



NC CLEAN ENERGY TECHNOLOGY CENTER

THE MAINTENANCE TEAM

A North Carolina Success Story

Company Spotlight

The Maintenance Team, a North Carolina based commercial property maintenance company, has successfully converted over 30% of their fleet to using an alternative fuel source with LPG conversions within their Charlotte-Raleigh market. The Maintenance Team selected LPG as their preferred fuel source due to its' significant cost savings, reduced environmental emissions, and the proximity to available fueling infrastructure within this designated service area. Within this grant, The Maintenance Team has converted 16 gasoline powered Chevrolet trucks and cargo vans to use LPG as a fuel source.

Organization Details

Fleet Name	The Maintenance Team
Location	Wake/Mecklenburg Co., NC
Number of Vehicles	48
Emissions reduction	4%
% using Alt Fuel/Tech	33%
Type of Technology	LPG



The Maintenance Team staff

Utilizing propane as a fuel source has enabled The Maintenance Team to reduce their operating expenditures, while investing in an alternative fuel technology that improves air quality and environmental performance indicators regionally. Working with propane contractor Blossman Gas, The Maintenance Team has been able to secure low propane fuel cost, which significantly reduces their monthly fuel expenditures and provides further justification for this fleet transition. The Maintenance Team looks forward to lower projected maintenance costs with their converted vehicle fleet as well. Although the project is still early in its implementation, the company hopes these reduced operating costs will provide additional capital to eventually convert more vehicles within the fleet to LPG fuel technologies.

Outlook

Looking forward, The Maintenance Team would like to continue to implement environmentally preferable fuel technologies as additional funding becomes available. Now that a significant portion of the fleet servicing Wake and Mecklenburg counties have been transitioned over to LPG as a fuel source, The Maintenance Team would like to continue to transition vehicles to realize additional environmental, economic and logistical improvements to fleet operations. The Maintenance Team was very excited to partner with the Clean Fuel Advanced Technology project, as it enabled the company to more broadly update their existing fleet to realize significant cost savings for vehicles operating within this specified region. In the future, the organization would like to continue to work with the Triangle Clean Cities program as a mechanism for converting additional vehicles within their fleet.



The propane tank The Maintenance Team uses for operations.

“The Maintenance Team strives to use all available technology to improve efficiency and reduce waste of resources, and propane systems for our vehicles is an excellent example of how to do this”

Michael Bradley, 03/16/2015

Clean Fuels Advanced Technology Project 2013-2015

The Clean Fuel Advanced Technology (CFAT) project is currently in a third phase of support from the N.C. Department of Transportation with \$6.2 million in federal Congestion Mitigation Air Quality (CMAQ) funding.

CFAT is focused on reducing transportation related emissions in the 24 North Carolina counties that have air quality concerns and are listed as non-attainment or maintenance status for national air quality standards. The 2013 to 2015 project is funded by the N.C. Department of Transportation and covers three broad areas: education and outreach, project funding, and recognition of exemplary activities.

The N.C. Clean Energy Technology Center has teamed up with the Centralina Clean Fuels Coalition, the Triangle Clean Cities Coalition, Piedmont Triad Regional Council, Upper Coastal Plain Council of Governments and Kerr-Tar Council of Governments on education and outreach activities throughout the state. These partners are available to speak about clean transportation technologies and practices at local events.

Contact

For more information about this project, please contact Centralina Clean Fuels Coalition, 704-372-2416,

Triangle Clean Clean Cities 919 558-2705

NC Clean Energy Technology Center
Transportation Program

cleantransportation@ncsu.edu

This document is supported through the Clean Fuel Advanced Technology project with funding from the N.C. Department of Transportation.

