



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

The Clean Cities logo, featuring a stylized 'C' and the words 'Clean Cities' next to a city skyline.

Clean
Cities

National Transportation Idle Free Corridors Workshop

J. David Dunagan

Transportation Project Manager

U.S. Department of Energy-Atlanta Region

March 17, 2004



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



Clean Cities

A voluntary, locally based government/industry partnership

- **Established in response to the Energy Policy Act (EPAct) of 1992, which mandates DOE to expand transportation R&D and create programs that will increase the use of alternative fuels in place of gasoline and diesel fuel**
- **Provide a framework for businesses and governments to work together as a coalition to build on local existing alternative fuel markets**
- **Coordinate the activities of AFV proponents, develop partnerships, investigate opportunities for joint projects, leverage resources, and collaborate on public policy**



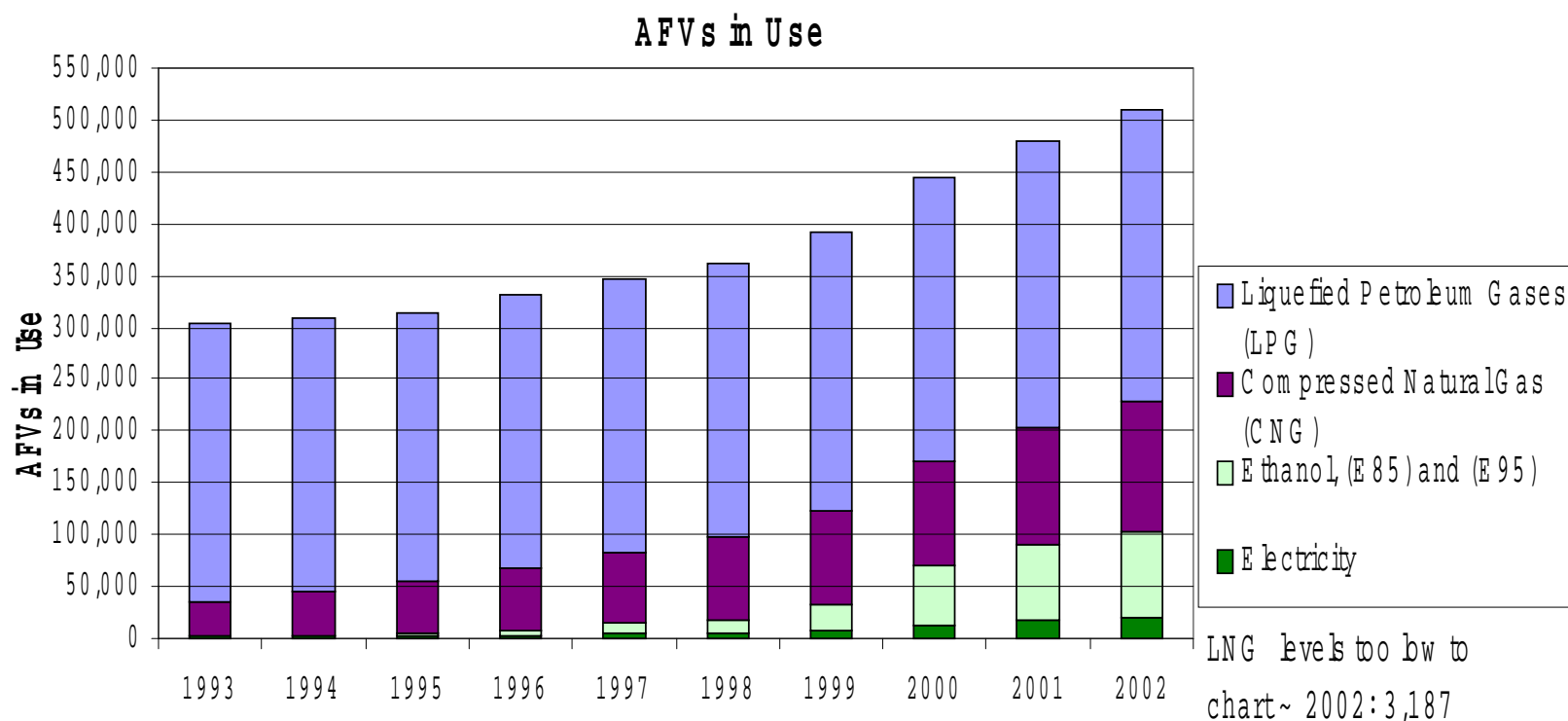
Clean Cities Facts

- Currently more than **80 active coalitions** covering **60% of the population**
- Approximately **4,800 Stakeholders**
- **181M gallons of petroleum displaced annually**
- **32,000 metric tons of emissions reduced annually**





