

NATIONAL CAPITAL HYDROGEN CENTER

powered by  CONNECTED DMV

ABOUT THE CENTER

The National Capital Hydrogen Center will accelerate the creation of a hydrogen eco-system in Greater Washington and foster collaboration across organizations in support of the national imperative to add hydrogen solutions to our country's clean energy future. Connected DMV is creating this independent center to utilize the exceptional assets of our regional commercial, governmental, academic, community, and philanthropic organizations. The Center will plan the rollout of hydrogen infrastructure to rapidly deliver economically viable hydrogen projects, thereby accelerating scale and cost competitiveness. The full lifecycle of project planning, execution, and benefit delivery will incorporate social equity and environmental justice as foundational principles, consistent with the Connected DMV mission.

While the DMV region has progressed in renewable energy and energy efficiency, additional solutions are required to reach the climate change goals established by government, higher education, and industry. We need clean energy alternatives that can be transported, stored, and utilized – especially in sectors that are the hardest to decarbonize. Greater Washington is the natural home for this center given the abundant resources, leading policy advocates, forward-thinking government leaders, and commercial leaders. This region has a culture of innovation and leadership that attracts attention, investment, and talent, along with a population that is determined to combat climate change in both policy and delivered results.

WHY HYDROGEN?

Hydrogen can deliver carbon-free energy with water as the only emission. It is easy to store and transport, providing flexibility for many applications, including transportation, manufacturing, power generation and storage. By 2050, hydrogen has the ability to:



CENTER AT A GLANCE

Business Model

501(c)(3) organization with co-equal participation across community, academia, government, industry, community and philanthropy.

Governance

Independent governance via a steering committee comprising leaders across relevant domains. Following the Strategy Phase, a Board of Trustees will be installed. The steering committee and board will comprise public, private, academic, community and philanthropic leaders.

Funding Model and Budget

\$2.0M to launch the Strategy Phase, including the business plan for the National Capital Hydrogen Center, its lead projects - H₂DMV and the DMV Hydrogen Greenprint to be funded by government, industry, and philanthropy.

Use of Funds

Costs to deliver the Strategy Phase include nonprofit payroll, professional and legal services, technology, and administrative activities to establish the Center and work the projects.

Ecosystem

The ecosystem will comprise organizations and institutions from: Federal, State, and Local Governments, Defense and National Security, Nonprofits and NGO's, Academia, and Commercial Enterprises from the Energy, Transportation, Technology, Manufacturing and professional services sectors.

CROSS-SECTOR STEERING COMMITTEE

Washington Gas

Mallik Angalakudati

Metropolitan Washington Council of Governments

Chuck Bean

The 2030 Group

Bob Buchanan

Dominion Energy

Geovanni Castano

Exelon

Sunny Elebua

Universal Hydrogen

Paul Eremeko

Natural Resources Defense Council

Rachel Fakhry

DC Water

David Gadis

U.S. Dept of Transportation, Office of Innovation

Melissa King [Ex-Officio]

Bloom Energy

Dan Middleton

Metropolitan Washington Airports Authority

Jack Potter

U.S. Dept of Energy: Office of Energy Efficiency &

Renewable Energy

Dr. Sunita Satyapal [Ex-Officio]

BWI Marshall Airport & Maryland Aviation Admin.

Ricky Smith

Connected DMV

Stu Solomon

Pepco

Dave Velazquez

George Mason University

Dr. Gregory Washington

K&L Gates

David Wochner

THE TIME FOR
COLLABORATION &
INVESTMENT
IS NOW.

www.connecteddmv.org/hydrogen

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DMV HYDROGEN
GREENPRINT



To learn more about the Center's first two activities, the DMV Hydrogen Greenprint and H2DMV, [click here.](#)