NORTH AMERICAN H2 NEWS BRIEF
北米水素業界ニュース概要

SAORADH™ ENTERPRISE PARTNERS

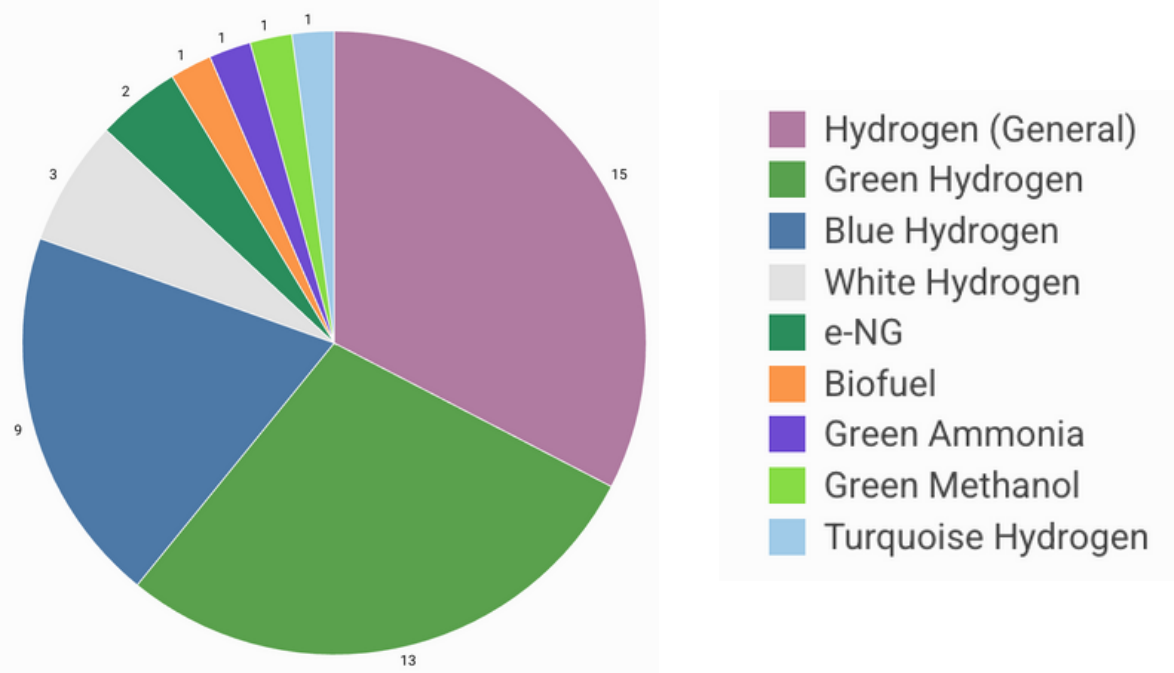
NOVEMBER 1–
DECEMBER 2, 2025

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

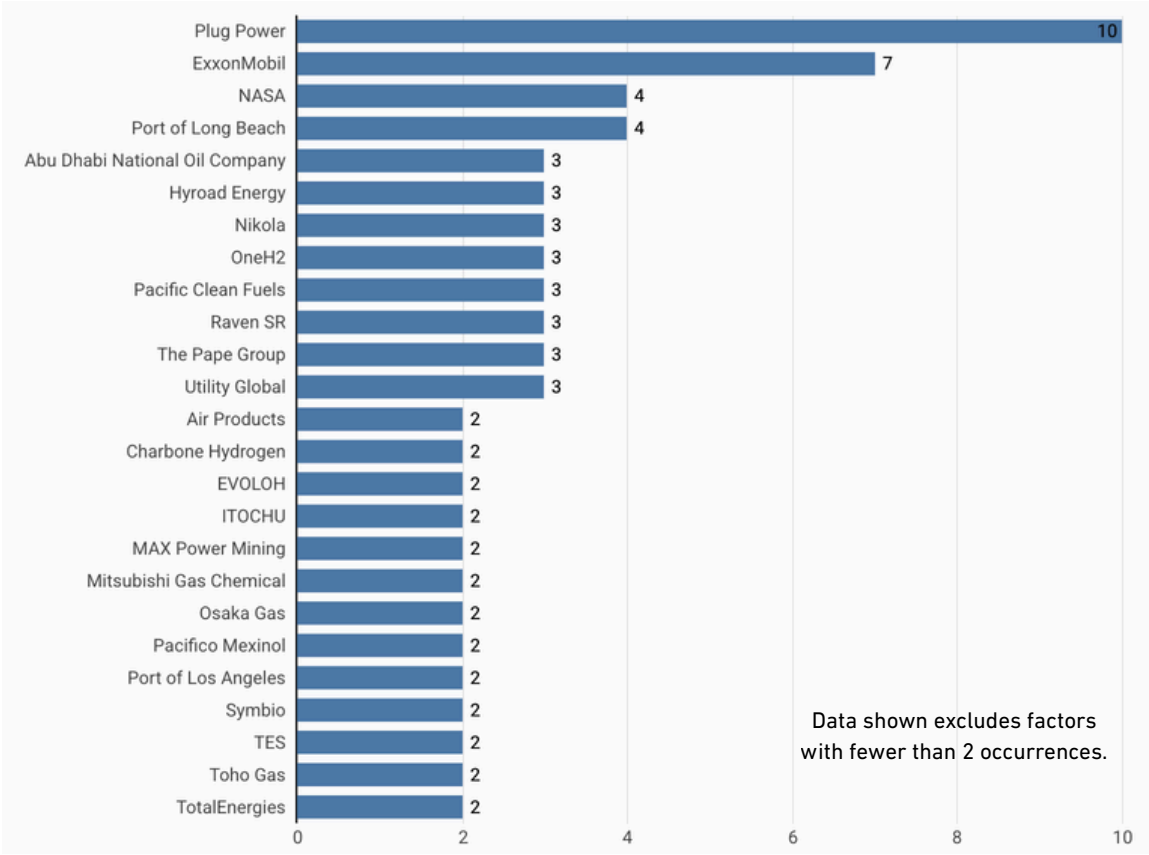
Table of Contents / 目次

Monthly News Statistics / 今月のニュース統計

News Count by Product / 製品別ニュース数

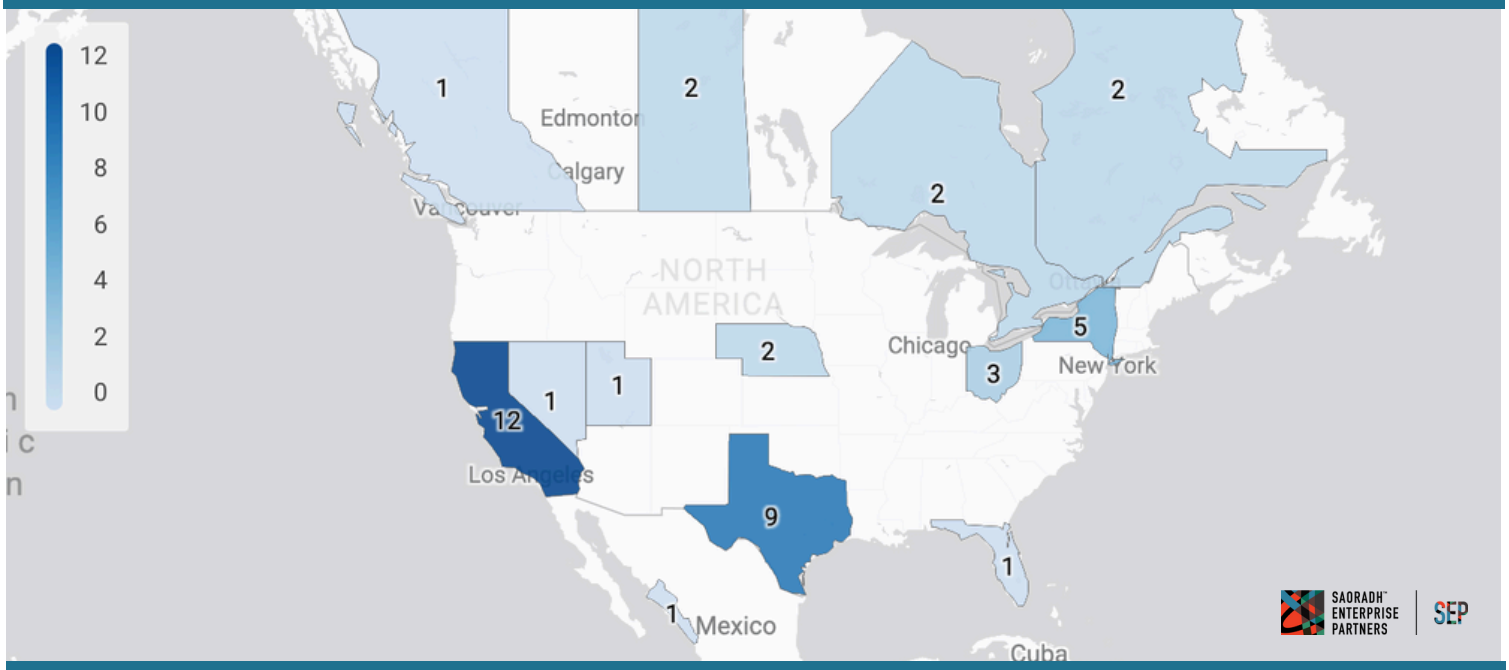


News Count by Company Name / 企業別ニュース数

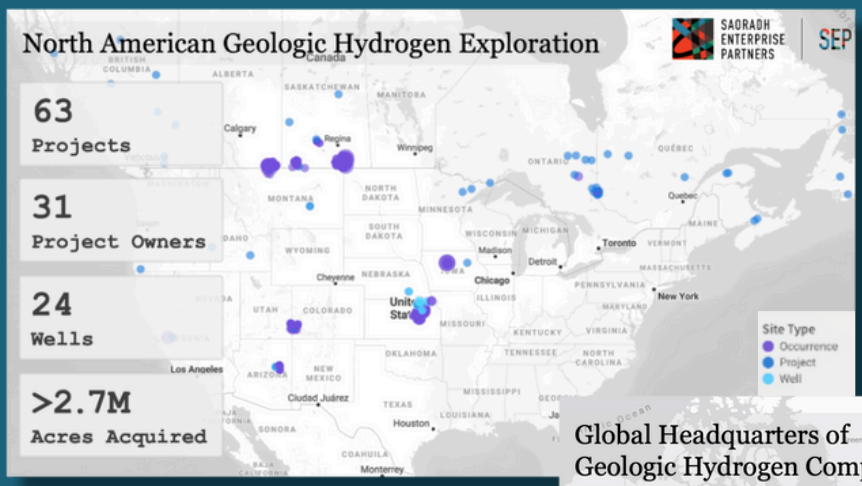


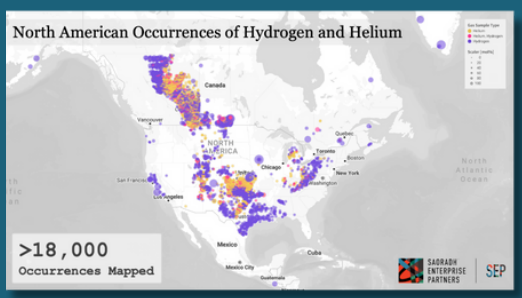
Monthly News Statistics / 今月のニュース統計

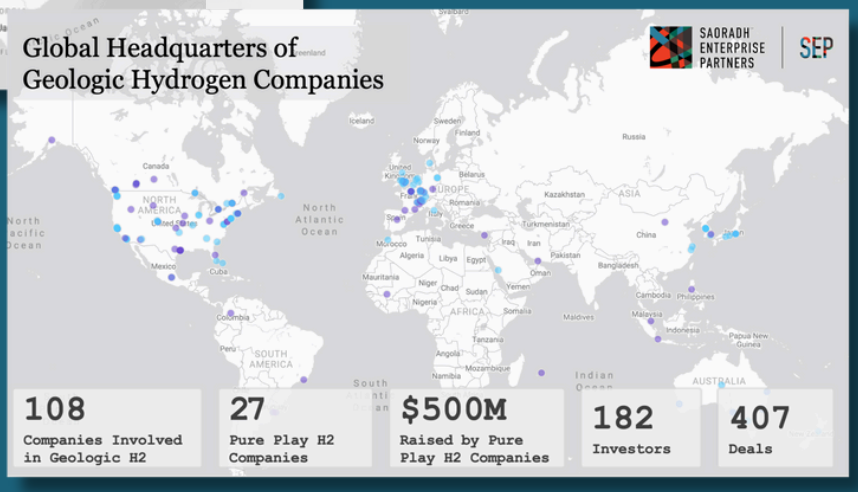
News Count by State or Province / 州別ニュース数



North American Geologic Hydrogen Tracker / 北米天然水素追跡ツール







SEP Analyst Notes / SEPアナリスト解説

Analyst Note (November 1 - December 2, 2025)

Industry headwinds stemming from the delayed International Maritime Organization (IMO) vote, previously shortened runway for the 45V tax credit, and a leaked U.S. Department of Energy (DOE) document suggesting potential cuts to the remaining five regional hydrogen hubs continued through November. The most notable development came from ExxonMobil, whose CEO Darren Woods announced that the company has shelved its $7 billion Baytown blue hydrogen project, once expected to be one of the world's largest, due to insufficient customer demand associated with changes in US policy. Chevron raised similar concerns, with Robert Nunmaker, General Manager of Commercial and Sales at Chevron New Energies, stating at Wood Mackenzie's Hydrogen Conference 2025 that scaling green hydrogen in the United States still requires near perfect market conditions given uneven policy and tighter incentives. Despite these challenges, the month also saw several major project announcements that point to continued market traction across North America.

In the United States, several projects advanced materially in November:

- **TotalEnergies**, **TES**, **Osaka Gas**, **Toho Gas**, and **ITOCHU** finalized a Joint Development and Operating Agreement for the Live Oak e-NG project in Nebraska. Now entering FEED, the project targets 250 MW of electrolysis and 75,000 tonnes per year of methanation, with FID planned for 2027 and start-up in 2030.
- **Raven SR** received a key air permit for its Richmond waste-to-hydrogen plant, the first non combustion renewable hydrogen project in California to secure full air quality approval. Backed by **Chevron** and other investors, the facility will process up to 99 tons of organic waste per day into approximately 2,400 tonnes of hydrogen annually, with groundbreaking targeted for 2026 pending remaining permits and financing.
- **Synergen** selected **Topsoe** to supply its dynamic ammonia loop technology, catalysts, and equipment for its first U.S. green ammonia project, designed to produce 210,000 tonnes per year of renewable ammonia for export.
- **NASA** awarded $147 million in fixed-price contracts to **Air Products** and **Plug Power** for ~16,700 tonnes of liquid hydrogen across multiple U.S. centers. Air Products will deliver 16,560 tonnes to Kennedy Space Center, Cape Canaveral, Marshall, and Stennis, while Plug Power will supply 220 tonnes to Glenn Research Center and Armstrong Test Facility, supporting cryogenic propulsion and engine research.

Even **ExxonMobil**, despite shelving its major blue hydrogen project, is continuing to advance low-carbon hydrogen initiatives. In partnership with **BASF**, the company plans a methane pyrolysis demonstration plant at its Baytown, Texas complex that will produce up to 2,000 tonnes of turquoise hydrogen and 6,000 mt of solid carbon annually using existing natural gas infrastructure. Further, insights obtained by SEP indicate that the ExxonMobil blue hydrogen project could be restarted if US and/or global policy changes occur.

