

BENEFITS OF THE CNG FUELING FACILITY TO NORMAN AND THE REGION:

The annual savings to the city in reduced fueling expenses is estimated to be nearly \$60,000 in the first year alone. As the City continues purchasing CNG vehicles and adding to the alternative fuel fleet, the expected cost savings will rise each year.

.....
The City's CNG fueling station includes:

- 20 dual post slow-fill dispensers allowing up to 40 city vehicles to slowly fill overnight.
- A "fast-fill" element to fuel 4 vehicles simultaneously in minutes.
- A fueling station for the general public which is available 24/7.

.....
The CNG fueling station will provide the following benefits to the Norman community:

- \$850,000 to \$1,285,000 in fuel cost savings to the City over five years, depending on the volatility of the market, with a CNG fleet increase of 65%, taking City AFVs from a count of 29 to 84.
- Provides first, efficient CNG fueling facility in Norman for general public
- Opportunity for public/private partners including Norman Public Schools, Cleveland County, other municipalities, CART, private utilities, Chesapeake, etc.
- Reduces air emissions by up to 97%
- Emits little or no particulate matter
- Reduces noise of vehicles
- Promotes natural gas technologies in Oklahoma

For additional information,
please contact:

The City of Norman
Public Works Department at
(405) 366-5453

IMPORTANT USEFUL WEBSITES

www.normanok.gov

www.acogok.org

www.okcommerce.gov



City of Norman



City of Norman

Grand Opening

City of Norman
Compressed Natural Gas (CNG)
Fueling Facility

May 4, 2012
11:00 a.m. to 1:00 p.m.

2351 Goddard Avenue
Norman, Oklahoma 73069

Special Thanks to our Event Sponsors:

Chesapeake Energy



Republic Bank & Trust



Norman Chamber of Commerce



DEPARTMENT OF PUBLIC WORKS
CITY OF NORMAN
201-A West Gray
Norman, Oklahoma 73069
Phone: 405-366-5453
Fax: 405-366-5418



AGENDA:

I. Welcome — Steve Lewis, City Manager

II. Opening Remarks — Mayor Cindy Rosenthal

III. Comments from Elected Officials

IV. Recognition of Key Project Stakeholders

- Assoc. of Central Oklahoma Governments
John G. Johnson, Executive Director
- U.S. Department of Energy
John Winkel, Energy Project Specialist
- Oklahoma Department of Commerce
Kylah McNabb, Project Manager

V. Acknowledge Project Team — Shawn O'Leary,
Director of Public Works

VI. Closing Remarks — Steve Lewis, City Manager

VII. Lunch and Tour of Facility

Many thanks to our project stakeholders:



CITY OF NORMAN ALTERNATIVE FUEL PROGRAM:

The City of Norman Alternative Fuel Program was adopted by the City Council in February 2009. At that time, it was the only municipal policy of its kind in Oklahoma. The policy was developed primarily in response to the excessively high unleaded and diesel fuel prices of the previous year. However, the City Council also sought to contribute to a cleaner environment and provide for a “greener” Norman.

The City of Norman currently operates a fleet of vehicles and equipment of which 475 are equipped to operate as alternative fuel vehicles (AFVs). The following is a summary of the City's current fleet of AFVs:

29	CNG vehicles
65	Electric vehicles
2	Hybrid vehicles
70	Flex Fuel vehicles
309	Bio-Diesel ready vehicles

Upon adoption of the City's Alternative Fuel Program, city staff began pursuing all available alternative fuel grant opportunities for the purchase of alternative fuel vehicles and for the installation of alternative fuel facilities. From the beginning of this program, compressed natural gas (CNG) technologies appeared to be the most cost-effective and practical alternative fuel opportunities for the City of Norman.

Since February 2009, the City of Norman has acquired \$403,621 in grant funds from the Association of Central Oklahoma Governments (ACOG) through the Clean Cities Program for the purchase of 7 alternative fuel vehicles. Those vehicles include: 3 refuse trucks, 1 field service truck, 1 sport utility vehicle, 1 street sweeper and 1 zero turn commercial deck mower.



COMPRESSED NATURAL GAS (CNG) FUELING FACILITY:

In March 2010, the Association of Central Oklahoma Governments (ACOG) notified the City of Norman that its application for funding under the 2010 ACOG Public Fleet Conversion Grant Program had been approved in the amount of \$200,000. The grant is to be used for the installation of Phase 1, the “slow fill” element of the City's first compressed natural gas (CNG) fueling station, at the City of Norman North Base facility located at 2351 Goddard Avenue.

In July 2010, the Oklahoma Department of Commerce (ODOC) notified the City of Norman that its application for financial assistance under the State Energy Program (SEP) of the American Recovery and Reinvestment Act (ARRA) had been approved in the amount of \$945,000. The grant is to be used for the installation of Phase 2, the “fast-fill” element of the City's first compressed natural gas (CNG) fueling station.

In January 2012, City Council approved a contract amendment with the Oklahoma Department of Commerce (ODOC) for additional financial assistance under the State Energy Program (SEP) of the American Recovery and Reinvestment Act (ARRA) in the amount of \$484,366 for Phase III of the CNG station. Phase 3 includes 8 additional slow fill posts, a natural gas back-up compressor and a defueling system.

The final cost breakdown of the \$2.1 million CNG Fueling Facility is as follows:

ACOG Grant (Slow Fill Facility)	\$200,000
ARRA Grant (Fast Fill Facility)	\$1,429,366
City Share ACOG	\$242,740
City Share ARRA	\$264,293
City Share Subtotal	\$507,033
Total Project Cost	\$2,136,399

