

# Alternative Fuels & Vehicles

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# NYSERDA Highlights

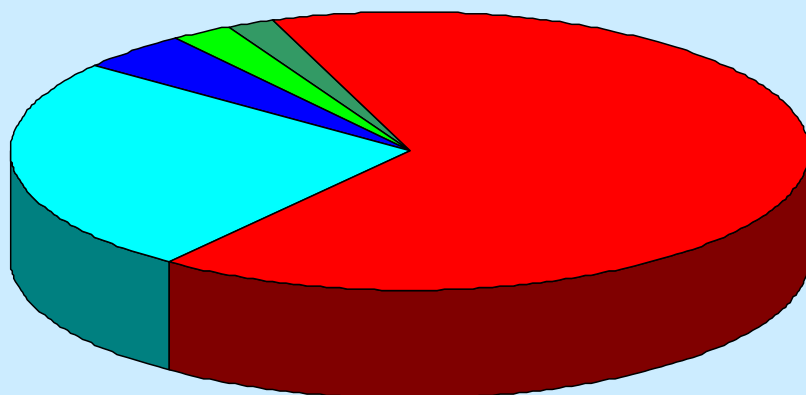
- public benefit corporation created in 1975 in response to the energy crisis
- three primary NYS focus areas  
energy - environment - economy
- \$400M+ annual budget FY08/09,  
225+ employees, four NYS locations

FOR MORE INFO...

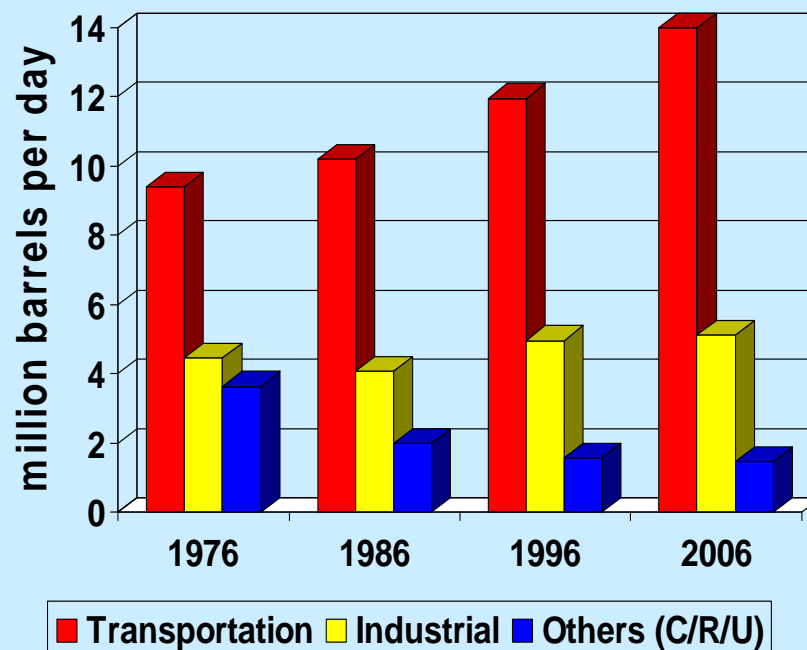
[www.nyserda.org](http://www.nyserda.org)