(Continued)

Momentum was not limited to the United States, as Canada and Mexico also recorded notable progress across several commercial scale projects:

- **Charbone** achieved first green hydrogen production at its Sorel-Tracy facility near Montreal, completing commissioning in late November. The Phase 1A plant uses a 2.25 MW Cummins alkaline electrolyzer powered by hydroelectricity and can produce up to 328 tonnes per year. A five-year offtake agreement with an Ontario-based distributor was signed in October, and deliveries have now begun.
- **Transition Industries** signed a conditional offtake agreement with **Mitsubishi Gas Chemical** for roughly one million tonnes per year of ultra-low-carbon methanol from its Pacifico Mexinol project in Sinaloa. The facility aims to produce more than two million tonnes annually of combined green and blue methanol starting in 2029, with the MGC deal anchoring about half of planned output and supporting progress toward FID.

On the mobility front, activity was mixed. **Hyroad Energy**, **Pacific Clean Fuels**, and **OneH2** announced one of California's largest hydrogen truck deployments, with 113 Nikola fuel cell trucks scheduled to begin operating in January 2026 along the Los Angeles and Long Beach freight corridor, supported by a new hydrogen station under construction in Long Beach. **Utility Global** and **Symbio North America** formed a strategic alliance to accelerate adoption of hydrogen powered refuse trucks. The partnership is supported by a South Coast Air Quality Management District (AQMD) grant to design and demonstrate a fuel cell refuse collection vehicle, with Utility Global overseeing fueling operations. At the same time, the Ports of Los Angeles and Long Beach finalized a binding agreement with the South Coast AQMD that requires time bound plans for zero emission infrastructure across all equipment categories, with draft plans due in 2027 and final plans by 2029. Balancing this progress, **Ballard Power Systems** cancelled its planned three gigawatt fuel cell manufacturing facility in Texas due to capital discipline amid uncertainty over DOE funding after the federal government terminated a large number of clean energy grant projects.

Geologic hydrogen activity this month was led by **Max Power Mining Corp**., which successfully drilled Canada's first well specifically targeting natural hydrogen. The well reached a depth of 2,278 meters at the Lawson site on Saskatchewan's 475 kilometer Genesis Trend and encountered natural hydrogen across multiple horizons, ranging from shallow Cretaceous formations into the basement complex. The results validate the project's test of concept, with detailed gas analyses underway and follow up testing planned to evaluate potential flow rates and volumes.

Despite ongoing policy uncertainty, demand challenges, and several high-profile project cancellations, November ultimately underscored a sector that continues to advance on multiple fronts. Major U.S., Canadian, and Mexican projects moved forward, signaling steady momentum across production, mobility, and emerging segments such as geologic hydrogen. While the market remains highly sensitive to policy signals and capital discipline, the breadth of activity this month reflects an industry that is maturing, diversifying, and pushing ahead even in the face of persistent US-led headwinds.

国際海事機関（IMO）の採決遅延、45V税額控除の適用期間短縮の動き、そして残る5つの地域水素ハブへの支援削減の可能性を示唆した米国エネルギー省（DOE）の漏洩文書に起因する業界への逆風は、11月も続きました。最も注目すべき動きはエクソンモービルからで、ダレン・ウッズCEOは、かつて世界最大級になると予想されていた70億ドルのベイトン・ブルー水素プロジェクトを、米国政策の変更に伴う顧客需要の不足を理由に、棚上げしたと発表しました。シェブロンも同様の懸念を表明しており、シェブロン・ニューエナジーズ商業・販売部門ゼネラルマネージャーであるロバート・ナンメーカーは、ウッド・マッケンジーの水素カンファレンス2025で、政策の不均衡とインセンティブの縮小を考慮すると、米国でグリーン水素の規模を拡大するには依然として「ほぼ完璧な市場条件」が必要であると述べました。こうした課題にもかかわらず、今月も北米全体で市場の牽引力が継続していることを示す、複数の主要プロジェクト発表がありました。

