



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

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

Vehicle Technologies Program

The History of DEER

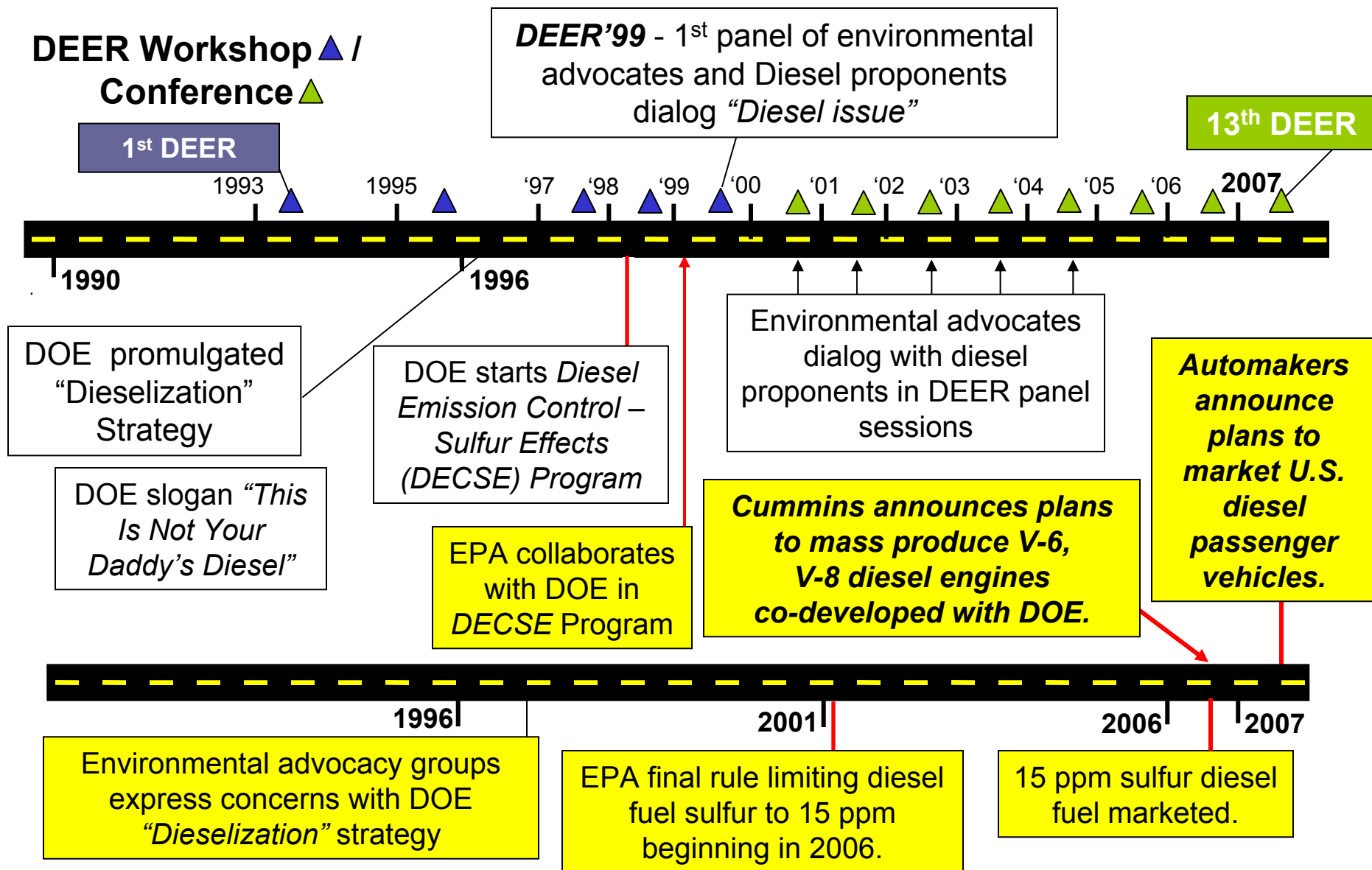
Dr. James J. Eberhardt
Chair, 2007 DEER Conference
Chief Scientist, Vehicle Technologies Program
Energy Efficiency and Renewable Energy
U.S. Department of Energy

Detroit, MI
August 13, 2007

Program Mission

*To develop more energy efficient and environmentally friendly highway
transportation technologies that enable America to use less petroleum.*

--EERE Strategic Plan, October 2002--





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“America is addicted to oil.”
President Bush, 2006.

