NUVERA®

Hydrogen Generator
for Industrial Sustainability

Tomorrow's energy environment requires today's sustainable power.

The need for clean, domestically produced energy has never been greater. The U.S. Department of Energy has identified hydrogen as playing a "vital role in diversifying America's clean energy supply."[1]

By generating hydrogen on-site, the Nuvera® generator puts hydrogen supply in the hands of the user. Argonne National Laboratory has reported greenhouse gas emissions reductions of 32% on average compared to delivered liquid hydrogen.[2]

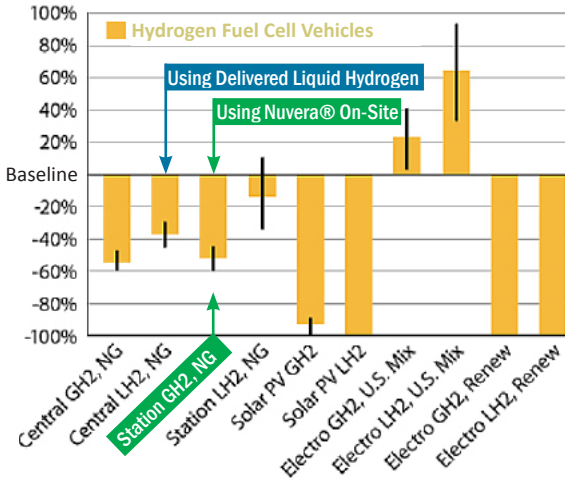
On-Site Generation Compared to Delivered Hydrogen

Does your hydrogen supply chain look like this?

Or like this?

Changes in Greenhouse Gas Emissions from Fuel Cell Vehicles for Comparison of Hydrogen Supply/Production Methods

Relative to gasoline vehicles as baseline[3]



Generation of hydrogen on-site from natural gas and used in a fuel cell vehicle results in 45-60% fewer greenhouse gas emissions than a gasoline car.

[1]Department of Energy, Fuel Cell Technologies Program. 2012. Clean, Efficient, and Reliable Power for the 21st Century. Accessed June 26, 2015. http://www.nrel.gov/docs/fy12osti/54315.pdf
[2]National average basis. Source: Argonne National Labratory. 2008. Full Fuel-Cycle Comparison of Forklift Propulsion Systems. Accessed June 26, 2015. http://www.osti.gov/bridge
[3]Source: Argonne National Laboratory (as cited on Department of Energy Alternative Fuels Data Center, http://www.afdc.energy.gov/vehicles/emissions_hydrogen.html)

With hydrogen, you can power your electric fleet without buying electricity. No power outage risk, no peak demand fees, and no coal power plants.

Additional benefits:

High Efficiency

Hydrogen generation from natural gas and water is a highly efficient and cost-effective alternative to delivered hydrogen.

Widespread Infrastructure & Supply

On-site generation provides a dedicated hydrogen supply based on the nation's strong and growing natural gas infrastructure, and historically low natural gas prices.

Pathway to Renewables

The Nuvera® generator is capable of generating hydrogen from sources such as landfill gas and biogas, solving more than just your energy needs.

Watch biogas demo online!

http://www.nuvera.com/blog/?p=2360

Learn More! www.nuvera.com