



Mission

ARCHES is a public-private partnership to create a sustainable statewide clean hydrogen (H₂) hub in California and beyond, utilizing local renewable resources to produce hydrogen with the objective to fully decarbonize the regional economy, while prioritizing environmental justice, equity, economic leadership and workforce development.

ARCHES Principles

✔ Statewide

Leveraging California's size and diverse geography and economy to produce, transport, store, and use H₂ at scale with multiple clusters of each, provides an ideal H₂ test-bed for the nation.

✔ Green

California has long led the nation and the world in environmental innovation and policy and will do so again with clean H₂.

✔ Stakeholder and Community-Engaged

Built-in and ensured at all stages of the process.

✔ Equity and Justice Centered

Prioritized in all decisions with a focus on California's impacted, disadvantaged, low-income, and tribal communities.

✔ Aligned with State Interests

To move California toward a robust H₂ economy and marketplace, and a cleaner, greener future.

✔ Solution-Oriented

Focused on implementation with targeted research and innovation to achieve the DOE's \$2/kg 5-year goal and the administration's \$1/kg 10-year goal.

✔ Objective and Unbiased

Representing and ensuring the interests of all parties.

✔ Multi-Dimensional

Considering all aspects of a successful H₂ economy.

✔ Connected

Within California and other H₂ hubs.

ARCHES Priorities

Prioritize renewable, clean H₂ (green H₂).

Focus efforts on communities with the largest pollution burden.

Invest in the energy system, taking a multi-sectoral approach.

Develop public policy that enables early-markets, while private capital scales them.

Prioritize hardest to abate sectors with biggest emissions profiles, focusing on creating economically sustainable markets.

Create an economically sustainable, expanding, renewable H₂ market

ARCHES Commitments to Community, Energy and Environmental Equity and Justice



Only fund production, distribution storage and use of clean renewable hydrogen.

ARCHES Will:



Not fund blending of hydrogen in natural gas distribution pipelines.



Include Organized Labor, Cities and Local Governments, Tribal Nations, Communities and Environmental Justice Organizations in its governance and decision-making.



Involve local communities in decision-making about projects in their communities.



Require that at least 40% of the benefits from its projects flow to California's disadvantaged communities.



Ensure that training programs, career development support and high-road career opportunities are available to California's disadvantaged communities.



Require that all projects advance diversity, equity, inclusion and accessibility.



archesH2.org