

HOUSTON-GALVESTON
CLEAN CITIES COALITION
STAKEHOLDERS MEETING

28 January, 2026



Housekeeping

1. We will record this meeting. The recording will be published on our website: Houston-Cleancities.org
2. Please sign in. There is a sign-in sheet available in the room. If you are joining us online, please type your name in the Teams Chat.

Thank You!

Meeting Agenda

3

Agenda

1. Introductions – Vincent Sanders, METRO / HGCCC Chair
2. Clean Cities Funding/Contract Update – Andrew DeCandis, Co-Director - HGCCC
3. Presentations
 - a) EV/Hydrogen/RD99 Fleet Considerations – Ahmed Farghaly, Technical Fleet Manager – TALKE USA Inc.
 - b) Texas Hydrogen Alliance 2026 Plans and Priorities - Susan Shifflett, Executive Director – Texas Hydrogen Alliance
4. Advisory Board and Subcommittees Updates – J. Ben Finley, Co-Director - HGCCC
 - a) Annual Report Subcommittee
 - b) Events Subcommittee
 - c) Grants Subcommittee
 - Colin Lay, National Grants & Incentives Manager – Harbinger Motors
5. Current Grant Funding Announcements and Updates – J. Ben Finley
6. Announcements
7. Meeting Adjournment

CLEAN CITIES AND COMMUNITIES CONTRACT AND FUNDING UPDATE

Andrew DeCandis, Co-Director - HGCCC

TALKE FLEET CONSIDERATIONS

Ahmed Farghaly, Technical Fleet Manager – TALKE USA Inc



HOUSTON-GALVESTON AREA COUNCIL

HOUSTON-GALVESTON CLEAN CITIES

- TALKE USA is working thoroughly to explore options can help reduce the emission.
- HFCEV Trucks
- RD99 Deisel

- Challenges:
 - Fuel availability
 - Truck weight

THANK YOU

TEXAS HYDROGEN ALLIANCE 2026 PLANS AND PRIORITIES

Susan Shifflett, Executive Director – Texas Hydrogen Alliance



Texas Hydrogen Alliance

Houston Galveston Clean Cities
January 28, 2026

OUR HISTORY:

- In 2021, in recognition of the significant economic and environmental opportunities for hydrogen in Texas, a set of key industry stakeholders formed an industry Alliance to educate and advocate for effective policies, legislation, and rulemaking that will enable and incentivize the effective pursuit of these opportunities.
- The Alliance will also be an entity with industry and technical expertise that can facilitate dialog and convene key stakeholders to enable the growth of a hydrogen economy and markets.
- The Texas Hydrogen Alliance is an IRS-recognized 501(c)(6) industry-based non-profit trade alliance.



OUR BOARD OF DIRECTORS:

- Air Liquide
- Electric Hydrogen
- Apex Clean Energy
- CenterPoint Energy
- Copenhagen Infrastructure Partners
- Exxon Mobil
- Hyundai
- Pilot
- Port Houston
- Port of Corpus Christi



OUR ADVISORY BOARD:

- Center for Houston's Future
- Capitol Partners Consulting
- Hydrogen Fuel Cell Partnership
- GTI Energy
- HARC
- Hy-Sky
- Dr. Alan Lloyd
- Lone Star Clean Fuels Alliance
- Mike Martinez
- North Central Texas Council of Governments
- Port Houston
- Rice University
- Southern Methodist University
- Southwest Research Institute
- Texas Christian University
- Texas 2036
- Texas Tech University
- University of Houston
- University of Texas: Austin
- University of Texas: Arlington



OUR STRATEGIC PLAN HIGHLIGHTS FOR 2026:

Government Affairs & Policy

- Develop a comprehensive approach for the 2027 legislative session.
- Support the Railroad Commission of Texas's Hydrogen Production Policy Committee
- Host small roundtable lunches with key Texas Legislative Leaders
- Coordinate policy initiatives with other Hydrogen centric organizations.

