

Contra Costa County, Public Works, Fleet Services

1

2016-2017



Carlos Velasquez, Fleet Manager

Fleet Services Mission Statement



Fleet Services supports the Contra Costa County Departments by providing safe, reliable, economical and environmentally-sensible transportation and related services that are responsive to the needs of our customers.



FLEET SERVICES

2015-2016

2



What We Do



Maintenance and Repair Shop

Preventive maintenance
Light and heavy duty
Mechanical repairs
Vehicle fabrication/
modifications
Law Enforcement /Vehicle up
fitting
Smog certifications
Sublet specialized work
Parts procurement
Vehicle towing
Carwash services
Regulatory compliance
HAZMAT manifests

Business Office

Fleet consultation services
Vehicle and equipment
procurement
Vehicle Registration
Vehicle Transfers
Process Automation
Business analysis
Data analysis
Records Management
Sustainability
Grant administration
Project management
Specification writing
ASSETWORKS M5 vehicle
software management

Business Office cont

Asset management
Regulatory compliance
Vehicle disposition
Loaner vehicle program
Long term rentals
Short term rentals
Motor Pool rentals
Hourly rentals
GPS Deployment/Data
tracking
Fueling services
❖ Gasoline
❖ Renewable Diesel
❖ Compressed Natural Gas
❖ EV Plug ins
❖ Propane
❖ Voyager Fuel card services



FLEET By the Numbers

4

- \$14M operating budget
- 17.FTE
- \$ 2.6M vehicle replacement/additions
- 1600 pieces of vehicles and equipment
- 1356 Rolling Stock ISF Fleet Services owned vehicles
- 7,903 Work Orders processed, 26, 233 Labor hours
- Assets \$48 Million
- Customer satisfaction rate 90%



