



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



Clean Cities and Idle Reduction *Partnering to Reduce Our Dependence on Petroleum*

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U.S. Department of Energy

National Idling Reduction Planning Conference

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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**

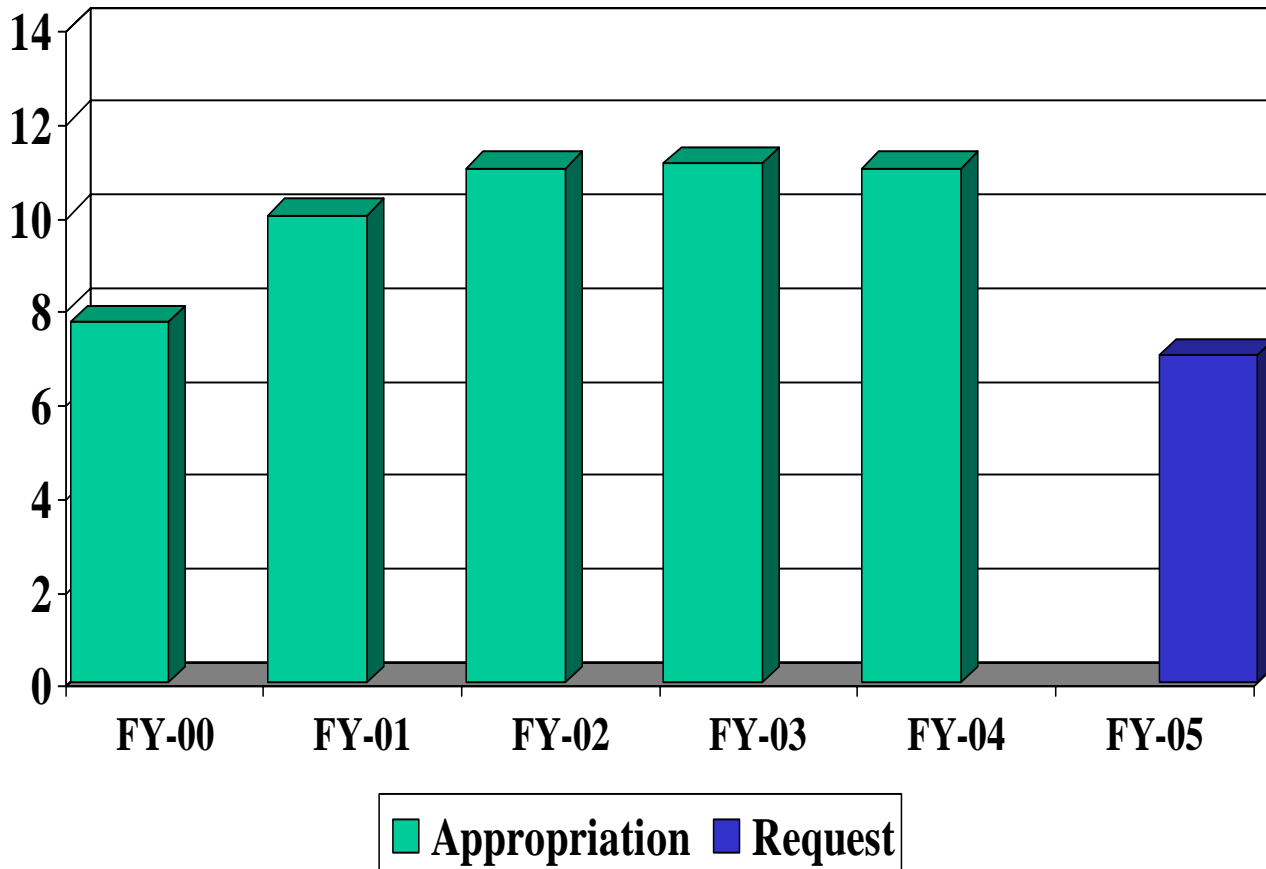
Designated Coalitions





Clean Cities Budget

Millions

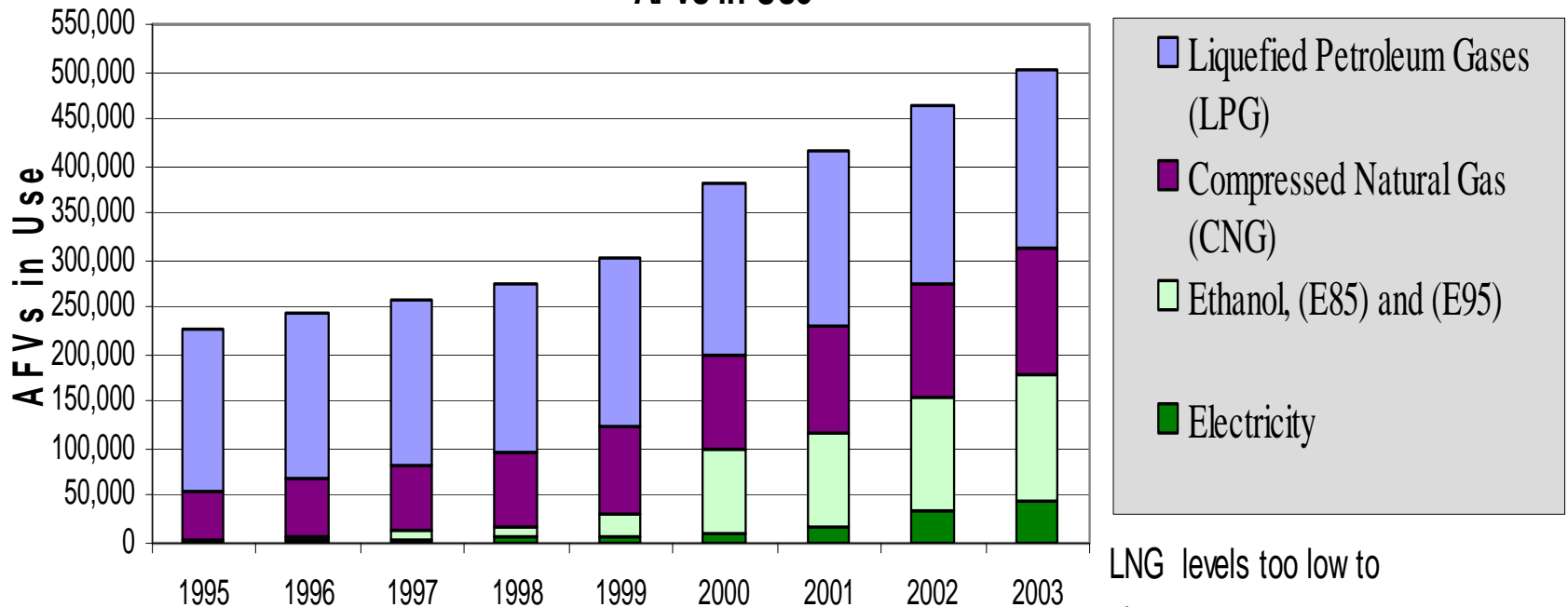


50% of the Clean Cities budget goes directly to coalitions & stakeholders



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

AFVs in Use



LNG levels too low to chart ~ 2002: 3,187

Note: 2,652,592 FFVs in 2000. Chart shows estimated vehicles using E85 fuel.

