



**Final Report  
May 22, 2014  
Contract No. MS14044  
TIMCO CNG: Santa Ana Fueling Station  
1601 E. First Street  
Santa Ana, CA 92701**

**Contractor Organization: TIMCO CNG Fund I,  
LLC**

**Prepared for the Mobile Source Air Pollution  
Review Committee (MSRC) under the AB 2766  
Discretionary Fund Work Program**

Contract No. MS14044

Date: 5/22/2014

TIMCO CNG Fund I, is pleased to present this Final Report for MSRC Contract No. MS14044 for the CNG fueling station project located at 1601 E. First Street, Santa Ana, CA 92701

Disclaimer:

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (SCAQMD). The mention of commercial products, their sources or their uses in connection with material reported is not to be construed as either an actual or implied endorsement of such products.

Project Description & Work Performed:

The purpose of this project was to design and build an unattended compressed natural gas (CNG) station in a location which is convenient for the public. The station was designed with the purpose of facilitating both light duty natural gas vehicles (NGVs), as well as medium and heavy duty NGVs. In regards to the planning of the station, the main objective was to identify a freeway close location in central Orange County and to provide a more retail alternative fueling experience. This was accomplished through the installation of two CNG compressors capable of producing 225 standard cubic feet per minute (scfm) each, for a total of 450 scfm or approximately 3.5 GGEs per minute. The CNG station contains the following equipment:

- (1) Gas Dryer: 600 scfm at 30 psi
- (2) Compressors: 225 scfm at 25 psi
- (2) Dual-hose Dispensers: Kraus/Gilbarco frame w/ flow meters and card readers accepting Mastercard, Visa, American Express, Discover, Voyager, Wright Express
- (3) Storage Vessels: 11,000 SCF each- Total of 33,000 SCF
- (1) Gas Meter installed by SoCal Gas
- (1) Electrical Switch Gear/Meter and associated electrical panels
- Remote monitoring capabilities and security cameras

The construction permits were issued early December 2013 and grading began shortly after. The entire construction process took approximately 20 weeks to complete and the certificate of occupancy was issued on April 21, 2014.

The grand opening event was held on April 22, 2014. It was attended by approximately 75 people and hosted speeches by City of Santa Ana Mayor Pulido, Transportation Director Rick Longobart, and Tim Shaw who was representing MSRC Board Member Greg Winterbottom. The Orange County Register wrote an article regarding the station's grand opening (see attached article).

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The station is open to the public and is operational 7 days a week, 24 hours per day. The first month of operation sold 24,347 GGEs. The station is monitored and maintained three times a week which includes equipment, janitorial and gardening services.

Problems Encountered:

The city required a considerable amount of offsite street improvements including street trees, street lights, sidewalk replacement and replacement of a large section of Wright Street. The city had issued a moratorium on trenching across First Street which required directional drilling in order to install gas service. The site security during construction posed significant challenges due to the local population of transients in the surrounding neighborhood.

Media:

Refer to the **Attachment A** for an article written by Staff Writer Annie Yu of *Orange County Register*. The article discusses the opening of the TIMCO CNG fueling station. Also attached is a press release relating to the completion of the station.

Additionally, refer to **Attachment B** for images of the CNG fueling station.

Summary and Conclusions:

The location of this CNG fueling station, easily accessible and near a freeway off ramp offers both fleets and consumers a convenient opportunity to refuel which encourages more users to convert to CNG as a transportation fuel. Providing an inexpensive, clean burning, and reliable fuel to our customers is very important to TIMCO CNG and being able to do so with a low cost per GGE has been made possible thanks to the AQMD/MSRC grant funding. On behalf of TIMCO CNG and its customers, I thank you and am grateful for the grant that has made all of this possible.

Acknowledgements:

The following organizations were associated with this project:

- Katahdin Environmental Corporation
- Go Natural Gas Inc.
- SoCal Gas
- Southern California Edison
- General Contractor David Hill
- Candelaria Solar

This report was submitted in fulfillment of contract #MS14044 and TIMCO CNG: Santa Ana Fueling Station, 1601 E. First Street, Santa Ana, CA 92701. Under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of April 21, 2014.

Contract No. MS14044

Date: 5/22/2014

If you have any questions or comments, you can contact me at (949) 340-7702.

Sincerely,

Timothy Nelligan

CEO

TIMCO CNG

Contract No. MS14044  
Date: 5/22/2014

# **ATTACHMENT A**

# COMPRESSED NATURAL GAS STATION OPENS IN SANTA ANA ON EARTH DAY

BY ANNIE Z. YU  
STAFF WRITER

Santa Ana's third compressed natural gas station celebrated its grand opening on Tuesday – Earth Day – to cater to the growing alternative fuel market in Southern California. The TIMCO CNG station sits at 1601 E. First St., on a 20,000-square-foot lot, less than a quarter mile from the 5 freeway.

This is TIMCO CNG's first CNG station. It opened with a promotional price of \$1.49 per gasoline gallon equivalent; normal prices should be around the \$2 per GGE range, according to TIMCO CNG project manager Lance Blanchard.