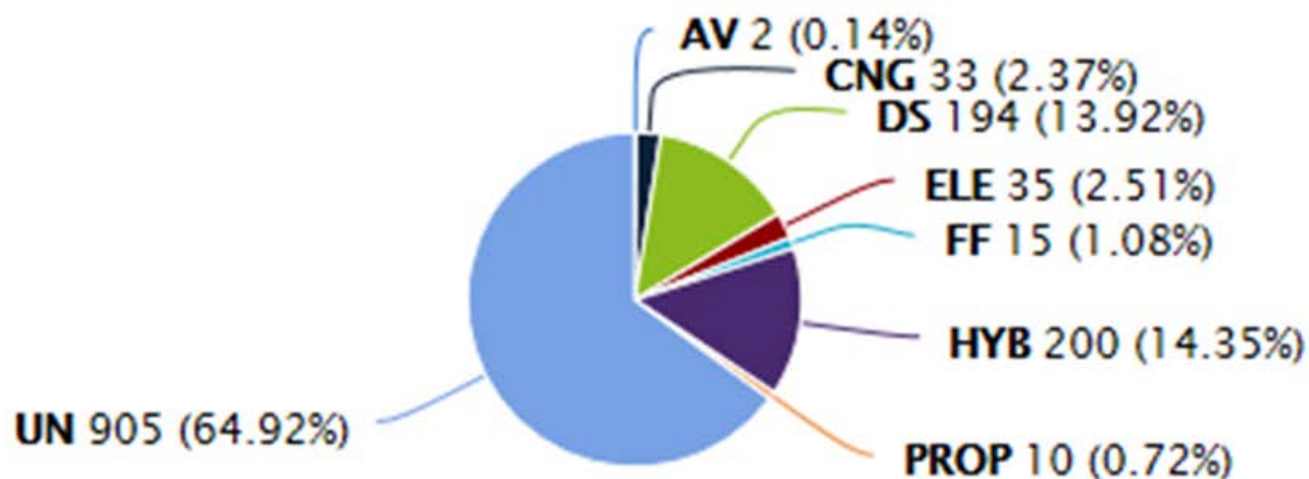
A.S.E, AUTOMOTIVE SERVICE BLUE SHIELD OF EXCELLENCE RECOGNIZED FLEET

- There are currently 38,000 Municipal Fleets across the Nation.
- CCC, PW, Fleet Services is only one of a handful ASE Blue Shield status Fleets in CA.
- 75% of technicians performing diagnosis and repairs are now ASE certified, this includes 9 Certified Masters and 2 Double Masters.
- Minimum eligibility for Blue Shield status includes 16 areas of service offered in the shop that must be covered by qualified ASE-Certified Journey Level Technicians.
- Expertise in areas are but not limit to:
- Buses, CNG (compressed natural gas), Advanced Engine Computer Systems Diagnostics, Repairs, and Service just to name a few.



Contra Costa County's Fleet by Fuel type, moving the needle towards Greening the Fleet.

6



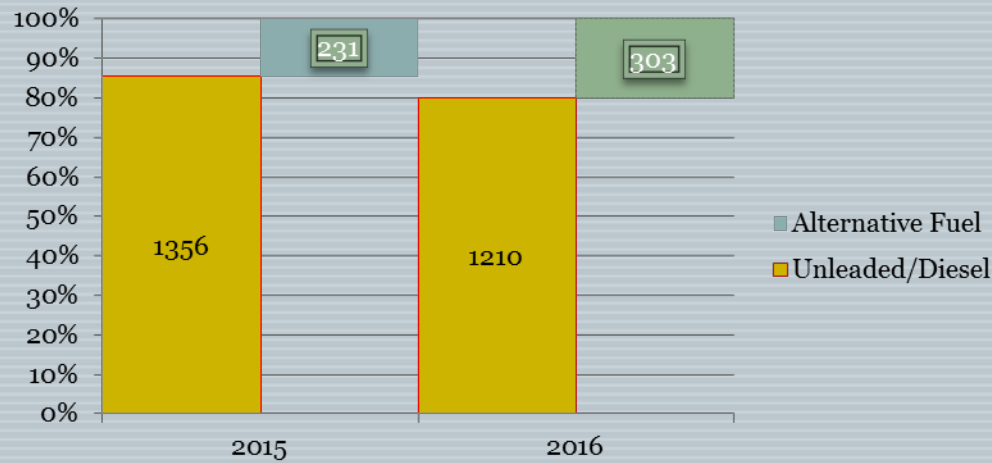
AV CNG DS ELE FF HYB PROP UN

The Greening of The County Fleet

7

- **Goal**
- Reduce greenhouse gas emissions and operating costs of vehicles by converting fleet to more fuel efficient and green vehicles
- **Desired Results**
- 20% of fleet converted to alternative fuel (hybrid, CNG, electric) vehicles by 2020

