

CITY OF CHULA VISTA

BIOFUELS

MUNICIPAL FLEET
OPPORTUNITIES &
BARRIERS



The City's Fleet

558 Total Vehicles

Biodiesel = 146 vehicles

CNG = 12 vehicles

Propane = 2 vehicles



The City's Infrastructure - Biodiesel

Facility	Infrastructure
Corporate Yard	12,000 gallon above ground tank
Fire Station 2	1,000 gallon underground tank
Fire Station 4	1,000 gallon above ground tank
Fire Station 7	1,000 gallon above ground tank



The City's Biodiesel Fuel

- Biodiesel Sourced from New Leaf Biofuel and distributed by the Soco Group
- Biodiesel splash blended in the delivery truck for B20



Biodiesel Pros and Cons

- Pros
 - Easy conversion from conventional fuel
 - Possibly no infrastructure cost
 - Immediate 20% displacement of fossil fuel usage (B20)
 - Most vehicle warranties now cover B20
- Cons
 - Higher fuel cost
 - May not be readily assessable
 - Some possible regulatory hurdles
 - Filters may clog in idle equipment like generators



The City's Infrastructure – Propane Tank

- On loan from propane provider on condition we purchase all of our propane from them



Propane Pros and Cons

- Pros
 - Low fuel cost
 - Cleaner burning
- Cons
 - Very limited vehicle availability
 - May not be readily assessable
 - Small fuel tanks (limited range)



Biofuels Municipal Fleet – Recommendations

- Look for a Partner
 - Local transit or water/wastewater agencies may help pay for your infrastructure or purchase your fuel
 - Vendors may fund infrastructure in exchange for fuel surcharge or sole source
- Structure Vehicle Purchase or Investments to Capture Credits/Rebates
 - Government doesn't pay taxes
- Look at Contracting Opportunities
 - Consider biofuel requirements when requesting bids for services (i.e. street sweeping)



Contact Information

Steve Dorsey, CPFP, Fleet Manager

sdorsey@chulavistaca.gov

619-397-6194

Michael Lengyel, Sr. Management Analyst

mlengyel@chulavistaca.gov

619-397-6048

City of Chula Vista

1800 Maxwell Road

Chula Vista, CA 91911

