



Tracking GHG Emissions from Transportation Fuels in Los Angeles

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The “Seven Fleets” of Los Angeles

- 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



Traditional and Alternative Fuels

- Gasoline 7.5 million gallons
- Diesel 7.0 million gallons
- Jet Fuel (Jet A) 0.77 million gallons
- LNG 2.3 million gallons
- CNG 0.07 million gge
- Propane (LPG) 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



Centralized Fuel Purchasing

- 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)



Dept. of Transportation Fleets

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



Dept. of Transportation Fleets

- 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



Department of Transportation ~Solutions

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



On-going Work

- 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



Contact Information

- **EnvironmentLA.org**

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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

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