BENEFITS AND INCENTIVES FOR USING GREENER, CLEANER EQUIPMENT

January 23, 2019

Amy Hodges
Air Quality Planner
Emissions Contribute to Ozone Formation (Non-Road Mobile)

Fuel Spillage Contaminates Groundwater and Air
BENEFITS OF ALTERNATIVE FUEL VEHICLES AND EQUIPMENT

- Reduced Emissions
- Lower Fuel Costs
- Reduced Price Volatility
- Lower Maintenance Costs
- Lower Total Cost of Ownership
Propane (LPG)

Ethanol

Compressed Natural Gas (CNG)

Biodiesel

Hybrid

Electric
Being “green” enables contractors to reach new or niche audiences.

Contractors can leverage low-emissions status in their marketing to access bids that require or give preference to alternative fuel.
Closed-loop fuel system: virtually eliminates the risk of fuel spillage and pilferage.

Reduced labor costs and downtime: from fewer trips to the gas station and reduced maintenance.

Reduced operating costs: 30% less per hour to operate than gasoline.

Courtesy Of:

PROpane education & research COUNCIL
REDUCE EQUIPMENT AND MAINTENANCE COSTS

No Ethanol

No Fuel Shelf-life

Reduced Damage to Equipment Due to Tainted Fuel

No Winterization Issues

Courtesy Of:

PROPLANE education & research COUNCIL
Propane offers safety advantages for your crew compared to other fuels.

• Safety Devices and Shut-off Valves

• Tanks are 20x More Puncture-resistant than Gas and/or Diesel Tanks

• Propane Vaporizes and Dissipates into the Air

• Propane Can’t be Accidentally Ingested
CYLINDER EXCHANGE VS ON-SITE REFUELING

CYLINDER EXCHANGE

Best for small mower fleets (1-10 mowers).

ON-SITE

Best for large mower fleets (10+ mowers).

Courtesy Of:
https://www.youtube.com/playlist?list=PLE9NmIBqsPh6duwSZnFOV6cuGdkRxtcMF
PURPOSE-BUILT ENGINES

BRIGGS & STRATTON

KAWASAKI Engines/Power Products

KOHLER ENGINES

KUBOTA
EQUIPMENT OPTIONS FROM MAJOR BRANDS

- Bob-Cat
- Exmark
- Gravely
- Husqvarna
- John Deere
- Kubota
- R&R Products
- SCAG Power Equipment
- Toro
- Ventrac
- Walker Out Front Mowing
- Wright Commercial Products
There are certified, safe, and reliable aftermarket conversions for nearly all popular small engines and mower models.
Texas (Propane Council of Texas)
- $1000 per qualifying propane mower with cap of $7,000 per entity
- Must use 500 gallons a year
- [www.propanecounciloftexas.org](http://www.propanecounciloftexas.org) and click on Incentives

National (Propane Education and Research Council (PERC))
- $1000 per new factory built propane mower
- $500 per EPA certified conversion
- Cap of 25 incentives per year
- [www.propane.com/mower-incentive](http://www.propane.com/mower-incentive)

$2,000 Combined!
## ON-ROAD VEHICLE FUNDING OPPORTUNITIES

<table>
<thead>
<tr>
<th>Program</th>
<th>Next Planned Grant Round</th>
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<tr>
<td>Propane Council of Texas Vehicle Incentive Program</td>
<td>NOW ACCEPTING APPLICATIONS!</td>
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<tr>
<td>TERP - Texas Natural Gas Vehicle Grant Program</td>
<td>ACCEPTING APPLICATIONS UNTIL MAY 31, 2019!</td>
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<tr>
<td>TERP – Light-Duty Motor Vehicle Purchase or Lease Incentive Program</td>
<td>ACCEPTING APPLICATIONS UNTIL MAY 31, 2019!</td>
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<td>TERP – Texas Clean Fleet Program</td>
<td>ACCEPTING APPLICATIONS UNTIL February 18, 2019!</td>
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<td>TERP – Rebate Grants Program</td>
<td>COMING FEBRUARY 2019</td>
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<td>Texas Volkswagen Environmental Mitigation Program</td>
<td>COMING SOON</td>
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WWW.NCTCOG.ORG/AQFUNDING
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Note: Links to external sites open in a new window. Pop-up blockers may need to be disabled.

Access North Texas
Information about transit planning and coordination

Air North Texas Clean Air Mail
Air Pollution Action Day alerts and air quality tips, news and resources

Air Quality Funding Update
Current and upcoming air quality funding opportunities

Bicycle/Pedestrian Update
Information about bicycle and pedestrian planning, safety, projects, funding opportunities, and events

Clean Cities Newsflash
A monthly newsletter that provides information on alternative fuels and clean technology vehicle options

Clean School Bus Update
Information related to reducing emissions from the school bus fleet, including upcoming grant funding
Funding

Funding for projects that address air quality, such as clean vehicle projects, are available from a number of federal, state, local, and non-profit entities.

Comprehensive List With Links!

Funding for Vehicles

Funding for Other Strategies That Improve Air Quality

Hot Topics

- Volkswagen Settlement
- Clean Fleet North Texas 2018 Call For Projects
- North Texas Airport Emissions Reduction 2017
- Fleets for the Future
Alternative Fuels Data Center: afdc.energy.gov


Alternative Fueling Station Locator:  https://afdc.energy.gov/stations/#/find/nearest

Propane Commercial Mower Info from PERC:

Commercial Mowers:
https://propane.com/dealer-point

“The Cut” eNewsletter (for Landscape Professionals):
https://propane.com/newsroom/subscribe/

Locate Propane Equipment Dealer:
https://propane.com/where-to-buy/find-equipment-dealer/
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