



www.colorado-hydrogen.org

Monthly Meeting
19 May 2026

Agenda

- Coming Events
 - *Hydrogen 102: How to start a Hydrogen Hub, Colorado Style!* May 21st , Pueblo
- Overview of the new *Hydrogen Energy Foundation Trust*
 - Matching Grant program
- Tech Talk
 - Gas & diesel prices – impact on hydrogen
 - Project Jupiter Data Center

Hydrogen 102 Event

NEW DAY
HYDROGEN 



Thursday, May 21st, 1:00 PM to 4:30 PM
CSU Pueblo – Technology Building Room 123
2200 Bonforte Blvd, Pueblo
Parking in lots S-1, S-2, or S-3

Register:



Buford Barr
COO New Day Hydrogen



Announcing – Hydrogen Energy Foundation Trust



- Non-profit 501(c)(3)
- Tax-deductible donations can be used to help fund projects and programs
 - Vehicles
 - Workforce development



Jim Fouch
Exec. Dir.

Challenge Grant

- Brian DeBruine will match donations to HEFT 1:1
 - Up to \$2,500 total
 - Donations are tax-deductible (pending 501(c)(3) designation)
- 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

Gas & Diesel Prices

- US gasoline and diesel prices are not expected to return to pre-Iran war levels soon
 - Elevated costs likely to persist for months or even years
 - Damage to oil infrastructure in the Middle East is expected to keep global supplies tight, with forecasts predicting oil prices to stay roughly 10% higher than pre-war levels
 - Diesel prices expected to remain elevated due to tight global supplies and low US inventories
 - Some experts warn that high prices could last for three to five years

Higher gas and diesel prices makes hydrogen more competitive

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

H₂ Price Target per kg			
Vehicle Type	Petrol. \$ per gal	EER	Target Price
Gasoline LD/MD vehicle	\$4.50	2.5	\$11.25
Diesel LD/MD vehicle	\$5.50	1.9	\$10.45
Diesel HD Local Use	\$5.50	1.5	\$8.25
Diesel HD Highway	\$5.50	1.1	\$6.05
Natural Gas	n/a	n/a	\$1.14



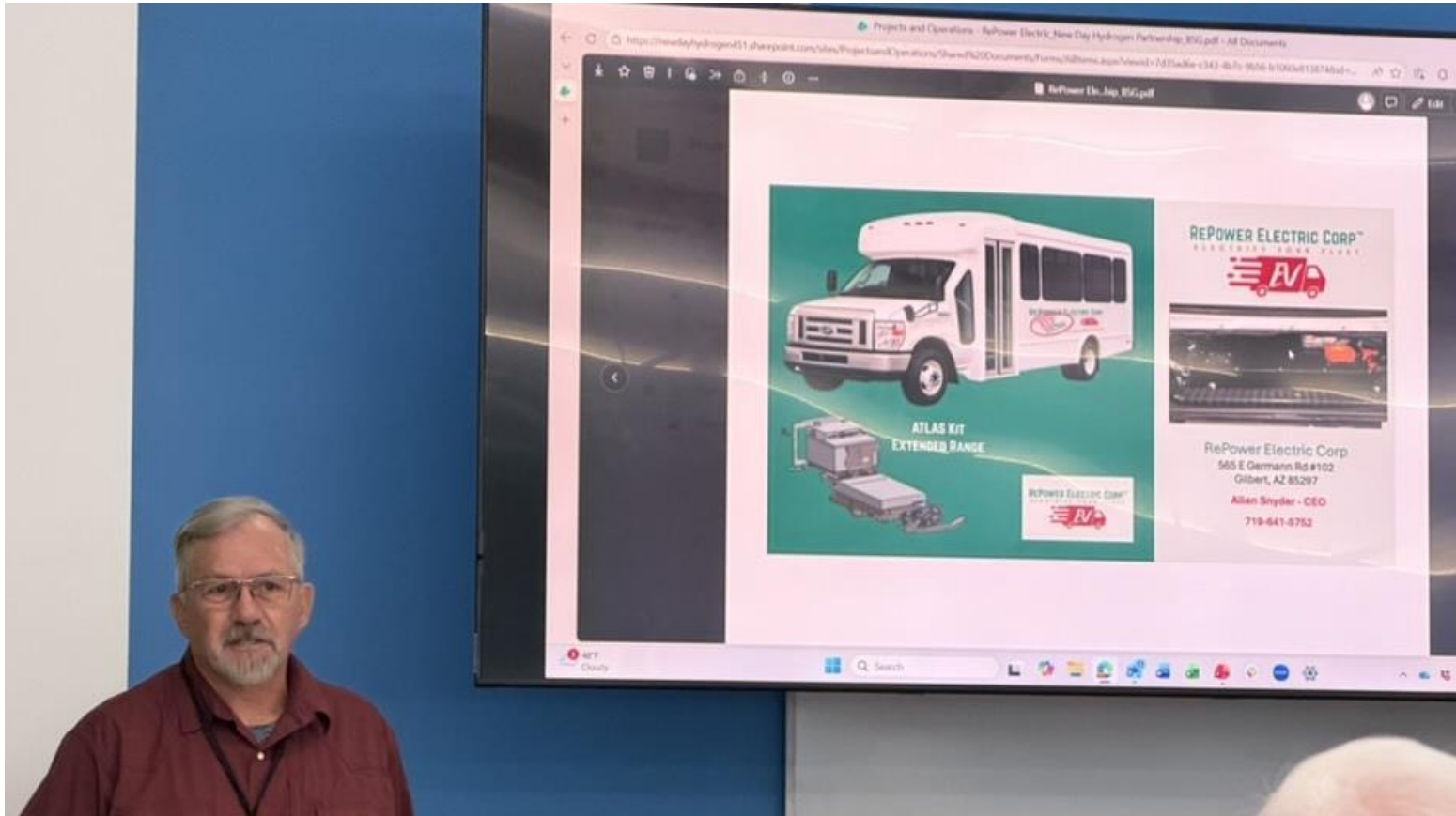
Target Price		Cost Summary			
		\$4.22	\$4.89	\$1.10	\$8.75*
	\$11.25	✓	✓	n/a	✓
	\$10.45	✓	✓	n/a	✓
	\$8.25	✓	✓	n/a	
	\$6.05	✓	✓	n/a	
	\$1.14			✓	

