

NORTH AMERICAN H2 NEWS BRIEF

北米水素業界ニュース概要



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JULY 4 - JULY 31, 2025

SEP's Curated H2 News, Insights, and Policy Updates for JETRO & JH2F Members

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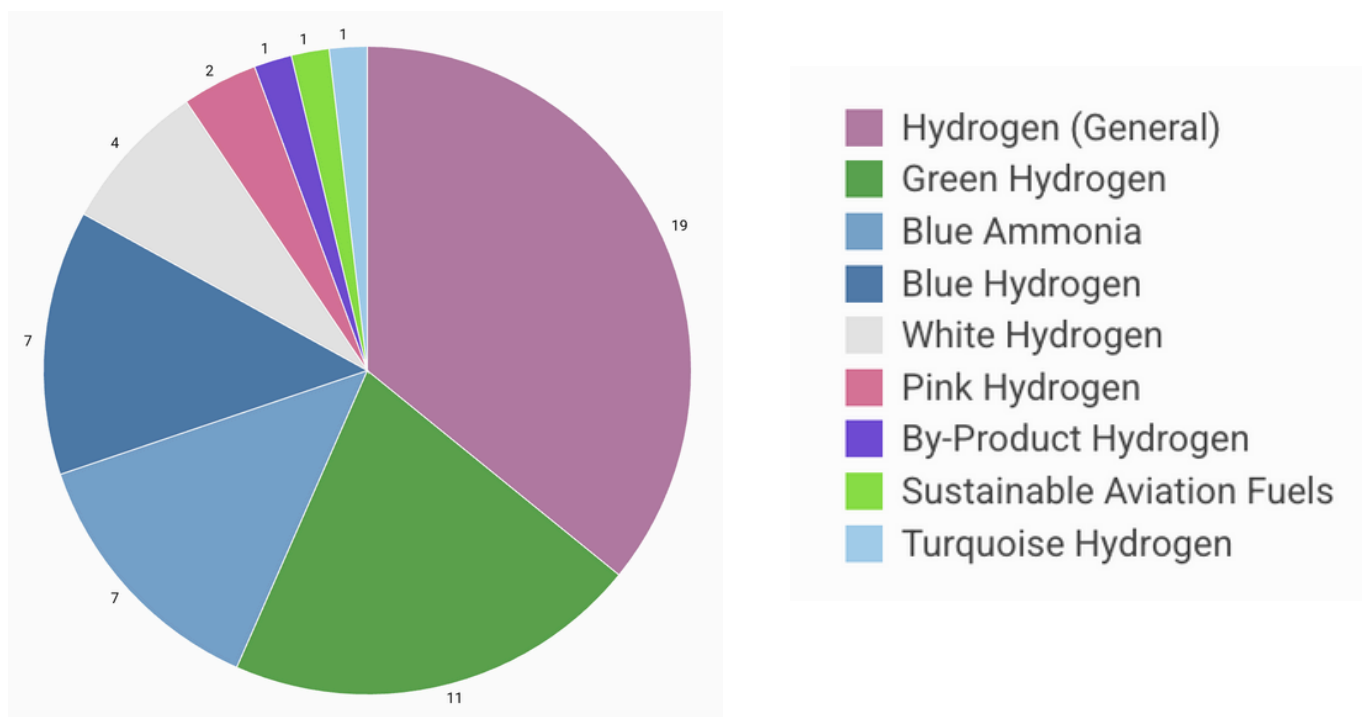
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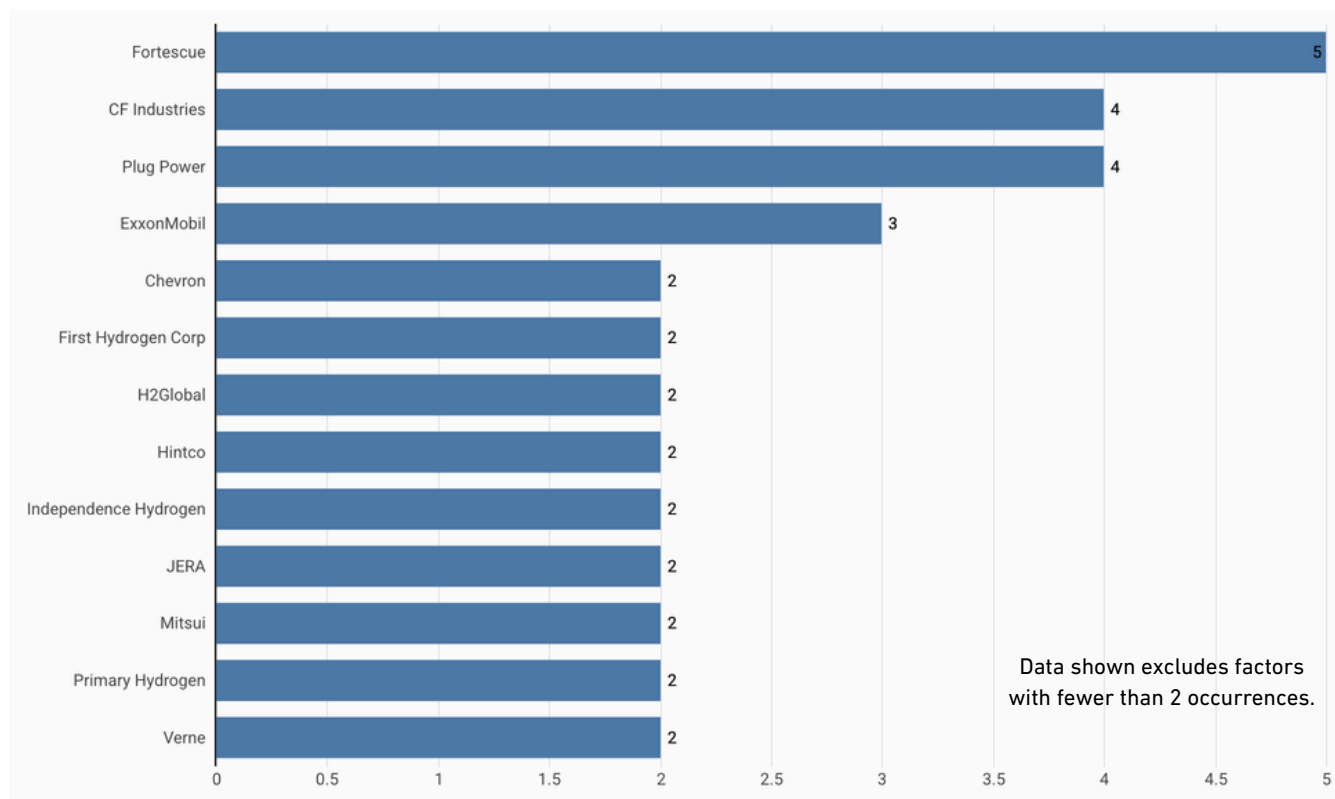


