



www.colorado-hydrogen.org

Monthly Meeting
October 2026

Agenda

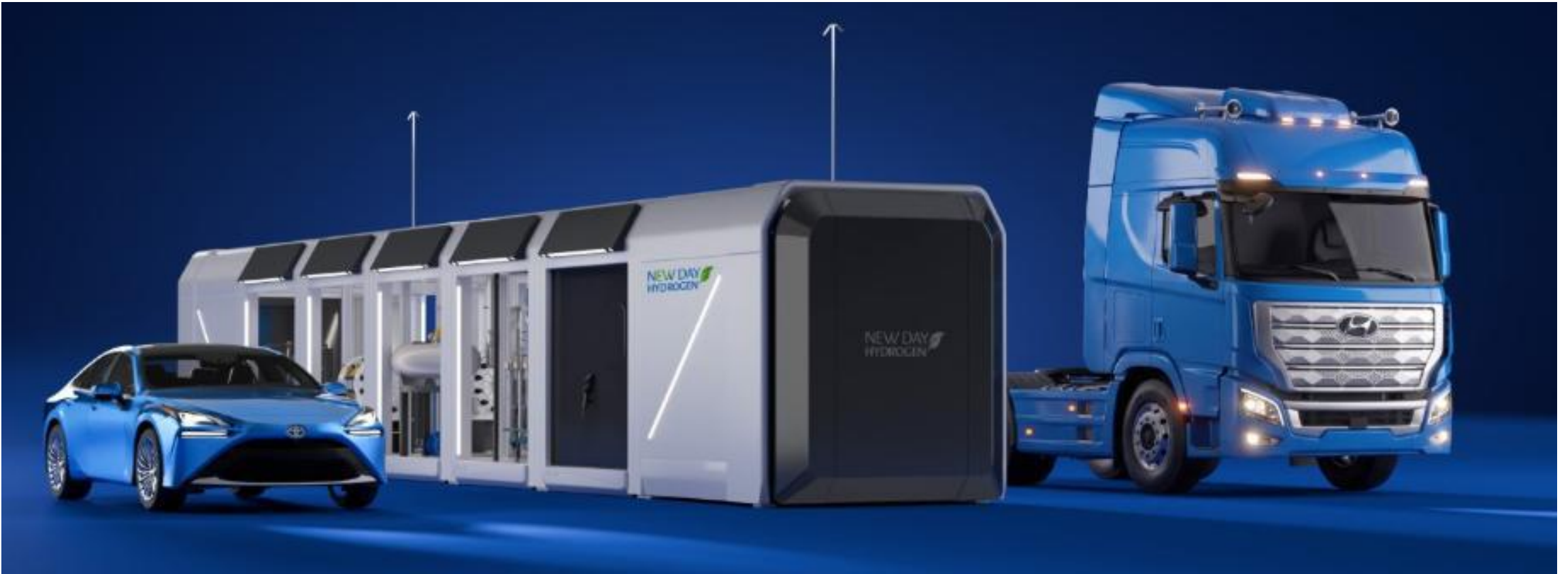
- Announcing a “Hydrogen EV Pioneers” Car Club
- HySky “FlyingHy” Conference
- Data Centers – Large or Small?
- Podcast update

Announcing the “Hydrogen EV Pioneers” Car Club

Purpose - To organize a group of Front Range Hydrogen EV (HEV) enthusiasts to operate vehicles in advance of HEV sales here

- Program to start when the three hydrogen fuel stations become operational
 - Late 2027
- Cars obtained through the automakers
- Drivers to be ambassadors for hydrogen transportation.

