

Midwest Region Alternative Fuels Project



KS-JoCo

Metropolitan Energy Center

www.metroenergy.org

Kansas City Regional Clean Cities



Project Profile: Government of Johnson County, KS

Johnson County is a local government organization serving a diverse and expanding population through agencies and departments encompassing everything from aging to zoning. The County provides public health and wellness services, codes regulation, law enforcement, public infrastructure, and maintenance of official records. In addition, the county operates a major intermodal transit system that includes two airports, an urban busing system, and special transit services that connect with the Kansas City metropolitan region. The County has a longstanding commitment to clean transportation initiatives.



Alternative Fuels

In 1992, the Johnson County Environmental Department became the first government agency in the Kansas City region to use alternative fuels in vehicles when it converted two of its vehicles to a bi-fuel propane system, which allowed them to switch between propane and gasoline. It has also represented the Kansas portion of the Kansas City Regional Clean Cities Coalition as co-chair since the mid-1990's. The department was also one of the first to purchase a gasoline/electric hybrid, when it obtained its 2002 Toyota Prius. The department's pursuit of alternative fueled vehicles resulted in a directive from the Johnson County Manager that all departments are to give serious consideration to buying hybrid and alternative fueled vehicles when they are making new purchases. As of January 2012, the County has 55 alternative fuel vehicles.



The County is beginning new alternative fuels initiatives with compressed natural gas (CNG) in its public works department and transit agency. Several separate funding grants are being leveraged to install 2 CNG stations at opposite ends of the County, purchase CNG shuttles for transit and convert public works fleet vehicles to CNG. Funding from this project supports 3 van conversions and 1 refurbished CNG fueling station on site at a wastewater facility.



Funding

Funding from the Federal Highway Administration's Congestion Mitigation and Air Quality Improvement (CMAQ) program and the Midwest Region Alternative Fuels Project are making these changes possible.



This material is based upon work supported by the Department of Energy under Award Number(s) DE-EE0002538. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

CNG stations: 1

CNG vehicles: 3

**Gallons of gasoline displaced:
2,500 / yr**

Total project cost: \$310,000

Federal funds: \$250,000