It will be open 6 a.m. to 10 p.m., seven days a week.

The station has four nozzles on two dispensers, but that will double in the next few years. One nozzle will be a high flow nozzle to serve heavy-duty vehicles. The station will not accept cash and will be un-manned and monitored remotely.

There are about 800 public CNG stations in the United States, according to [CNGprices.com](http://CNGprices.com). California leads the nation in number of stations with 158, as listed in the California Natural Gas Vehicle Coalition's 2013 directory.

"Our intention is to build out the needed alternative fuel infrastructure and be early adopters," said Ti-

mothy Nelligan, CEO of TIMCO CNG, which was founded 2012.

Santa Ana has two other natural gas stations: one owned by Clean Energy and one owned by Waste Management.

The station cost roughly \$2 million to build, Nelligan said. The station was awarded a \$100,000 grant in January from the Mobile Source Air Pollution Reduction Review Committee, which funds clean transportation projects.

TIMCO CNG hosted a grand opening for the station Tuesday morning with a live band and speakers for investors, transportation fleet directors, municipalities and local regulatory agencies.

TIMCO CNG will open its second CNG station in September, near LAX. The station will house Direct Current quick chargers for owners of electric vehicles.

For more information, go to [timcocng.com](http://timcocng.com).



PHOTOS: ANNIE YU, STAFF

Santa Ana's third natural gas station held a grand opening Tuesday on Earth Day, with a promotional price of \$1.49 per gasoline gallon equivalent. The station is located near East First Street & Lyon Street.



Yellow Cab driver Dawinder Singh fills up his vehicle at TIMCO CNG's new natural gas station. Singh said he appreciated that the TIMCO station is close to the I-5.



TIMCO CNG project manager Lance Blanchard, left, and CEO Timothy Nelligan stand in front of their natural gas station's dryer. To use natural gas as a transportation fuel, it is first dried, compressed, stored and then dispensed.

NEWS BRIEFS

BEAUTIFICATION DAY ON ITS WAY

Santa Ana Public Works is hosting a Community Beautification and Arbor Day event from 9 a.m. to noon Saturday at the Delhi Community Center and Park, 505 E. Central Ave. Participants will plant trees, remove graffiti and learn about water conservation.

Free compost will be provided by Waste Management; trees will be given to the first 100 pre-registered participants. RSVP: 714-647-3306

POLICE HOLD DROP-OFF EVENT

The Santa Ana Police Department – with the Los Angeles Field Division of the Drug Enforcement Administration – is hosting a National Take Back Day on Saturday from 10 a.m. to 2 p.m. at the Westend Substation, 3750 W. McFadden, Suite I.

People can turn in expired, unwanted, or unused pharmaceutical controlled substances and other medications to law enforcement officers for destruction. Information: 714-647-5062

## Santa Ana earmarks federal funds for parks and police; none for nonprofits

BY ALEJANDRA MOLINA  
STAFF WRITER

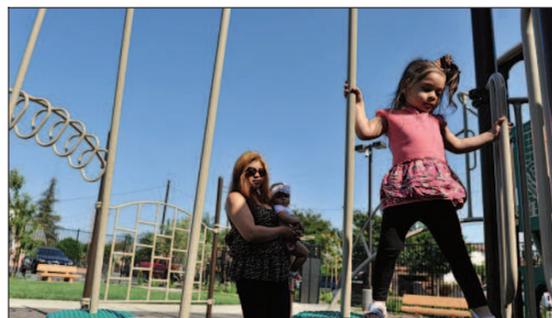
### Nonprofit organizations can apply for funds in fiscal year 2015-16.

City leaders have earmarked more than \$5 million in federal grant funds for city-managed services next year, while outside nonprofit organizations are still left out of the mix.

At its April 15 meeting, the City Council unanimously approved to distribute \$5.6 million in Community Development Block Grant funds in 2014-15 to a range of code enforcement, social service, housing rehabilitation and city capital improvement programs.

The CDBG program -- run by the U.S. Department of Housing and Urban Development -- gives funds to improve low-and-moderate-income neighborhoods, eliminate blight, and create a more stable economic base.

More than \$2 million will go toward park improvements and residential streets; \$1 million is earmarked for overall adminis-



KEVIN LARA, STAFF PHOTOGRAPHER

Norma Leanos watches as Gisselle walks along the new playground at the Santa Ana park adjacent to the Latino Health Access community center on Fourth Street.

tration of the CDBG program. Funds will also go toward the police department's GRIP program, the city's library tutors, a new business start-up program, and code enforcement services.

The city previously used an application process to make some CDBG funds available to nonprofit organizations but when Santa Ana experienced a series of budget shortfalls, officials decided to limit those allocations beginning in fiscal year 2010-11 and stopped requesting proposals from nonprofit groups.

In fiscal year 2015-16, nonprofit organizations

can again apply for CDBG funds, according to a city staff report. The maximum amount of CDBG funds that can be made available for non-profit organizations is 15 percent.

Councilwoman Michele Martinez said she reluctantly approved the item because outside non-profit organizations were left out.

"We're getting out of financial constraint ... as we move in the new direction, I want to make sure we go back to what we used to do," Martinez said.