Alternative Fuel Vehicles



FLEET SERVICES GOALS 2015-16

8

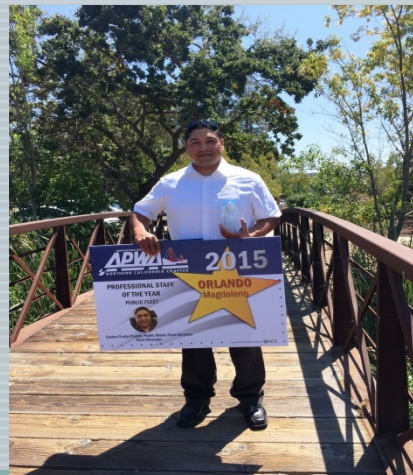
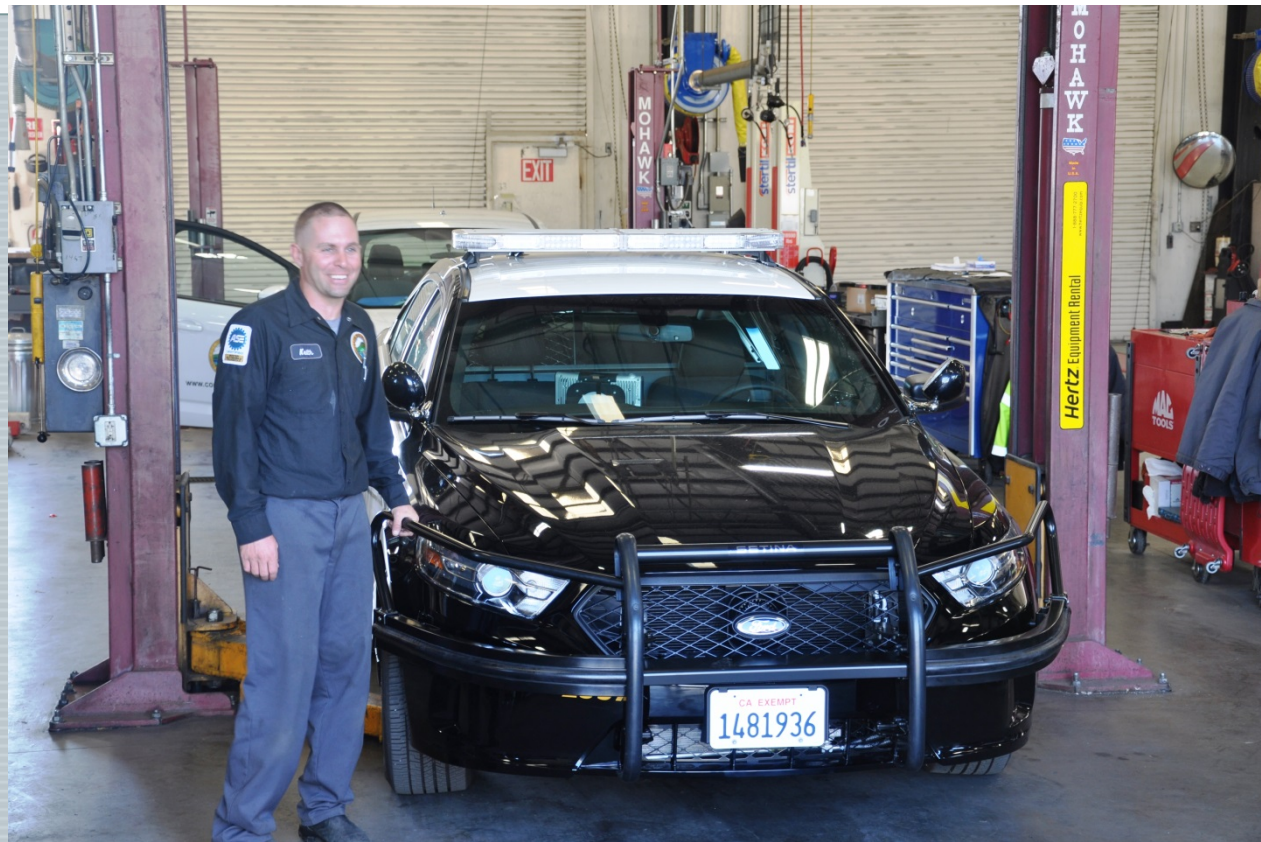
- Continue to Analyze, right size County Fleet via utilization reviews (Avoid Fleet Creep)
- Expand the use of Hybrid, and Green Alternate fueled vehicles (Plug –Ins) Purchased 9CNG vans, 2 CNG sedans, 8 Electric plug in vehicles, taking advantage of grant funding.
- Doubled the number of EVC stations from 4 to 8 total (P&M 2)
- Update Fleet (APWA)policies, on the way to get APWA Certified
- Implement on line Pool Car Valet system(Local Motion)
- Robust Continual Employee Technical Training
- Expand metric and benchmarking data capture
- Continue to pursue grant funding opportunities