Vehicles: 17%/yr. growth in AFVs in coalitions compared to 2%/yr. growth in rest of the country

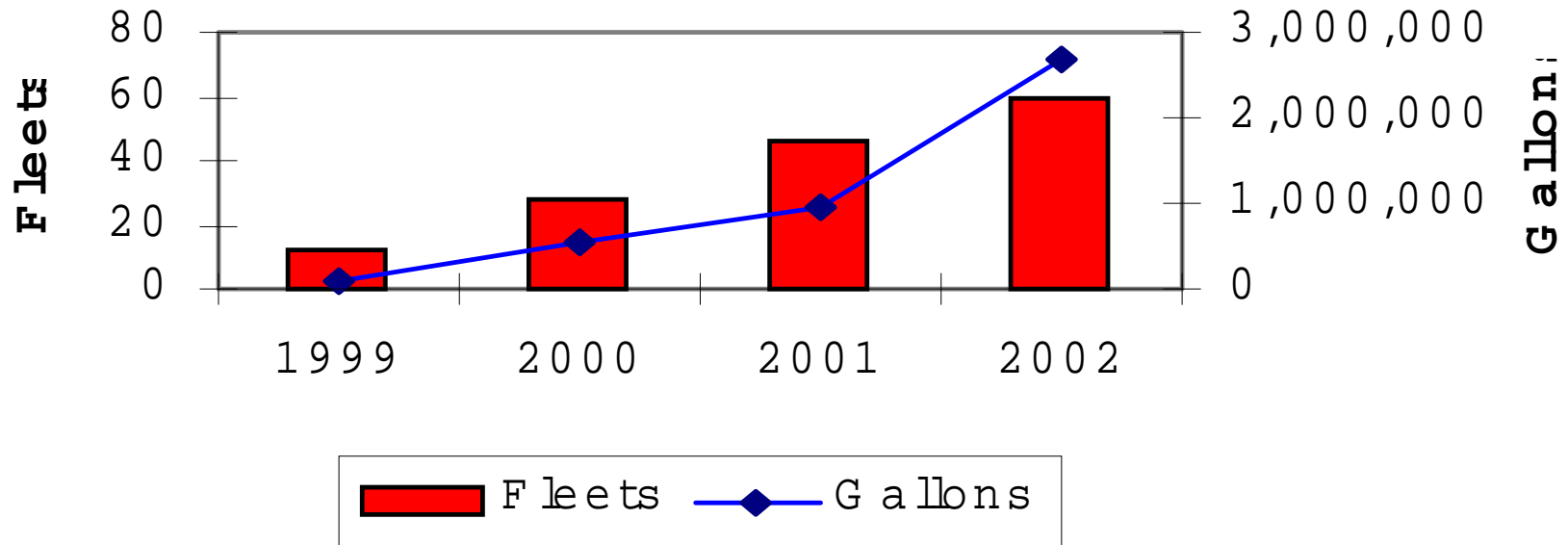


NOTE: 2,652,592 flex fuel (E85) vehicles in 2000. Chart shows estimated vehicles using E85 fuel.

Source: EIA, Alternatives to Traditional Transportation Fuels 2000



B i o d i e s e l U s e



1999	12	88,322
2000	28	563,304
2001	46	939,552
2002	60	2,667,125



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

The Clean Cities logo, featuring a stylized 'C' and the words 'Clean Cities' in a sans-serif font.

Clean
Cities

Why Clean Cities Make a Difference

- **Commitment**
- **Information Resources**
 - www.cities.doe.gov
 - Vehicle Buyers Guide
 - Station locator and trip planner
 - Laws & incentives (by State)
 - Fleet Success Stories
 - Technical reports
 - Coalition contact information



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

The logo for Clean Cities, featuring a stylized "C" with a sun-like shape inside, followed by the text "Clean Cities".

