Propane Refueling Equipment & Fuel for US Highway Corridors

Intermountain Western FHWA Alt Fuel Corridor Convening Attendees
Salt Lake City, UT
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Larry Osgood, Advisor, Propane Education & Research Council
Propane Refueling is Similar to Gaso & Diesel

- Propane fuel is closest in energy content to G & D
- Propane vehicles carry 300-600+ mile range
- Fuel transfer at 10+ GPM comparable to gaso
- Elec cost for dispensing = to gaso at <1cent per 40 gal
- P dispensed = <300kWh per minute or 1MWh in 3 min
- ~20,000 current dispensers, only few thousand convenient vehicles
- P working w state officials for corridors, appreciate support
Propane Gas = Scalable, Affordable Infrastructure Options
On-site propane autogas stations are the most affordable to install of any conventional or alternative fuel
Fleets can use the same pump and motor to handle a growing number of fuel storage tanks and dispensers
Allowing infrastructure to grow as users add vehicles
Scalable Infrastructure Options

• **Standard private stations** are the best solution for fleets needing a central refueling location. Setup includes a 1,000- to 2,000-gallon tank and a single propane autogas fuel dispenser.
Scalable Infrastructure Options

- **Advanced Private stations** may be the best choice for larger fleets that need a central refueling station. Setup can include higher capacity fuel storage tanks with a canopy and multiple propane autogas fuel dispensers.
On-Site Refueling

Ford Michigan Assembly Plant (MI)

ABC Student Transportation (MI)

KYrene Elementary School (AZ)

Bend LaPine School District (OR)

ROUSH CleanTech (MI)

Amerigas Propane Tank
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