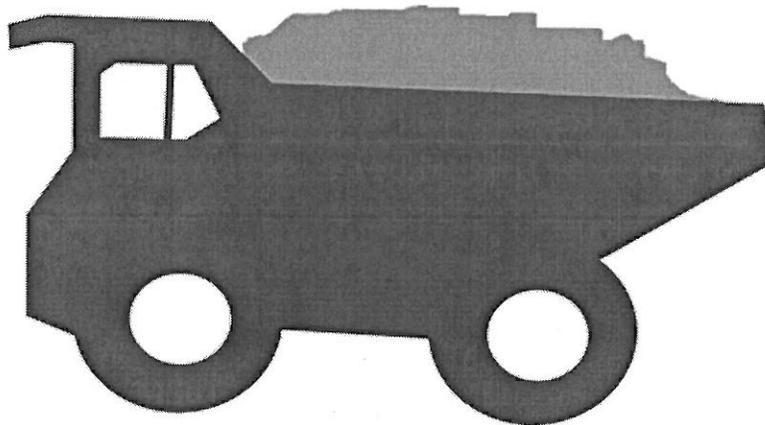


CITY OF AZUSA

FINAL REPORT

**Contract No. ML16024
AB2766/MSRC Local Government Match Program
Purchase of One Heavy-Duty Compressed Natural Gas (CNG) On-Road Vehicle
Submitted: April 20, 2017**

**“Prepared for the Mobile Source Air Pollution Review Committee (MSRC)
Under the AB2766 Discretionary Fund Work Program”**



ACKNOWLEDGEMENTS

The City of Azusa would like to acknowledge the following organizations and personnel for their contribution to this project:

Mobile Source Air Pollution Reduction Review Committee (MSRC)

MSRC Board

Cynthia Ravenstein, MSRC Contracts Administrator

Matt Mackenzie, MSRC

City of Azusa

City of Azusa Mayor and City Council

Troy Butzlaff, City of Azusa City Manager

Daniel Bobadilla, City of Azusa Director of Public Works/City Engineer

Nikki Rosales, City of Azusa Senior Management Analyst

Martin Quiroz, Neighborhood Improvement Coordinator

National Auto Fleet Group

Lidia Calderon, Fleet Administrator

This report was submitted in fulfillment of Contract No. ML16024 and MSRC Local Government Match Program Purchase of 1 Heavy Duty Natural Gas Vehicle by City of Azusa under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of 12/5/16.

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.

Executive Summary

The purpose of this Final Report is to demonstrate that the project was completed on time, within budget, and according to the specifications of the Statement of Work.

In 2015, the City of Azusa Public Works Department experienced a need for the appropriate equipment to perform routine abatement of illegal dumping and weeds throughout the City. To that end, a dump truck was approved as part of the FY2015/2016 Capital Outlay budget. Furthermore, the City has sought to become more environmentally-friendly. Subsequently, the City searched and applied for possible grant funding opportunities that served this dual purpose. On September 4, 2015, the South Coast Air Quality Management District's (SCAQMD) Governing Board approved the City of Azusa's request for \$30,000 in Mobile Source Air Pollution Reduction Review Committee (MSRC) match funding for the purchase of an alternative fuel powered dump truck. On April 27, 2016, the City of Azusa entered an agreement to purchase one heavy-duty compressed natural gas (CNG) on-road vehicle, equipped with a dedicated CNG engine, as specified in the Statement of Work.

This Final Report will consist of the following sections:

- Project description and work performed
- Discussion of problems encountered
- Emissions benefits
- Public Outreach Plan deliverables
- Summary and conclusions

PROJECT DESCRIPTION AND WORK PERFORMED

This section will set forth the scope and purpose of this project, as well as provide a detailed description of the work performed. The purchase and use of a heavy-duty CNG vehicle is multi-purposed. For one, purchase and use of an alternative fueled vehicle allows the City of Azusa to perform routine abatement of illegal dumping and weeds throughout the City. This task can be performed more efficiently with the appropriate equipment. Second, the use of an alternative fueled vehicle allows for substantial air quality benefits by lowering emissions. Thus, the alternative fueled dump truck enables the City of Azusa to reduce emissions while providing much-needed debris clean-up throughout the City.