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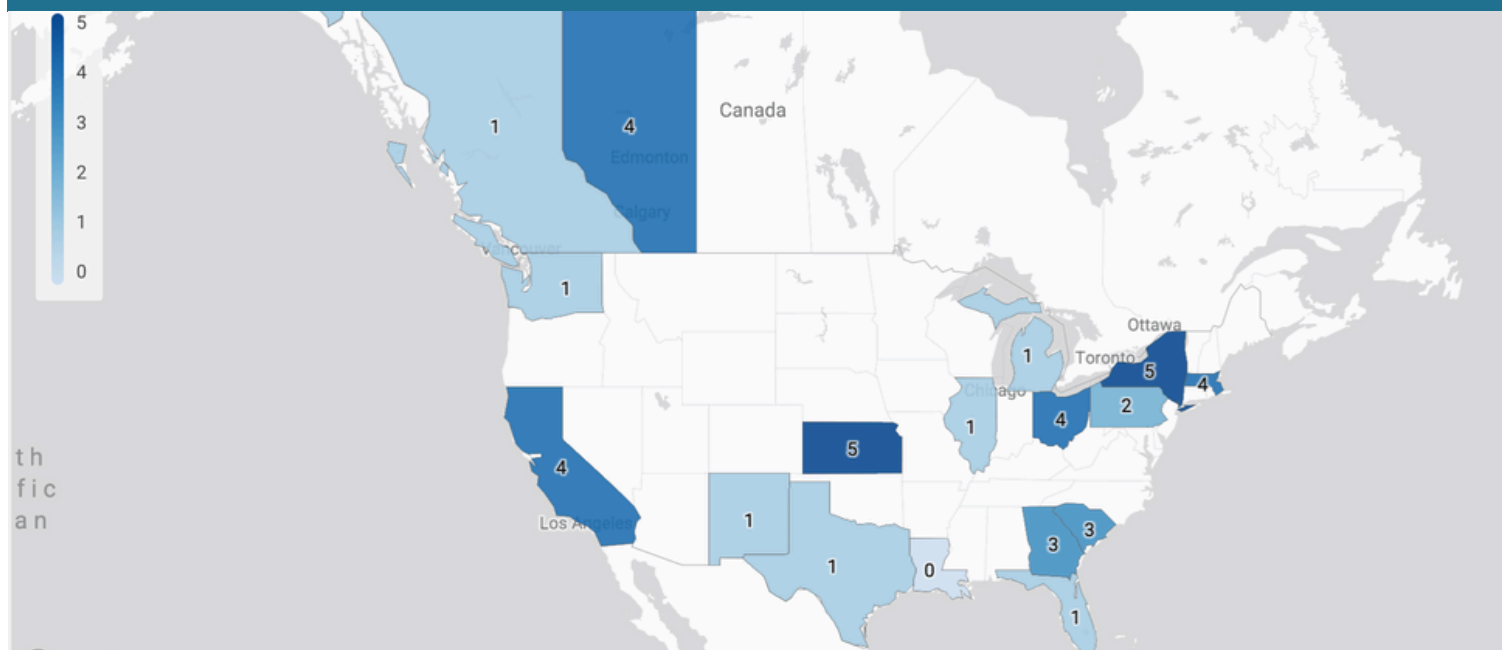


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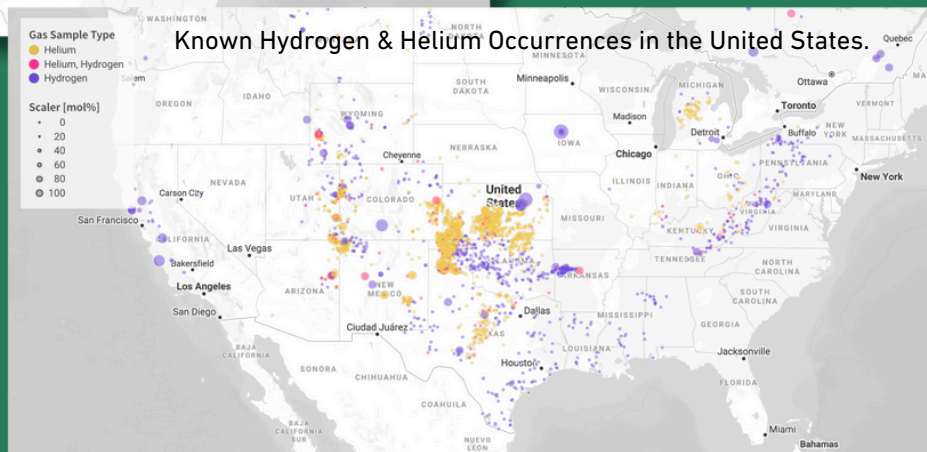
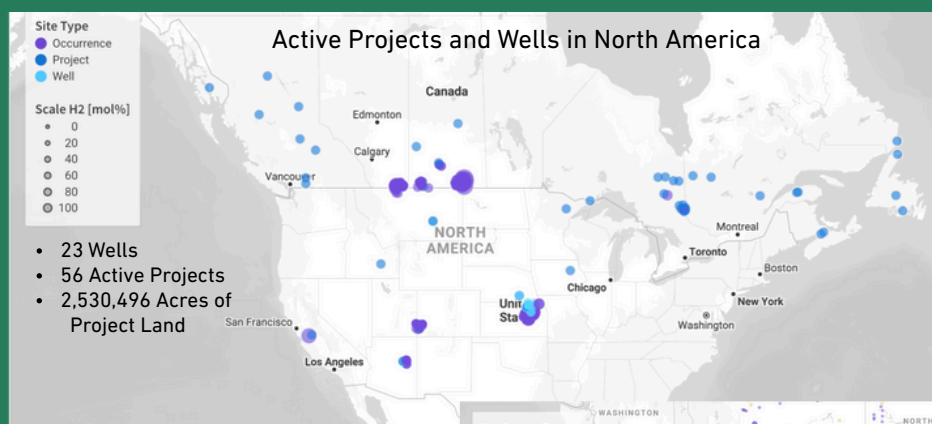