“For too long our nation has been dependent on foreign oil.

It's in our vital interest to diversify America's energy supply -- the way forward is through technology.

We need to ...
expand the use of clean diesel vehicles and biodiesel fuel.

President Bush, 2007.



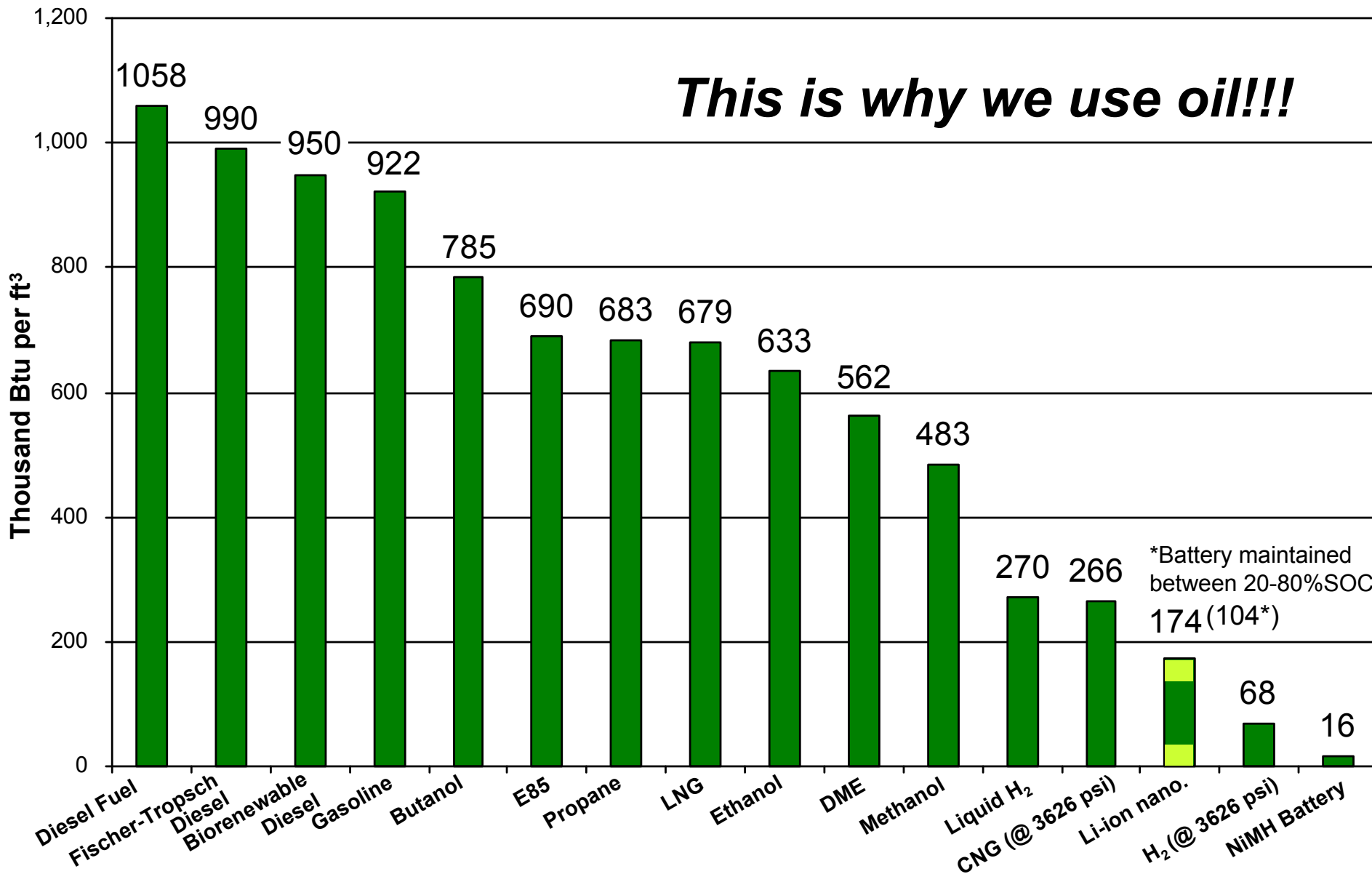
*State of the Union Address,
January 23, 2007.*