The work performed for this project involved the Department of Public Works identifying a viable source from which to purchase an alternative fueled dump truck. Then, ordering, purchasing, and entering the heavy-duty CNG vehicle into service with the appropriate MSRC decal displayed on the vehicle. Shortly after, the City began promoting the MSRC's co-funding of the vehicle through the implementation of the Public Outreach Plan. First, the City participated in a competitive bidding process through a collaborative purchasing program, rather than the traditional procurement process. Through the City's participation in the National Joint Powers Alliance (NJPA), National Auto Fleet Group was identified as a viable source to purchase an alternative fuel dump truck. As a municipal national contracting agency, NJPA establishes and provides nationally leveraged and competitively solicited purchasing contracts

under the guidance of the Uniform Municipal Contracting Law. Joint Powers laws enable members like the City to legally purchase through NJPA's awarded contracts. As a result, the City achieved the benefits of a competitive bid without the additional costs and delays associated with the standard procurement process. On April 21, 2016, staff established a purchase order for one 2016 Ford F-550 heavy-duty, Compressed Natural Gas (CNG) V10/6.8L on-road vehicle. The vehicle has a gross vehicle weight rating (GVWR) greater than 14,000 pounds and the engine is certified by the California Air Resources Board at, or cleaner than, the 2010 heavy-duty engine emission standard of 0.2g/bhp-hr for oxides of nitrogen (NOx) and 0.01 g/bhp-hr for particulate matter (PM). The City received and accepted the vehicle on September 7, 2016. On October 4, 2017, the vehicle was entered into service. The vehicle will operate for a minimum of five years, but it is expected that the vehicle will continue to operate for its entire life expectancy. Currently, the vehicle is operating effectively in meeting its purpose. Furthermore, MSRC provided a decal to the City to be placed on the Heavy-Duty Vehicle, which is displayed on the back of the vehicle and visible in the photographs provided in this report. The decal is approximately twelve (12) inches in height and eighteen (18) inches in width and it will remain on display for the life of the vehicle. Finally, the City of Azusa developed, approved, and executed a Public Outreach Plan to promote MSRC's co-funding of the vehicle, which is discussed further in the photographs and outreach section.

PROBLEMS ENCOUNTERED

During the process of ordering and purchasing the vehicle, the City did encounter a small issue with the fleet vendor in communicating effectively. To address this difficulty, the City was patient and communicated in a clear and concise manner. However, the issue did delay the completion of this task and the City would likely avoid using this vendor in the future due to this communication issue.

EMISSIONS BENEFITS

The following section will describe the benefits achieved from the purchase of an alternative fuel heavy-duty vehicle. The City intended to purchase a dump truck to meet its service needs. Rather than replace a dump truck, the City chose to purchase an additional dump truck to add to their fleet. In an effort to reduce our environmental footprint, we opted to purchase a heavy-duty CNG vehicle. This is important because Compressed Natural Gas (CNG) is a clean-burning fossil fuel that produces substantial air quality benefits when used in place of gasoline or diesel. In comparison to gasoline vehicles, there is 26-29% reduction in emission of Greenhouse Gases (CO₂) through the use of an alternative fueled CNG dump truck produces a significant reduction in emissions. In comparison to diesel vehicles, there is a 20-23% reduction in CO₂ emissions. The emission benefits also include reduction in Carbon Dioxide (CO), Nitrogen Oxide (NOx); and VOCs emissions.

Additionally, before the acquisition of an alternative fueled vehicle, the City was reliant only on gasoline or diesel dump trucks, whereas now, the City has the opportunity to utilize an alternative fueled dump truck. Thus, through this project the City of Azusa was able to diversify its fuel sources to alternative fuels while producing substantial air quality benefits.

PHOTOGRAPHS AND OUTREACH

Once the heavy-duty CNG vehicle was entered into service, the City implemented the approved Public Outreach Plan to promote the MSRC's co-funding of the vehicle, which consisted of the following:

- Development of flier, which was made available by City Hall at POS (points of service) counters and at City Council meetings.
- Development of a Spanish and English newsletter article for "Azusa Tomorrow, which is available on the City's website;"
- Disseminating the newsletter article to over 12,000 electricity and water customers;
- Publishing a press release in the San Gabriel Examiner; and
- Publishing a Photo Op of the vehicle, presided over by Azusa Mayor, Joseph R. Rocha on the City's website and Facebook page.

