



Valley of the Sun Clean Cities Coalition

Diesel Emission Reduction Technologies
Diesel / Alternative Fuels



CNG / LNG

Maricopa County Leads the Nation in the use of Natural Gas

- 2 New CNG fueling sites are coming on board
- The cost of vehicles & equipment is coming down



Biodiesel

- Federal Excise Tax reductions have aided expansion
- VSCCC is in discussions to bring a plant to the Valley
- New retail stations are opening



ULS Diesel

- Will enable use of particulate traps
- Required Fall 2006
- May not be pipeline available for some time = additional cost
- Excellent blend with biodiesel



Propane

- LPG is a bit of a sleeper in the system -- Fleet operations have existed for years.
- A major key is the identification of motor fuel stations



E-85 Ethanol

- Flex-fuel vehicles are available at a modest premium -- All we need is the fuel
- VSCCC is working with a key producer to bring it to the Valley
- SB 1275 reduced tax <10% blend



Electric Vehicles

The electric passenger car may be dead -- but it has come back as:

- Hybrids
- Low-Speed Electric Vehicles



Hydrogen

The Fuel of the Future

- Phoenix -- one of the few stations in the US, and the expertise
- Currently blended with CNG
- Major Advantages & Challenges

























