



# THE EAST BAY BULLETIN

"News and Events from the East Bay Clean Cities Coalition"

## Recent Clean Fuel Projects

The East bay Clean Cities Coalition is involved in numerous clean fuel and vehicle projects throughout the Bay Area. Here are a few highlights.



### Mobile Liquefied Natural Gas (LNG) Cold Ironing, Oakland, CA



A tanker in the photo above operates in port using dirty bunker fuel while in the photo below, clean burning LNG provides fuel to power a tanker



#### **Port of Oakland, CA**

Seaports are huge users of petroleum products and thus large polluters. Neighborhoods near seaports, such as West Oakland, suffer from elevated levels of asthma, respiratory disease and premature death. Ships at berth require large amounts of power to run their support systems. This is currently done for the most part by running the large, dirty onboard diesel engines to power the ship's generators. However, there is a better and much cleaner method. Using mobile generators with Liquefied Natural Gas (LNG) to power ships at berth (cold ironing) displaces petroleum and reduces pollution.

The average container ship emits some 28 tons of pollutants each day while at berth. The CleanAir Logix mobile LNG cold ironing system was tested at the Port of Oakland and verified to reduce pollution 90% and GHG emissions 50%; it also displaces over 100 gallons of heavy petroleum per hour. East Bay Clean Cities Coalition staff are part of the project team working to eliminate this major source of pollutants into economically disadvantaged East Bay communities.



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## BIOFUELS COME TO SOLANO COUNTY

### **FAIRFIELD, CA**

The Plaza Oliver Valero service station in Fairfield recently became the newest addition to the East Bay alternative fueling infrastructure and the first site in Solano county to sell biodiesel fuel. Plaza Oliver partnered with Easy bay Clean Cities Coalition stakeholder DMC Green to make the concept of biofuels in Fairfield become a reality. The station, which opened about a year ago, sells B5 biodiesel and E85 ethanol alternative fuels, in addition to regular gasoline.

East Bay Clean Cities Coalition partnered with owner Matt Hussain to help publicize the grand opening and identify potential fleet customers. Hussain said he has long planned to sell biofuel, an undertaking for which he partnered with the Stockton-based firm DMC Green. Hussain further said offering biofuel is a way of making his station, one of dozens in the city, stand out.

'I need some exposure,' he said. 'On my own, I am just selling regular fuel -- everyone can get the fuel anywhere. Biodiesel is kind of unique. By signing up with them, I am getting a little exposure for people coming here for biodiesel.'

This is simply the latest trend in the rapidly expanding biofuels field. Biofuels are not just good for the environment but as indicated above may also be used for unique marketing strategies. E85 ethanol and B5 biodiesel biofuel stations are becoming more prevalent throughout the region and the nation.



DMC Green's dual biofuel (B5 & E85) dispenser unit.



Plaza Oliver's Matt Hussain, left and Fairfield Mayor Harry Price, right cut the ribbon!