

# Infrastructure and Maintenance

City of La Porte, TransPorte  
Liquid Propane in Public Transportation



## Fleet

7 non-CDL Paratransit Vehicles

2-2013, 3-2016, 2-2017

Dedicated Propane using Roush Systems

Fueling Station on-site since Feb 2016

100% propane since October 2017



## Fueling Station

Costs to build - approx. \$30k

Pad, bollards

Electric (3-phase) with safety shutoff

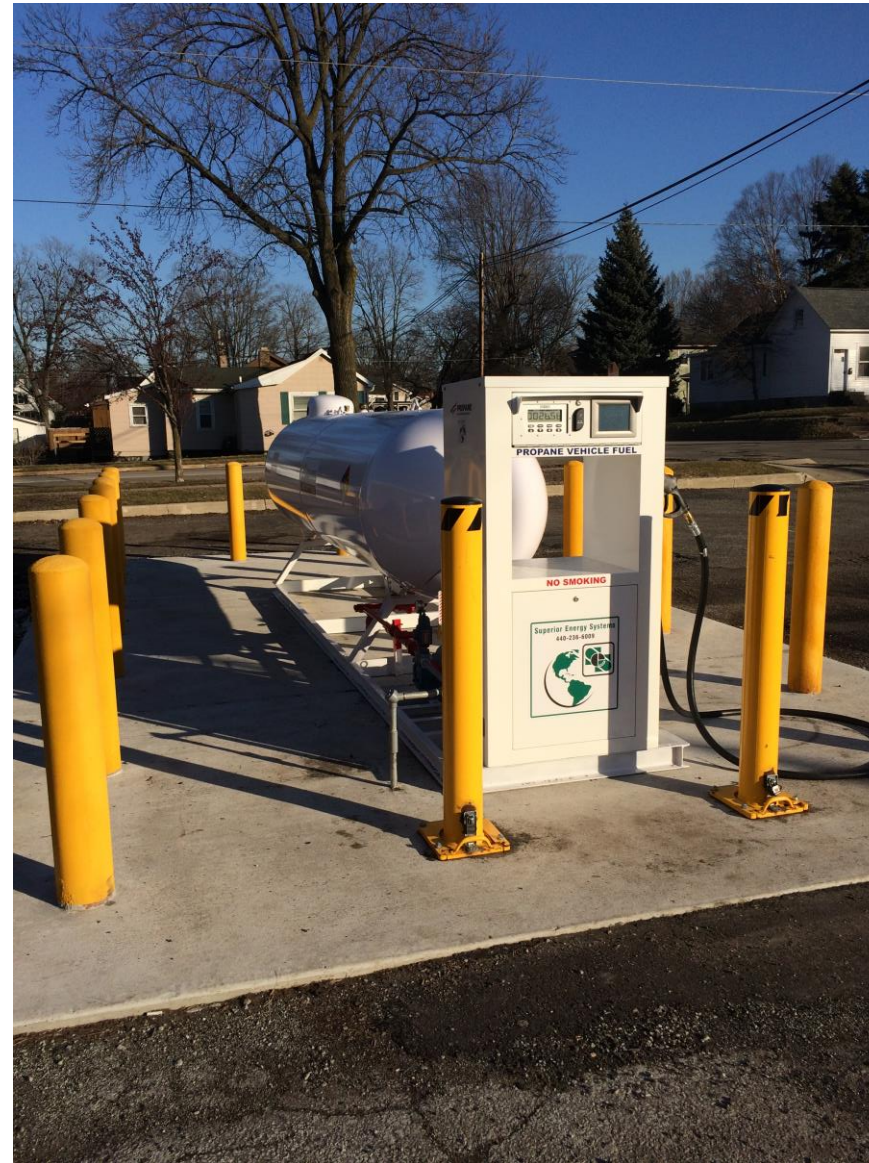
Network wiring to pump

Price for propane includes 38 cents per gal for lease of equipment, pump, maintenance, on-line reporting

24.3K pumped 2017, 28.5k est. pumped 2018

Weekly propane deliveries to 1000 gal tank

Price of propane not locked in, but week to week change is usually no more than 2 or 3 cents



## Building Retrofit for Propane Maintenance

Nothing. Zip. Nada.

Why? Propane more like gasoline than CNG

Heavier than air (no hoods, detectors, special lighting)

Becomes a gas quickly (no spills)

Any scent of propane implies a leak (sealed system)

Sometime have to drain a tank to change a fuel pump or filter (run it dry or vent)



## Vehicle Maintenance

Roush is OEM - Ford Warranty

Roush trains my mechanics, Ford dealership mechanics

Federally funded, oil changes at Ford specs, no change for propane

No serious propane issue

Ford mechanics sometimes point fingers (several trips to diagnose a bad coil)

