

## Oklahoma Department of Transportation

### Alternative Fuel Fact Sheet

Table 1 – ODOT Alternative Fuel Vehicles		
Type of Fuel	Number of Vehicles	Type of Vehicles
CNG	637	Pick-up Trucks
CNG	40	Light Duty

Table 2- Alternative Fuel Stations	
Type of Fuel	Number of ODOT Stations
CNG	0

#### Alternative Fuel Experience

##### ***Level of satisfaction with alternative fuels***

This effort has seen some growing pains but ODOT's efforts have been refined. We have hit on a good combination of fuel tank size and additional fueling sites have come on line.

##### ***Why did the DOT adopt alternative fuel vehicles?***

Oklahoma's Governor was involved in a multi-state initiative and issued a directive of State Agencies to get their fleets to 70% CNG vehicles. Oklahoma is an oil and gas state and utilization of CNG to create a market made sense along with the obvious fuel cost savings at the time.

##### ***Emission Reduction Data Collection and Tracking***

Emission data is not tracked at this time.

##### ***Vehicle and Fuel Procurement***

There was a multi-state initiative to buy in quantity and drive down initial costs plus tax credits of CNG vehicles. Vendors on the Statewide contract were asked to include the cost of retrofitting vehicles into their costs and add factory prepped CNG on their contracts.

CNG fuel is supplied by local public fueling stations/convenience stores.

The state has spent approximately \$21 million to-date on transitioning to natural gas vehicles.

**Table 3 – Barriers to Adoption and Strategies to Address Barriers**

<b>Barrier</b>	<b>Strategy for Overcoming Barrier</b>
<b>Barrier 1: Fuel tank vs. CNG tank size</b>	Initially we had eight gallon fuel tanks and 15 gallon CNG tanks and it was not feasible with some of the State’s Maintenance Division areas with higher daily mileage requirements.
<b>Barrier 2: CNG Fuel Availability</b>	Some Divisions in the State do not have access to CNG due to the lack of fueling facilities, which leads to barrier 1 above. It has gotten better but upon initial presentation of CNG it was a challenge.
<b>Barrier 3: Facilities and Mechanics</b>	ODOT required all the mechanics to become CNG certified but did not have the facilities to safely work on CNG vehicles.