Source: EIA, Alternatives to Traditional Transportation Fuels 2000



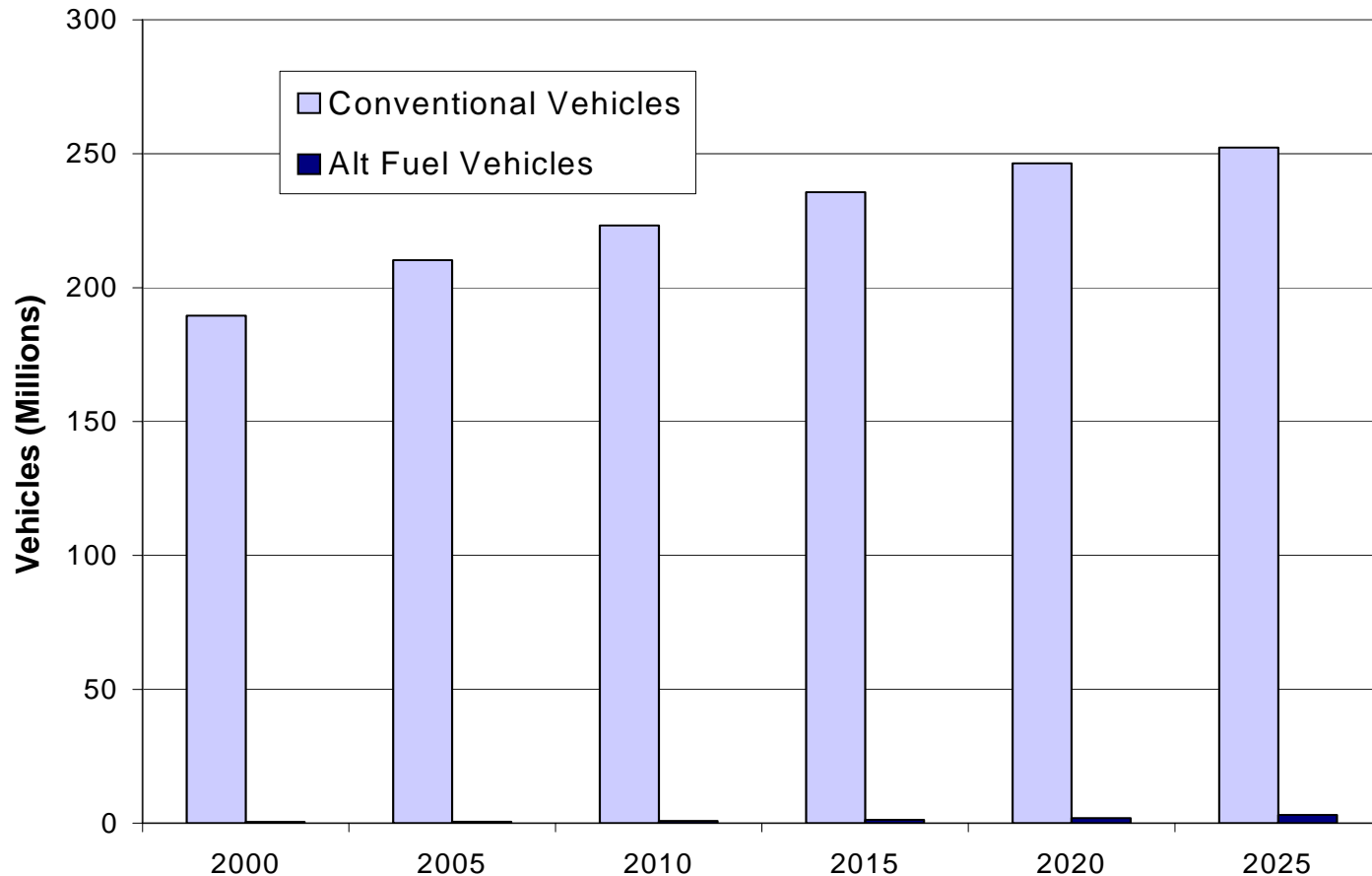
Clean Cities

Lessons Learned

- Air quality is a strong driver
- Program must be flexible to allow local solutions
- 80 coalitions and 4,800 stakeholders are a strong implementation force and constituency
- International markets are important, and even critical, to boost manufacturers' viability
- Bridging gap between technologies and demand 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 reducing petroleum consumption





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**What actions can we take
today to *significantly*
decrease America's
dependence on petroleum?**



