



Contra Costa County Public Works Department

Julia R. Bueren, Director

Deputy Directors
R. Mitch Avalon
Brian M. Balbas
Stephen Kowalewski
Joe Yee

DATE: October 5, 2015

TO: Internal Operations Committee

FROM: Carlos Velasquez, Fleet Manager, Fleet Services

SUBJECT: Internal Operations Committee's request for recommended revisions to Administrative Bulletin 508.4 County Vehicle and Equipment Acquisition and Replacement Policy, and Clean Air Vehicle Policy and Goals and to break out large construction vehicles from Clean Air Vehicle report.

The attached document contains revisions to Administrative Bulletin 508.4 which includes administrative changes to update the Bulletin to reflect the merger of the General Services Department into the Public Works Department and suggestions to expand the definition of Clean Air Vehicles to include electric and fuel cell technology.

In order to better illustrate the County's progress toward a cleaner and greener fleet, we have reformatted the information below to only include light, on-highway vehicles in the statistical information since these are the vehicle types that have the greatest opportunity for alternative fuel power plants.

Fiscal Year	Total # of Vehicles in County Fleet (Light On-Highway)	# of Vehicles Exempt from Clean Air Vehicle Policy (Patrol, Fire, Paramedic, etc.)	# of Clean Air Vehicles (electric, CNG, hybrid)
2012-13	726	290	165
2013-14	865	380	183
2014-15	919	398	191

Public Works Fleet Services has been proactively working under the County's Clean Air Vehicle Policy guidelines with the intent of achieving a greener fleet. Fleet Services continues to educate our customer departments regarding the advantages and benefits of downsizing and right-sizing the Fleet. This includes the practice of replacing unleaded fueled vehicles with Hybrid, Electric or Compressed Natural Gas units where applicable. Hydrogen fuel cell technology will also be considered in the future as the hydrogen fueling infrastructure grows and units become more affordable. A blended, standardized Fleet is the ideal combination we are striving to achieve.

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255 Glacier Drive Martinez, CA 94553-4825
TEL: (925) 313-2000 • FAX: (925) 313-2333
www.cccpublicworks.org

Fleet Services is committed to supplying our customer departments with alternative fueled vehicles and equipment whenever possible, while also maintaining operational needs and cost effectiveness. This commitment to lower our carbon footprint on our planet includes providing or sourcing alternative fuels for use in County vehicles in place of fossil fuels whenever possible. For example, Fleet Services is no longer purchasing bio-diesel and has switched over to 10% renewable diesel at 5 cents less per gallon.

Fleet Services currently supplies gasoline, 10% renewable diesel, and compressed natural gas fuels for all County units at the County Fueling Station located at 2471 Waterbird Way. Fuel products are available to our customers 24 hours per day, 7 days per week. Electric vehicle charging stations are available at the 651 Pine Street rear parking lot and at the Fleet Service Center at 2467 Waterbird Way for the County's electric vehicles. We are looking at expanding the number of charging stations to service County electric vehicles at department sites as well as providing some available to the public and employees for their private vehicles.

Alternative fuel products dispensed to county vehicles (FY 14/15)

Compressed Natural Gas	Bio-Diesel (5%)
Transactions: 1,493	Transactions: 5,365
Avg unit Price: \$3.10	Avg unit Price: \$3.29
Quantity of Product: 8,237 GGE	Quantity of Product: 111,713 gal

During the previous fiscal year (FY 2014-15) Fleet Service purchased more hybrid, CNG, and 100% electric vehicles than any prior years.

3 Year Purchase cycle (ISF) Hybrid, CNG, Electric

Units Purchased	Vehicle Fuel Type	Model YR
15	HYBRID	2013
5	HYBRID	2014
11	COMPRESSED NATURAL GAS	2015
9	ELECTRIC	2015
31	HYBRID	2015
1	HYBRID	2016
72		

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Green Vehicle Report Memo - IOC 10.5.15.doc

Attachment

c: J. Bueren, Public Works Director

J. Yee, Deputy Public Director