Alternative Fuel

2013

About UPS

- World's largest package delivery company and a global leader in supply chain services
- Headquartered in Atlanta, serves more than 220 countries and territories worldwide
- 397,100 employees worldwide
- 16.3 million packages per day
- 2012 Revenues: $54.1 billion
- 100,069 vehicles
- World’s 9th largest airline

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Recent Recognition

- *FORTUNE* magazine – World's Most Admired Companies
- Ethisphere Institute – World's Most Ethical Companies
- Inbound Logistics – Top 100 Motor Freight Carriers
- Maplecroft – Climate Innovation Index
- Climate Counts – Top 10
- *Newsweek* magazine – Green Rankings
- Dow Jones Sustainability Index – S&P
- Carbon Disclosure Project Leadership Index
- EPA Climate Leadership Awards
- Corporate Responsibility Magazine - 100 Best Corporate Citizens

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UPS: No Bias As To Alternative Fuels/Technologies

- UPS' "rolling laboratory" tests virtually all alternative fuels/technologies with more than 2,500 vehicles in operation worldwide.
- Natural gas – CNG and LNG
- Hydraulic hybrid
- Propane
- Electric hybrid
- Fuel cells
- Plug-in Electric – 15 electric vans in NYC in 1930's

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The first UPS alternative fuel vehicles

1936 Electric Vehicle Fleet – Manhattan, NY

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Mesquite, Texas

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Alternate Fuels and Technology

Total Alternative Fuel Vehicles (U.S. & International): 2,595

Hybrid Electric:
- 380 Package Cars (US)
- 1 Package Car (International)

Electric:
- 102 Package Cars (US)
- 34 Package Cars (International)

Propane:
- 8 Shifters (US)
- 861 Vehicles (International)

Biomethane:
- 10 Tractors (International)

Compressed Natural Gas:
- 900 Vehicles (US)
- 93 Vehicles (International)

Liquid Natural Gas:
- 114 Tractors (US)

Ethanol:
- 46 Package Cars (International)

Hydraulic Hybrid:
- 41 Package Car (US)

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Alternate Fuels and Technology

Total Alternative Fuel Vehicles (U.S. & International): 2,595

U.S. Alternative Fuel Fleet: 1,545

- Compressed Natural Gas Vehicles: 900
- Hybrid Electric Vehicles: 380
- Liquid Natural Gas Vehicles: 114
- Propane Vehicles: 8
- Electric Vehicles: 102
- Hydraulic Hybrid Vehicles: 41

International Alternative Fuel Fleet: 1,050

- Compressed Natural Gas Vehicles: 93
- Hybrid Electric Vehicles: 6
- Propane Vehicles: 861
- Electric Vehicles: 34
- Ethanol Vehicles: 46
- Biomethane Vehicles: 10

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Alternative Fuel / Technology Vehicles

- **The Global Alternative Fuel and Advanced Technology Vehicle Count will increase from 2744 to 4137 with the 2013/2014 approved orders (+51%)**
- 2013/2014 – Approved Deployment (includes Q4 2013)
- Propane Package Car Test (Domestic)
  - Test Deployment to evaluate vehicle performance
    - 20 Package Cars
    - 1 Domestic Site with UPS Propane Station (Gainesville, GA)
- CNG Tractor Test (Domestic)
  - Test Deployment to evaluate vehicle and operations performance
    - 45 CNG Tractors
    - 3 Cities with UPS CNG Stations
- LNG Tractor Deployment (Domestic)
    - 935 LNG Tractors (+113 Current)
    - 10 LNG Dual Fuel Conversions
    - 13 Cities with UPS LNG Stations (Brings UPS to 14 Total)

