



www.colorado-hydrogen.org

Monthly Meeting
21 July 2026

Agenda

- Updates on what's happening
 - Three hydrogen fuel stations
 - HEFT update & Matching Grant
 - Breathe Transport
 - Natural Hydrogen prospecting
 - Saoradh Hydrogen Mountain Retreat
 - Hydrogen Council of Councils
 - Hydrogen Day event
 - Coming podcasts

Three Hydrogen Fuel stations

NEW DAY
HYDROGEN 



Buford Barr
COO New Day Hydrogen



Hydrogen Energy Foundation Trust



- **IRS has awarded 501(c)(3) status to HEFT**
- Tax-deductible donations can be used to help fund projects and programs
 - Vehicles
 - Workforce development



Jim Fouch
Exec. Dir.

Matching Grant

- Brian DeBruine will match donations to HEFT 1:1
 - Up to \$2,500 total
 - Donations are tax-deductible
- Send checks to:
Hydrogen Energy Foundation Trust
888 Logan Street, Unit 5-i
Denver, CO 80203
- For more information, contact Jim Fouch at:
giving@heftfoundation.org

Status – Breathe Transport

- Breathe Transport provides rental of a hydrogen fuel cell Mirai
- Rental through Turo
 - Peer-to-peer car rental marketplace that allows private car owners to rent out their vehicles via an online interface
- Hydrogen is provided by a mobile fueler from ElektrikGreen
- Status:
 - Mirai not yet available for rental pending completion of the fueler



Status – Natural Hydrogen Prospecting

- Top companies currently prospecting:
 - Gold Hydrogen, Koloma, HyTerra, Max Power, Helios Aragon
FDE (Française De l'Énergie)
- These companies still working to determine commercial flow rates
 - Companies are still testing their wells to see if they can produce enough gas to make money
- Good source of info (and podcast): [NatH2investing.com](https://natH2investing.com).

We still don't know hydrogen reservoir sizes and regeneration rates

Why Geo Hydrogen?

Take-Away:
*Geologic Hydrogen is needed
 to make hydrogen competitive with diesel
 for Heavy Duty (HD) Vehicles*

H ₂ Price Target per kg			
Vehicle Type	Petrol. \$ per gal	EER	Target Price
Gasoline LD/MD vehicle	\$4.00	2.5	\$10.00
Diesel LD/MD vehicle	\$5.00	1.9	\$9.50
Diesel HD Local Use	\$5.00	1.5	\$7.50
Diesel HD Highway	\$5.00	1.1	\$5.50
Natural Gas	n/a	n/a	\$1.14



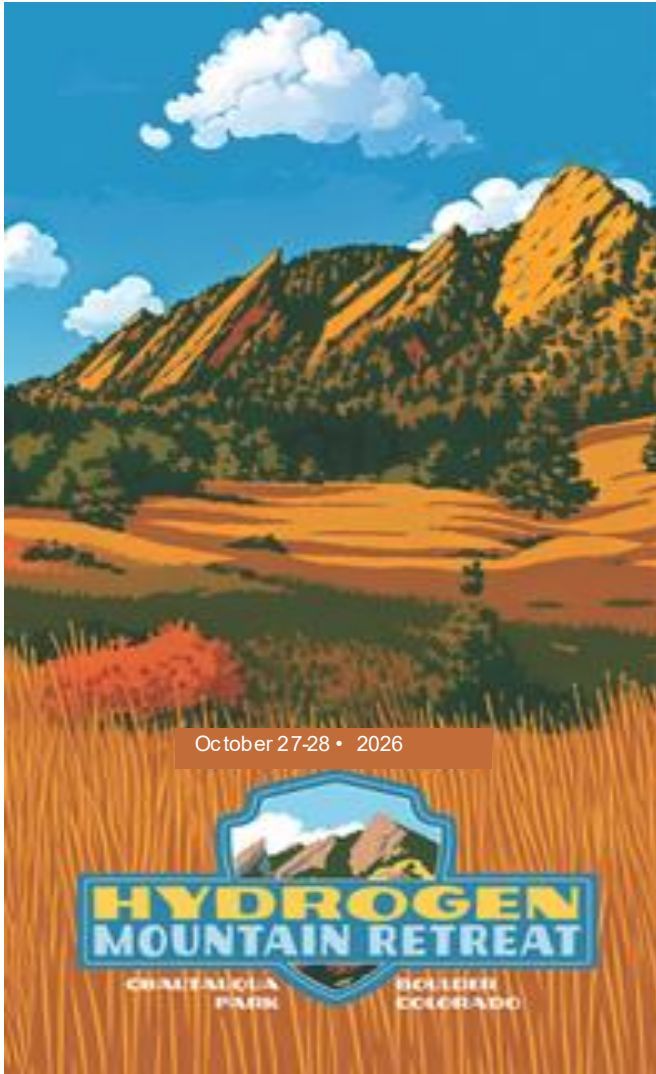
Rough Order Cost \$ per kg	GH ₂	LH ₂	Pipeline	On-Site Electrolysis
Geo Hydrogen	\$0.30	\$0.30	\$0.30	n/a
Transport	\$3.92	\$4.59	\$0.80	n/a
Delivered Cost	\$4.22	\$4.89	\$1.10	\$8.75*