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North American Geologic Hydrogen Tracker



Analyst Note (July 4 - July 31, 2025)

As a result of President Donald Trump signing the “One Big Beautiful Bill” into law on July 4, 2025, the U.S. and global hydrogen industries collectively breathed a sigh of relief. Beyond the long-awaited policy certainty, a key win came in the form of the finalized 45V tax credit commence-construction deadline, now set for January 1, 2028—an extension from previous drafts of the bill that proposed sunseting the tax credit as early as the end of 2025. Further, this bill expanded features of 45Q for carbon capture (including for blue hydrogen production), 45Z (for clean transportation fuels such as SAF), and 48E (including underground hydrogen storage and fuel cell equipment capex). The combination of this statutory clarity and a more achievable timeline has greenlit numerous projects and investments in the weeks since the bill’s passage. Notable announcements include:

- **Chevron** unveiled Project Labrador, a \$5 billion blue hydrogen and ammonia facility in Port Arthur, Texas. With tax abatement filings already submitted and the extended 45V deadline in place, Chevron aims to begin construction in 2027, access grant funding from the HyVelocity hydrogen hub, and commence operations by 2032.
- **Sumitomo Corporation of Americas** announced a strategic investment in Independence Hydrogen, a U.S.-based startup focused on converting by-product hydrogen at chlor-alkali and other chemical plants, typically part of a waste stream, into fuel cell-grade hydrogen for industrial and mobility markets.
- **Modern Hydrogen**, a methane pyrolysis startup backed by Bill Gates’ Breakthrough Energy, partnered with CPS Energy on a pilot project to convert natural gas into clean hydrogen for power applications in San Antonio, Texas.
- **CF Industries** began operations at its new CO₂ dehydration and compression facility at its Donaldsonville fertilizer complex in Louisiana. This will enable the production of 1.9 million mt/year of blue ammonia.
- **Mitsui & Co.** secured a \$1 billion loan from the Japan Bank for International Cooperation and Sumitomo Mitsui Banking Corporation to fully finance its stake in the Blue Point project, a 1.4 million mt/year blue ammonia facility co-developed with CF Industries and JERA, which reached FID in April 2025.

Despite these major wins and the long-awaited policy certainty, headwinds persist for large-scale hydrogen production projects and M&A activity.

- Oil and gas major **Woodside Energy** officially canceled its H2OK electrolysis project in Oklahoma, which was set to produce 60 mt/day of liquid hydrogen for heavy-duty transport. Despite completing FEED and awarding key contracts to NEL and Air Liquide, Woodside cited demand uncertainty and cost concerns as the primary reasons for cancellation.
- The previously announced \$19 billion all-stock merger between **Chart Industries** and Flowserve was terminated in favor of a new deal. Under revised terms, Baker Hughes will acquire Chart Industries in an all-cash transaction deemed a “superior offer” by Chart’s senior management.
- **Fortescue** scrapped its 80 MW electrolysis project in Arizona, despite having already purchased the land and approved a final investment decision (FID) back in November 2023.

To better understand market sentiment in the wake of the bill's passage, consider the remarks of **Plug Power** CEO Andy Marsh during an analyst call earlier in July. Marsh described the "One Big Beautiful Bill" as "one of the most meaningful policy wins for Plug and the entire hydrogen fuel cell sector in the last several years." He added:

"The bill [which is now an Act] gives Plug the certainty and policy foundation we've been advocating for. We're better off than we were a year ago, much better. We now have real tools in place to drive deployment across fuel cells, hydrogen production, and electrolyzers. And we've got a multi-year window to do it right. This is exactly the kind of momentum we needed, and we plan to take full advantage of it."

While federal policy continues to dominate headlines, key developments at the state level are also shaping the market. In mid-July, **New York state** announced a \$3.9 million funding opportunity aimed at advancing maritime hydrogen transport technologies. Through this initiative, the New York State Energy Research and Development Authority (NYSERDA) is seeking proposals to develop vessels that are "efficient, economically viable, and scalable," with the capability to transport up to 20,000 kilograms of hydrogen per day across several hundred nautical miles.

Meanwhile, in **Pennsylvania**, Governor Josh Shapiro joined representatives from hydrogen storage startup Verne to announce the development of a new manufacturing facility in Lycoming County dedicated to producing hydrogen storage vessels. The project is expected to create 61 new jobs, with the Commonwealth of Pennsylvania contributing \$1.27 million in support.