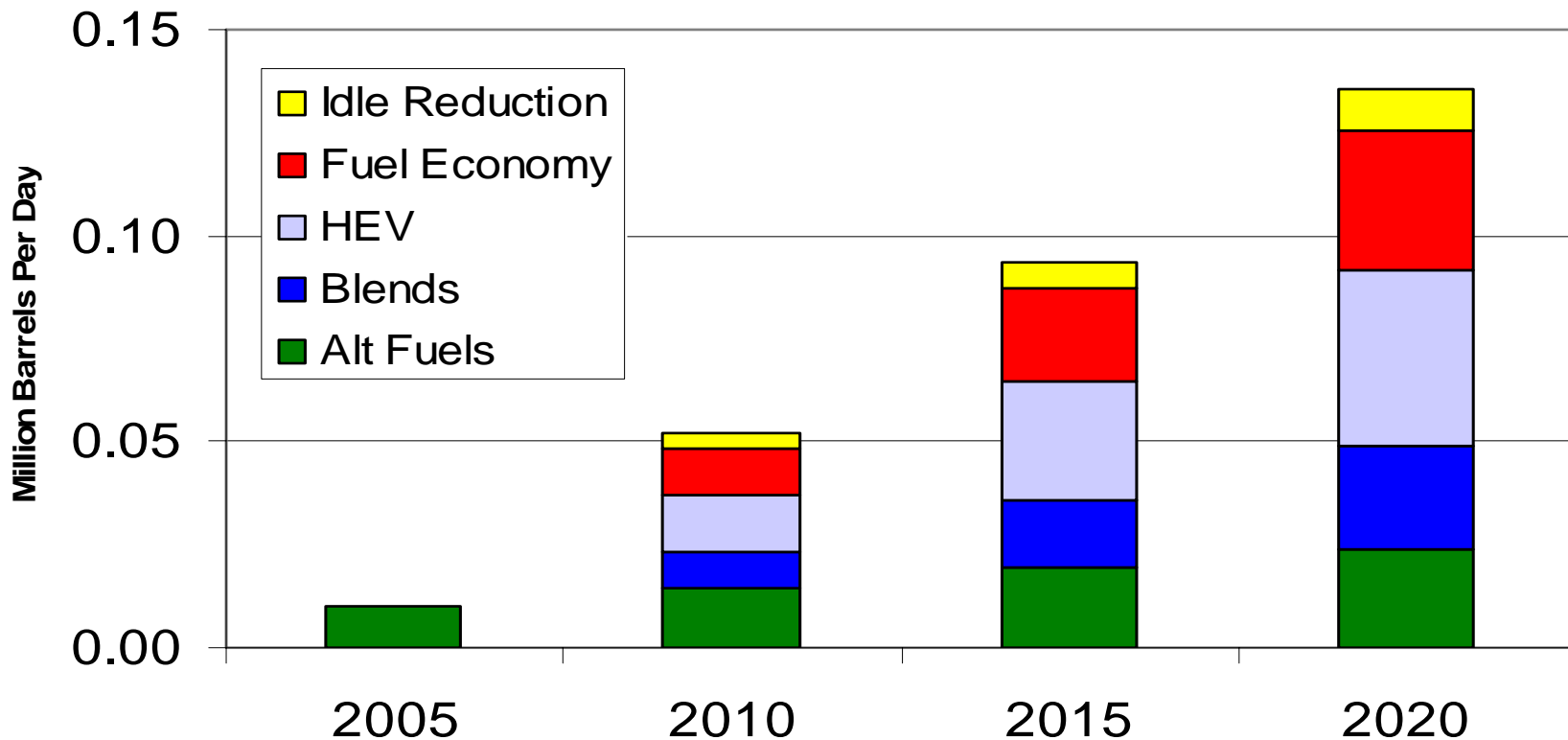
Reinvented Clean Cities - Updated Portfolio

A Technology and Fuel Neutral Approach

- Increase use of *Alternative Fuels*
- Expand use of *Blends* (e.g., B5, E10, HCNG)
- Encourage use of *Idle Reduction Technologies*
- Accelerate sales of *Hybrids*
- Promote informed consumer choice on *Fuel Economy*

