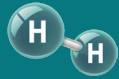




POWERING CALIFORNIA'S CLEAN HYDROGEN FUTURE

Delivering Results. Creating Jobs. Advancing Energy Independence.



Accelerating a Clean Hydrogen Economy in California

ARCHES (Alliance for Renewable Clean Hydrogen Energy Systems) is California's public-private partnership to build a world-leading hydrogen ecosystem and marketplace that delivers high-quality jobs, clean energy infrastructure, and global competitiveness. In its first year under federal contract, ARCHES is demonstrating the transformative potential of hydrogen to meet state and national climate, economic, and infrastructure goals.

Statewide Project Deployment

ARCHES is actively advancing **over 75 hydrogen infrastructure projects** across California:

35

federally supported H2Hub projects

40+

additional ecosystem projects

Combined
investment value:

**\$70+
billion**

proposed to date



“

ARCHES aligns perfectly with our commitment to domestic energy production and our vision for American energy independence.

MATT MCMONAGLE
CEO, NovoHydrogen

”

These projects cover all phases of the domestic hydrogen lifecycle—from production and distribution to end use in multiple sectors—and provides a roadmap and strategy for scalable hydrogen end-to-end growth.

H2Hub Investment Portfolio

\$1.2B

from the U.S.
Department of Energy

\$11B AND GROWING

in private, state, and local investment through matching funding, direct partnerships, and market participation



This level of investment enables shovel-ready infrastructure, accelerates permitting timelines, and unlocks downstream development in goods movement, energy, and manufacturing.

California Jobs: A Skilled Workforce Strategy

ARCHES is projected to generate over **220,000 skilled, high-wage careers** across the state including electricians, welders, pipefitters, and technicians. These jobs will be created through:

- **Project Labor Agreements (PLAs)** on all H2Hub-funded projects
- **Training pipelines** coordinated with labor unions, community colleges, workforce boards, and regional support.
- **Focused engagement in regions with high unemployment** including the Central Valley, Inland Empire, and other industrial corridors.



Building a Statewide Hydrogen Market

ARCHES is leading California's clean hydrogen strategy and implementation by scaling, creating, and connecting production and demand across key sectors. Priority efforts focus on expanding infrastructure, driving innovation, and accelerating deployment through strategic public-private partnerships and marketplace development.



Transportation & Freight

- Issued RFQ for fuel cell Class 8 trucks.
- Engaged 40+ partners via RFI to inform infrastructure strategy.
- Collaborating with state transit agencies and air districts to establish bus and heavy-duty hydrogen infrastructure and implementation.
- Expanding fueling networks along priority freight corridors.



Ports & Maritime

- Released white paper on hydrogen in shipping and port logistics.
- Collaborating on hydrogen-fueled vessel deployment.
- Working to realize cargo handling equipment and associated hydrogen deployments.



Agriculture & Industrial

- **ARCHES** is supporting the transition to clean hydrogen in the agriculture and industrial sectors to reduce emissions, boost domestic supply chains, and position California as a sustainability leader.



Power Generation & Infrastructure

- LADWP's Scattergood project and NCPA's Lodi Energy Center leading as hydrogen ready power models for the region.
- Released an Request for Information (RFI) to advance California's Hydrogen Pipeline Strategy, laying the groundwork for statewide infrastructure.



Statewide Strategy & Planning

In 2025, **ARCHES** coordinated California's hydrogen buildout through major interagency, legislative, and industry collaborations:

ARCHES HYDROGEN SYMPOSIUM (2025)

- Convened 300+ stakeholders from labor, industry, academia, and government.
- Set development and deployment priorities across regions.

GO-BIZ INTERAGENCY HYDROGEN SUMMIT

- Coordinated regulatory, permitting, and planning alignment across 25 state agencies.
- Identified needs for streamlining project timelines.

LEGISLATIVE ENGAGEMENT

- Testimony at the Select Committee on Building a Zero-Carbon Hydrogen Economy.
- Ongoing briefings for legislative budget and energy committees.

