UPS’s Path to Reduced Emissions

Green Drives Conference and Expo

May 18th, 2017
Where We Go
We provide domestic delivery services within 54 countries and export/import services to more than 220 countries and territories.
What We Do
We are the world’s largest package delivery company and a premier provider of global supply chain solutions.

Global Small Package

Supply Chain & Freight

Logistics & Distribution
Solutions such as UPS Mail Innovations that manage the flow of goods from receiving to storage to processing to shipping

UPS Freight
Less-than-truckload and full truckload services in North America and U.S. territories

UPS Capital
Insurance, financing, and payment services

Coyote Logistics: Truckload Freight Brokerage
Brokerage and transportation management services for truckload, less-than-truckload, and intermodal services

Freight Forwarding
A portfolio of global air and ocean freight services

Customs Brokerage
Customs clearance, trade management, and international trade consulting services

UPS Global Logistics Network

U.S. Domestic Package
Full spectrum of U.S. domestic guaranteed ground and air package transportation services

International Package
A wide selection of guaranteed day and time-definite international shipping services

Package Delivery Fleet (package cars) 91,000

Retail Entry Points 150,000

Aircraft 237

Tractor Fleet 19,000
UPS Fleet of Plug-in Electric Package Cars

New York City, 1930’s
UPS Rolling Laboratory
A diverse fleet of alternative fuel and advanced technology vehicles.

Through our rolling laboratory, we can determine how alternative fuels and advanced technologies perform in real-world operating conditions, quickly deploy viable options at scale, and spur market growth for alternative solutions.
UPS Drives 1 Billion Cleaner Miles

Tamara Barker
UPS CHIEF SUSTAINABILITY OFFICER
Alternative Fuel and Advanced Technology Fleet Continues to Grow

- **Compressed Natural Gas (CNG)**
- **Liquefied Natural Gas (LNG)**
- **Propane**
- **Electric**
- **Ethanol**
- **Biomethane (RNG)**
- **Hydraulic Hybrid**
- **Electric Hybrid**

<table>
<thead>
<tr>
<th>Year</th>
<th>Vehicles</th>
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<tbody>
<tr>
<td>2014</td>
<td>5,088</td>
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<tr>
<td>2015</td>
<td>6,849</td>
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<tr>
<td>2016</td>
<td>&gt;8,100</td>
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Trash to Gas

Renewable natural gas (RNG), or biomethane, is derived from many abundant renewable sources, including decomposing organic waste in landfills, wastewater treatment, and agriculture. RNG can be used in any natural gas vehicle. Our commitment to investing in natural gas infrastructure offers a unique opportunity to use this fuel in our extensive fleet.

Methane gas is pulled from acres of buried waste before it is released into the atmosphere as a greenhouse gas emission that is 25 times more damaging to the ozone than CO2.

RNG is distributed across the country through existing natural gas infrastructure.

RNG displaces conventional fuel and its associated carbon emissions.

Methane is purified and processed into RNG.

The total production and use of RNG results in GHG emissions that are up to 90% less than with diesel.
Global Alternative Fuel & Advanced Technology Vehicles

Total Vehicles (US & International): 8,311

Hybrid Electric:
- 484 Package Cars (US)
- 10 Package Cars (International)

Electric:
- 122 Package Cars (US)
- 141 Package Cars (International)
- 18 Electric Bikes (International)

Propane:
- 1,172 Package Cars, 4 Shifters (US)
- 1,117 Package Cars, 13 Shifters (International)

Biomethane:
- 19 Tractors (International)

Composite Body Diesel
- 398 Package Cars (US)

Compressed Natural Gas:
- 1,795 Package Cars, 77 Shifters, 1,358 Tractors (US)
- 76 Package Cars (International)

Liquid Natural Gas:
- 1,354 Tractors (US)

Ethanol:
- 62 Package Cars (International)

Hydraulic Hybrid:
- 91 Package Cars (US)
Thank you