



CASE STUDY

KING COUNTY COMMENDED FOR
PROPANE AUTOGAS USAGE

OVERVIEW

King County, Washington, is a leader in using various forms of alternative fuels, including propane autogas. The county has taken a proactive stance in cleaning up the Puget Sound region's environment by working to reduce pollution and greenhouse gas emissions, protect and restore natural habitats, promote healthy lifestyles, and use resources wisely. For years, King County has stayed on top of emerging advances in eco-friendly products and procedures, and has served as a gold standard in green workplaces.

Their transportation lineup includes seven Ford F-250s, one Ford F-350 extended cab pickup, and one Ford E-250 cargo van, all with ROUSH CleanTech's dedicated liquid propane autogas injection systems.

RESULTS

Environmental protection as top priority

In an effort to remain fiscally and environmentally responsible, King County purchased the ROUSH CleanTech liquid propane autogas-powered vehicles to meet the needs of employees who must carry tools to job sites, sometimes located quite a distance from a fueling station. Not only does the green vehicle have the propane tank mounted underneath, giving more room for tool boxes and equipment, but it has a longer driving range, compared to electric and other hybrid vehicles. All are under-bed applications. In addition, they have an onsite propane autogas fueling dispenser to ensure even further efficiencies.

King County has received special recognition for their sustainability efforts. In 2006, Utility Fleet Management magazine named them among the top nine of the 100 best fleets in North America, from among 90,000 fleets. The next year they were named among the top three in a fleet contest, 100bestfleets.com, sponsored by Government Fleet magazine. And in 2009 they were named a top-performing fleet when they received a coveted "three stars" from the Evergreen Fleets certification program in Washington.

The benefits keep coming

Propane autogas is already the third most commonly used engine fuel worldwide, behind gasoline and diesel, proving its environmental acceptance, viability, and economic advantages. Propane autogas burns cleaner than gasoline or diesel, with 20 percent less nitrogen oxide, up to 60 percent less carbon monoxide, 18 percent fewer greenhouse gas emissions, and fewer particulate emissions when compared to gasoline. Research proves this safe, non-toxic fuel is energy efficient and clean, equaling fewer maintenance costs over the lifetime of a vehicle.

[ROUSH CleanTech](#) commends King County for its dedication to alternative fuels and the example they have set for government fleets across the nation.

"[DRIVING] RANGE IS APPROXIMATELY THE SAME AND FUEL ECONOMY IS APPROXIMATELY THE SAME. A BIG ADVANTAGE IS THAT WITH THE FEDERAL REBATE BEING OFFERED ON PROPANE AUTOGAS FUEL, THE COST OF FUEL IS CURRENTLY CONSIDERABLY LESS THAN THE PRICE OF GASOLINE"

Robert Toppen
Equipment Supervisor for KCDOT

FLEET FACTS & SPECIFICATIONS

Company: King County Government,
Dept. of Transportation, Fleet
Administration Division

Industry: Government

Location: Seattle, Washington

Vehicles: Ford F-250 pickups
Ford F-350 extended cab pickup
Ford E-250 cargo van

SOURCE

ROUSH CleanTech