Lastly, positive momentum continues in the realm of emerging hydrogen technologies across the U.S. and Canada:

- **Geologic Hydrogen:** Hyterra is advancing its drilling campaign at the Nemaha project in Kansas. The company confirmed the addition of a third well and the spudding of McCoy 1, which was expected to begin drilling in mid-July. In British Columbia, Primary Hydrogen launched Phase 2 of its gas sampling program at its Crooked Amphibolite, Coquihalla, and Cogburn sites.
- **Pink Hydrogen:** First Hydrogen Corp. and the University of Alberta deepened their research collaboration to explore the use of molten salt small modular reactors (SMRs) for low-carbon hydrogen production.
- **Combined Heat and Power (CHP) Testing:** Caterpillar, in partnership with District Energy St. Paul, successfully tested a 2 MW hydrogen-powered CHP system under real-world conditions in Minnesota. The system ran for up to 200 hours on both 100% hydrogen and 100% natural gas, delivering energy directly to the distribution network. It achieved efficiency levels comparable to high-performance natural gas systems. The project received partial funding from the U.S. Department of Energy (DOE) through its EERE and IEDO offices, with support from the National Renewable Energy Laboratory (NREL).

The passage of the One Big Beautiful Bill has already begun to reshape the hydrogen landscape in North America, providing long-awaited policy clarity and unlocking a wave of new project announcements, investments, and strategic shifts. While challenges remain, particularly around large-scale project economics and market demand, the momentum at both federal and state levels signals a renewed commitment to scaling the clean hydrogen supply chain. With a more stable policy foundation now in place, the hydrogen industry appears well-positioned to re-accelerate deployment, attract capital, and advance its role as a key decarbonization tool for heavy industry around the world.

アナリストノート(2025年7月4日～7月31日)

2025年7月4日、ドナルド・トランプ大統領が「大きく美しい1つの法案(One Big Beautiful Bill)」に署名した結果、米国と世界の水素業界は一樣に安堵のため息をつきました。長らく待たれていた政策の明確化に加え、最大の成果は、45V税額控除を受けるための着工期限が2028年1月1日に最終決定されたことです。これは、2025年末という早い段階での廃止を提案していた以前の法案草案からの延長となります。さらに、本法案は、炭素回収(ブルー水素製造を含む)に対する45Q、(SAFなどの)クリーン輸送燃料に対する45Z、および地下水素貯蔵や燃料電池設備の設備投資に対する48Eと適用を拡充しました。

こうした法的な明確化とより達成可能なタイムラインの組み合わせにより、法案可決後の数週間で数多くのプロジェクトや投資が活発化しました。注目すべき発表は以下の通りです。

- シェブロンは、テキサス州ポートアーサーに50億ドルのブルー水素・アンモニア施設を建設するプロジェクト・ラブラドルを発表しました。すでに減税措置の申請を提出し、45Vの期限延長も確定したことで、シェブロンは2027年の建設開始、ハイヴェロシティ水素ハブからの助成金利用、そして2032年までの操業開始を目指しています。
- 米州住友商事は、米国のスタートアップ企業、インデペンデンス・ハイドロジェンへの戦略的投資を発表しました。同社は、通常は廃棄物として処理されるクロルアルカリなどの化学工場の副生水素を、産業・モビリティ市場向けの燃料電池用水素に変換することに注力しています。
- ビル・ゲイツ氏のブレークスルー・エナジーが支援するメタン熱分解のスタートアップ企業、モダン・ハイドロジェンは、CPS エナジーと提携し、天然ガスをクリーン水素に変換してテキサス州サンアントニオの電力用途に利用するパイロットプロジェクトを開始しました。
- CFインダストリーズは、ルイジアナ州のドナルドソンビル肥料複合施設において新たなCO₂脱水・圧縮施設を稼働させました。これにより、年間190万トンのブルーアンモニア生産が可能になります。
- 三井物産は、2025年4月に最終投資決定(FID)に達した年間140万トンのブルーアンモニア施設「ブルー・ポイントプロジェクト」における出資分全額を賄うため、国際協力銀行(JBIC)および三井住友銀行から10億ドルの融資を確保しました。このプロジェクトは、CF インダストリーズ、JERAと共同で開発されています。

こうした大きな成果や待望の政策の明確化があったにもかかわらず、大規模な水素製造プロジェクトやM&A活動には依然として逆風が吹いています。

- 石油・ガス大手のウッドサイド・エナジーは、大型輸送部門向けに1日あたり60トンの液体水素を製造する予定だったオクラホマ州のH2OK電解プロジェクトを正式に中止しました。基本設計(FEED)を完了し、NELおよびエアー・リキッド社と主要な契約を結んでいたにもかかわらず、同社は需要の不確実性とコストの懸念を中止の主な理由として挙げました。
- 以前発表されていたチャート・インダストリーズとフローサーブの190億ドル規模の全株式交換による合併は中止され、新たな取引が選択されました。改訂された条件では、ベーカー・ヒューズがチャート・インダストリーズを全額現金で買収することになり、この取引はチャート社の経営陣によって「より優れたオファー」と見なされました。
- フォーテスキュー社は、アリゾナ州の80MW電解プロジェクトをすでに土地を購入し、2023年11月に最終投資決定(FID)を承認していたにもかかわらず中止しました。

法案可決後の市場心理をより深く理解するには、7月上旬に行われたアナリスト向け電話会議でのプラグ・パワー社 CEOのアンディ・マーシュ氏の発言を考えてみましょう。マーシュ氏は「One Big Beautiful Bill」を「プラグ社と水素燃料電池セクター全体にとって、ここ数年で最も意味のある政策的勝利の一つ」と評し、次のように付け加えました。

「この法案(現在は法律)は、プラグ社が長年求めてきた確実性と政策基盤を与えてくれます。我々の状況は1年前よりもはるかに良い状況にあります。燃料電池、水素生産、電解装置全体にわたる導入を推進するための本物のツールが手に入りました。そして、これを適切に実行するための複数年にわたる猶予も得られました。これこそまさに我々が必要としていた動きであり、これを最大限に活用するつもりです。」