米国では、11月に複数のプロジェクトが実質的に進展しました。

- トタルエナジーズ、TES、大阪ガス、東邦ガス、および伊藤忠商事は、ネブラスカ州におけるライブオークe-NGプロジェクトの共同開発・運営契約を締結しました。現在、FEED（基本設計）段階に入っており、250 MWの電解設備、年間7.5万トンのメタン化能力を目標とし、2027年のFID（最終投資決定）、2030年の稼働開始を予定しています。
- レイヴンSRは、リッチモンドの廃棄物水素化プラントについて、主要な大気許可を取得しました。これはカリフォルニア州で、非燃焼型再生可能水素プロジェクトとしては初めて完全な大気質承認を確保したことになります。シェブロンなどの投資家によって支援されているこの施設は、1日最大99トンの有機廃棄物を処理し、年間約2,400トンの水素を生産する予定で、残りの許認可と資金調達を条件として2026年の着工を目指しています。
- シナジェンは、米国初のグリーンアンモニアプロジェクト向けに、トップソーをダイナミックアンモニアループ技術、触媒、および機器のサプライヤーとして選定しました。このプロジェクトは、年間21万トンの再生可能アンモニアを生産し、輸出することを計画しています。
- NASAは、エア・プロダクツとプラグ・パワーに対し、複数の米国センター向けに約16,700トンの液体水素を供給する総額1億4,700万ドルの固定価格契約を授与しました。エア・プロダクツはケネディ宇宙センター、ケープカナベラル、マーシャル、ステニスに 16,560トン、プラグ・パワー社はグレン研究センターとアームストロング試験施設に220 トンを供給し、極低温推進およびエンジン研究を支援します。

主要なブルー水素プロジェクトを棚上げしたエクソンモービルでさえ、低炭素水素イニシアチブの推進を継続しています。同社はBASFと提携し、テキサス州ベイトンの複合施設でメタン分解実証プラントを計画しており、既存の天然ガスインフラを活用して、年間最大2,000トンのターコイズ水素と6,000メトリックトンの固体炭素を生産する予定です。さらに、SEPが取得した情報によると、米国および/またはグローバルな政策変更があれば、エクソンモービルのブルー水素プロジェクトは再開される可能性があります。

勢いは米国に限定されず、カナダとメキシコでも複数の商業規模のプロジェクトで顕著な進展が記録されました。

- シャルボーン社は、モントリオール近郊のソレル・トレーシー施設で初のグリーン水素生産を達成し、11月下旬に試運転を完了しました。フェーズ1Aプラントは、水力発電を動力とする2.25 MWのカミンズ社のアルカリ電解装置を使用し、年間最大328トンの生産能力があります。オンタリオ州を拠点とするディストリビューターとの5年間の売買契約は10月に締結されており、現在は供給が開始されています。
- トランジション・インダストリーズは、三菱ガス化学と、シナロア州のパシフィコ・メキシノール・プロジェクトから年間約100万トンの超低炭素メタノールを供給する条件付き売買契約を締結しました。この施設は、2029年から年間200万トンを超えるグリーンおよびブルーメタノールを生産することを目指しており、三菱ガス化学との契約は計画生産量の約半分を確保し、FIDに向けた進展を支えるものです。

モビリティ分野の活動はまちまちでした。

- ハイロード・エナジー、パシフィック・クリーン・フュエルズ、およびワンH2は、カリフォルニア州最大級の水素トラック導入計画を発表しました。113台のニコラ燃料電池トラックが2026年1月からロサンゼルスとロングビーチを結ぶ輸送ルートで運行を開始する予定で、ロングビーチに建設中の新しい水素ステーションによってサポートされます。
- ユーティリティ・グローバルとシンビオ・ノース・アメリカは、水素ごみ収集車の導入促進を目的とした戦略的提携を結成しました。この提携は、サウス・コースト大気質管理局（AQMD）の補助金による燃料電池ごみ収集車の設計・実証プロジェクトによって支援されており、ユーティリティ・グローバルが燃料補給の運用業務を統括します。同時に、ロサンゼルス港とロングビーチ港は、サウス・コーストAQMDとの間で、すべての機器カテゴリーにわたるゼロエミッション・インフラの計画を期限付きで策定することが義務付けられており、計画案は2027年、最終計画は2029年に提出されることになっています。

