

## Tracking GHG Emissions from Transportation Fuels in Los Angeles

Gretchen Hardison
EnvironmentLA
City of Los Angeles
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- General Services
  - Sanitation
  - Street Services
  - Recreation and Parks
  - Parking Enforcement
  - Security Patrols
  - Delivery Services
  - Dept-assigned vehicles

- Department of Transportation
  - DASH-Neighborhood Shuttles
  - Commuter Express
- LA Police Department
- LA Fire Department
- Los Angeles World Airports
- Port of Los Angeles
- Department of Water and Power



- Gasoline
- Diesel
- Jet Fuel (Jet A)
- LNG
- CNG
- Propane (LPG)

- 7.5 million gallons
- 7.0 million gallons
- 0.77 million gallons
- 2.3 million gallons
- 0.07 million gge
- 3.2 million gallons

# General Services Fuel Data

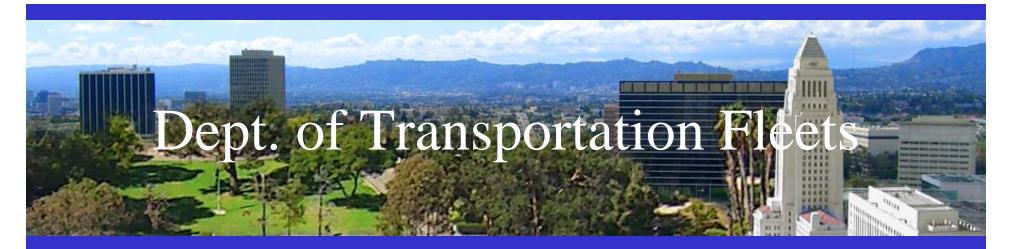
- Main frame based electronic inventory "Vehicle Management System"
- Track many criteria including:
  - ID#, Make & Model, Engine Year
  - Type of fuel
  - Maintenance information
  - Odometer at last maintenance check
  - Garage location
- System updated with each maintenance check
- Problem: Odometer readings not always updated
- Solution: Re-train maintenance staff



- GSD purchases fuel for GSD-maintained fleets, LAFD, LAPD
- Multiple delivery/fueling locations
- Deliveries monthly (or more often)
- Fuel consumption determined by amount ordered
- LNG fuel consumption includes amount vented to maintain fuel tank pressure
- Fuel data by fuel type available (CO2 emissions)



- Buses owned by City
- Operations and Maintenance by Contractor
- DASH buses (propane) 5 contracts
- Commuter Express (diesel)
- CityRide (gasoline)
- Financial vs. Operational Control



- Problem: Fuel data not easily available no backup
- Contract cost based on service provided (drivers, fueling, maintenance, mileage)
- Contract requires submittal of passenger counts, fares collected and revenue miles
- Difficult to obtain past fueling records



- Lots of legwork
  - Contact multiple vendors
  - Request fuel records
- Vehicle mileage study with field checks
- Fixed rate miles
- Calculated fuel use



### • Bus Fleets

- Using "TransTrack" program to track fuel usage by vehicle
- Real-time route management devices

## GSD Fleets

- Modify vms to strengthen mileage reporting
- Continue to work with maintenance staff



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**Climate Change** · The City's Climate Action efforts led by EnvironmentLA and other resources

Green Building · The Los Angeles Green Building Ordinance, incentives and other helpful information

**Enforcement** · Citywide regulation of solid waste-related facilities and environmental audits

- Gretchen Hardison, Director, Climate & Air Programs 213.978.0852 gretchen.hardison@lacity.org
- Craig Tranby, Supervisor II, Climate & Air Programs 213.978.0853 <a href="mailto:craig.tranby@lacity.org">craig.tranby@lacity.org</a>