

USA: Nationale Wasserstoffstrategien und Roadmaps

<https://www.fchea.org/us-hydrogen-study>

<https://www.hydrogen.energy.gov/pdfs/hydrogen-program-plan-2020.pdf>

<https://www.energy.gov/eere/fuelcells/h2scale>

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A coalition of major oil & gas, power, automotive, fuel cell, and hydrogen companies have come together to develop a Road Map to a US Hydrogen Economy. Published in November 2019 /October 2020 by the US Fuel Cell and Hydrogen Energy Association (FCHEA), the comprehensive Road Map details how the U.S. can expand its global energy leadership, by scaling up activity in the rapidly emerging and evolving hydrogen economy, as policy makers and industry work together and take the right steps.

Published in November 2020, the Department of Energy Hydrogen Program Plan provides a comprehensive strategic framework for the DOE's hydrogen research, development, and demonstration (RD&D) activities. It includes input from the offices of Energy Efficiency and Renewable Energy (EERE), Fossil Energy (FE), Nuclear Energy (NE), Electricity, Science (SC), and the Advanced Research Projects Agency - Energy, and reinforces DOE's commitment to enabling progress in hydrogen technologies in the United States. Based on extensive stakeholder input and progress over the last two decades, the Plan serves as a guiding summary of focus areas and the path forward across all relevant DOE offices. In addition to this overarching DOE-wide plan, each office within DOE has its own detailed technical plans and strategies relevant to their mission areas. This Plan builds upon aspects in the individual DOE office plans and documents, including FE's Hydrogen Strategy: Enabling a Low-Carbon Economy, EERE's Hydrogen and Fuel Cell Technologies Multi-Year RD&D Plan, NE's hydrogen related plans, and SC's Basic Research Needs for the Hydrogen Economy. Many of these documents are also in the process of updates and revisions and will be posted online and incorporated into future versions of this Plan.

H2@Scale is a concept that explores the potential for wide-scale hydrogen production and utilization in the United States to enable resiliency of the power generation and transmission sectors, while also aligning diverse multibillion dollar domestic industries, domestic competitiveness, and job creation.

Quelle: Webseite DOE und Fuel Cell and Hydrogen Energy Association (FCHEA)

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Länder / Organisationen: USA

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