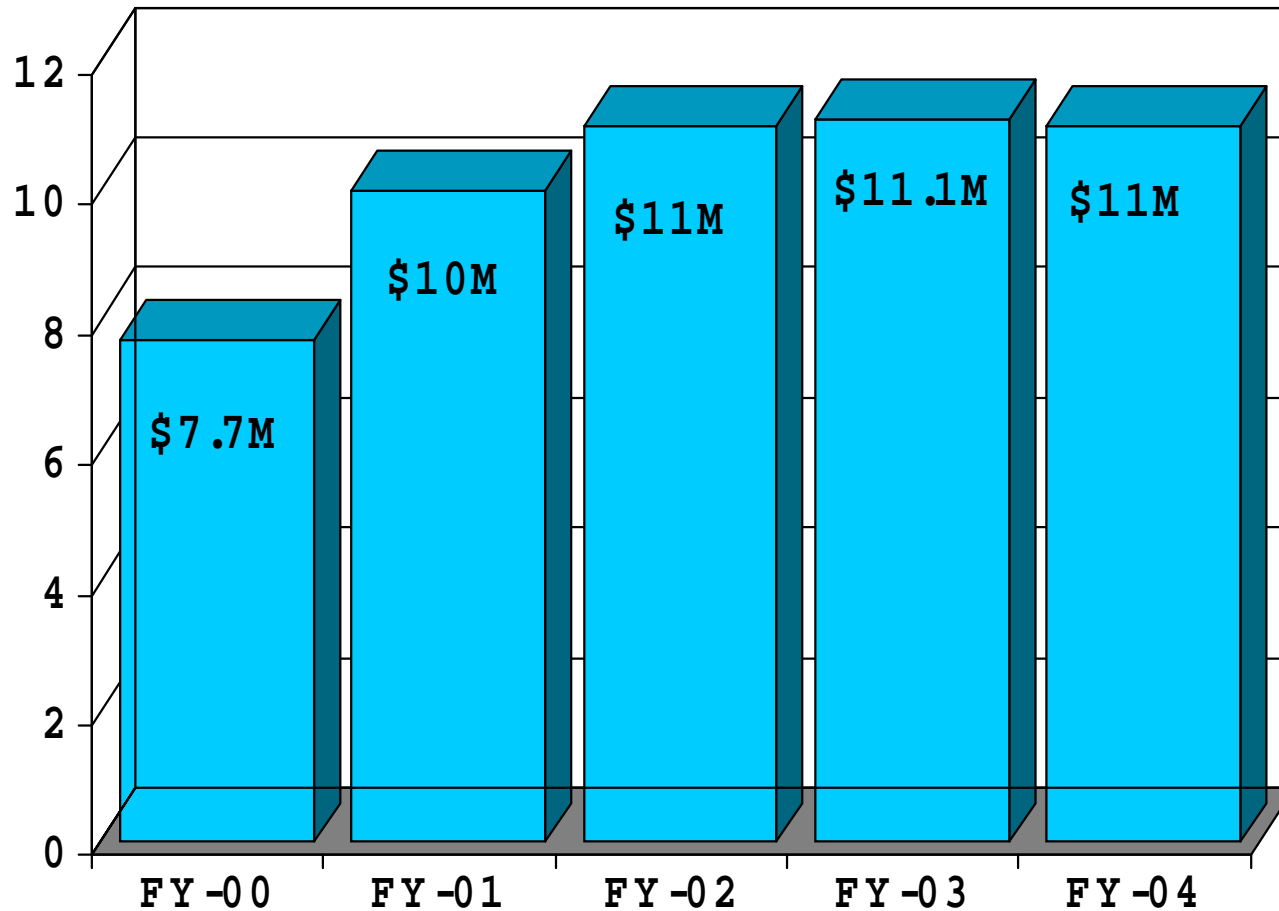
Clean
Cities

Why Clean Cities Make a Difference

- Training
- Tiger Teams
- Alternative Fuel Grants
- Advancing the Choice Events sponsored by all Coalitions



Clean Cities Budget



50% of the Clean Cities Budget goes directly to Coalitions & Stakeholders



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

The "Clean Cities" logo, featuring a stylized "C" with a city skyline inside, followed by the words "Clean Cities".

