

ALTERNATIVE FUEL CONSIDERATIONS – PARTNERSHIPS AND VIABLE APPROACHES THAT FIT YOUR NEEDS



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Brief Background

Why I am here...

In the Transportation Industry Since 1988

- Education
- Experience
- Built my first alternative form of transportation in 1995
 - Any Guesses?
- Former PI for an NSF Grant – Preparing Technicians for Advanced Transportation Fuels
- KY Clean Fuels Board Member
- Currently Consulting with the Louisiana Clean Fuels Coalition to assist with the development of a Heavy Duty Diesel Technician Training Program with embedded Advanced Fuels Technology.

Owensboro Community and Technical College

- Established in 1986 to serve Daviess, Hancock, Ohio and McLean Counties in western KY
- Comprehensive Community and Technical College
 - Transfer Programs
 - Career Programs
 - Workforce Development
- Part of KCTCS – a system of 16 Community and Technical Colleges serving the Commonwealth
- Accredited Programs

OCTC (cont.)

- Transportation Programs include Automotive and Diesel Repair Technology
- Advanced Transportation Fuels Training Embedded Throughout the Curriculum
- 2014 – Awarded the Tomorrow’s Technician School of the Year
- Various student engagement projects – ie: 1965 AC Cobra Replica fueled by E-85 and Propane Conversions
- CNG Training lab and refueling station on-site

Why Advanced Transportation Fuels?

Cost of Fuel is low compared to past years....

It's easier to do nothing.

What about Idle Reduction?

Remember: There is no silver bullet.

Do what works for you!

This presentation is merely to get you thinking about options and partnerships to get you where you want to be....

What can be considered viable fuels?

Propane

Ethanol (E-85)

CNG

Electric

Hybrid

BioDiesel



Who currently uses Advanced Transportation Fuels?

What does your use depend on?

Cost/ROI?

Operator Understanding and Acceptance?

Who will repair the equipment? Tech Understanding and Acceptance?

Infrastructure

Incentives

Company Management

How are you making educated decisions about Advanced Transportation Fuels Use?

Research

BASE principal/approach

Best approach accepted company-wide

Totally Incentive Based



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Who are your partners?

Vendors and Techs?

Trainers?

Community Colleges?

Clean Fuels Coalition?

Do you have a grass roots champion(s)?

Are you members of the local community and technical college's advisory board?

Program alignment is key to meeting workforce needs.

Who is your workforce training partner?

Who Trains your technicians?

What are the real incentives to Advanced Transportation Fuels usage?

Grants?

Tax Breaks?

Equipment Longevity?

Reduced Carbon Footprint?

Additional Business Potential due to an Environmental Friendly Approach?

Do you have low hanging fruit and what is it?

Diesel to BioDiesel?

Electric or Hybrid?

Propane?

Conversions/Bi-fuel

E-85 capable vehicles?



Who knows about the:

KCFC?

CMAQ?

KYPERC/PERC?

Volkswagen Settlement?

Available Alt. Fuels Vehicles and Equipment
that is currently available?



What resources are out there to help you?

Want help surveying your fleet?

Clean Fuels Coalitions Can Help!

Learn the difference between myth and truth related to Advanced Fuels!



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QUESTIONS?

THANK YOU

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