Energy Density of Fuels

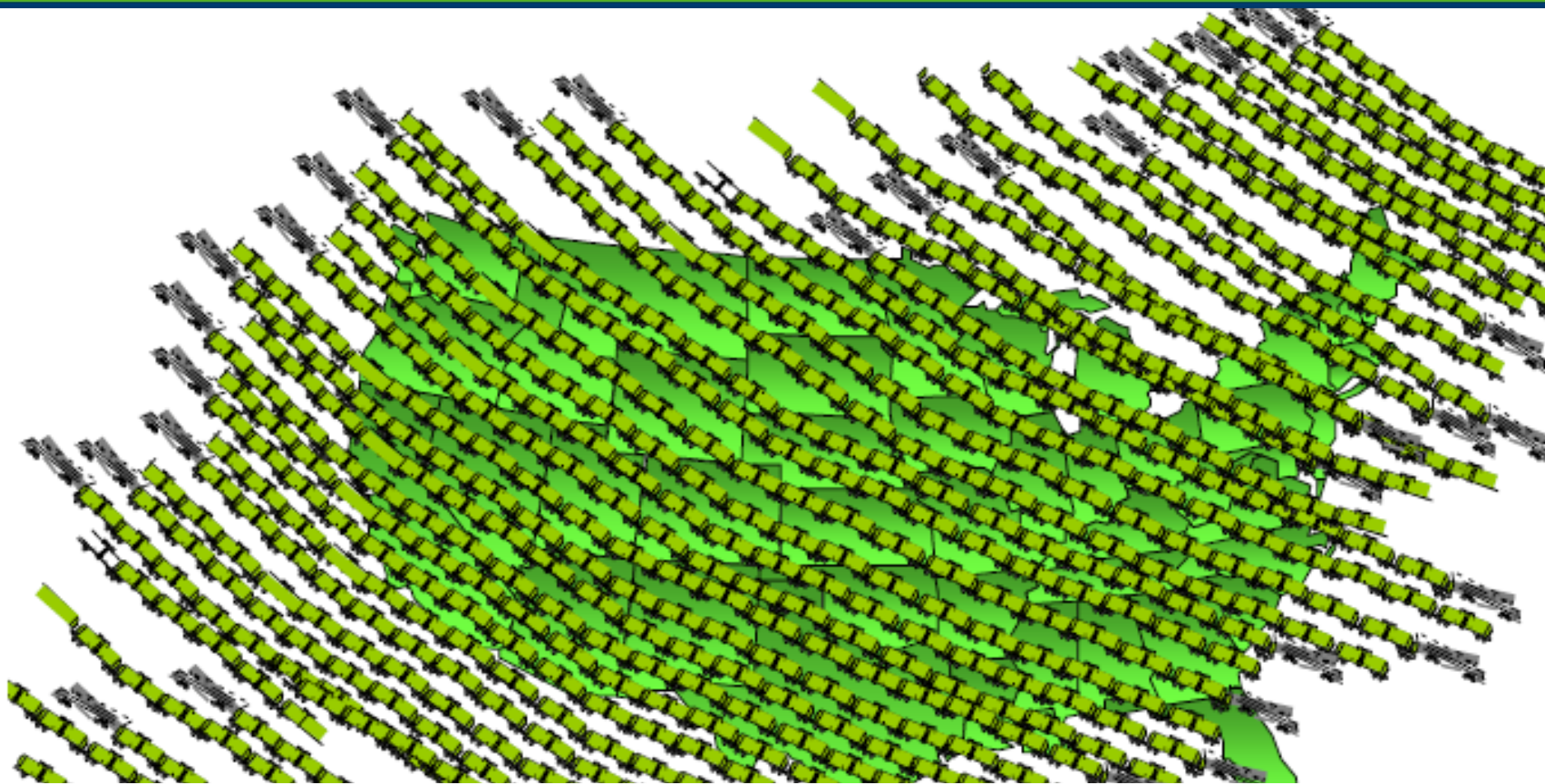
This is why we use oil!!!





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The Magnitude of Our Energy Problem



In 2006 the U.S. crude oil consumption (19.3 million barrels per day for a year) would fill over 41 tank car trains each stretching between Seattle and Miami (3,300 miles).