FLEET SERVICES
OVERVIEW and ACCOMPLISHMENTS
Public Works Commission
August 10, 2017
DESCRIPTION OF FLEET OPERATION

- Fleet operations include vehicle and equipment maintenance, procurement and surplus services, regulatory compliance, alternative fuels supply and infrastructure, and staff training and certifications.
- The Fleet program is tasked with the purchase, maintenance, repair and disposal of City vehicles and equipment.
- The City’s Fleet currently consists of 415 vehicles and related types of equipment in 118 different classifications.
- Fleet Staffing currently consists of seven full-time mechanics, two full-time lead mechanics and one fleet supervisor.
FLEET VEHICLE INVENTORY

- Police Department  118 Vehicles
- Fire Department    39 Vehicles
- Comm. Development  8 Vehicles
- Comm. Services     4 vehicles
- Information Tech.  5 Vehicles
- Public Works      241 Vehicles
REGULATORY MATRIX

• South Coast Air Quality Management District (SCAQMD)
  o Rule 1186.1 – Less Polluting Sweepers.
    ➢ July 1, 2002, all government agencies shall purchase or lease only alternative fueled sweepers.
  o Rule 1196 – Clean On-Road Heavy-Duty Public Fleet Vehicles
    ➢ July 1, 2002, public fleets with 15 or more heavy-duty vehicles shall purchase or lease only alternative fueled or gasoline heavy-duty engines.
  o Rule 1193 – Clean On-Road Residential and Commercial Refuse Collection Vehicles.
    ➢ Solid waste collection fleets to acquire alternative fueled heavy-duty refuse collection vehicles for use by governmental agencies.
  o Rule 1470 – Stationary Diesel Fueled Internal Combustion Compression Ignition Engines.
    ➢ January 1, 2006 – An owner of an in-use stationary diesel fueled engine must use California Air Resource Board (CARB) approved diesel fuel.

• CARB regulation for off-road diesel fueled fleets – Limits idling and reduces emissions by retiring, replacing or repowering older engines.
EXAMPLE OF REPLACEMENT ANALYSIS
CNG TRASH TRUCKS

• Establish truck for replacement – diesel trash truck. Based on age, miles, maintenance and repair history, physical condition and duty requirements.
• Review SCAQMD requirements – Rule 1193 – Commercial Refuse Vehicles.
• Funding mechanism – replacement funds and / or any capital appropriation or budget enhancement.
• Alternative Fuels – Compressed Natural Gas (CNG).
• Cost differential of CNG versus Diesel - CNG @$25,000 - $60,000 more per unit.
• Mobile Source Air Pollution Reduction Review Committee (MSRC) grant offset = $25,000 per unit.
• CNG diesel gallon equivalent (DGE) cost of $1.80 vs. $2.35 for renewable diesel.
• Federal Government provides a $ .50/gallon credit for CNG.
• CNG engine maintenance has proven to be slightly less than diesel engine maintenance.
• Life-cycle estimated at 7 years based on items listed above.
VEHICLE PROCUREMENT PROCESS

- Fleet Management reviews vehicle replacement list annually – Develops 5-Year capital replacement report for Budget.
- Fleet personnel meet with client to determine:
  - Is funding allocated in Vehicle Replacement Fund?
  - Are there approved budget enhancements for newly requested vehicles?
  - Can the vehicle’s life-cycle be extended?
  - Is there an appropriate or mandated alternative fuel vehicle available?
  - What technology or accessories will be required for the replacement vehicle?
- Have we complied with any applicable regulatory mandates?
- Fleet develops purchasing documentation following requirements in the Municipal Code; Title 3.
- Quotes / Bids are received and reviewed by staff for conformance.
- Purchasing contracts are routed through appropriate approval level process.
- Once a purchase order is received vehicles are ordered, delivered, upfitted and inspected before being accepted and placed into service.
- Surplus vehicles are then removed from service and sent to auction.
MAJOR “GREENING” INITIATIVES IN FLEET SERVICES

• Mobile Source Air Pollution Reduction Review Committee (MSRC) provided a $350K grant for construction of a Compressed Natural Gas (CNG) fueling station. This project was completed in 2012.

• MSRC also provided a $250K grant toward the purchase of ten (10) heavy-duty CNG trucks. This project was completed in 2016.

• Fleet Service Center is a Leadership in Energy and Environmental Design (LEED) Silver Certified facility and was the City’s first LEED certified facility. This facility was completed in 2008.

• City fleet consists of 158 alternative fueled vehicles which includes flex fuel, hybrid, electric and CNG.

• City fleet has two battery electric hybrid trucks in the Utilities and Streets Division with delivery of a third vehicle expected in October 2017.

• Fleet Services has been using all re-refined lubricants in City vehicles and equipment since 2008.

• Vehicle purchases follow the Beverly Hills Sustainable City Plan.
  • ....minimize mobile source emissions from on-road and off-road vehicles and stationary equipment.
Successfully specified, purchased and placed into service 60 new fleet vehicles at a cost of @$4M.
Successfully disposed of 59 surplus vehicles and equipment at cost revenue to the City of @$160K.
Successfully specified, purchased and built a new Police Mobile Command Center at a cost of @$900K that was placed into service in April 2017.
Successfully specified and purchased two new replacement CNG Solid Waste Collection vehicles at a cost of @$725K, delivery to occur in October 2017.
Successfully transitioned City diesel fuel usage to renewable diesel thereby reducing our GHG emissions by @13% - 21%.
Successfully operated City CNG Fueling Station and accompanying maintenance contract that generated a savings of @$70K in fuel costs.
Fleet Services successfully achieved 96% fleet availability for FY16-17. Industry standard is 85% - 90%.
FLEET AWARDS

- Fleet Services was recognized as one of the Top 50 Leading Fleets in the Nation for 2015 and 2016 by Bobit Business Media and Leading Fleets Program.
- Fleet Services was recognized as #19 of the Top 50 Leading Fleets in the Nation for 2017 by Bobit Business Media and Leading Fleets Program.
- Fleet Services was awarded the ASE Blue Seal of Excellence for the fourteenth consecutive year in 2017.