CONTACT THE WRITER:  
714-796-7854 or  
[amolina@ocregister.com](mailto:amolina@ocregister.com)

SANTA ANA POLICE BLOTTER

APRIL 21

- Burglary/residential, 2300 block E. Santa Clara Ave. 11:41 p.m.
- Domestic violence, 1900 block S. Roussele St. 11:18 p.m.
- Arson, 1900 block E. Carnegie Ave. 2:11 p.m.
- Burglary/commercial, 1500 block N. Main St. 1:51 p.m.
- Vehicle theft, 600 block W. First St. 12:05 p.m.
- Burglary/residential, 1300 block E. Washington Place 6:46 a.m.
- Assault/deadly weapon, 1000 block N. Tustin Ave. 5:53 a.m.
- Drunken driver, 100 block E. First St. 12:20 a.m.

APRIL 20

- Narcotic reports, W. Wilshire Ave./S. Raitt St. 11:39 p.m.
- Robbery/person, 1000 block E. Santa Ana Blvd. 9:19 p.m.
- Narcotic reports, 500 block W. Santa Ana Blvd. 7:08 p.m.
- Burglary/residential, 200 block S. Shaw Place 5:08 p.m.
- Assault/deadly weapon, 900 block E. Washington Ave. 4:02 p.m.
- Burglary/residential, 1200 block S. Mohawk Drive 1:48 p.m.
- Vehicle theft, 600 block S. Birch St. 9:05 a.m.
- Burglary/commercial, 2100 block S. Bristol St. 1:25 a.m.
- Vehicle theft, 1200 block E. Stafford St. 12:49 a.m.

APRIL 19

- Disorderly conduct/drunken, 2800 block W. 17th St. 11:43 p.m.
- Domestic violence, 1000 block N. Bewley St. 10:24 p.m.
- Narcotic reports, W. Edinger Ave./S. Fairview St. 10:11 p.m.
- Domestic violence, 1000 block N. Parton St. 8:20 p.m.
- Narcotic reports, 400 block N. Eastwood Ave. 7:49 p.m.
- Vehicle theft, 2800 block N. Main St. 4:17 p.m.
- Vehicle theft, 1300 block W. Central Ave. 7:40 a.m.
- Vehicle theft, 1600 block E. Palm St. 7:13 a.m.

APRIL 18

- Burglary/residential, 800 block S. Fairview St.

- 11:48 p.m. Domestic violence, 1700 block E. 17th St. 10:04 p.m.
- Vehicle theft, 2100 block S. Hathaway St. 8:30 p.m.
- Vehicle theft, 1700 block E. McFadden Ave. 5:45 p.m.
- Burglary/residential, 2400 block N. Valencia Ave. 1:55 p.m.
- Domestic violence, 1900 block E. 17th St. 1:36 p.m.
- Burglary/residential, 700 block N. Eastwood Ave. 12:34 p.m.
- Vehicle theft, 1300 block S. Pacific Ave. 10:10 a.m.
- Vehicle theft, 2500 block N. Brynwood St. 8:35 a.m.

APRIL 17

- Narcotic reports, 3500 block W. Camille St. 11:06 p.m.
- Domestic violence, 2000 block W. 10th St. 10:40 p.m.
- Vehicle theft, 900 block N. Main St. 10:11 p.m.
- Narcotic reports, 2200 block E. Lenita Lane 9:23 p.m.
- Burglary/residential, 1200 block N. Cabrillo Park Drive 4:36 p.m.
- Burglary/residential, 1200 block E. Fairhaven Ave. 4:04 p.m.
- Vehicle theft, S. Flower St./W. St. Gertrude Place 12:25 p.m.
- Vehicle theft, 2800 block W. Segerstrom Ave. 8:29 a.m.
- Drunken driver N. Main St./W. 1st St. 1:04 a.m.

APRIL 16

- Vehicle theft, 500 block S. Parton St. 9:46 p.m.
- Vehicle theft, 900 block W. St. Gertrude Place 9:39 p.m.
- Domestic violence, 2100 block W. Myrtle St. 9:21 p.m.
- Narcotic reports, S. Fairview St./W. McFadden Ave. 3:57 p.m.
- Assault and battery, N. Main St./Fourth St. 1:53 p.m.
- Narcotic reports, 200 block W. Alton Ave. 12:31 p.m.
- Vehicle theft, 700 block S. Lyon St. 10:20 a.m.
- Theft from vehicle, 1500 block N. Tustin Ave. 9:35 a.m.

These are excerpts from the Santa Ana Police Department's call logs, which are sent to [crimemapping.com](http://crimemapping.com) and republished here with permission from the site.

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Contact Mabel 714-796-6723 | [mgarcia@ocregister.com](mailto:mgarcia@ocregister.com)

Contract No. MS14044  
Date: 5/22/2014

# **ATTACHMENT B**

Below are some pictures from the grand opening of the Santa Ana station on Earth Day.



Light Duty Taxi Customer



Dispenser



Heavy Duty Truck Customer



Grand Opening Event on Earth Day (April 22, 2014)