



# CITY OF LONG BEACH

DEPARTMENT OF PUBLIC WORKS

333 West Ocean Boulevard • Long Beach, CA 90802 • (562) 570-6383 • FAX (562) 570-6012

June 21, 2005

HONORABLE MAYOR AND CITY COUNCIL

City of Long Beach  
California

**RECOMMENDATION:**

Authorize the City Manager to execute a design-build contract with General Physics Corporation for the design and construction of an Alternative Refueling Station in an estimated amount of \$1,000,000 and execute all necessary documents related to the contract. (District 5)

**DISCUSSION**

In 2001, the South Coast Air Quality Management District (AQMD) adopted strict rules designed to reduce pollution from heavy-duty diesel vehicles. Government fleet operators adding or replacing equipment are now prohibited from purchasing vehicles that operate using diesel. Liquefied natural gas (LNG) has been chosen by the City to replace diesel vehicles and it is expected to be the dominant alternative for the next 15 to 20 years. The City began replacing diesel vehicles with LNG vehicles in 2003 and currently operates approximately 60 LNG refuse trucks and street sweepers. These vehicles utilize a temporary LNG refueling station located at the Fleet Services facility on Temple Avenue for refueling purposes. The City will soon outgrow the temporary station and requires a permanent station to keep pace with the growing demand for LNG. By 2011, the City is projected to have in operation over 100 LNG vehicles consuming an estimated 5,000 gallons of LNG per day. In addition to the City's fleet of natural gas vehicles (NGV), the City would like to encourage other local agencies and fleet operators to utilize the refueling station as a means of helping to reduce mobile source emissions in the south coast air basin.

The proposed project is to construct a LNG refueling station consisting of one 15,000-gallon above ground LNG bulk storage vessel and one dispenser with two self serve nozzles. The new station will replace the temporary LNG fueling station. When the existing leased fueling station was constructed, it was considered a permitted use under the zoning for the property. The proposed LNG fueling station has also been determined to be a permitted use, provided the parking spaces that are displaced are replaced elsewhere on the site. Based on this, and in conformance with the California Environmental Quality Act, a Categorical Exemption was issued for this project.

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Prior to construction, all plans will require approval from the City's Fire Marshall and will need to meet all applicable state and local codes. Upon completion, the LNG fueling station will be operated and maintained by the Department of Public Works.

This matter was reviewed by Senior Deputy City Attorney Donna F. Gwin on June 2, 2005, and Budget Management Officer David Wodynski on June 13, 2005.

TIMING CONSIDERATIONS

City Council action on this matter is requested on June 21, 2005, to authorize commencement of this Public Works project. Construction is anticipated to begin in July 2005 and should take approximately six months to complete.

FISCAL IMPACT

The contract award is for an estimated amount of \$1,000,000. Sufficient funds of \$1,000,000 are budgeted in the Fleet Services Fund (IS 386) in the Department of Public Works (PW). The funding sources are AB 2766 grant funds, AQMD grant funds and the Fleet Services Fund.

SUGGESTED ACTION:

Approve recommendation.

Respectfully submitted,

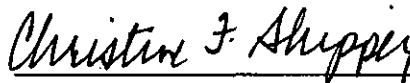


CHRISTINE F. ANDERSEN  
DIRECTOR OF PUBLIC WORKS

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APPROVED:



GERALD R. MILLER  
CITY MANAGER