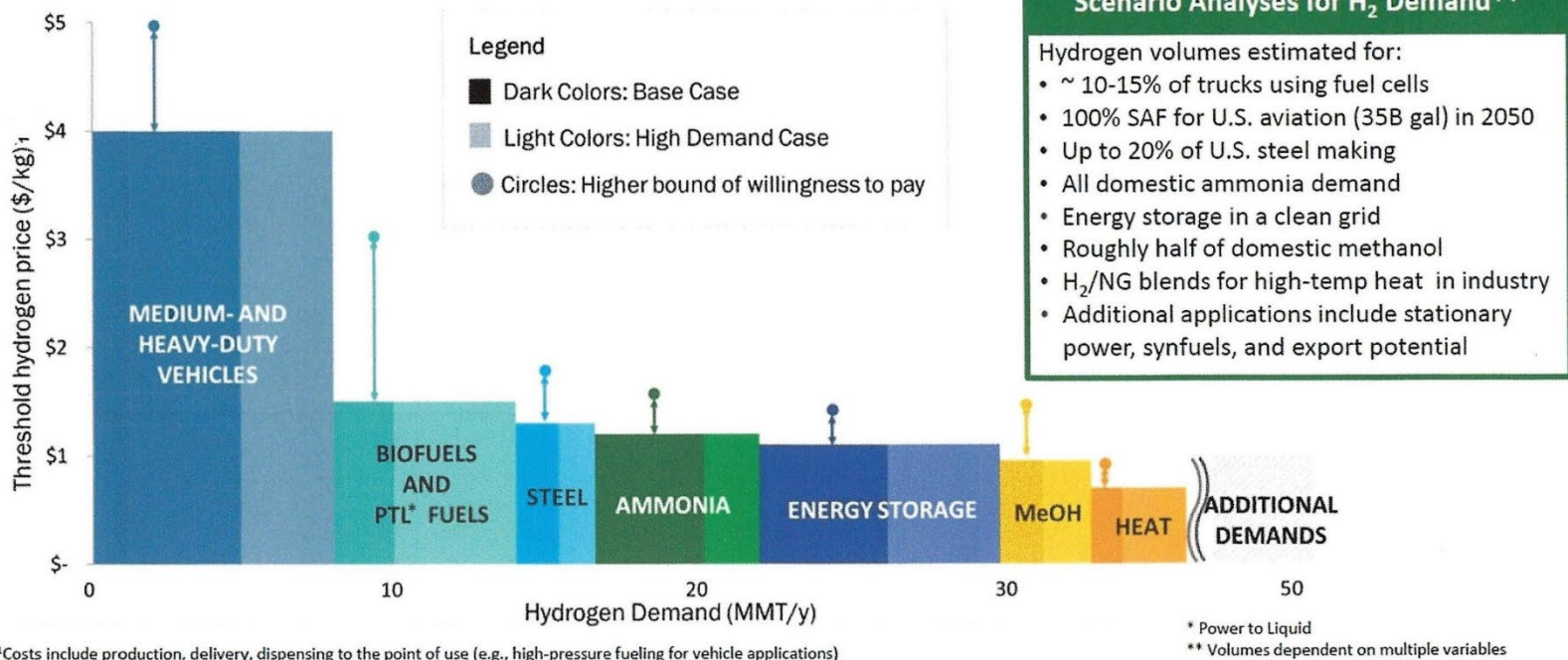
Education & Outreach

- Host Hydrogen-focused Monthly Meetings virtually.
- Release targeted media articles to various press mediums.
- Collaborate with trade, technical and community colleges to develop and train students on hydrogen.
- Support GTI Energy in its response to DOE grant to study hydrogen infrastructure on I-10 corridor between Port of Los Angeles and Texas.
- Support NCTCOG in its effort to construct hydrogen refueling infrastructure under DOT/FWHA grant.
- Continue to support the H2@Scale project at UT-Austin
- Develop and maintain THA website, social media and other marketing avenues.



High Impact Uses For Hydrogen

Clean Hydrogen Demand and Costs for Market Penetration



THE TEXAS HYDROGEN ALLIANCE WILL FOCUS ON
THREE **HIGH IMPACT** END USE APPLICATIONS IN 2026-27.