Clean
Cities

Clean Cities

Lessons Learned

- Integrated development of fuel infrastructure and vehicle sales for a given application is most effective
- Air quality is a strong driver in non-regulated fleets
- Program must be flexible to allow local solutions
- Human resources represented by 80 coalitions and 4,000 stakeholders is a strong implementation force and constituency



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

The Clean Cities logo, featuring a stylized 'C' and the words 'Clean Cities' in a sans-serif font.

Clean
Cities

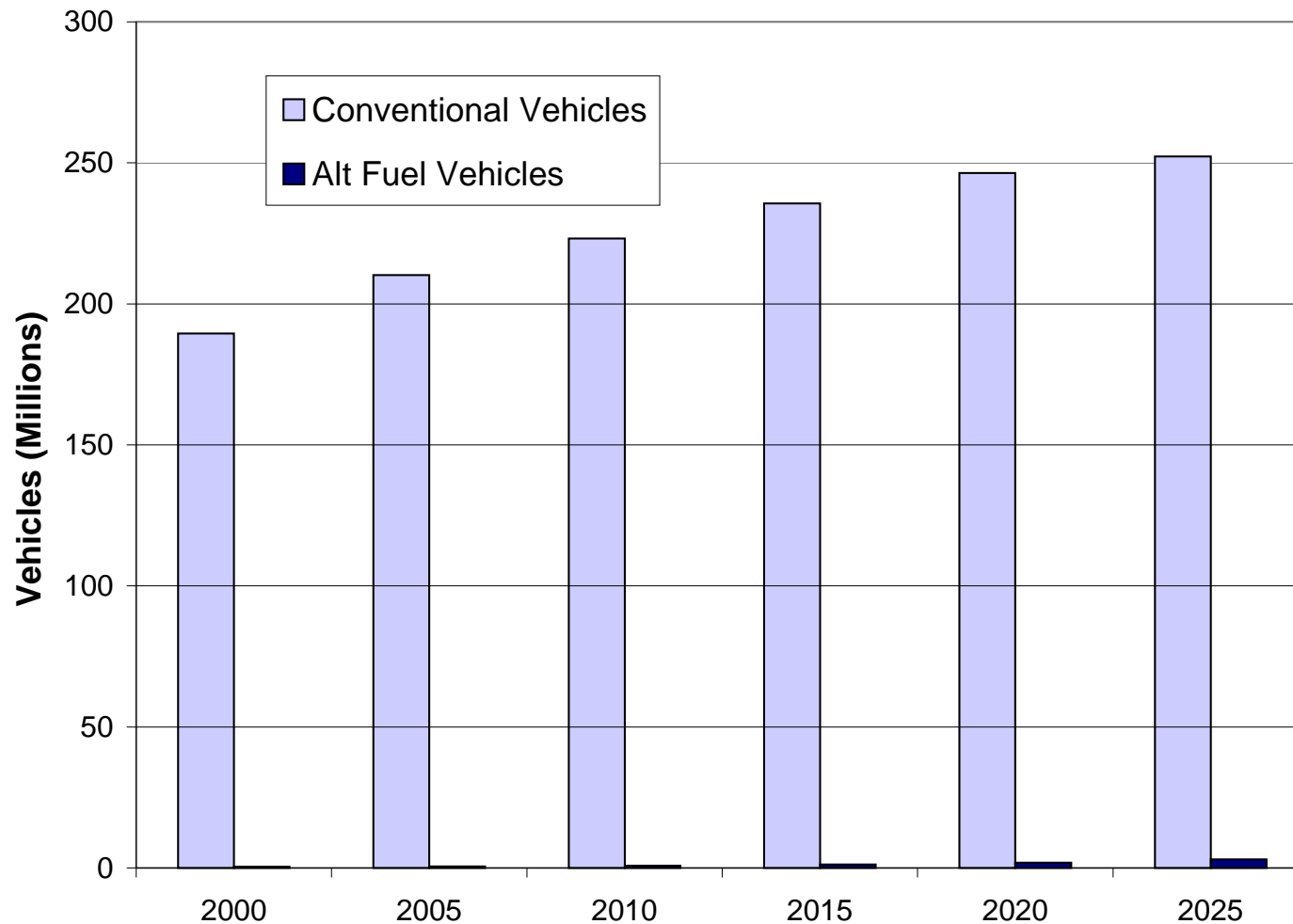
Clean Cities

Lessons Learned

- International markets are important, and even critical, to boost manufacturers' viability
- Bridging the gap between available technologies and demand in market requires technical, financial, and policy assistance
- Legislation and incentives to encourage the use of alternative fuels are essential



