



Fuelcell energy solutions Jersey

Are fuel cells already in use in New Jersey?

To some extent, fuel cells already are in use in the state. New Jersey Resources, the owner of New Jersey Natural Gas, launched the state's first green pilot project, which went operational in 2021.

Can a fuel cell help reduce reliance on fossil fuels?

Fuel cells also can help the state reduce its reliance on fossil fuels in the transportation sector, according to the report. Instead, they would provide a carbon-neutral fuel to power cars, trucks, buses, forklifts and other transportation. A fuel cell uses the chemical energy of hydrogen to produce electricity with low- and zero emissions.

Can fuel cells provide clean power?

In the 92-page report released by the state Board of Public Utilities, fuel cells are viewed as potential options to provide clean power to critical facilities, such as hospitals, grocery stores and data centers, when power from the grid is interrupted by extreme storms or other events.

Can fuel cells help reduce climate pollution?

The analysis, completed by a gubernatorial-appointed task force, concluded fuel cells, using clean hydrogen, can play a critical role transitioning to clean energy and reducing climate pollution identified in New Jersey's Energy Master Plan.

What are fuel-cell electric vehicles?

Only two automakers, Toyota and Hyundai, currently offer fuel-cell electric vehicles for sale in the United States. Once created, the hubs can create networks of hydrogen producers to deliver and store large amounts of energy to be used in homes, vehicles and for portable power and industrial applications.

Are there hydrogen fueling stations in New Jersey?

There are no hydrogen fueling stations in New Jersey. Even California, the leader in fuel-cell electric vehicles, has only 15,000 vehicles on the road. The big advantage in fuel-cell electric vehicles is they do not need a battery, reducing the weight of the vehicle and letting it rack up more miles between recharging.

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Partnering states will also coordinate with their respective state entities to help align the consortium's efforts with each state's climate and clean energy goals, including New Jersey's Global Warming Response Act goal of reducing greenhouse gas emissions 80% by 2050, New York's goal of Reducing Greenhouse Gas Emissions 85 Percent by ...



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SFC Energy AG is a leading provider of hydrogen and direct methanol fuel cells for stationary, portable and mobile hybrid power solutions. With the Clean Energy and Clean Power Management business segments, SFC Energy is ...

The Hydrogen and Fuel Cell Technology Towards Clean Energy Goals report outlines strategies to increase fuel cell production and use in New Jersey, including state tax credits for investments or production of low-carbon ...

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The Bureau of Climate Change and Clean Energy is working to advance cost-effective use of fuels cells that use non-fossil fuels for commercial, industrial and institutional applications to reduce criteria pollutants and greenhouse gas emissions in New Jersey. To learn more, visit: US DOE Fuel Cell Technologies Office NJ Clean Energy Program

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This Report explores and identifies the ways in which New Jersey is well positioned to adopt fuel cell systems as a complement to responsibly developed offshore wind and solar for strategic uses in our 100% clean energy economy.

Fuel cell systems can play a critical role in achieving New Jersey's 2019 Energy Master Plan (EMP) goals and Pathway to 2050 objectives, and in implementing the Climate Resilience Strategy, filling the gap

The report identifies more than 20 recommendations to expand the use of hydrogen in New Jersey, including extending tax credits for production of low-carbon hydrogen, adopting incentives for fuel-cell technology to ...

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