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NASA

# KSC Alternatively Fueled Vehicle Demonstrations

Since 1999 Kennedy Space Center (KSC) has demonstrated hydrogen and fuel cell powered vehicles on the center and at the Visitor Complex.







KSC has been an early adopter of alternatively fueled vehicles since 1994 when the natural gas fueling station was built, allowing NASA to:

- relate the use of hydrogen fuel as a ground transportation fuel to its experience in using hydrogen as an aerospace transportation fuel
- evaluate the use of hydrogen fueled vehicles in its fleet operations,
- > comply with Alternative Fuel Vehicles (AFVs) mandates.

KSC, a high-visibility facility with many visitors, has the opportunity to demonstrate to the public at large that these new technologies exist, provide significant benefits, and can gradually gain acceptance for widespread use.







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# Acquisition and Distribution of Liquid Hydrogen

- NASA is the largest consumer of liquid hydrogen (LH<sub>2</sub>) in the US.
- NASA has purchased over 350 million pounds over 45 years, with millions of miles of safe delivery by truck, rail, and barge.
- KSC manages contracts, and monitors markets and technologies for availability, costs, detection, production, safety, storage, and transport.



NASA





















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