Hydrogen Fuel Stations Coming 3Q 2027



HEV Beta Tester Program - Roles & Responsibilities

- New Day Hydrogen & Hydrogen Energy Foundation Trust (HEFT)
 - PoC with automakers
 - Work with automakers to obtain vehicles
- Automakers
 - Make vehicles available for lease (at low-cost or no-cost?)
 - Add graphics to the vehicles
 - Recommend a plan for servicing hydrogen drivetrain (in California or other)
- CHN
 - Organize / oversee The Club
 - Manage drivers, set expectations
 - Educate



- Drivers
 - Operate vehicles and purchase fuel
 - Ambassadors for hydrogen vehicles
 - Report usage experience with the cars to The Club
 - Responsible for the lease fees
 - IRS requirement that club members may not materially benefit from the club membership
- Car Club
 - Register as a non-profit 501(c)(7)

Drivers

- Drivers should consider the HEV as secondary transportation
 - Single fuel station within range may be off-line (rarely)
 - Vehicle service may have to be performed in California where hydrogen tooling is available
- Be ambassadors for the technology
 - To friends & family, strangers, the media
- We will ask the automakers provide graphics for the vehicles



Sample of Vehicle Graphics
(Toyota Mirai pictured)

Driver Benefits in Participating

- “Be the first kid on the block” to have the technology of the future
- Help spread awareness of the benefits of Hydrogen EV’s
 - Vehicles with graphics will be seen around town by the public and the media
- Help start the hydrogen transportation market
 - Provide demand for hydrogen fuel
 - Give the automakers confidence to begin full sales in Colorado.

If you'd like to be a driver, contact Brian at brian.debruine@gmail.com

The Cars



Toyota Mirai
Fuel Cell Electric Vehicle (FCEV)



Honda CR-V e:FCEV
Plug-in Fuel Cell Hybrid EV



Hyundai Nexo
Fuel Cell Electric Vehicle (FCEV)

Matching Grant - Hydrogen Energy Foundation Trust

- 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



Jim Fouch
Exec. Dir.

www.heftfoundation.org



HySky Summit “Flying Hy”

The 4th Global



Nov 4, 2026 9:00 AM - 5:00 PM CT
Zoom (Virtual)

A one-day virtual summit
charting the path to **hydrogen**
& **battery electric** aviation.



To register, go to: www.hysky.org/flyinghy2026

Data Centers Big or Small?

The next wave of data centers is **small, local and powerful.**

As AI, real-time applications and grid constraints reshape the landscape, edge data centers are moving from niche to necessity.

THE OLD MODEL

Bigger data centers, far from where data is created and needed.

- ✗ Years to build
- ✗ Grid queue delays
- ✗ Community pushback
- ✗ High capital costs

THE NEW REALITY

Smaller, distributed, purpose-built data centers — at the edge.

- ✓ Months to deploy
- ✓ Uses existing power & fiber
- ✓ Less permitting, less resistance
- ✓ Built for real-time, local demand

REAL-TIME. AT THE **EDGE.**



AUTONOMOUS VEHICLES

Decisions in milliseconds.



GRID MANAGEMENT

Prevent outages, keep the lights on.



INDUSTRIAL AUTOMATION

Real-time control, higher quality.



PUBLIC SAFETY

Faster response, safer communities.



FINANCIAL INFRASTRUCTURE

Latency is money.



AI INFERENCE

Local intelligence. Real-world impact.

Edge Data Centers

- An “Edge” or micro data center is a localized computing facility physically close to users, sensor and operational environments
 - Dramatically reducing latency and improving responsiveness needed for:
 - Autonomous vehicles
 - Hospitals
 - Electric grid management
 - Industrial automation
 - Financial systems.