* OPEX + CAPEX

		Cost Summary			
		\$4.22	\$4.89	\$1.10	\$8.75*
Target Price	\$11.25	✓	✓	n/a	✓
	\$10.45	✓	✓	n/a	✓
	\$8.25	✓	✓	n/a	
	\$6.05	✓	✓	n/a	
	\$1.14			✓	

Saoradh Hydrogen Mountain Retreat



**SAORADH™
ENTERPRISE
PARTNERS**

- Third annual retreat
 - Oct 27 – 29, 2026
 - Two days of presentations, group discussions and networking
 - Invitation-only event
- Hosted by Saoradh Enterprise Partners, Boulder
- It brings together leaders, startups, and investors in the clean energy and hydrogen ecosystem
- CHN invited to attend again for the third year
 - Podcasts will be recorded on-site

2025 attendees



Phil Wiser

AFRY	Electric Hydrogen	Nikkiso CEIG
Agami Zero, Inc.	Energy Capital Ventures	North America Orion Steel
Alternative Fuels & Hydrogen Caterpillar	Energy Systems	NREL
American Honda Motor Co.	Energy Transfer	OCA Ventures
Ammobia Inc.	ENGIE North America	OMC Hydrogen
Apricus Capital Partners	EPRI	OneH2
Attorney General State of Colorado	Foley Hoag LLP	P2X AFRY
B&W	Graphitic Energy	Pickwick Capital Partners
BayoTech	Gulf Coast Energy Catalysts	Ramboll
Blaze Energy Technologies	H Cycle, LLC	RASEI
Bosch LLC	Hestia Energy	Renewable & Sustainable Energy Institute U of Colo
CapCO2 Solutions	Hydrogen Fuel Cell Partnership	Robert Bosch LLC
Carbon Solutions	HyReveal	Stanford University
Gold Hydrogen (now Eclipse Energy)	Hyroad Energy	Sumitomo Corporation of Americas
CHARGE/PNWH2	HySource	SunHydrogen
Claire Technologies	HyVizion Advisory	The Pape Group
Climate Adaptive Infrastructure	Independence Hydrogen	Toyota Tsusho
Colorado Cleantech	Japan Hydrogen Forum / Mitsui & Co.	True Green Capital
Colorado Frontier Consulting/SEP	LSB Industries	Uniper Global Commodities North America
Colorado Hydrogen Network	Methylenium Energy Corp.	United States Hydrogen Alliance
Colorado Innovation Center Fortescue	Mitsubishi Corporation (Americas)	University of Colorado
Critical Chemicals Company LLC	Modern Hydrogen	US Hycamite
Davis Graham & Stubbs LLP	Toyota Motor North America	West Virginia Methanol
EdgeCloudLink	New Day Hydrogen	Xcel Energy
Electric Power Research Institute (EPRI)	New Energy Management	



About Saoradh

- Saoradh Enterprise Partners is a cleantech venture capital and transactional research firm that brings a new approach to driving commercialization of impactful technologies
- SEP's first Practice Area is hydrogen
- SEP partners with
 - Innovators
 - Entrepreneurs
 - Corporations
 - To find cleantech solutions at the intersection of science (what's possible) finance (what's bankable) industry (what's needed) and planet (what matters).

