

Accelerating Hydrogen Blending to Decarbonize Heat

National Grid has long recognized the role of the gas network in a deeply decarbonized energy future.

We believe that hydrogen has the potential to fundamentally transform the energy industry as an essential element of a net zero global economy. To help make that future a reality, National Grid recently helped secure \$12.45 million in funding from the US Department of Energy (DOE) to facilitate research and accelerate the potential of hydrogen blending. We are partnering with DOE and six of their national laboratories – The National Renewable Energy Laboratory (NREL), Sandia National Laboratories (SNL), Pacific Northwest National Laboratory (PNNL), Oak Ridge National Laboratory (ORNL), Argonne National Laboratory (ANL), and the National Energy Technology Laboratory (NETL) - 20 industry leaders and leading academic institutions to support accelerated research on blending hydrogen into natural gas distribution systems.

This research will directly support [National Grid's pathway to net zero](#). The Institute of Gas Innovation and Technology, cofounded by National Grid in 2017 and part of Stony Brook University, will serve as one of the academic and industry leads for this project. The research will focus on hydrogen pipeline compatibility, lifecycle, and techno-economic analysis.

National Grid is proud to support this work, we believe that additional research and development will be crucial to unlocking true potential of hydrogen as a renewable source of energy that can serve multiple sectors of the economy including heat.

Read more about the research [here](#).

