Biden-Harris Administration Announces

$750 MILLION TO ADVANCE CLEAN HYDROGEN TECHNOLOGIES

"This funding launches the first tranche of implementation of two provisions of the BIL, which authorizes **$1 billion for research, development, demonstration,** and **deployment activities** to reduce the cost of **clean hydrogen produced via electrolysis and $500 million** for improved processes and technologies for manufacturing and recycling clean hydrogen systems and materials"

UTAH CLEAN CITIES
Clean Fuels • Clean Strategies • Clean Air

*"Produced with **net-zero carbon emissions**, clean hydrogen is a key pillar in the emerging clean energy economy and will be essential for reaching the President's goal of a **100% clean electrical grid by 2035 and net-zero carbon emissions by 2050.**"*

SEE FULL DOE ANNOUNCEMENT

UTAHS H2 STEERING COMMITTEE

Future of Hydrogen In Utah.
Utah H2 Steering Committee convenes both the public and private sector with resources, funding opportunities and updates.

2023 UTAH LEGISLATION

S.B. 62 Hydrogen Amendments

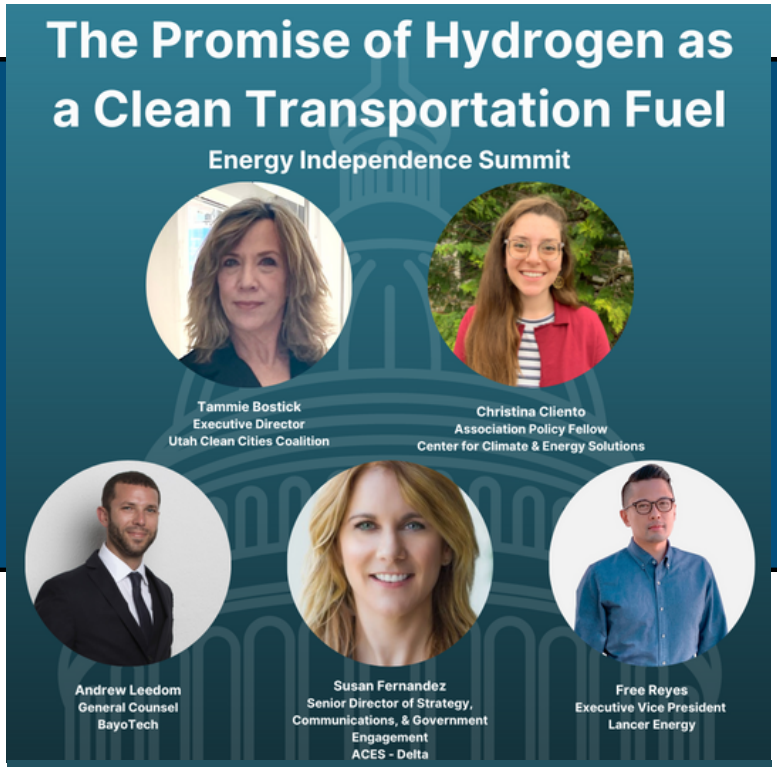
H.B. 426 Statewide Energy Policy Amendments

S.B. 125 Transportation Infrastructure Amendments

DOE HYDROGEN AND FUEL CELL TECHNOLOGIES OFFICE

Bringing hydrogen and fuel cell technologies to enable innovation, a strong domestic economy, and a clean, equitable energy future.

WWW.UTAHCLEANCITIES.ORG/HYDROGEN



EIS Hydrogen Session and Panel
Washington, DC February 2023

"Utah is the hydrogen hub of the West. We are strategically positioned to lead this technology to secure a decarbonized transportation revolution in the US."

Tammie Bostick, Utah Clean Cities

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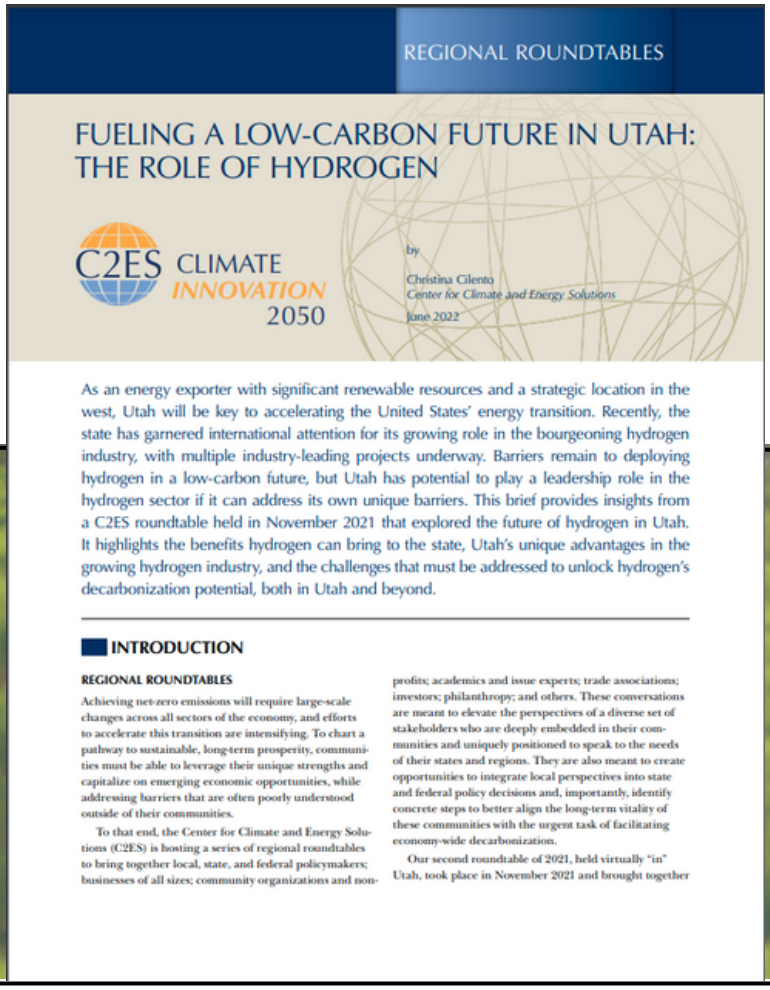
HYDROGEN AS A CLEAN TRANSPORTATION FUEL

