

Propane Education & Research Council

Julie Puckett
Consultant
Propane Education & Research Council



Propane Education & Research Council

Since 1998, promotes safe, efficient use of odorized propane through investments in research, safety and consumer initiatives

National Propane Gas Association

Membership is comprised of small businesses and large corporations engaged in all segments of the industry from retail marketing and appliances to manufacturers of equipment

HISTORY



1910-
Propane
discovered
by Dr. Walter
Snelling

1913-First
Propane
vehicle in
USA

2006-Liquid
propane
injection
system in
USA

2007-Roush
Industries
introduces
F-150

2010-Autogas
Development

- Alliance AutoGas
- CleanFUEL
USA/ConocoPhillips

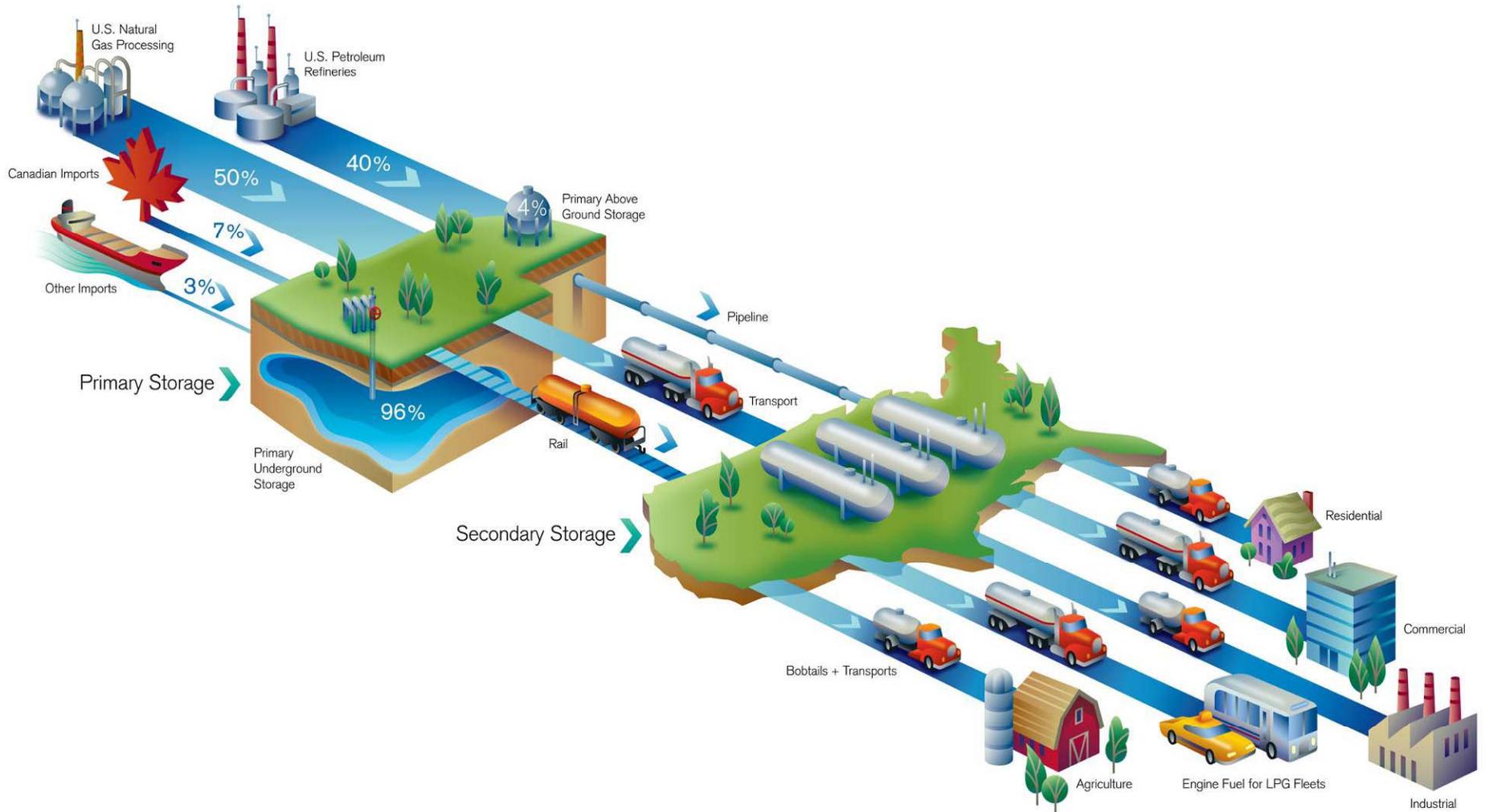
PRODUCTION



50 percent of the propane used in the USA comes from raw natural gas. (Raw natural gas is about 90 percent methane, 5 percent propane and 5 percent other gases.)

40 percent comes from petroleum during the refining process. (Propane vapors separated from gasoline liquid.)

PROPANE SUPPLY & DISTRIBUTION



PROPANE AS AN ALTERNATIVE MOTOR FUEL



270,000 propane vehicles in USA

15 million propane vehicles worldwide

Globally referred to as "autogas"

Vehicles include, taxis, delivery vans, shuttles, trucks, and school buses



WHY PROPANE?



➤ **Economical**

- » Cost effective (lower maintenance and fuel cost)
- » Refueling is the least expensive option even compared to gasoline and diesel
- » Federal and state incentives (\$0.50 per gallon/infrastructure)

➤ **Clean**

- » Reduced emissions
 - › 12 percent less carbon dioxide
 - › 60 percent less carbon monoxide
 - › 20 percent less nitrogen oxide
 - › Up to 24 percent green house gases
 - › Less particulate matter

WHY PROPANE?



➤ **Safe**

- » Nontoxic – poses no harm to groundwater, surface water, or soil
- » Fuel does not spill or leave residue
- » Propane tanks 20 times stronger
- » Low pressure fuel (100-300 pounds per square inch)

➤ **Easy to use**

- » Performance is identical to gasoline
- » Fast and easy re-fueling (8-12 gallons/minute)

WHY PROPANE?



➤ **Readily available**

- » Wide distribution network in every state (thousands of stations)
- » Propane marketer partners can assist with refueling options and costs

➤ **Domestically produced**

- » 90 percent is produced in the U.S., additional 7 percent from Canada
- » Increases energy security and independence

WEBSITE RESOURCES



- **Propane Education & Research Council**
 - » propanecouncil.org
 - » autogasusa.org
- **National Propane Gas Association**
 - » npga.org
- **Dept. of Energy's Alternative Fuel Data Center**
 - » afdc.energy.gov
- **World LP Gas Association**
 - » Worldlpgas.com/gain

PROPANE

EXCEPTIONAL ENERGY®

Julie Puckett
julie@thesales.net
877.411.3243 x807