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

Hydrogen 102 Ft. Collins - RePower Electric Corp



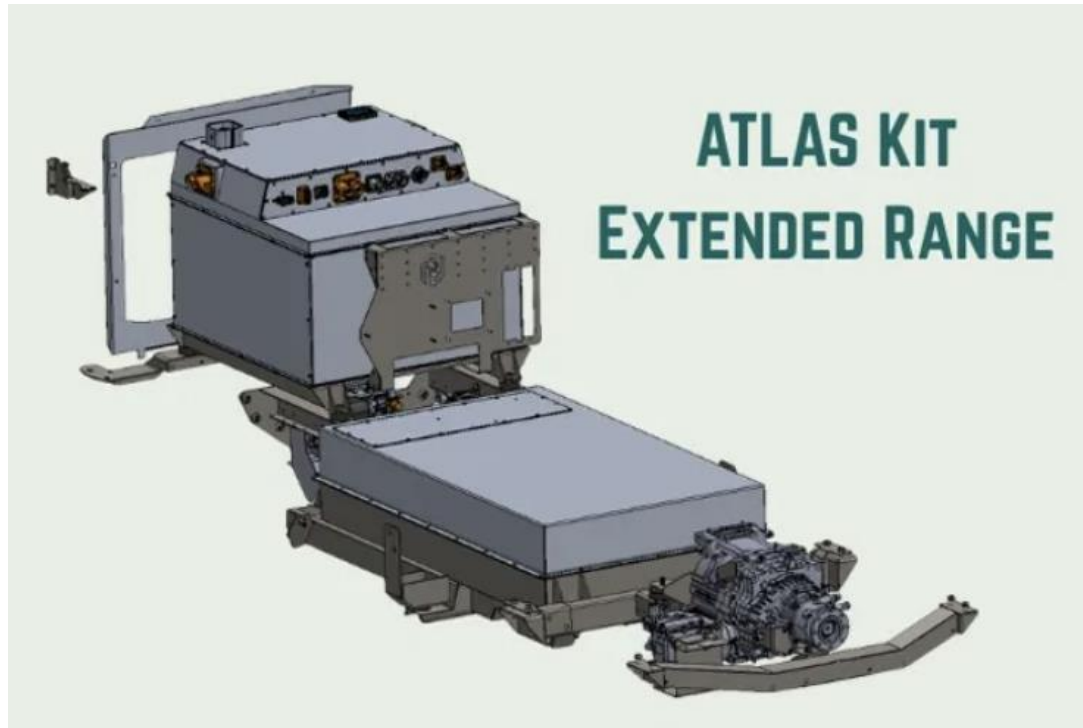
Allen Snyder, CEO

- Maker of kits to convert gas and diesel vehicles to electric (battery & hydrogen) by replacing the ICE power train
- Ford E-350, E-450, F-450 and F-550



- Conversion takes as little as 5 days
- <https://repower2electric.com>

RePower Electric Corp Conversions



- Convert existing vehicles, extend fleet life with refurbished electric vehicles, or deploy new electric builds powered by RePower technology
- This approach gives fleets a faster, more cost-effective way to transition to electric drive – without being limited to buying entirely new vehicles

Project Jupiter Data Center

- A \$165B Artificial Intelligence (AI) Data Center campus
- Located in SE New Mexico, just outside El Paso
- 2.45 to 2.8 gigawatts (GW)
- Developed by STACK Infrastructure, BorderPlex Digital Assets, and Oracle



Project Jupiter

- Power to come from natural gas-powered solid oxide fuel cells from Bloom Energy
 - The fuel cells would emit about 10.1 million tons CO₂ equivalent compared to about 14 million tons from the gas turbines
 - Fuel cells would reduce NOx by about 92% over gas turbines
 - Overall efficiency up to 89%
 - Solid oxide fuel cells (SOFC's) that consume natural gas **can easily run on pure hydrogen** or blends of the two

Natural gas could be used initially with conversion to Geologic Hydrogen later

Reminder about NREL E-mail Addresses

- 12/1/25 NREL became NLR (National Lab of the Rockies) aka “N-Rock”
- E-mail addresses have changed
john.doe@nrel.gov becomes
john.doe@nlr.gov
- **Starting May 29 – Old NREL e-mail addresses will be no longer be redirected to nlr.gov**



**National
Laboratory
of the Rockies**

“N-Rock”





HydrogenNowCast



Podcast