ARCHES Supports State Goals and Mandates

ARCHES' efforts to progress the renewable hydrogen marketplace in California directly move industry towards the clean energy goals and mandates of the state.

CLEAN ENERGY

- SB100 (100% clean energy)
- SB423 (firm zero carbon resources)
- SB1020 (interim clean energy targets)

CLEAN TRANSPORTATION

- Exec. Order 79-20 (ZEVs)
- ZEV Regulations
- Advanced Clean Fleets
- Low Carbon Fuel Standard

CLIMATE CHANGE

- AB32
- SB32 (2030 Target)
- AB1279 (carbon neutrality)
- Governor/Scoping Plan Goals (sustainable aviation fuel, carbon removal, etc.)

MARKET TRANSITIONS

- Cap-and-Trade
- Governor's infrastructure package and executive order
- ARCHES Hydrogen Hub selection

ARCHES is Delivering on California's Policy Priorities

ARCHES directly supports the implementation of statewide goals related to:

- Infrastructure modernization
- Domestic energy production
- Power system reliability
- Advanced transportation
- Regional economic development
- Expanded manufacturing



Elected Support for ARCHES

As a public-private partnership formed at the direction of the Governor of California and the UC Board of Regents, **ARCHES** is a critical part of the State's plan to create a net-zero economy through development of renewable energy infrastructure and commercial marketplace.

“ Hydrogen is an important compliment to other carbon-free solutions, such as solar, clean energy, and climate goals. **ARCHES shares California's goal to move toward a robust H2 economy and marketplace, and a cleaner, greener future.** The Legislature will continue partnering with ARCHES to create a policy environment to advance a clean hydrogen economy, to facilitate investing matching state funds in hydrogen projects **through ARCHES, and support local and statewide community create an economically resilient hub that helps accelerate our decarbonization efforts and helps California establish a clean economy and clean environment.** ”

- 4/4/23 Letter of support from CA State Senate

[READ THE FULL LETTER](#)

“ The Legislature will work with ARCHES to create a policy environment to advance a clean hydrogen economy zero-carbon future funds in hydrogen projects through ARCHES, and support local and statewide community engagement and outreach. **We offer our support to ARCHES' vision to create an economically resilient hub, and look forward to working with all stakeholders to ensure that hydrogen projects help accelerate our decarbonization efforts, establish a foundation for a clean economy, and provide a meaningful impact to cleaning our environment.** ”

- 4/4/23 Letter of support from CA State Assembly

[READ THE FULL LETTER](#)

“ **ARCHES plays a critical role in securing American energy dominance, advancing world-leading energy technology, creating new manufacturing jobs, and lowering energy costs for American families.** The investment is already being used to bring together private industry, local governments, and community organizations to collaborate and build a secure, American-made energy future. We view ARCHES as a strategic investment in American energy innovation, an all-of-the-above energy strategy, and energy independence and competitiveness. ”

- 4/7/25 Letter to the Department Of Energy Secretary Chris Wright from U.S. Senators Padilla and Schiff, and Representatives Whitesides, Levin, Kim, Takano, Valadao, Lofgren, Fong, Aguilar, Obernolte, Carbajal, Tran, Khanna, Panetta, Min, Lieu, Barragan, Pelosi, Mullin, Garamendi, Waters, Friedman, Matsui, Sherman, Ruiz, Harder, Gomez, Correa, Sánchez, Garcia, Huffman, Simon, Peters, Cisneros, Chu, Costa, Jacobs, Torres, Thompson, Liccardo, Varbas, Bera, Brownley, Swalwell, DeSaulnier, Rivas, Gray, Dove

Next Steps: Let's Keep Building

ARCHES is already turning plans into progress. With continued legislative partnership, California can fully realize its hydrogen economy—and lead the nation in clean, secure, domestic, and job-driven energy infrastructure.

For more information or to discuss legislation, partnership or budget support:

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