連邦政府の政策が引き続き注目を集める一方で、州レベルでの重要な動きも市場に影響を与えています。7月中旬には、ニューヨーク州が海上水素輸送技術の発展を目的とした390万ドルの資金提供を発表しました。この取り組みを通じて、ニューヨーク州エネルギー研究開発局(NYSERDA)は、数百海里にわたって1日最大2万キログラムの水素を輸送できる能力を持つ「効率的で、経済的に実現可能かつ拡張性がある」船舶の開発に関する提案を募集しています。

一方、ペンシルベニア州では、ジョシュ・シャピロ知事が水素貯蔵スタートアップ企業ヴェルヌ社の代表者と共に、水素貯蔵容器の製造に特化した新しい製造施設をライカミング郡に開発すると発表しました。このプロジェクトは61の新規雇用を創出すると見込まれており、ペンシルベニア州政府が127万ドルの支援金を拠出します。

最後に、米国とカナダ全土で、新興水素技術の分野でも前向きな勢いが続いています。

- 地質由来水素 ハイテラ社は、カンザス州のネマハプロジェクトでの掘削キャンペーンを進めています。同社は、3番目の井戸の追加と、7月中旬に掘削開始が予定されていたマッコイ 1号井の掘削を確定しました。ブリティッシュコロンビア州では、プライマリー・ハイドロジェン社がクルックド・アンフィボライト、コキハラ、コグバーンの各サイトでガスサンプリングプログラムのフェーズ2を開始しました。
- ピンク水素 ファースト・ハイドロジェン社とアルバータ大学は、低炭素水素製造のために熔融塩小型モジュール炉(SMR)の利用を調査する研究協力を深めました。
- 熱電併給(CHP)システムの試験 キャタピラー社は、セントポール地区エネルギー社と提携し、ミネソタ州で2MWの水素動力CHPシステムの実環境下での試験に成功しました。このシステムは、100%水素と100%天然ガスの両方で最大200時間稼働し、配電網に直接電力を供給し、高性能天然ガスシステムに匹敵する効率レベルを達成しました。このプロジェクトは、米国エネルギー省(DOE)のEERE局およびIEDO局を通じて部分的な資金提供を受け、国立再生可能エネルギー研究所(NREL)からも支援を受けました。

「One Big Beautiful Bill」の可決は、北米における水素を取りまく状況をすでに再構築し始めており、長らく待たれていた政策の明確化を提供し、新たなプロジェクトの発表、投資、そして戦略的転換の波を解き放ちました。特に大規模プロジェクトの経済性や市場需要に関する課題は残るものの、連邦レベルと州レベルの両方で勢いが高まっていることは、クリーン水素サプライチェーンの拡大に向けた新たなコミットメントを示しています。より安定した政策基盤が整った今、水素産業は、導入を再加速させ、資本を呼び込み、世界の重工業における主要な脱炭素化ツールとしての役割をさらに推進していく上で、好位置につけていると言えるでしょう。

Policies / 政策

July 4-31, 2025

07/10/2025 - Trump's One Big Beautiful Act has made us 'much better off' than we were a year ago: Plug Power

2025年7月10日 プラグ・パワー社、トランプ大統領のOne Big Beautiful Actにより、1年前よりも「はるかに良い状態に」

The limited reprieve granted to green hydrogen-related subsidies in US president Donald Trump's giant tax reform law, the so-called "One Big Beautiful Act" (OBBA), has left struggling green H2 technology firm Plug Power "much better off" than it was a year ago, the US-based company said on Monday. In an analyst call on the passage of the legislation, which was signed into law on 4 July, Plug CEO Andy Marsh described the OBBA as "one of the most meaningful policy wins for Plug and the entire hydrogen fuel cell sector in the last several years [sic]". By way of reasoning, Marsh cited the inclusion of new subsidy terms for fuel cell installations in the new bill — which will now include fuel cells running on grey or blue H2 for the first time — as well as the limited eleventh-hour reprieve for the 45V green hydrogen tax credit (for projects starting construction before 2028), which had looked dead in the water for months. [Full Story](#)

Projects / プロジェクト

July 4-31, 2025

07/24/2025 - Fortescue Abandons Flagship Hydrogen Projects Amid Policy Shifts

2025年7月24日 フォーテスキュー社、政策転換を受け、主力水素プロジェクトを中止

In a stunning reversal, Fortescue has abandoned its 80MW Arizona Hydrogen project in the U.S. and the PEM50 green hydrogen plant in Gladstone, Australia—despite board-approved final investment decisions (FIDs) in November 2023. The abrupt cancellation will result in a US\$150 million [A\$227 million] write-down in Fortescue's second-half results and follows significant public investment, including A\$60 million in combined federal and Queensland support for the Australian site. [Full Story](#)

07/23/2025 - CPS Energy and Modern Hydrogen Launch U.S. Clean Power Pilot Using Hydrogen

2025年7月23日 CPS エナジー社とモダン ハイドロジェン社、水素を利用したクリーン電力実証実験を米国で開始

CPS Energy has partnered with clean energy startup Modern Hydrogen to pilot a project that converts natural gas into clean hydrogen for power generation. “This is about doing something more valuable with natural gas,” Modern Hydrogen CEO Tony Pan told Power Engineering in an interview on Tuesday. San Antonio’s municipal utility will deploy Modern Hydrogen’s methane pyrolysis technology, which uses heat to transform methane from natural gas into hydrogen and solid carbon. CPS Energy has not made a final decision on where to use the hydrogen, but it is expected to be used at one of the utility’s natural gas-fired plants. Pan told us the plant would use less than a 20% hydrogen blend, but the exact ratio hasn’t been determined. The captured solid carbon would be reused in products like asphalt for infrastructure projects. [Full Story](#)