The **2023 Energy Independence Summit** set the stage for Utah Clean Cities to highlight the real-world deployment of hydrogen in Utah and the West and the role of policy, industry, and the DOE Clean Cities Vehicle Technologies program.

The Energy Independence Summit is a national, and state-centric network of the most dedicated group of professional, industry, academic, and premier national labs partnerships working with a vast network of public and private partnerships to ensure clean fuels, clean strategies, and clean air will be our future.



REGIONAL ROUNDTABLES

FUELING A LOW-CARBON FUTURE IN UTAH: THE ROLE OF HYDROGEN

C2ES CLIMATE INNOVATION 2050

by
Christina Cliento
Center for Climate and Energy Solutions
June 2022

As an energy exporter with significant renewable resources and a strategic location in the west, Utah will be key to accelerating the United States' energy transition. Recently, the state has garnered international attention for its growing role in the bourgeoning hydrogen industry, with multiple industry-leading projects underway. Barriers remain to deploying hydrogen in a low-carbon future, but Utah has potential to play a leadership role in the hydrogen sector if it can address its own unique barriers. This brief provides insights from a C2ES roundtable held in November 2021 that explored the future of hydrogen in Utah. It highlights the benefits hydrogen can bring to the state, Utah's unique advantages in the growing hydrogen industry, and the challenges that must be addressed to unlock hydrogen's decarbonization potential, both in Utah and beyond.

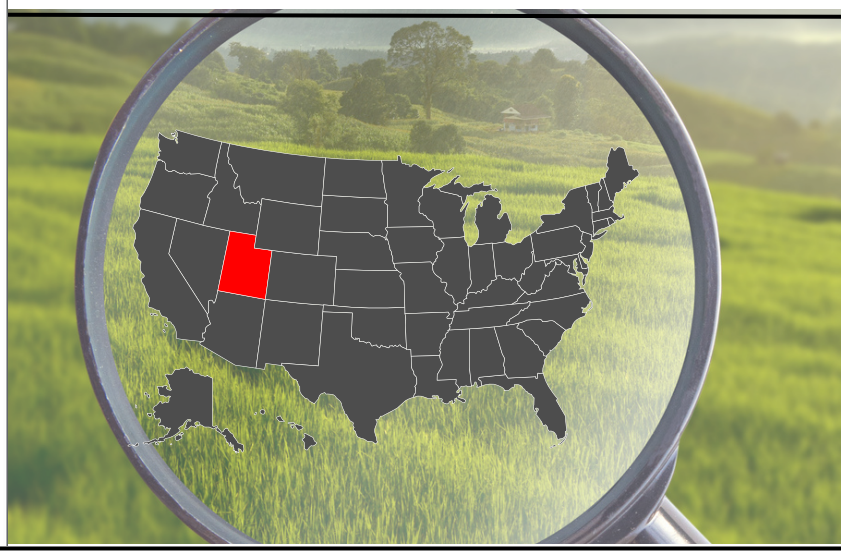
INTRODUCTION

REGIONAL ROUNDTABLES

Achieving net-zero emissions will require large-scale changes across all sectors of the economy, and efforts to accelerate this transition are intensifying. To chart a pathway to sustainable, long-term prosperity, communities must be able to leverage their unique strengths and capitalize on emerging economic opportunities, while addressing barriers that are often poorly understood outside of their communities.

To that end, the Center for Climate and Energy Solutions (C2ES) is hosting a series of regional roundtables to bring together local, state, and federal policymakers; businesses of all sizes; community organizations and non-profits; academics and issue experts; trade associations; investors; philanthropy; and others. These conversations are meant to elevate the perspectives of a diverse set of stakeholders who are deeply embedded in their communities and uniquely positioned to speak to the needs of their states and regions. They are also meant to create opportunities to integrate local perspectives into state and federal policy decisions and, importantly, identify concrete steps to better align the long-term vitality of these communities with the urgent task of facilitating economy-wide decarbonization.

Our second roundtable of 2021, held virtually "in" Utah, took place in November 2021 and brought together



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