Even with growth over the next 20 years, AFVs alone won't have a significant impact on oil consumption





Expanded Portfolio of Technologies

A Technology Neutral Approach

- Encourage use of *Idle Reduction Technologies*
- Expand use of *Blends* (e.g., B20, E10, HCNG)
- Increase use of *Alternative Fuels*
- Accelerate Sales of *Hybrids*
- Promote informed consumer choice on *Fuel Economy*

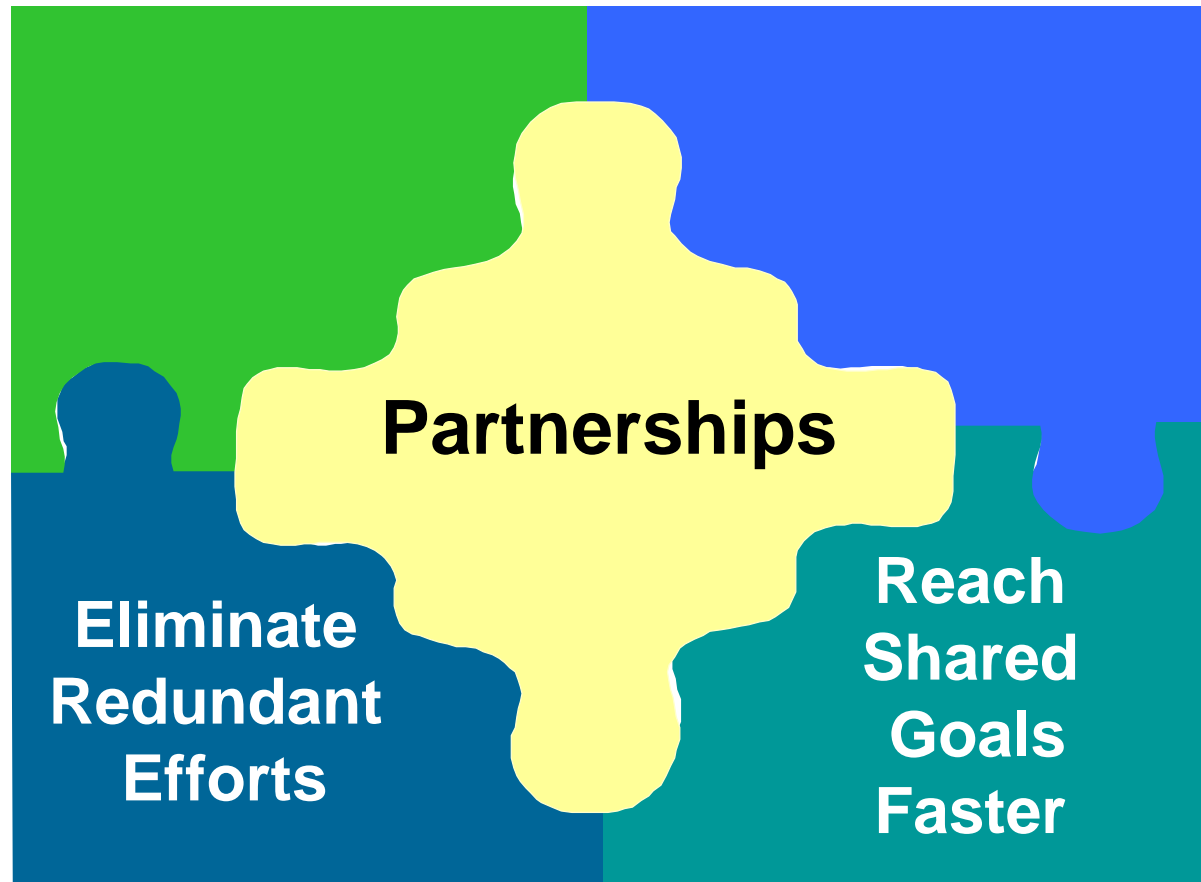


U.S. Department of Energy
Energy Efficiency
and Renewable Energy



Making the Whole Greater than the Sum of the Parts

Partnering with EPA and FHWA on Idle Reduction





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

Clean
Cities

Celebrate a Decade of National Clean Cities Conferences



**10th National Clean Cities
Conference and Expo
May 2-5, 2004**