07/23/2025 - Woodside Energy’s ‘disciplined approach’ drives cancellation of H2OK hydrogen project

2025年7月23日 ウッドサイド・エナジー社、「規律あるアプローチ」でH2OK水素プロジェクトを中止
Australian oil and gas major Woodside Energy has decided to exit its H2OK green hydrogen project in the US, due to cost and lower-than-expected demand. First announced in 2021, the Oklahoma-based project was anticipated to produce up to 60 tonnes per day of liquid hydrogen through electrolysis and liquefaction for the heavy transport sector. Woodside had already completed the FEED and awarded equipment and engineering contracts to Nel and Air Liquide. However, due to several challenges facing the low-carbon hydrogen sector, Woodside was forced to re-evaluate the project’s viability. Woodside announced the cancellation in the company’s 2025 Q2 financial report. [Full Story](#)

07/16/2025 - Primary Hydrogen Launches Phase 2 Hydrogen Sampling in BC

2025年7月16日 プライマリー・ハイドロジェン社、ブリティッシュ・コロンビア州で第2フェーズの水素サンプリングを開始

Primary Hydrogen Corp. (TSXV: HDRO, FRA: 83W0, OTCQB: HNATF) (“Primary” or the “Company”) is pleased to announce the launch of Phase 2 field sampling at its Crooked Amphibolite, Coquihalla, and Cogburn projects (collectively, the “BC H₂ Projects”) in British Columbia, Canada. The program will be conducted by Tripoint Geological Services under the supervision of Peter Lauder, Vice President of Exploration, using methodologies developed in partnership with the Institut national de la recherche scientifique (INRS) to minimize artificially generated hydrogen. This second phase of the Company’s multi-stage program is expected to collect soil gas samples across approximately 3,346 hectares and is anticipated to be completed within the next two to three weeks. [Full Story](#)

Projects / プロジェクト

July 4-31, 2025

07/15/2025 - CF Industries Launches Carbon Capture Facility At Donaldsonville Complex

2025年7月15日 CFインダストリーズ社、ドナルドソンビル複合施設で炭素回収施設を稼働

CF Industries has officially launched operations at its new carbon dioxide dehydration and compression facility at the Donaldsonville Complex in Louisiana. This milestone project enables the capture, transport, and long-term underground storage of up to two million metric tons of CO2 annually. The CO2 will be handled by ExxonMobil, CF Industries' strategic partner for this carbon capture and sequestration (CCS) initiative. The two companies are also working together on capturing and storing up to 500,000 metric tons of carbon dioxide from CF's facilities in Yazoo City, Mississippi. [Full Story](#)

07/11/2025 - Chevron Reveals Plans to Build \$5B Blue Hydrogen Plant in Port Arthur

2025年7月11日 シェブロン、ポートアーサーに50億ドル規模のブルー水素プラントを建設計画を発表

Chevron Corporation CVX, a U.S.-based oil and gas giant, is reportedly planning to construct a huge blue hydrogen and ammonia plant in Port Arthur, TX. The company has made the necessary filings for tax abatements to support the construction of this plant. The investment associated with this large-scale blue hydrogen and ammonia plant is nearly \$5 billion. Apart from tax benefits, Chevron is also seeking funding for the project through the HyVelocity Hub initiative. This initiative, which is federally funded, is expected to reduce the total CVX investment in this low-carbon energy project. Chevron's development, named Project Labrador, is expected to start construction in 2027. The plant is slated to begin commercial operations in 2032. The project could qualify for tax exemptions, provided the construction begins as per schedule. Chevron is targeting the 10-year 45V clean hydrogen production tax credit, which has an expiration date of Jan. 1, 2028. If the development of Project Labrador proceeds on time, it could meet the deadline to access this valuable incentive. The 45V clean hydrogen production tax credit should provide up to \$3 per kilogram of clean hydrogen produced for 10 years. [Full Story](#)

07/09/2025 - HyTerra Advances Drilling Campaign at Kansas Nemaha Hydrogen Project

2025年7月9日 ハイテラ社、カンザス州ネマハ水素プロジェクトで掘削キャンペーンを進展

HyTerra (ASX:HYT) has ramped up activity at its Nemaha Project in Kansas, confirming the addition of a third well to its 2025 drilling campaign and the imminent spudding of the McCoy 1 well, according to a company announcement filed with the Australian Securities Exchange. The Murfin Rig 116 has mobilized and is currently rigging up at the McCoy 1 site, with drilling expected to begin later this week. The company stated that McCoy 1 represents a "milestone" in its evolution from historical well "twinning" to geology-led targeting backed by in-house intellectual property and modern subsurface data. The well location was selected based on positive results from Sue Duroche 3, situated on the same Nemaha Ridge structure, and refined using Xcalibur Airborne Gravity Gradiometry and legacy seismic data reprocessed in 2025. [Full Story](#)

07/28/2025 - Next Hydrogen Energizes Ontario's Largest Clean Hydrogen Station

2025年7月28日 ネクスト・ハイドロジェン社、オンタリオ州最大のクリーン水素ステーションに電力供給

Next Hydrogen Solutions Inc. is pleased to announce the successful commencement of operation of its revolutionary electrolyzer for clean hydrogen fueling at a major distribution centre. This achievement signifies the inauguration of Ontario's largest onsite clean hydrogen generation and fueling station, designed to produce up to 650 kg of hydrogen per day to support fuel cell forklifts. [Full Story](#)