この進展と並行して、バラード・パワー・システムズは、テキサス州で計画していた3ギガワットの燃料電池製造施設の計画を中止しました。連邦政府が多数のクリーンエネルギー補助金プロジェクトを打ち切った後、エネルギー省の資金提供が不透明となる中、資本規律を重視した判断によるものです。

天然水素の活動は今月、マックス・パワー・マイニングが主導しました。同社は、カナダで天然水素を特にターゲットとした初の井戸掘削に成功しました。サスカチュワン州の長さ475キロメートルにおよぶジェネシス・トレンド上のローソン・サイトで、深度2,278メートルに到達し、白亜紀の浅地層から基盤岩複合体に至る複数の地層で天然水素を確認しました。この成果は、プロジェクトの概念実証を裏付けるもので、現在、詳細なガス分析が進行中で、潜在的な流量と容量を評価するための追跡調査が計画されています。

継続的な政策の不確実性、需要の課題、およびいくつかの注目度の高いプロジェクトの中止にもかかわらず、11月は最終的に、複数の側面で前進を続けるセクターの実態を浮き彫りにしました。米国、カナダ、メキシコの主要プロジェクトが前進し、生産、モビリティ、および天然水素のような新興分野において、着実な勢いが示されています。市場は引き続き政策動向や資本規律に非常に敏感ですが、今月の活動の広がりは米国主導の逆風が続く中でも成熟し、多様化し、前進を続ける産業の実態を反映しています。

News Stories / 主要ニュース一覧

Policies / 政策

November 1 - December 2, 2025

11/12/2025 - Green hydrogen in US is challenging without perfect conditions, says Chevron
2025年11月12日　シェブロン社、米国におけるグリーン水素は完璧な条件なしでは困難と表明
Chevron's news energy lead says scaling green hydrogen in the US today demands perfect conditions, as uneven policy and tightening incentives make replication of the company's green hydrogen energy storage project difficult. Robert Nunmaker, who is General Manager, Commercial & Sales at Chevron New Energies, was speaking in an interview at Wood Mackenzie's Hydrogen Conference 2025 in London. "In our case, we have our ACES Delta project in Utah, which we are working on with partners as the majority stakeholder." Nunmaker said the salt cavern on the site, which can store hydrogen, effectively acts as a gigantic battery, for relatively easy access, given the good transport infrastructure. **Full Story**

Projects / プロジェクト

November 1 - December 2, 2025

12/02/2025 - Charbone produces first green hydrogen in Quebec
2025年12月2日　シャルボーン社、ケベック州で初のグリーン水素を生産
Charbone Hydrogen has announced its first hydrogen production from its hydro-powered electrolyser installation in Quebec, Canada, ahead of entering commercial operations. The green hydrogen firm said technical teams completed the first hydrogen production tests of its Sorel-Tracy project at the end of November, showing the system was "properly functioning." Said to be Quebec's first decentralised green hydrogen production facility, it marks the start of Charbone's entry into becoming a clean gas producer and distributor, with plans to expand into other industrial gases. **Full Story**

12/02/2025 - TotalEnergies, TES, Osaka Gas, Toho Gas and ITOCHU Partner Up to Develop the Live Oak Project for e-NG Production in Nebraska
2025年12月2日　トタルエナジーズ、TES、大阪ガス、東邦ガス、伊藤忠商事が、ネブラスカ州におけるe-NG（e-メタン）生産プロジェクト「ライブオークプロジェクト」で提携
TotalEnergies, TES, Osaka Gas, Toho Gas, and ITOCHU have signed a Joint Development and Operating Agreement, granting the Japanese companies a combined 33.3% stake in the Live

