S.14, EAS-H.R.6)
 - Fuel economy improvements (S.14)(EAS HR6)
 - Incremental cost distribution (H.R.6, S.14)
 - FCV acquisitions (S.14)

Recommended Next Steps

- Aggressively acquire AFVs
- Use alternative fuel in AFVs
- Use biodiesel
- Acquire fuel efficient vehicles

President Bush in his Propane Vehicle (Crawford, Texas)



“The Federal government should set a good example of conservation by reducing its own energy use.”

President George W. Bush, May 3, 2001

Information and Resources

Shab Fardanesh

shabnam.fardanesh@ee.doe.gov

(202) 586-7011



EPA fleet information and regulations website

•http://www.ott.doe.gov/epact/fed_fleet_prog.shtml