07/18/2025 - Pure Hydrogen Sells First HFC Truck in US

2025年7月18日 ピュア・ハイドロジェン社、米国で初のHFCトラックを販売

Australian clean energy company Pure Hydrogen Corporation Limited (ASX: PH2) ("Pure" or "the Company") is pleased to announce it has signed a Term Sheet with Riverview International Trucks ("Riverview"), a leading US commercial truck dealership based in California, for the purchase of one hydrogen-powered refuse truck. Under the agreement, Riverview has committed to purchase a TG23-110 Hydrogen Fuel Cell Electric Vehicle Dual Control Cab Chassis (Refuse Truck). The vehicle, compliant with CARB certification (California Air Resources Board) and other US standards (FMVSS and DoT), will be assembled in Australia and shipped to Riverview's facility in West Sacramento, California. [Full Story](#)

07/16/2025 - The Northwest Seaport Alliance launches \$6.2M incentive program for zero-emission drayage trucks in Puget Sound

2025年7月16日 ノースウェスト・シーポート・アライアンス社、ピュージェット湾でゼロエミッション貨物トラック向けに620万ドルのインセンティブプログラムを開始

The Northwest Seaport Alliance recently announced the inaugural incentive program for zero-emission truck and charging deployment. The NWSA identified Zeem Solutions as the awarded subrecipient. Zeem has a proven track record in the deployment of ZEVs and charging infrastructure, but this will be its first deployment in Washington State. Made possible by a \$6.2 million grant from the Washington State Department of Transportation, the incentives will collectively bring 19 zero-emission trucks and charging to the Puget Sound region. This grant serves as a catalyst for private investment from project participants, with Zeem and its fleet partners contributing a substantial portion of the total project costs. [Full Story](#)

07/16/2025 - Duo eyes 'near-zero' boil-off losses at new Californian hydrogen refuelling station

2025年7月16日 カリフォルニア州の新水素ステーションで、ボイルオフ損失を「ほぼゼロ」を目指す2社

Nikkiso Clean Energy & Industrial Gases Group (CE&IG) and WestAir plan to build a new hydrogen refuelling and trailer station in Long Beach, California, designed to reduce boil-off

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losses “close to zero.” The project, led by WestAir, will provide direct fuelling for vehicles at 350 bar, as well as trailer filling at 500 bar for gas distribution, with liquid hydrogen storage on site. It could be upgraded to provide 700 bar refuelling in the future. [Full Story](#)

07/11/2025 - New York offers \$3.9m to advance maritime hydrogen logistics

2025年7月11日 ニューヨーク州、海上水素物流の推進に390万ドルを提供

New York state is offering \$3.9m to support the development of maritime hydrogen transport solutions. The New York State Energy Research and Development Authority (NYSERDA) said the funding was open to companies advancing new and retrofitted ships to transport hydrogen in the state. The authority is seeking proposals focused on developing efficient, “economically viable,” and scalable vessels that can deliver at least 20,000kg of hydrogen per shipment across a minimum of 100 nautical miles. [Full Story](#)

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07/31/2025 - First Hydrogen and University of Alberta Expand SMR Partnership to Power Green Hydrogen for AI Data Centers

2025年7月31日 ファースト・ハイドロジェン社とアルバータ大学がSMRパートナーシップを拡大、AIデータセンター向けグリーン水素に注力

First Hydrogen Corp. is turning up the heat on clean energy innovation by teaming up once again with the University of Alberta’s Renewable Thermal Laboratory. This time, they’re diving deeper into molten salt small modular reactors (SMRs). [Full Story](#)

7/22/2025 - Electric Hydrogen receives DNV validation after the respected independent engineering firm’s comprehensive assessment of HYPRPlant

2025年7月22日 エレクトリック・ハイドロジェン社、信頼度の高い独立したエンジニアリング会社によるHYPRプラントの包括的な評価を受け、DNV検証を取得

Electric Hydrogen, global manufacturer of high-power electrolyzer plants, announced today that DNV, the independent energy expert and assurance provider, has completed its comprehensive technical due diligence on Electric Hydrogen’s HYPRPlant solution. DNV’s report commends Electric Hydrogen’s industry-leading advanced PEM technology performance and extensive testing capabilities to uncover unique failure modes. It also concludes that the HYPRPlant offering can be both highly reliable and “highly competitive” on cost and current commercial guarantees. Electric Hydrogen’s HYPRPlant is a fully integrated and prefabricated plant, powered by the company’s proprietary advanced PEM technology, and is offered in 3 variants: 75 MW, 100 MW and 120 MW. [Full Story](#)

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07/07/2025 - Caterpillar tests hydrogen operation in 2 MW CHP system

2025年7月7日 キヤタピラー社、2MWのCHPシステムで水素運転を試験

Caterpillar, in cooperation with District Energy St. Paul, has successfully tested a hydrogen-powered combined heat and power (CHP) system with an output of 2 MW under real operating conditions. The system was operated using both 100% hydrogen and 100% natural gas. The tests were conducted within the supply network of District Energy St. Paul in the U.S. state of Minnesota. The 2.0-megawatt system was operated for up to 200 hours each with 100% hydrogen and 100% natural gas. The energy generated was fed directly into the active distribution network. According to Caterpillar, the system achieved an efficiency comparable to that of high-performance natural gas systems. The project was supported and partially funded by the U.S. Department of Energy (DOE) through the Office of Energy Efficiency and Renewable Energy (EERE) and the Industrial Efficiency and Decarbonization Office (IEDO). The National Renewable Energy Laboratory (NREL) was also involved. [Full Story](#)

Investments, Mergers, Acquisitions / 投資、合併、買収

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07/29/2025 - Chart terminates \$19bn merger to be acquired by Baker Hughes in \$13.6bn deal

2025年7月29日 チャート社、190億ドルの合併を中止し、ベーカー・ヒューズ社による136億ドルの買収を選択

Chart Industries has terminated a \$19bn merger deal with Flowserve in favour of a \$13.6bn all-cash acquisition by Baker Hughes. The US cryogenic equipment maker said it had axed the Flowserve merger after its board determined that Baker Hughes had made a “superior” offer.

