

TEXAS HYDROGEN ALLIANCE 2026 PLANS AND PRIORITIES

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Texas Hydrogen Alliance

Houston Galveston Clean Cities
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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

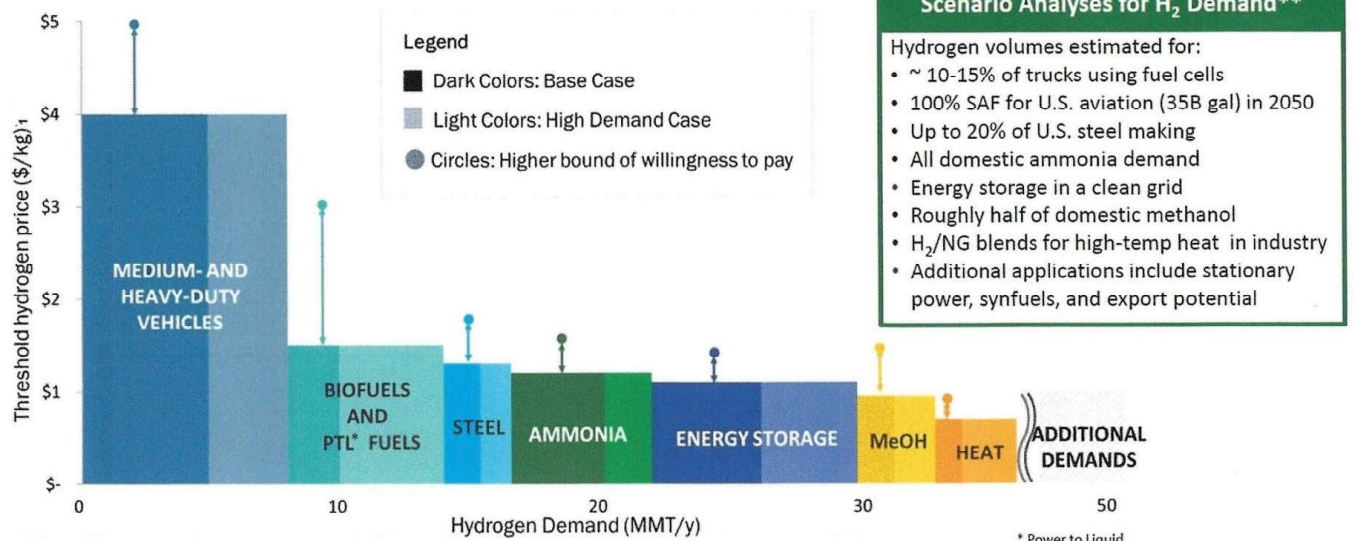
- Host Hydrogen-focused Monthly Meetings virtually.
- Release targeted media articles to various press mediums.
- Collaborate with trade, technical and community colleges to develop and train students on hydrogen.
- Support GTI Energy in its response to DOE grant to study hydrogen infrastructure on I-10 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.



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High Impact Uses For Hydrogen

Clean Hydrogen Demand and Costs for Market Penetration



¹Costs include production, delivery, dispensing to the point of use (e.g., high-pressure fueling for vehicle applications)

* Power to Liquid
** Volumes dependent on multiple variables

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

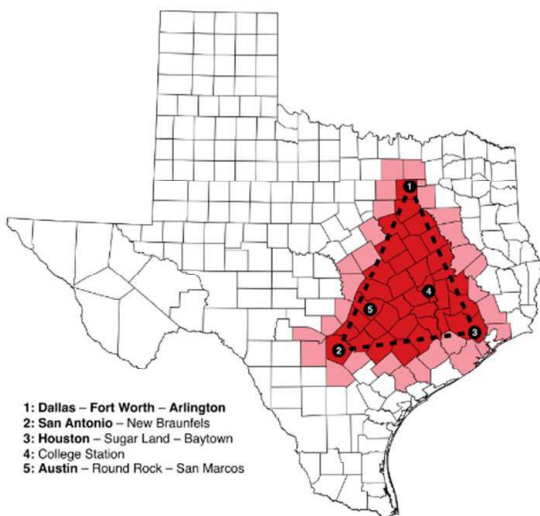
- Ammonia and Derivatives for Export
- Transportation
- Energy Storage



**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:

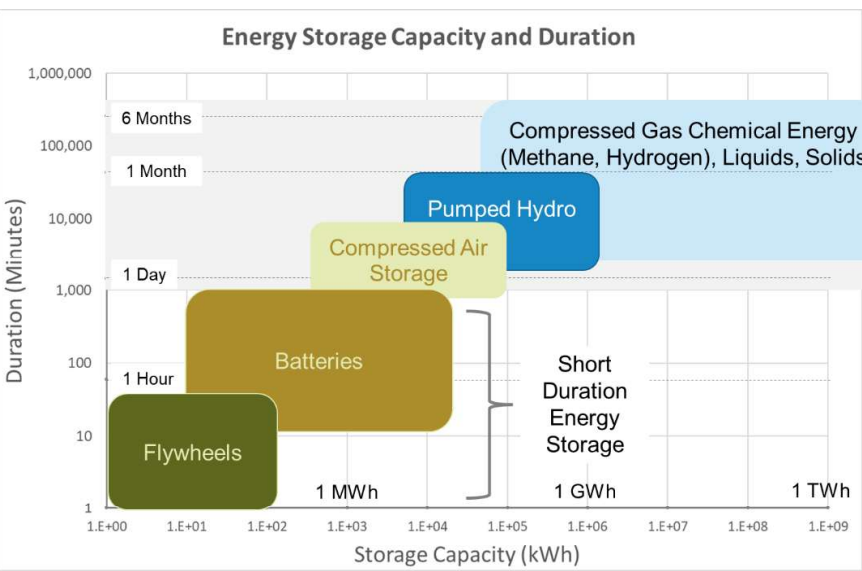
- 4 of the largest 20 U.S. cities and is home to more than 70% of Texans, nearly 21 million people
- 5.3% of the total U.S. truck freight through an average of 35.7k miles of daily commercial VMT (Vehicle Miles Traveled)
- I-10 freight corridor from San Antonio to Los Angeles, adds 2.1%

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

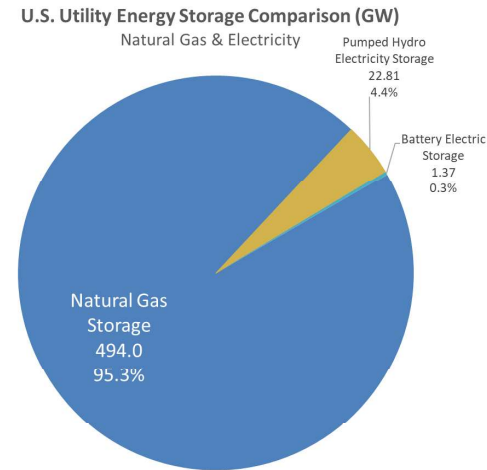
- DOE-funded corridor planning
- Corridor connecting two major ports and “Texas Triangle”
- Started: Q4 2023
- Goal: investment-ready H2 corridor plan
- Leverage inputs from industry
- Create a repeatable blueprint for other regions



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



Long Duration Energy Storage



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

Source: DOE-EIA

OUR FUTURE TOGETHER:

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