

# NAS NORTH ISLAND - NAVY REGION SOUTHWEST NAVY ENVIRONMENTAL LEADERSHIP PROGRAM

## POLLUTION PREVENTION

### CNG FUELING STATION / ALTERNATIVE FUEL VEHICLES (AFV)

#### LEAD ACTIVITY

Naval Air Station (NAS) North Island

#### STATUS

Completed

#### MISSION

Use of alternative fuel for Navy fleet vehicles

#### DESCRIPTION

In a partnership with San Diego Gas & Electric (SDG&E), and the [Navy Public Works Center \(PWC\), San Diego](#), a compressed natural gas (CNG) fueling station was installed at NAS North Island in 1995. The CNG station allows CNG-fueled vehicles to be permanently assigned to North Island. NAS North Island currently has 22 CNG powered trucks and 3 CNG powered vans. It was the first CNG station installed at a Navy facility which was also open for civilian and community use.

A CNG station also exists at Naval Station 32nd Street, and one is planned for NAS Miramar. This network of Navy CNG fueling stations will augment the commercial CNG fueling stations in San Diego County. PWC San Diego is converting two hundred gasoline powered vehicles Navy fleet vehicles to CNG each year. Also, new CNG vehicles will be purchased as older gasoline powered vehicles are phased out of service.

NO<sub>x</sub> and hydrocarbons react with sunlight in the lower atmosphere to form Ozone, commonly known as smog. CNG powered vehicles are clean - they emit 85% less NO<sub>x</sub>, 70% less reactive hydrocarbons, and 74% less Carbon Monoxide than similar gasoline powered vehicles. The use of CNG-fueled vehicles significantly reduces emissions of ozone precursors and will help the San Diego County air basin reach attainment of Clean Air Act ambient air quality standards for ozone by 1999.



**CNG Powered Pickup Truck at NAS  
North Island CNG Fueling Station**

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*UPDATED: 01/23/02*