[Full Story](#)

07/22/2025 - Billion dollar loan to Mitsui & Co. for Gulf coast mega-project finalised

2025年7月22日 メキシコ湾岸のメガプロジェクト向け三井物産への10億ドルの融資が完了

Together, the two Japanese financial giants will fully finance Mitsui & Co.'s investment in the Blue Point mega-project in the USA. Together with JERA and CF Industries, Mitsui & Co. reached FID on the project in April this year, with a total investment price tag of around \$4 billion. 1.4 million tons per year of CCS-based ammonia will be produced at the complex in Louisiana, with each partner independently handling offtake negotiations according to its final ownership percentage in the project. The loan fits into a broader national strategy for Japan: secure decarbonised energy resources, and establish supply chains that allow the flow of hydrogen and associated products into Japan. As part of the Japanese government's Basic Hydrogen Strategy launched in 2023, JBIC and other public financial institutions are responsible

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for mobilizing funds to establish these supply chains at large scale. Government subsidies in the form of GX Bonds also play a critical role in this transition, and we await the first announcement of recipients under a long-term CfD program, which will help facilitate the delivery of low-emission ammonia to Japan. [Full Story](#)

07/21/2025 - Linde Announces Major U.S. Investments to Support Commercial Space Sector

2025年7月21日 リンデ社、商業宇宙セクターを支援する米国への大規模投資を発表

Linde (Nasdaq: LIN) today announced ambitious new investments to fuel the next frontier of space exploration. With two new long-term agreements to supply bulk industrial gases for rocket launches, Linde is strengthening its leadership in the rapidly expanding U.S. space industry. As part of these agreements, Linde will significantly expand its industrial gases facility in Mims, Florida. This site will provide critical liquid oxygen and nitrogen to support rocket launches at nearby space facilities. The additional capacity is expected to start up in the first quarter of 2027, marking the latest phase in Linde's growth at Mims, following expansions in 2020 and 2024 driven by robust demand for industrial gases in the region. Further amplifying its leading role in the U.S. space sector, Linde will build, own and operate a new air separation unit (ASU) in Brownsville, Texas, under a separate agreement. Expected to start up in the first quarter of 2026, this new facility will deliver liquid oxygen, nitrogen and argon, addressing the needs of its customer's space operations in the region. Beyond supporting space exploration, the Brownsville ASU will enhance Linde's extensive network of industrial gas infrastructure and expand merchant capacity across Texas. [Full Story](#)

07/15/2025 - Pennsylvania Gov. Shapiro Announces \$4.5M Investment From Verne Inc.

2025年7月15日 ペンシルベニア州シャピロ知事、ヴェルヌ社の450万ドルの投資を発表

Pennsylvania Governor Josh Shapiro joined Verne Inc. Co-Founder David Jaramillo and local leaders to announce that Verne Inc. - a California-based energy storage innovator - will open its first manufacturing facility in Muncy, Pennsylvania. The nearly \$4.5 million project will create at least 61 new, full-time jobs in Lycoming County and further cement Pennsylvania's leadership in clean energy and advanced manufacturing. The Commonwealth is investing more than \$1.27 million to support the project. [Full Story](#)

7/10/2025 - Sumitomo Corporation of Americas Announces Strategic Investment in Independence Hydrogen to Develop Hydrogen Production and Distribution Projects

2025年7月10日 米州住友商事、水素製造・供給事業開発のためインディペンデンス・ハイドロジェンへの戦略的投資を発表

Sumitomo Corporation, through its U.S. subsidiary Sumitomo Corporation of Americas, announced a strategic investment in Independence Hydrogen to develop additional decentralized hydrogen production and distribution projects in the United States. Independence Hydrogen, Inc. is a veteran-founded and operated, privately held company that manufactures and distributes gaseous hydrogen in a decentralized hydrogen (DeHy®) business model. The

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company operates a hydrogen production facility in Petersburg, Virginia that recycles hydrogen, otherwise vented into the atmosphere as a waste product, into fuel cell grade hydrogen for customers in the material handling, mobility, remote critical infrastructure, and industrial gas sectors. [Full Story](#)

07/09/2025 - Plug Power Bolsters Hydrogen Supply with New Deal

2025年7月9日 プラグパワー社、新たな契約で水素供給を強化

Plug Power Inc. (NASDAQ: PLUG), a global leader in comprehensive hydrogen solutions, today announced a new multi-year enhanced supply agreement with a leading U.S.-based industrial gas company and longtime hydrogen partner through 2030. The agreement extends the companies' current strategic relationship through 2030, securing reliable hydrogen supply for Plug's growing applications business while significantly reducing the cost structure and improving cash flows. As part of the extension, the strategic partner will continue to supply Plug with liquid hydrogen while immediately reducing the cost and collaborating on improved network efficiency. The extension aligns with Plug's strategic objectives to strengthen margins, enhance operational flexibility and support customer demand across a growing base of over 275 hydrogen-consuming customer sites and growing. [Full Story](#)

07/04/2025 - H2Global opens applications to supply green hydrogen and its derivatives from four global regions to Germany

2025年7月4日 H2グローバル社、世界4地域からドイツへのグリーン水素と派生品の供給に向けた申請受付を開始

H2Global has opened up applications for its €2.5bn (\$2.94bn) auction for companies to supply renewable hydrogen, ammonia or methanol to Germany from four global regions: Africa, Asia, South America and Oceania, and North America. H2Global, originally set up by the German government, procures renewable hydrogen and its derivatives on ten-year contracts via an implementation agency, Hintco, and then auctions off the volumes in short-term offtake agreements to customers within Germany (or other participating countries) — with the price gap between the two tenders filled in via government funds. Companies will have until 12 September to request to participate, after which successful candidates will enter a “negotiation period” to set out a single set of hydrogen production agreement contract terms for each regional lot.

[Full Story](#)