

Group 2:

Motor Fuel Alternatives and Resiliency



Group 2: What is going on in North Florida currently in this area?

- Compressed Natural Gas (CNG) / diesel fuel - Allin1 Fuel Alachua facility
- CNG vehicles – GRU
- CNG station in Marion County- Diamond Oil
- Original Equipment Manufacturer cars & trucks with alternative energy technologies
- Local availability[chicken & egg]



Group 2: What are other regions doing?

- Ethanol facilities- Perry, FL [UF], Bartow, FL, Georgia & Indian River Co.
- CNG stations- Clearwater, FL, Pensacola, FL, Tallahassee, FL & Polk Co
- Solar-recharged electric cars University of West Florida-
- Liquefaction plant- Hardee County



Group 2: What do we want to address?

- Education
- Distribution infrastructure for electricity and CNG are not an issue
- Price stability through market competition
- Taxes on alternative fuels- how to accomplish?
- Biodiesel



Group 2: What approaches might we take?

- Economic development strategies
- Integrated approach to provide energy
- Policy recommendations from 2003 Clean Fuel Florida Advisory Report



Group 2: How would we pay for it?

- \$20 million from BP spill mitigation for economic development
- Local Underground Storage Tax [2 cent/gallon] fund to prevent fuel spills- \$78 million



Group 2: How would energy be distributed?

- Overland by truck



Group 2: Does North Florida have any particular vulnerability in this energy area?



Group 2: What additional information is needed to recommend goals, strategies, and measures?

- Incorporate policies from 2003 Clean Fuel Florida Advisory Report
- Integrated energy delivery strategies

- Volunteers?



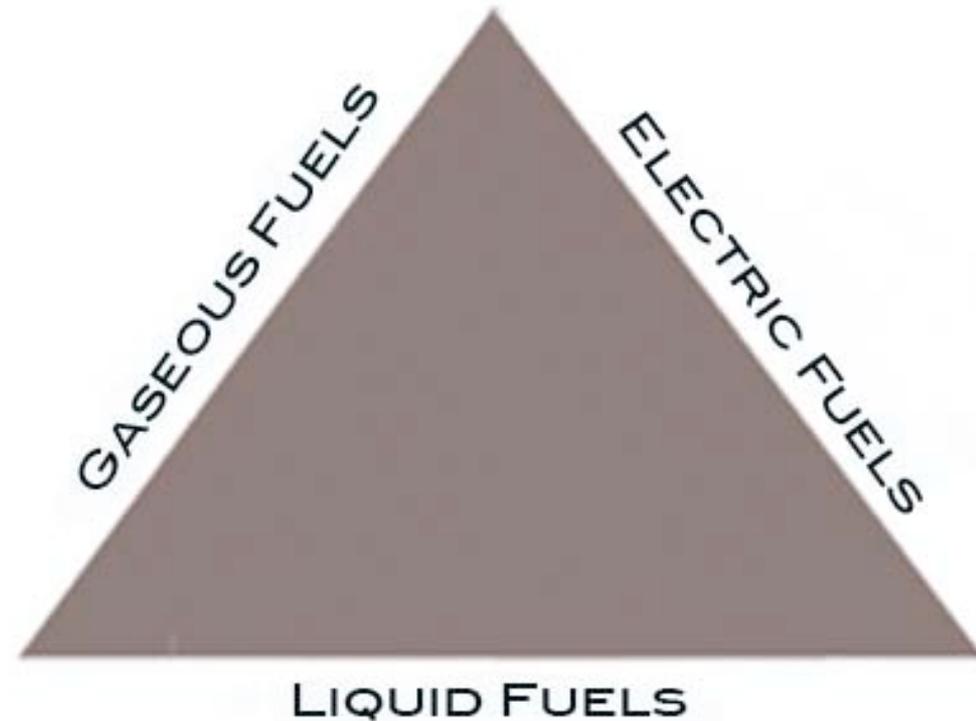
Today's Fuel Prices (NYMEX)

- Crude Oil
 - Diesel (15 ppm)
 - Gasoline (regular)
 - Gasoline (premium)
 - Propane
 - Ethanol
 - Biodiesel
 - Electricity (PHEV – 40)
 - **Natural Gas**
 - Hydrogen
- ~\$85 - \$107/bbl
 - ~\$2.96/dge
 - ~\$2.82/gge
 - ~\$3.26/gge
 - ~\$1.83/gge
 - ~\$3.60/gge
 - ~\$2.00 to \$4.00/dge
 - ~\$1.00 to \$2.00/gge
 - **~\$0.40/gge**
 - ~\$3.20 to \$10.00/gge



Fuel Diversity Empowers Choice

- **Liquid Petroleum-Based**
Ethanol Blends
Biodiesel Blends
- **Efficient Electric Drives**
Advanced Batteries
- **Gaseous Fuels**
LPG
Natural Gas
Hydrogen



Clean Fuel Florida Advisory Board Recommendations

1. Host AF & AFV Tech Summit
2. Enact State AF Use Goals & Rules
3. Fund AF R&D and Fuel Implementation
4. Workshops – Planning, Codes & Regs
5. Transportation System Funding
6. Clean Fuel Transit Systems
7. Statewide Outreach & Education
8. Fund Florida Energy Office