The heavy-duty CNG vehicle and the MSRC Decal, which is visible on the back of the vehicle, can be seen below from various angles.



The following outreach materials and news clippings were generated by this project:

CITY OF AZUSA PUBLIC WORKS DEPARTMENT

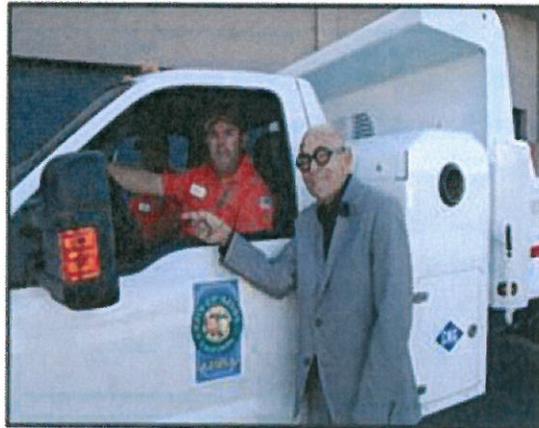
Campaign for Clean Air

CITY OF AZUSA

213 E. Foothill Blvd.
626-812-5200

"The CNG component allows for reduction of emissions while increasing efficiency."

Daniel Bobadilla,
Azusa Public Works
Director

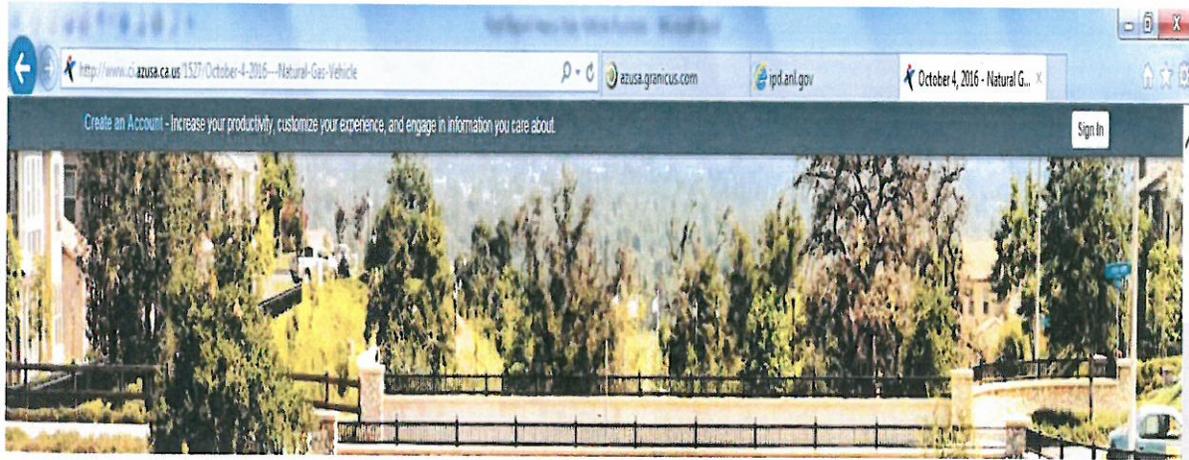


Public Works employees Vidal Villagomez and David Orchoa with new vehicle and Azusa Mayor, Joseph R. Rocha

With grant support by Clean Transportation Funding from the Mobile Source Air Pollution Reduction Review Committee (MSRC), The City of Azusa Public Works Department received \$30,000 for the purchase of a heavy-duty compressed natural gas (CNG) work truck.



