

1 Increased global investment in decarbonization technologies including CCUS and hydrogen to transition natural gas to low carbon energy source

HYDROGEN BURNING POWER PLANTS

Development of **first purpose-built hydrogen-burning** power plant in America with partner Long Ridge Energy Terminal and pilot projects with NYPA and Cricket Valley Energy Center.

Hydrogen projects also underway in Europe, China & Australia

CONTINUING WITH CARBON CAPTURE

GE was selected by BP to work with its partners on design and technical solutions development for a proposed 860MW power station and carbon capture facility.

2 Dramatic increase in investment and research into accessible Sustainable Aviation Fuel (SAF)

80%
Potential fuel lifecycle carbon emissions reduction

Could be key to helping the aviation industry meet its net zero carbon goals by

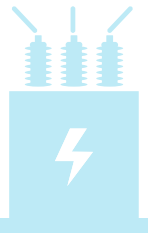
2050

~15 yrs
GE has been actively involved in assessing & qualifying SAF

Test flight collaborations with United Airlines & Etihad Airways

3 More modernized, resilient grid to meet demand, severe weather challenges

70%
of America's transformer fleet is 25 yrs or older



GE Research and Prolec GE, working with Mississippi power company, Cooperative Energy, launched a demonstration of the **world's first large flexible transformer**, a one size fits all solution.

5 TOP ENERGY TRENDS GE is Watching for 2022 and Beyond

4 Next generation advances in nuclear energy technology

~300 MWE
Carbon free electricity during operation with **Small Modular Reactor (SMR)** design



GE Hitachi's BWRX-300 SMR can be deployed faster and at lower cost/unit output.

5 Continued focus on offshore wind in the U.S.

GE HALIADE-X

1st U.S. utility scale offshore wind farm
Vineyard Wind will be powered by 62 Haliade-X turbines.

GE's Haliade-X platform will also help power **Ocean Wind**. Once complete, Ocean Wind will be capable of powering the equivalent of

500k NJ homes



For more information on each trend and how GE is leading THE ENERGY TRANSITION, [click here](#).

www.ge.com/about-us/energy-transition