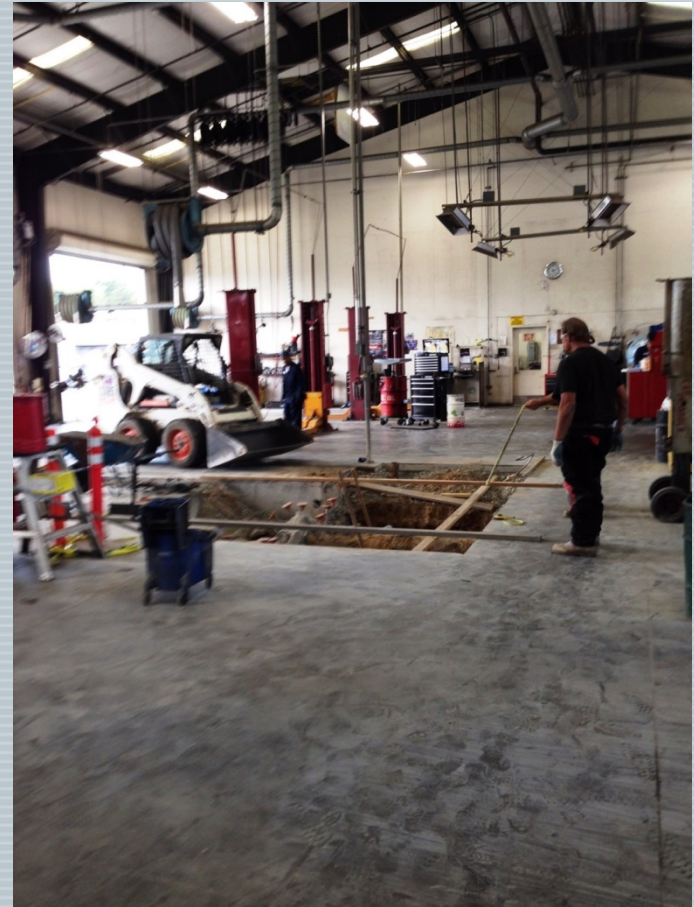
IN HOUSE LAW ENFORCEMENT AND VEHICLE UP- FITTING







Installed new 78,000LBS Lift For in House Service and Repair Of Buses and Heavy Equipment









PUBLIC WORKS , FLEET SERVICES

Local Motion on-line vehicle car pooling reservation system



PUBLIC WORKS , FLEET SERVICES



Local Motion

17



Implemented Tap and Go! Local Motion System :

- Ride Sharing
- Hub Consolidation
- Less vehicles
- Increase usage
- Lowers costs

We share a commitment to provide exceptional customer service and see car sharing as a big part of the future of mobility within the county.

Electric Vehicle Master Controller manages multiple charging stations to reduce costs

Properties using the EVMC controller need fewer individual circuits, which means less conduit, less wiring and lower construction costs upwards of 50% in some cases.

Even though our building only had electrical capacity to support one charging station at the back parking lot, a master controller device was installed that will daisy chain and split charging time to all 4 vehicles that are plugged in.



Contra Costa County, switched from biodiesel to R99 renewable diesel to fuel many of our heavy-duty diesel vehicles

In making the switch, we expect to reduce greenhouse gas (GHG) emissions by up to 65% and an estimated 5,000 tons annually.

Other benefits include a reduction of NOX and a 33% reduction of particulate matter PM 2.5.

Switching over to renewable diesel delivers direct reductions in GHG and lowers our carbon footprint on our planet.



New Fast Response Mobile Repair/Service Truck



- ❑ Provides on site emergency repairs, onsite mobile lube and oil.
- ❑ Fully equipped and ready to handle field repairs and services.
- ❑ Deployed in Sherriff FOB , sub stations and all Departments.
- ❑ Saves downtime, travel time , labor time , downtime, fuel and lowers our carbon footprint and GHG.



DEPARTMENT OF PUBLIC WORKS

21



Julie Bueren, Director of Public Works



Joe Yee, Public Works, Deputy Director



PUBLIC WORKS , FLEET SERVICES