Saoradh's Hydrogen Services

1. Hydrogen Data Consortium

- A membership group that provides companies with exclusive data and mapping tools to track the North American hydrogen market
- Membership by invitation

2. North American Hydrogen Model

- A dynamic system that maps thousands of sites and assets at the plant level
- Graphical User Interface streamlines market analysis

3. Global Hydrogen Supply Chain Database

- Tracks all the key startups and large companies that are offering or have announced hydrogen-related products or services
 - 3,000+ companies, 8,000+ contracts
- Only available to Hydrogen Data Consortium members

1. What the Hydrogen Data Consortium Tracks

- **The North American Hydrogen Market Model:** A dynamic system that maps thousands of sites and assets at the plant level.
- **Supply and Demand:** Current and planned production, infrastructure (pipelines, power lines, and ports), and end-user data like chemicals and refining.
- **Financial Incentives:** A tracker for US government funding awards and ARPA-e grants
- **Industry News & Patents:** Daily news feeds, archived articles, and patent searches

2. Hydrogen Market Model

Tracks thousands of assets at the plant level and provides an extensive range of analytical tools, search and sort features, and mapping. The sections of the Model include:

- Market Demand – data tables and mapping for current, planned and potential demand facilities
- Infrastructure - Data tables and mapping covering pipelines, power lines, CO₂ point sources, power plants, renewable power curtailment, RNG production and ports
- Facility Design & Tech Comparison - Locate, size and evaluate the economics, carbon intensity and supply/demand market profile for any planned hydrogen production facility
- Market Supply – Data tables and mapping for current and planned hydrogen production facilities
- Forecasting - Tracks leading forecasts by DoE, Lazard and others and provides custom forecasting tools based on the Market Demand datasets.

SEP Hydrogen Data Consortium

SEP North American Hydrogen Data Consortium



Hydrogen Council of Councils by CTE

(#)



CTE – Center for Transportation and the Environment

- A 501(c)(3) non-profit organization that develops and implements zero-emission vehicles and supporting infrastructure
- CTE works with vehicle manufacturers, component providers, and fleet operators, including transit agencies and logistics organizations to take technology from concept to commercialization via these services:

[Website CTE.TV](http://CTE.TV)



Technology
Development →



Smart
Deployment →



Transition
Planning →



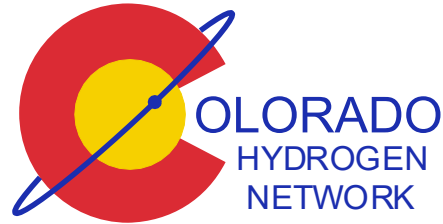
Advocacy →



Grant Writing as
a Service →

CTE Hydrogen Council of Councils

- CTE is sponsoring a “Council of Councils” to facilitate cooperation between hydrogen advocacy organizations



CTE Hydrogen Council of Councils

- Texas Hydrogen Alliance, texashydrogenalliance.org
 - Susan Shifflet
- US Hydrogen Alliance, ushydrogenalliance.org
 - Roxanna Bakemohammadi
- SE Hydrogen Energy Alliance, seh2.energy
 - David Doctor, Principal
- Colorado Hydrogen Network, colorado-hydrogen.org
 - Brian DeBruine, Director
- Northeast Hydrogen Alliance (see Linked-In)
 - Sashe Annett, Founding Director
- Renewable Hydrogen Alliance, renewableh2.org
 - Martina Steinkusz, Director of Market Development
- Hydrogen Fuel Cell Partnership, h2fcp.org
 - Jennifer Hamilton, Operations and Tech Director

Hydrogen Day 2026

- Beginning the planning process
 - Standby for more info as plans develop
- Theme – The coming Hydrogen Fuel Stations
- Target date Saturday Oct 3rd
 - Because Hydrogen Day (Oct 8th) is on a Thursday we expect better attendance on a weekend
 - Note the *following* Saturday is Columbus Day weekend
 - Not as suitable for attendance
- Target audience:
 - The public, trucking fleets, transit fleets, municipalities, DIA
- If you have ideas, questions or want to help, contact Brian
 - brian.debruine@gmail.com.

Podcasts In-Work

- “California Hydrogen Station Lessons-Learned”
 - With Bill Elrick Exec. Dir. California Fuel Cell Partnership
- “HYSKY Hydrogen Aviation advocacy organization”
 - With Danielle McLean, CEO and founder
- “Southeast Hydrogen Alliance”
 - With David Doctor.



HydrogenNowCast



Podcast