City's Website



POPULAR LINKS

June 6, 2016

June 14, 2016

August 15, 2016

September 19, 2016

September 23, 2016 Azusa Day at the Fair

September 28, 2016 - Fire Station 97 Dedication

October 3, 2016 - Scholarship Recipients

October 4, 2016 - Natural Gas Vehicle

October 26, 2016

November 3, 2016

Home > About Azusa > Ceremonial Photos > October 4, 2016 - Natural Gas Vehicle

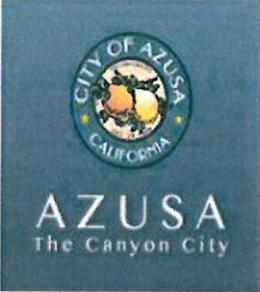
OCTOBER 4, 2016 - NATURAL GAS VEHICLE

City of Azusa Public Works employees Vidal Villagomez and David Ochoa proudly show Azusa Mayor Joseph R. Rocha the new clean energy dump truck. The City applied for and received a grant in the amount of \$30,000 from Mobile Source Air Pollution Reduction Review Committee's (MSRC) Grant and South Coast Air Quality Management District's (SCAQMD) Clean Transportation Local Government Match Program for the purchase of one heavy-duty natural gas vehicle.



City's Facebook

f City of Azusa Q



City of Azusa ✓
@cityofazusa

- Home
- About
- Events
- Posts
- Photos
- Reviews
- Likes
- Videos

Create a Page

Like Following Share

2
Write a comment

City of Azusa added 2 new photos to the album
Ceremonial Photos - 10/03/2016
October 4, 2016

City of Azusa Public Works employees Vidal Villagomez and David Ochoa proudly show Azusa Mayor Joseph R. Rocha the new clean energy dump truck. The City applied for and received a grant in the amount of \$30,000 from Mobile Source Air Pollution Reduction Review Committee's (MSRC) Grant and South Coast Air Quality Management District's (SCAQMD) Clean Transportation Local Government Match Program for the purchase of one heavy-duty natural gas vehicle.







AZUSA

www.ci.azusa.ca.us

Tomorrow

October 2016

ROSEDALE LAND PARTNERS COMPLETES CONSTRUCTION OF FIRE STATION AT ROSEDALE



Rosedale Land Partners, the developer of the Rosedale master-planned community in Azusa, has completed construction of a new \$3.4 million, 7,000-square-foot fire station at Rosedale for the County of Los Angeles Fire Department. Rosedale Land Partners dedicated the three-quarter acre site (on which the new station was built) to the County of Los Angeles at no cost.

Located at 846 E. Juniper Ridge in Azusa, the new station will house equipment and personnel to provide fire protection and emergency medical services to residents of Rosedale, the cities of Azusa and Glendora and the San Gabriel Canyon Area. The new fire station 97 is old station which will be deactivated.

"We are grateful to Rosedale Land Partners for their participation in providing land and construction for this new station. This brand new facility offers everything emergency personnel need to provide the best service possible to area residents," said Assistant Acting Fire Chief, Jim Enriquez.

The new station features six bays for two crews and state-of-the-art kitchen, dining and training facilities, as well as an apparatus bay for two trucks, office and storage space and equipment rooms. The site is contained within exterior block walls and surrounded by attractive landscaping.

The station, designed to meet City of Azusa and County of Los Angeles LEED green building standards, reflects a simple California Craftsman architectural style, with gently sloping roof forms and subdued earth tone exterior colors and trim.

In a dedication ceremony on September 28, 2016, Los Angeles County Fire Chief Daryl L. Osby and along with Supervisor 1st District, Hilda Solis, California Assembly member, Roger Hernandez, City of Azusa, City of Glendora, Rosedale Land Partners, Assistant Acting Fire Chief, Jim Enriquez and members of the community celebrated the official opening of the station.

THE LOS ANGELES ECONOMIC DEVELOPMENT CORPORATION ANNOUNCES THAT AZUSA IS A FINALIST FOR THE MOST BUSINESS FRIENDLY CITY AWARD IN LOS ANGELES COUNTY

Winners to be named at LAEDC Eddy Awards on November 10th

The Los Angeles County Economic Development Corporation (LAEDC) has announced the finalists for its 2016 Most Business-Friendly City in Los Angeles County Award. Azusa was one of the finalists for cities with a population under 60,000 category. A winner for cities in the over and under 60,000 will be announced live at the 21st Annual Eddy Awards® on Thursday, November 10th, at the Beverly Hilton.

