

Tucson Regional Clean Cities Coalition

Colleen Crowninshield, Program Manager



Tucson Regional Coalition

EPA West Coast Collaborative Partners Meeting

November 5-6, 2008



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

- ❖ **Statewide School Bus Idle Reduction Program**
- ❖ **Only second state in the nation to host Clean Fuel Driver Training Program**
- ❖ **Maricopa County-Diesel Vehicle Idling Restriction Ordinance**
- ❖ **State of Arizona Executive Order 2007-03-Improving Air Quality**
- ❖ **I-10 Alternative Fuel Corridor Project**
- ❖ **Full Support of Clean Cities Program**
- ❖ **Ambos-Nogales Air Quality Task Force – Biodiesel**



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

Statewide School Bus Idle Reduction Program

One hour of idling burns approximately 1/2 gallon of fuel. If a school bus fleet has 50 buses and each bus reduces its idling time by 30 minutes a day the fleet would save over \$2,500 per school year in fuel costs.

- ❖ **More than 90 percent of Arizona's schools participate**
- ❖ **Director Owens recognizes each school's participation annually with a Clean Air Champion Award.**



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

Clean Fuel Driver Training Program

Arizona is only the second state to offer the clean fuel driver training program.

- ❖ **The program teaches students to drive on dedicated natural gas Honda Civics, to fuel with a FuelMaker and learn about all types of alternative fuels with education in conjunction with the National Education Foundation.**



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

Vehicle Idling Restriction Ordinance

- ❖ **The Vehicle Idling Restriction Ordinance restricts, from idling more than five (5) consecutive minutes, any device or combination of devices that meets specific criteria.**
- ❖ **Any owner or operator who violates this ordinance is subject to a civil penalty of \$100 for the first violation and \$300 for a second or subsequent violation.**



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

State of Arizona Executive Order 2007-03

- ❖ Whereas, between Nov. 1, 2005, and March 31, 2006, the Arizona DEQ issued 25 high Pollution Advisories for particulate matter, significantly more than in previous years
- ❖ The Governor issues this air quality Executive Order to address 12 priorities to help reduce air pollution.



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

I-10 Alternative Fuel Corridor Project

- ❖ **The I-10 Corridor Project identified the I-10 freeway from California thru Florida and will add clean fuel stations, truck stop electrification, and signage along the I-10 Corridor**
- ❖ **Eight states have signed on to the project**
- ❖ **Currently Arizona has three locations that offer Truck Stop Electrification**



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

Clean Cities Programs

- ❖ Arizona has two Clean Cities Coalitions one in Phoenix and one in Tucson
- ❖ Clean Cities is a public/private partnership to advance the use of clean alternative fuels and support infrastructure for those fuels
- ❖ Last year the Tucson Clean Cities Program displaced 5.2 million gallons of petroleum through the use of alternative fuels



U. S. Department of Energy



Tucson Regional Coalition

State of Arizona

Steps to Reduce Diesel Emissions

Ambos Nogales Air Quality Task Force – Biodiesel Project

- ❖ This project, partially funded by EPA brought the Instituto de Tecnológico and the Bomberos Fire District, both in Mexico, and the Rio Rico Fire District, demonstrate the vital role Waste Vegetable Oil can play as an innovative source of energy
- ❖ By turning waste veggie oil into fuel, this project has the potential to improve both air and water quality in the Ambos Nogales Region



U. S. Department of Energy



Tucson Regional Coalition

Finding Alternative Fueling Stations

Pima Association of Governments

www.pagnet.org

US Department of Energy Clean Cities

www.eere.energy.gov/cleancities

Arizona Department of Environmental Quality

www.azdeq.gov



U. S. Department of Energy



Tucson Regional Coalition