# U.S. 2006 Petroleum Consumption (20.6 million barrels each day)

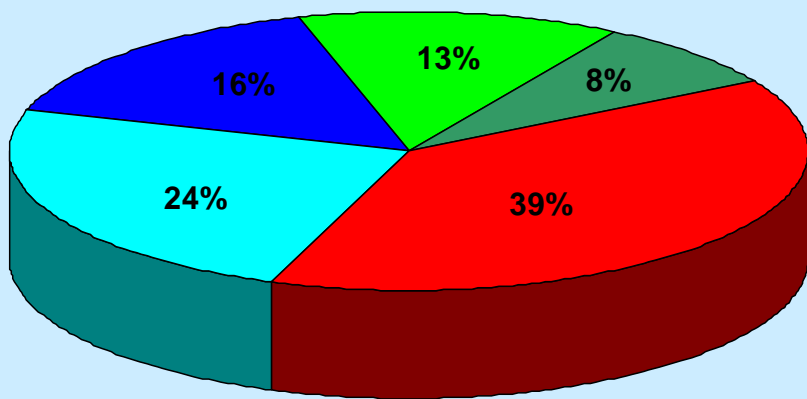


■ Transportation    ■ Industrial    ■ Residential  
■ Utilities    ■ Commercial



# NYS 2006 Energy Statistics

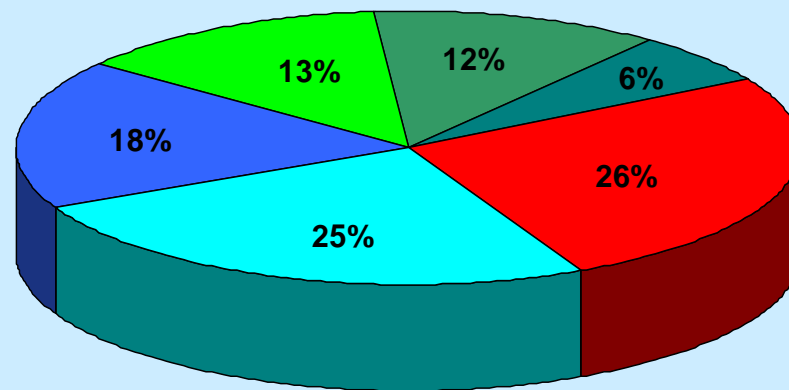
## Fuel Combustion Greenhouse Gases



■ Transportation    ■ Utilities    ■ Residential  
■ Commercial    ■ Industrial

222 million tons CO2 equivalent

## Electricity Generation by Fuel Type



■ Nuclear    ■ Gas    ■ Hydro    ■ Coal    ■ Imports    ■ Other

162,237 gigawatthours total

# Alternative Fuels

- Biodiesel
- Ethanol
- Natural Gas
- Propane
- Battery Electric
- Hybrid Electric
- Hydrogen