Business-friendly programs and services are a critical factor in job-creation. The finalists were selected through independent review by a panel of blue ribbon judges, based on the following criteria:

- Demonstrated priority commitment to economic development
- Excellence in programs and services designed to facilitate business entry, expansion, and retention
- Competitive business tax rates and fee structures
- Availability of economic incentives
- Effective communication with and about business clients

The LAEDC says that "Azusa is emerging. The City is revitalizing the community by offering new choices for living, working and exploring. The City understands that providing the highest quality of life is a means of achieving positive economic development benefits. An ombudsman also provides one-on-one assistance to businesses. Nestled at the foot of the San Gabriel Mountains National Monument and with access to a reliable source of water, affordable electric rates and a sustainable infrastructure featuring two light rail Foothill Gold Line Stations, Azusa is prepared to be the ideal destination for residents, businesses and explorers."

FISH CANYON HIKING TRAIL OFFICIALLY CLOSED

Angies National Forest has issued a Fish Fire Closure Order which includes the Fish Canyon which includes the Fish Falls Hiking Trail located adjacent Vulcan Materials Company rock quarry. The hiking trail into the falls will be closed for about a period of one year due to extensive damaged caused by the Fish Fire in mid-June 2016.

Below is the official closure notice from the Angeles National Forest
http://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fspnd517826.pdf



AZUSA PUBLIC WORKS RECEIVES GRANT FOR CLEAN-AIR DUMP TRUCK

With grant support by Clean Transportation Funding from the Mobile Source Air Pollution Reduction Review Committee (MSRC), Azusa Public Works Department was eligible to receive \$30,000 for the purchase of one heavy-duty compressed natural gas (CNG) vehicle.

A utility truck was purchased from National Auto Fleet Group of Alhambra, California. It was put into service in October, 2016 by the Streets Division. This dump truck will be utilized in the performance of wood abatement and illegal dumping throughout the City. The CNG component allows for reduction of emissions while increasing efficiency within the Public Works Department by providing adequate equipment.

"We like to find opportunities to fund innovative clean air projects like this. The flexible nature of our funding programs allows us to offer our project partners a chance to be among the first in the country to purchase the cleanest trucks available," says Greg Pettis, Chair of the MSRC and Mayor Pro Tem of Cathedral City.

The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. The MSRC is the Mobile Source Air Pollution Reduction Review Committee, established under state law (AB 2766) whose sole mission is to fund projects that reduce air pollution from motor vehicles within the South Coast Air District in Southern California.

Azusa Public Works Receives Grant For Clean-Air Work Truck



City of Azusa Public Works employees Vidal Vilagomez and David Ochoa proudly show Azusa Mayor Joseph B. Rodas the new clean energy dump truck. The City applied for and received a grant in the amount of \$20,000 from Mobile Source Air Pollution Reduction Review Committee's (MSRRC) Green and South Coast Air Quality Management District's (SCAQMD) Clean Transportation Local Government Match Program for the purchase of one heavy-duty natural gas vehicle.

AZUSA - With grant support by Clean Transportation Funding from the Mobile Source Air Pollution Reduction Review Committee (MSRRC), Azusa Public Works Department was eligible to receive \$20,000 for the purchase of one heavy-duty compressed natural gas (CNG) vehicle.

A utility truck was purchased from National Auto Fleet Group of Alhambra, California. It was put into service in October 2016 by the Streets Division. This dump truck will be critical in the performance of road statement and illegal dumping throughout the City. The CNG equipment allows for reduction of emissions

while increasing efficiency with the Public Works Department by providing adequate equipment.

"This morning at 9:00 A.M. we inaugurated the new clean energy work truck into service at the City's Public Works Yard," said Azusa Mayor, Joseph B. Rodas. "We are honored to have received the grant from the MSRRC for the purchase of the vehicle. It will go a long way to make Azusa clean and beautiful by serving as the premier vehicle to be used to clean-up illegal dumping and road statement in the city."

"We like to find opportunities to fund innovative clean air

projects like this. The flexible nature of our funding programs allows us to offer our project partners a chance to be among the first in the country to purchase the cleanest trucks available," says Greg Perdis, Chair of the MSRRC and Mayor Pro Tem of Cathedral City.

