

NEW REPORT RELEASED: “Renewable Hydrogen Roadmap: Advancing Zero-Emission Transportation and California’s Clean Energy Economy”

Energy Independence Now, in collaboration with The Leonardo DiCaprio Foundation and The California Hydrogen Business Council, Releases Roadmap on Critical Strategies to Advance Zero-Emission Transportation and Clean Energy Storage.

May 17, 2018 (Los Angeles) – Today, Energy Independence Now (EIN), in collaboration with the Leonardo DiCaprio Foundation and the California Hydrogen Business Council (CHBC), released a roadmap outlining key strategies to promote renewable hydrogen (RH₂) production that will help California achieve its clean energy and clean transportation goals.

On the heels of Governor Jerry Brown’s recent call for 5 million zero-emission vehicles by 2030 and 200 hydrogen stations by 2025, *EIN’s Renewable Hydrogen Roadmap* provides the blueprint to achieve these ambitious efforts in the cleanest possible manner. Fuel Cell Electric Vehicles (FCEVs) and renewable fuel are vital components of California’s zero-emission future. This Roadmap explores the most cost-effective and scalable production technologies and feedstocks, such as renewable electricity or biogas, to present viable pathways for industry, government and consumers.

“We are proud to support these important findings to help accelerate the development and deployment of clean, renewable transportation fuel and to ensure that hydrogen electric cars are available, affordable, and accessible for every Californian,” said **Leonardo DiCaprio Foundation CEO, Terry Tamminen**. “This paper, at the intersection of technology and cutting-edge environmental and energy policy, presents innovative solutions that government, industry and consumers all can use, and will help make California a model for the rest of the world to follow.”

“*EIN’s Renewable Hydrogen Roadmap* lays out policy and action recommendations to help California achieve its ambitious energy, climate and air quality goals by dramatically reducing pollution and GHG emissions from the energy generation and transportation sectors,” said **EIN’s Executive Director, Brian Goldstein**. “California is globally renowned for its environmental leadership and innovation, embracing clean energy policies that are reducing carbon emissions and pollution while creating new jobs and economic growth opportunities that are the envy of the world. Pioneering the renewable hydrogen marketplace offers a tremendous opportunity for California to continue to lead the way.” California has committed to building 200 hydrogen fueling stations by 2025 and there are already thousands of hydrogen FCEVs on the roads of the Golden State. Zero-emission FCEVs use hydrogen to produce electricity on board, requiring less than 5 minutes to refuel for driving ranges up to 360 miles.

The Renewable Hydrogen Roadmap’s key proposals include:

1. Increasing financial support and market-building mechanisms to catalyze the development of RH₂ production at scale.
2. Creating state and federal policies that support the vision of RH₂ and the pathways to develop and scale RH₂ deployment.
3. Educating policymakers, stakeholders and the public about the benefits of scalable RH₂ production, which will accelerate the adoption and deployment of renewable electricity and clean, zero-emission transportation fuels.

“CHBC members see renewable hydrogen as the cornerstone of the zero-emission transportation future in California,” said **Jeff Serfass, Executive Director of the California Hydrogen Business Council**. “At-scale renewable hydrogen production is critical, not only for FCEVs, but also to support fueling of medium and heavy-duty vehicles like buses and trucks. This roadmap outlines initiatives to meet the demand for those vehicles.”

The transportation sector is by far the largest source of greenhouse gas (GHG) emissions in California, generating 37% of the state’s GHGs or 163 million tons of carbon dioxide equivalent in 2014. California’s climate and clean energy laws already require cutting petroleum use in half and cutting GHG emissions by 40% (from 1990 levels) by 2030. California also has committed to dramatically increase production of renewable electricity by generating 50% of its power from renewable sources by 2030. RH2 can help California achieve both initiatives, providing zero-emission fuel and critical storage opportunities for renewable energy.

EIN continues to work with environmental, energy and transportation experts such as the CHBC and the Leonardo DiCaprio Foundation to implement the findings of the roadmap, which was made possible by their generous support as well as by the South Coast Air Quality Management District (SCAQMD), Toyota Motor Corporation, Honda Motor Company, Southern California Gas Company, Pacific Gas & Electric Company, The Linde Group, Nel Hydrogen, Hydrogenics Corporation, ITM Power, FuelCell Energy and Proton OnSite.

The roadmap and executive summary can be accessed at <https://einow.org/rh2roadmap>

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Energy Independence Now (EIN) is the only environmental nonprofit dedicated to advancing fuel cell electric vehicles (FCEVs) and the hydrogen-fueling infrastructure required to catalyze a rapid transition to a clean energy and transportation economy. EIN engages in comprehensive research, strategic policy advocacy and public outreach to promote the widespread adoption of FCEVs and renewable hydrogen as a key part of the zero-emission future of transportation. More information at www.einow.org

The Leonardo DiCaprio Foundation (LDF) is dedicated to the long-term health and wellbeing of all Earth’s inhabitants. LDF supports projects around the world that build climate resiliency, protect vulnerable wildlife, and restore balance to threatened ecosystems and communities.

Through grant-making, public campaigns and media initiatives, LDF brings attention and needed funding to six program areas – Wildlands Conservation, Oceans Conservation, Climate Change, Indigenous Rights, Transforming California and Innovative Solutions. More information at www.leonardodicaprio.org

The California Hydrogen Business Council (CHBC) is comprised of over 100 companies, agencies and individuals involved in the business of hydrogen. Our mission is to advance the commercialization of hydrogen in the energy sector, including transportation, goods movement, and stationary power systems to reduce emissions and dependence on oil. More information at www.californiahydrogen.org