- Ammonia and Derivatives for Export
- Transportation
- Energy Storage

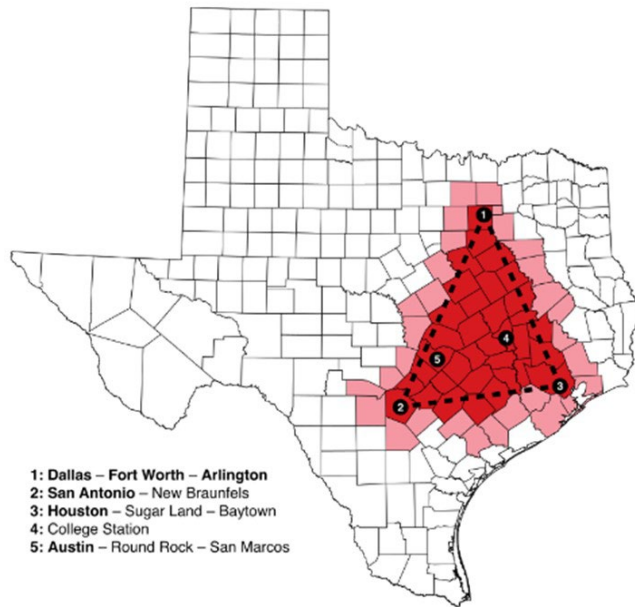




HYDROGEN HAS MANY USES, BUT THE VAST MAJORITY IS USED FOR AMMONIA, REFINING, METHANOL, AND CHEMICALS

USE	Growth Rate to 2025	Current Use MM Metric tons/yr.	% of Total Demand	Outlook
Ammonia	3.1%	2.7	24%	Cheap natural gas supply in U.S. drives new ammonia capacity additions
Refining	1.5%	6.5	57%	Driven by continued global regulations toward low-sulfur fuels
Methanol	4.0%	1.6	14%	Methanol demand growing rapidly in China where it is used for fuel and for olefins Cheap natural gas in U.S. is driver for new methanol production
Metal processing	2.0%	0.2	2%	Welding, heat treatment of steel, glass production, Forming and blanketing of gas
Other (chemicals, glass, rocket fuel, electronics, etc.)	2.6%	0.4	3%	Cheap U.S. NGL's is driving new ethylene plants... leading to investments in derivative capacity such as resins and polymers that use hydrogen

TEXAS TRIANGLE MEGAREGION



Texas Triangle Megaregion encompasses:

- 4 of the largest 20 U.S. cities and is home to more than 70% of Texans, nearly 21 million people
- 5.3% of the total U.S. truck freight through an average of 35.7k miles of daily commercial VMT (Vehicle Miles Traveled)
- I-10 freight corridor from San Antonio to Los Angeles, adds 2.1%

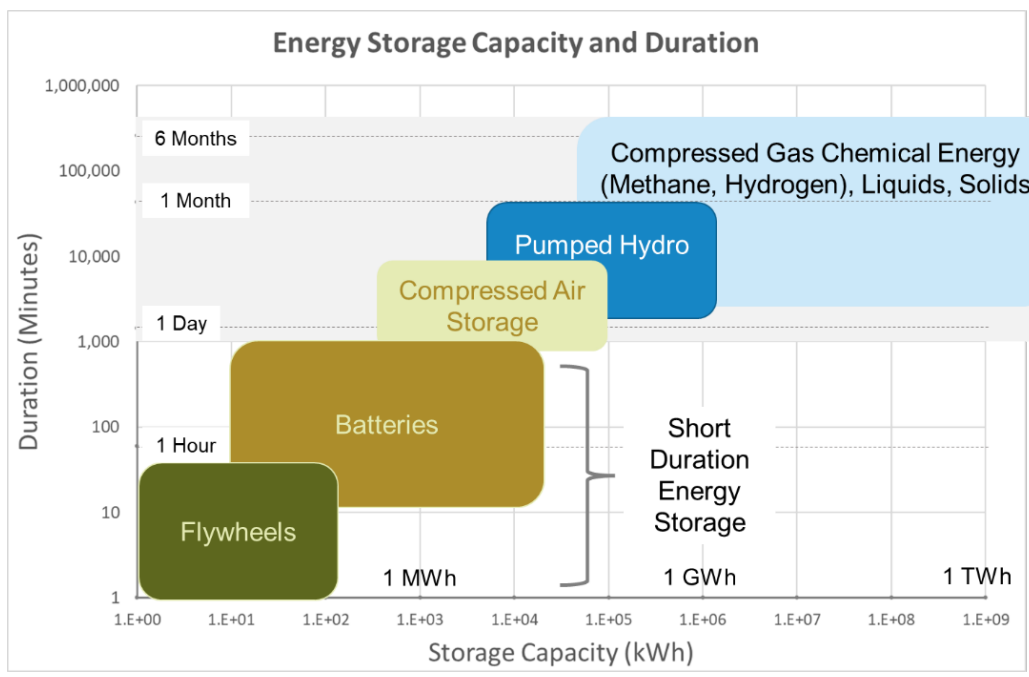
HOUSTON TO LOS ANGELES (H2LA) I-10 H2 CORRIDOR

- DOE-funded corridor planning
- Corridor connecting two major ports and “Texas Triangle”
- Started: Q4 2023
- Goal: investment-ready H2 corridor plan
- Leverage inputs from industry
- Create a repeatable blueprint for other regions