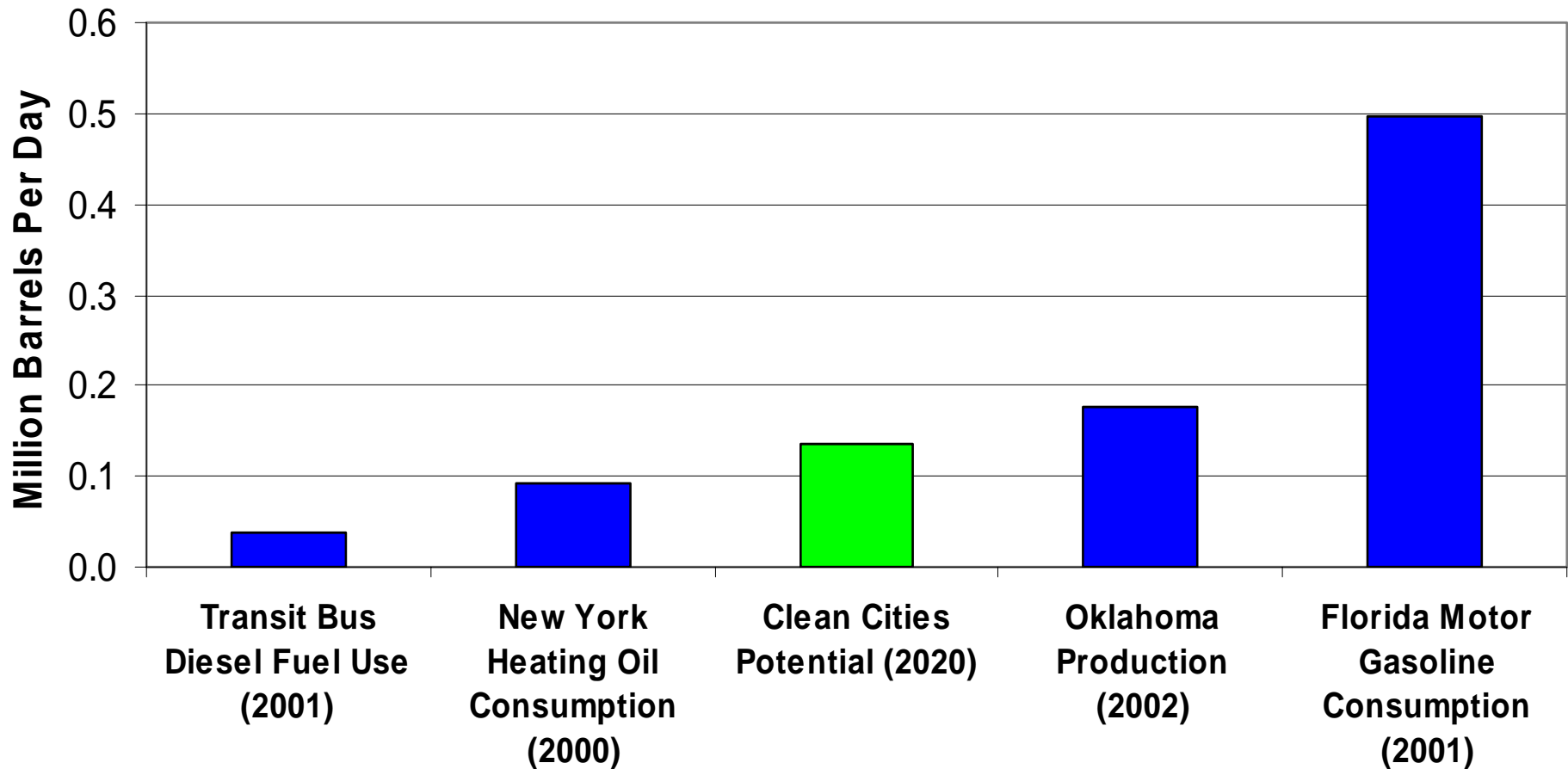


Substantial Oil Displacement From Expanded Portfolio



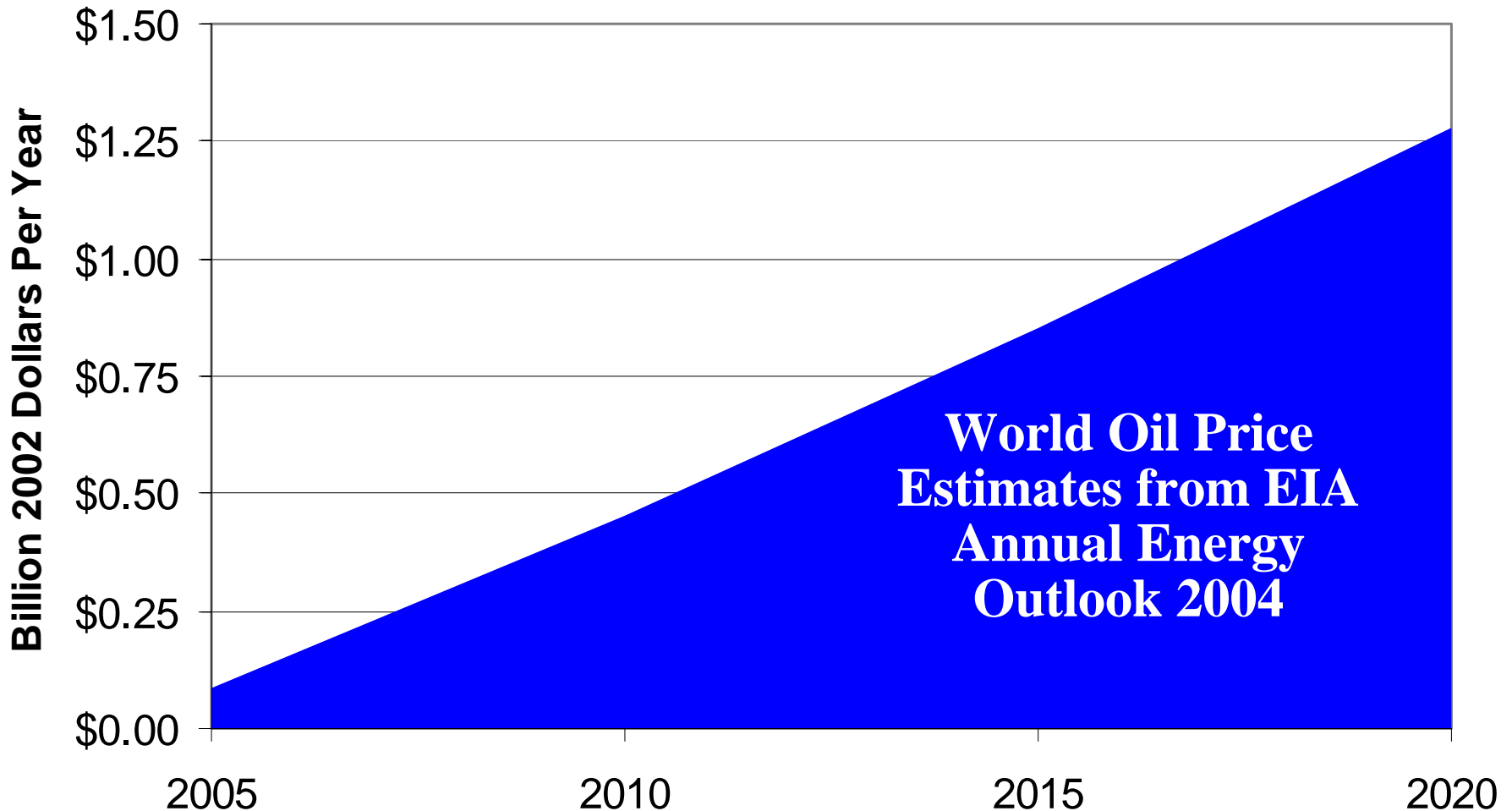


Estimate in Perspective





\$ Value of Oil Displaced by New Portfolio





Partnership Benefits

SEP Program

- Idle Reduction Category
- In 2004, \$200,000 will be awarded under State Energy Program Grants for idle reduction projects

Advancing the Choice Events

- Opportunity to educate fleets on the benefits of idle reduction and idle reduction technologies

Clean Cities Website

- http://www.eere.energy.gov/cleancities/idle_reduction.html

Clean Cities Regional Meetings

- Opportunity to network with coordinators and address idle reduction at the regional level



Partnership Benefits

Clean Cities Industry Steering Committee

- Idle Reduction Representative could join the committee to ensure industry is represented at the conference

11th National Clean Cities Conference & Expo, May 1-4, 2005, Palm Springs

- Awards will be presented in all technology areas
- Opportunity to network with Clean Cities coordinators and stakeholders
- Opportunity to display products, equipment, etc.



Possible Barriers to Implementation

- Technologies may not be readily available across the country
- Market competitors not fully formed. Leaders not fully established.
- Infrastructure not in place. A deployment strategy is needed to address the best approach, location, funding opportunities, etc.
- Federal Excise Tax on OEM equipment (including idle reduction equipment) on heavy trucks adds cost
- Added weight of on-board systems reduces payload capacity
- Development of systems that truck operators will be willing to use: education?



Resources Needed

Success Stories

- Including contact information, challenges and how the challenges were overcome

Fact Sheets