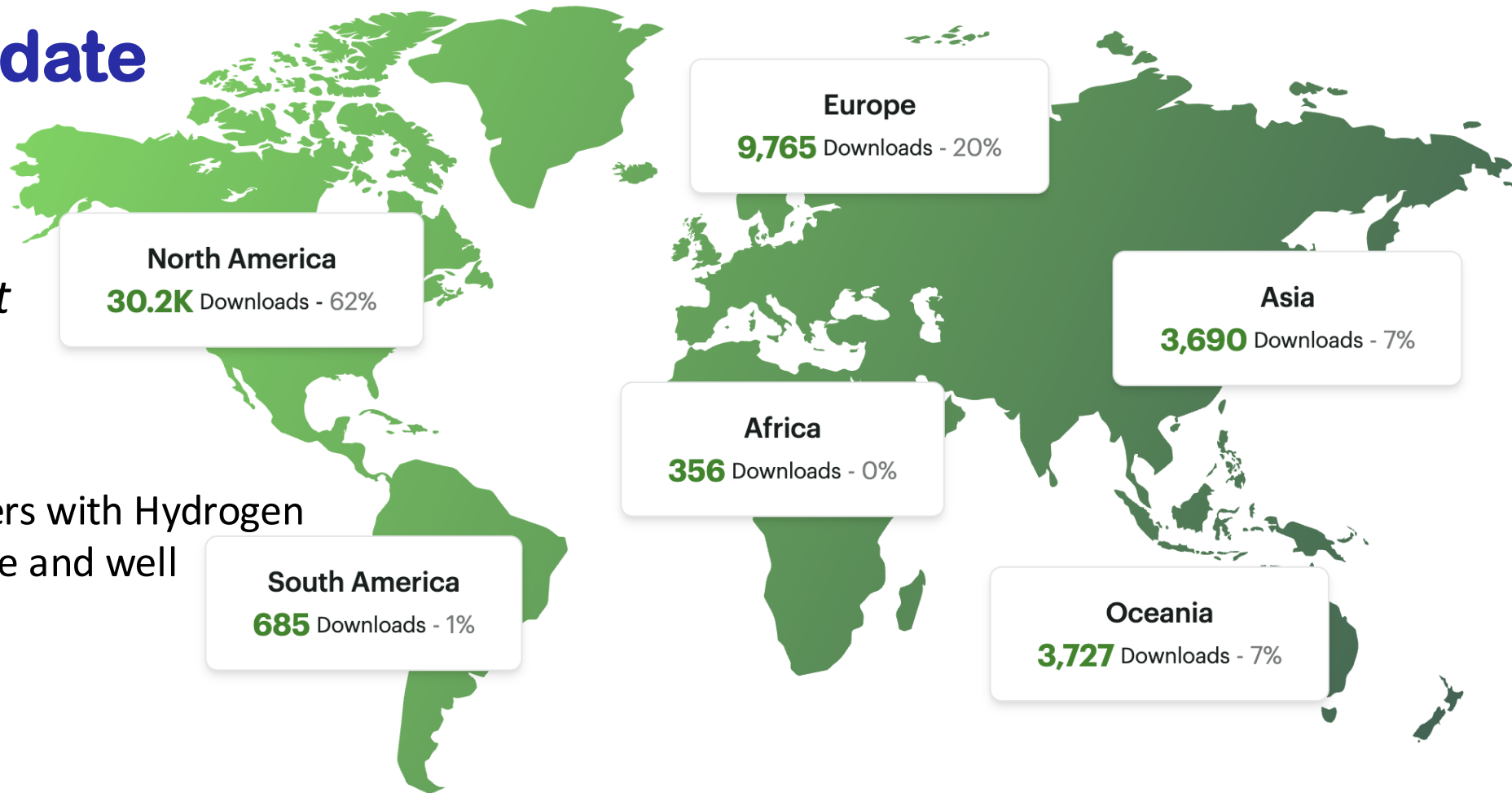
Edge Data Centers (cont)

- Why small and why now?
 - Chips have become more powerful – the AI models don't have to run in a faraway data center where land and server rack space are abundant
 - Operational reasons
 - Electric grid capacity constraints
 - 4-month construction time instead of 3 to 4 years
 - Avoids community opposition
 - By co-locating at existing telecom sites, they inherit power and fiber that's already connected to the grid
- Security
 - For critical infrastructure like utilities and healthcare
 - Strict regulations precludes sending highly sensitive, mission-critical information to central public clouds
- Deployment status
 - Live today in New York City, Philadelphia, and Washington, DC
 - Sites in 30 additional cities are under construction, with 100 projects set to be live or under construction by year-end.

Podcast Update

The *HydrogenNowCast*

- 100 episodes
48,500 downloads
- Recent episodes
 - Powering Data Centers with Hydrogen
 - The H₂ Market is alive and well
 - Hydrogen Finland



HydrogenNowCast



Podcast



Everyone – Please subscribe and give us a rating!



Consider Donating to HEFT

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Podcast