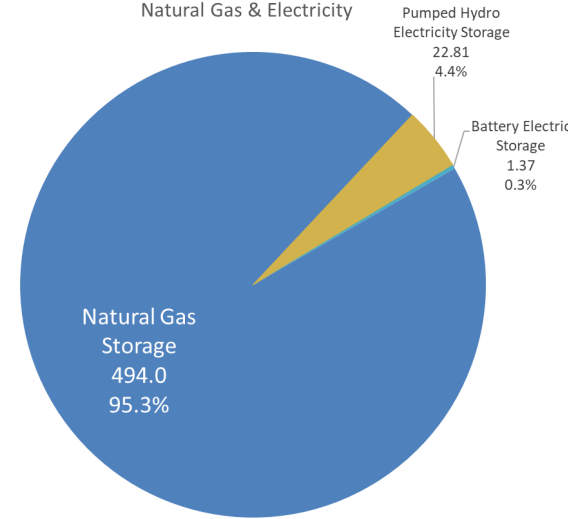




INCREASED RENEWABLES NEED RELIABLE ENERGY STORAGE GASES ARE EXCELLENT ENERGY STORAGE SOLUTIONS AT LARGE SCALE



U.S. Utility Energy Storage Comparison (GW)



Natural gas underground storage comprises >95% of U.S. utility energy storage capacity.

Source: DOE-EIA

OUR FUTURE TOGETHER:

Susan M. Shifflett

Texas Hydrogen Alliance

Executive Director

979/270-2045

susan@s3-services.com

www.texashydrogenalliance.org

@TexasHydrogenAlliance (LinkedIn)



UPDATES ON SUBCOMMITTEES

J. Ben Finley, HGCCC

GRANT OPPORTUNITIES PRESENTATION

J. Ben Finley, HGCCC



Vehicle Purchase, Lease, Replace, and Repower

Agency	Name	Might Be Good For	Close Date	Link
Texas Commission on Environmental Quality	Light-Duty Motor Vehicle Purchase or Lease Incentive Program	Public, Private, Nonprofits	?	LDPLIP
	Texas Clean School Bus Program	Public and Charter Schools	5/22/26	TCSBP
Opening Soon				
	Rebate Grants Program (April 2026)	Replace diesel heavy-duty vehicles and non-road equipment.		Rebate Grants
	Emissions Reduction Incentive Grants Program (April 2026)	Heavy-duty on-road and non-road; locomotives, marine vessels, stationary equipment.		ERIG
	New Technology Implementation Grant Program (May 2026)	Facility equipment and other stationary equipment		NTIG



Infrastructure

25

Agency	Name	Might Be Good For	Close Date	Link
Department of Transportation	FY24-25 Federal-State Partnership for Intercity Passenger Rail Grant Program - National	Local Governments and Public Agencies	2/6/2026	FR-FSP-25-006
Department of Agriculture	Renewable Energy Systems and Energy Efficiency Improvements Program	Small Agricultural Businesses	Tbd	RDBCP-REAP-RES-EE1-2016
Waste Management	Waste Management RNG Program	All	Tbd	Andrew Garcia (575) 404-5180



Research

Agency	Name	Might Be Good For	Close Date	Link
Department of Energy	Spurring Projects to Advance Energy Research and Knowledge Swiftly	Research Labs, Universities	12/30/2029	SPARKS
US National Science Foundation	Electrochemical Systems	Engineering sustainable electricity and other fuels, chemicals, and commodity products		Electrochemical Systems
	Environmental Sustainability	Promoting sustainable engineered systems that are compatible with sustaining natural (environmental) systems.		Environmental Sustainability
Department of Transportation	Center of Excellence for Alternative Jet Fuels and Environment	Research Universities looking to join a coalition		ASCENT



Texas Volkswagen Environmental Mitigation Program

27

The [All-Electric Program](#) funded by the Volkswagen Settlement is open. Eligible projects include replacements of:

- Class 8 freight or port drayage trucks
 - Class 4-8 school bus, shuttles, and transit buses
 - Class 4-7 freight trucks
 - Airport Ground Support Equipment
 - Forklifts and Port Cargo Handling Equipment
 - Refueling Infrastructure
-
- Closing August 31, 202**6**



Tax Credits

28

- Tax Credits
 - ▣ Alternative Fuel Vehicle Refueling Property Tax
 - ▣ Electric Vehicle and Fuel Cell Electric Vehicle
 - Previously owned Clean Vehicle Credit

WHAT DID I MISS?

ANNOUNCEMENTS OF CURRENT & UPCOMING ACTIVITIES

Open Forum

Upcoming Events

30

- The Energy Independence Summit, Washington, DC (10-11 February)
- EV Charging Summit & Expo, Las Vegas, NV (17-19 March)
- Future of RNG North America 2026, Houston, TX (8-9 April)
- ACT Expo, Las Vegas, NV (4-7 May)
 - 26AE-HGAC \$100 discount code
- Next Stakeholder Meeting (tent. Mid-April)

Thanks for joining us. Find meeting materials and other resources on our website:
Houston-Cleancities.org

Thank You!