Alternative-Fuel Vehicles

Albany International Airport

Clean Natural Gas Airport Fleet

"The deployment of two dedicated CNG buses demonstrates the airport's ongoing commitment to clean-fuel fleet conversion. This project will also further demonstrate the technical and economic feasibility of CNG vehicles at the airport to other public facilities and commercial vehicle fleets throughout the Capital Region. Rest assured that NYSERDA's ongoing cooperation and support for this important energy independence program is fully recognized and appreciated."

- John C. Egan
former Chief Executive Office
Albany International Airport

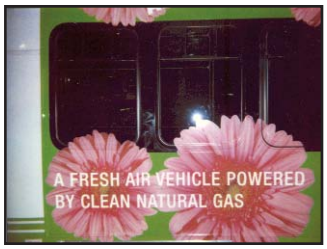
Background

Albany International Airport is the main provider of air transportation services for the Upper Hudson Region and New York's Capital District. The airport is located in the Town of Colonie, a suburb of New York's capital, and provides both passenger and commercial air carrier service to the region. Since the airport is located in a highly developed residential and commercial area, management has dedicated itself to reducing emissions from its bus and vehicle fleet. Airport officials sought to establish a clean-fueled fleet of vehicles, and partnered with the New York State Energy Research and Development Authority (NYSERDA) which provided funds to assist in converting the vehicle fleet to compressed natural gas (CNG).

CNG is one of the cleanest alternative fuels. The use of CNG reduces vehicle emissions, energy dependence, and fuel costs. Since specialized pumping stations must be constructed to store and dispense the fuel, Albany International Airport officials undertook the additional cost of creating an infrastructure for its CNG pumping station.

Initiative

To assist Albany International Airport achieve its goal of providing a fleet of clean-fueled vehicles, NYSERDA provided $111,377 for the incremental cost of six new CNG shuttle buses and three new CNG pick-up trucks. The pick-up trucks serve the daily operations of the airport, and the shuttle buses provide transport to-and-from the airport's remote parking lots 24 hours a day, 7 days a week.



Results

Albany International Airport officials have shown visitors and area residents that they are dedicated to promoting a cleaner, healthier environment. Not only do the airport's clean-fueled vehicles promote the concept of clean-fuel technology, they result in environmental and economic benefits to the entire community. These benefits include:

- 0.23 tons of air pollution emissions displaced annually
- 2.81 tons of air pollution emissions displaced over the 12-year life span of the vehicles
- Elimination of a dependence on 343,000 gallons of foreign oil yearly

Additional advantages for the Albany International Airport include:

- Lower fuel costs
- Lower maintenance costs for the clean-fueled vehicles
- Longer engine life

For more information about these services, contact NYSERDA
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www.nyserda.org

NYSERDA
New York State Energy Research and Development Authority