NYC HEV Bus



NYC Station Cars



USPS EV Demo



FedEx HEV Demo



Plug-In HEV Bus



Hydraulic Hybrid Truck

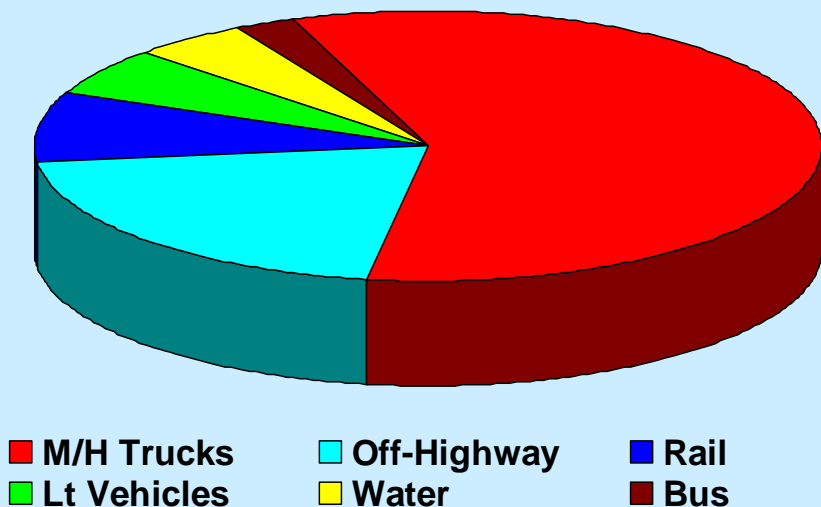


Honda Fuel Cell Car

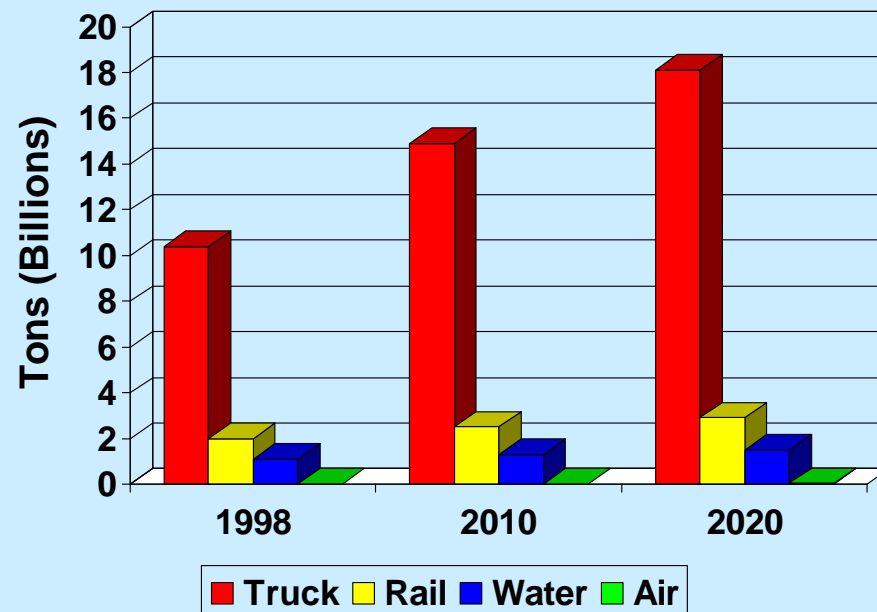


Plug-In Hybrids

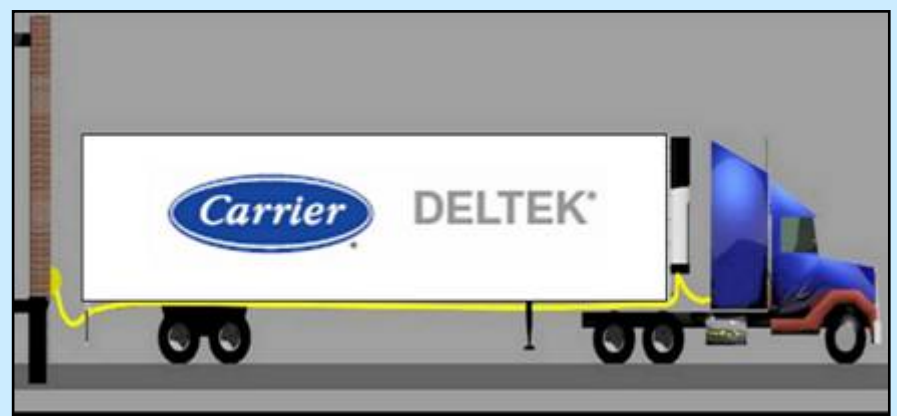
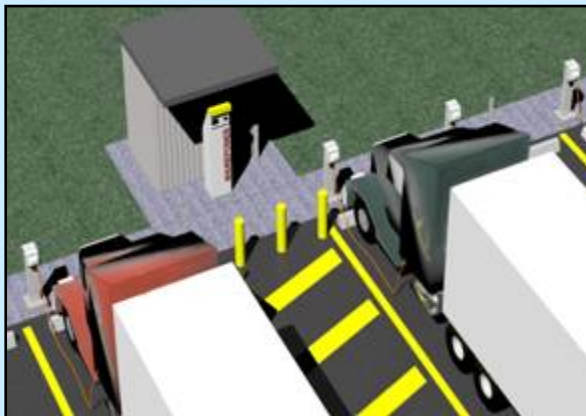
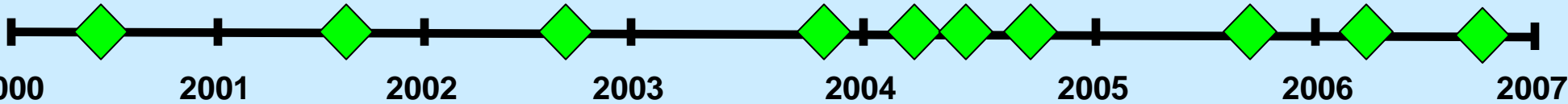
## U.S. 2005 Diesel Consumption



## Domestic Freight Forecast



# NYSERDA Idle Reduction Projects for Commercial Trucking





Co-funding: NYSTA, NMPC



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Co-funding: USDOE, NYSDOT, NiMo