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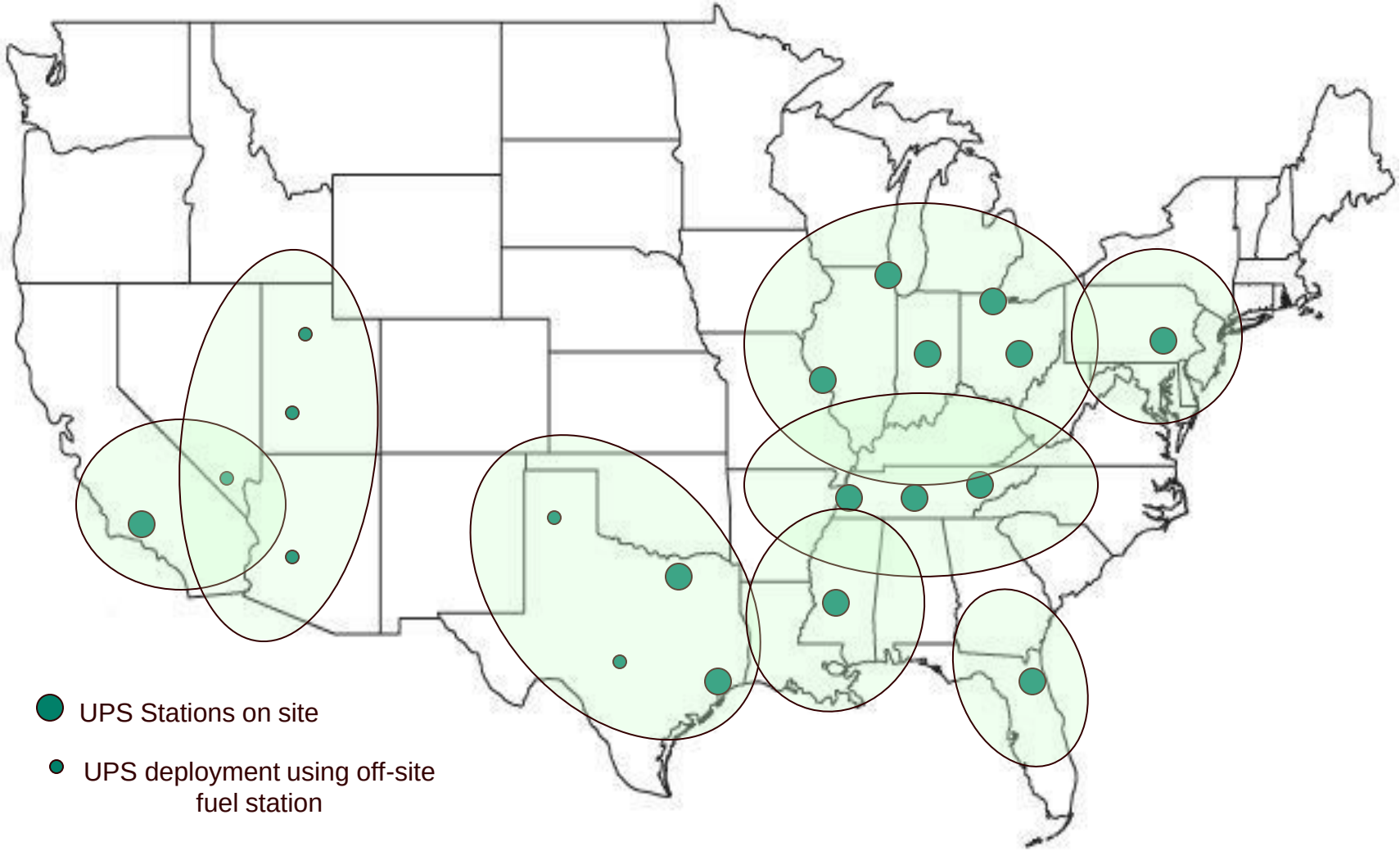
LNG Deployment / Operating Area – 2013-2014



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CAP Dual Fuel LNG

Conversion of 10 Mack MP8 Tandems

- First Unit Complete
  - Road Test one week
  - Deliver 10/16/13
  - Driver Training 10/17/13

- Second Unit 10/20/13

- Remaining 8
  - One per week

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Whites Creek, Tennessee

- Project status
  - Station complete
  - Shop complete
  - First fuel delivery Oct 2013
  - Pilot training program scheduled
- Vehicles
  - 66 tractors
  - Phase delivery scheduled to start 10/25

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Propane – Gainesville, Georgia

- 20 package car vehicles
- 1,000 gallon AST
- Single dispenser
  - Com Data fuel reconciliation system (card swipe) to be installed in October
- Commissioned 9/12

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Propane – Gainesville, Georgia

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Thank you.

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Thank You