- Including costs/cost savings potential, efficiencies, potential emission/petroleum reductions, business case

Outreach Materials

- Including publications, documents, etc., to educate, drivers, fleets, communities, elected officials, the general public, etc.



Next Steps

- Educate stakeholders on the value of idle reduction
- Develop outreach materials for all audiences
- Encourage local government to participate in projects
- Conduct regional workshops to identify local and national partners and to determine best sites for infrastructure
- Examine where legislative action could add value
- Seek funding and implement projects located in strategic local, regional areas
- Determine methodologies to monitor the use of idle reduction technologies, the amount of petroleum displaced and air quality benefits



Clean Cities and Idle Reduction - *To Do List*

1. State Energy Program Grants – Submit proposals
2. Tiger Teams – Make them work for idle reduction
3. Advancing the Choice Events – Participate
4. Documentation – Help us document progress toward our goals
5. Partnerships – Develop with DOT/Highway and EPA
6. Outreach - Work with DOE's 21st Century Truck Program to disseminate technology updates
7. Legislation – Educate elected officials on the benefits of idle reduction
8. Clean Cities Promotional/Outreach Avenues – Clean Cities News, <http://www.eere.energy.gov/cleancities>, 1-800-CCITIES
9. National Partner Awards – Nominate your members
10. 11th National Clean Cities Conference and Expo, May 1-4, 2005, Palm Springs – Attend



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One last thought on *Reinventing Clean Cities*

“Everything that can be
invented, has been invented.”

Charles H. Duell

U.S. Commissioner of Patents, 1899



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Please join us . . .

Palm 
Springs

May 1-4, 2005

11th National
Clean Cities
Conference
& Exposition