The South Coast Air Quality Management District (SCAQMD) is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties. The MSRRC is the Mobile Source Air Pollution Reduction Review Committee, established under state law (AB 1766) whose sole mission is to fund projects that reduce air pollution from motor vehicles within the South Coast Air District in Southern California.

New Member for Duarte Kiwanis

DUARTE - Duarte Kiwanis Club is pleased to announce Janet Wickarschaw representing Neighborhood Improvement House as their newest member. President Cheryl Reynolds installed Janet at a recent meeting. Neighborhood Improvement House has a membership of 100.

"Our mission is to partner with parents of at-risk, at-home children to provide the tools to thrive academically and socially."

"We serve our youngest learners with students from grades PK-13 attending Azusa Unified School District."

"Our vision is to see children, youth, and their families reach a future of fulfillment through open access building blocks. We believe that beginning with a firm foundation in education students can attain their development and building social skills and opportunities."

The Duarte Kiwanis Club is honored to have Neighborhood Improvement House as their newest Non-Profit member.

For further information on opening to joining the club, contact Dr. Diana Hernandez at drdiana@duarte.kiwanis.org or 916-262-2626.



Duarte Kiwanis President Cheryl Reynolds and Janet Wickarschaw



Changing jobs or retiring?

Are you a state agent? **Yes!** **Call us now!**
 1-800-852-8528
 1-800-852-8528
 1-800-852-8528

Take your retirement savings with you. Making over your 401(k) or 403(b) into a Roth IRA is a great way to take control of your future. Let us help you with a retirement plan that meets your needs. Like a good neighbor, State Farm is there. **Call 1-800-852-8528**



To Advertise In The San Gabriel Valley Examiner CALL 626-852-3374

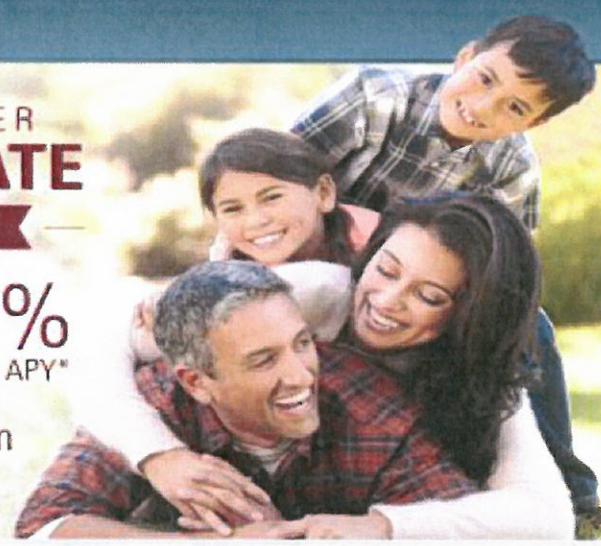
NEW MEMBER

CERTIFICATE

SPECIAL

4.00% APY*

12-month term





Call us today!

16 / 16

*APY - Annual Percentage Yield. Minimum deposit \$1,000, maximum deposit \$4,000. We automatically roll over your certificate into a 12-month term unless notified of rolling plus to the maturity date. Rate above as of 04/24/2015. Penalty for early withdrawal. New members only or current members having accounts opened less than 90 days. Deposits are not insured by FDIC. Member FDIC.

The San Gabriel Valley Examiner

SUMMARY AND CONCLUSIONS

To summarize, with grant support from the SCAQMD and MSRC, the City of Azusa purchased a heavy-duty CNG vehicle that allowed the City to meet its service and environmental needs. The City was able to complete the project on time and within budget while meeting the requirements specified in the Statement of Work. The City of Azusa is pleased with the emission benefits that were derived from this project. The City will continue to look for opportunities to improve the environment by pursuing alternative fueled projects that produce similar results. Furthermore, all necessary paperwork was completed and submitted along with this Final Report to certify project completion. In conclusion, the City of Azusa greatly appreciates the grant support it received from SCAQMD and MSRC, which enabled this project to be a success and allows the City to deliver superior services and diversify fuel sources while improving air quality.