Projects / プロジェクト

November 1 - December 2, 2025

Oak project — a large-scale facility to produce electric natural gas (e-NG) also known as e-methane, initiated by TotalEnergies and TES and currently under development in Nebraska, United States. Following the agreement, TotalEnergies and TES will each maintain a 33.35% stake in the project. The partners are now preparing the Front-End Engineering Design (FEED) phase, targeting a capacity of approximately 250 MW of electrolysis and 75 ktpa of methanation. The project, subject to a Final Investment Decision in 2027, is scheduled to begin commercial operations by 2030, with plans to export e-NG to Japan. Osaka Gas and Toho Gas will be the primary offtakers. This project helps the Japanese gas majors in achieving their goal of injecting 1% carbon neutral gas (such as e-NG) into the gas grid by 2030. **Full Story**

11/26/2025 - Max Power drills into natural H2 in multiple horizons at Lawson in Canada's first natural H2 well

2025年11月26日　マックス・パワー社、カナダ初の天然水素井戸となるローソン地区で複数の地層から天然水素を掘削

MAX Power Mining Corp. has completed Canada's first-ever well specifically targeting natural H2, reaching a total depth of 2,278 meters at the Lawson target on the Genesis Trend, with natural H2 present in multiple horizons from the shallow Cretaceous strata into the basement complex. This successful "Test of Concept" has triggered extensive data analysis to confirm concentrations of natural H2 and helium gases, to be followed by additional testing at Lawson to determine potential flow and volume in this part of the 475-km-long Genesis Trend. **Full Story**

11/24/2025 - Exxon freezes plans for major hydrogen plant amid weak customer demand

2025年11月24日　エクソン、需要低迷により大型水素プラント計画を凍結

Exxon Mobil has paused plans to build what would be one of the world's largest hydrogen production facilities due to weak customer demand, CEO Darren Woods told Reuters in an interview on Friday. The suspension of the project, which had already experienced delays, reflects a wider slowdown in efforts by traditional oil and gas firms to transition to cleaner energy sources as many of the initiatives struggle to turn a profit. **Full Story**

11/24/2025 - NASA awards liquid hydrogen supply contracts to Air Products and Plug Power

2025年11月24日　NASA、エア・プロダクツとプラグ・パワー社に液体水素供給契約を授与

NASA has awarded liquid hydrogen supply contracts to Plug Power and Air Products to deliver around 16,700 tonnes of fuel across its US facilities. The liquid hydrogen will be used to fuel NASA's cryogenic rocket engines and support aeronautics and propulsion research at its centres in Florida, Alabama, Mississippi, and Ohio. Worth a combined $147m, the contracts cover 16,560 tonnes of liquid hydrogen for Kennedy Space Centre, Cape Canaveral, Marshall, and Stennis, while Plug Power will supply the remaining 220 tonnes to the Glenn Research Centre and Armstrong Test Facility. NASA's liquid hydrogen awards are fixed-price contracts that guarantee set quantities and prices for future deliveries. **Full Story**

Projects / プロジェクト

November 1 - December 2, 2025

11/18/2025 - Raven SR secures permit for waste-to-hydrogen plant in Richmond
2025年11月18日　レイブンSR、リッチモンドに廃棄物水素化プラントの許可を取得
Renewable energy company Raven SR announced today it received a key air permit from the Bay Area Air District to build a waste-to-hydrogen production facility in Richmond. The plant, located at the closed Republic Services landfill, will convert up to 99 tons of organic waste daily into about 2,400 metric tons of hydrogen annually, without combustion. Backed by Chevron and others, the project has been years in the making, with a groundbreaking planned for 2026 pending final permits and financing. It's the first project of its kind in California to receive full air-quality clearance. **Full Story**

11/14/2025 - Ballard cancels 3GW Texas fuel cell plant
2025年11月14日　バラード社、テキサス州の3GW燃料電池プラントを中止
Ballard Power Systems has framed the cancellation of its hydrogen fuel cell plant in Rockwall, Texas, as an exercise in capital discipline. During its Q3 earnings call, CEO Marty Neese confirmed the company "will not pursue" the 3GW facility. The decision follows earlier uncertainty over whether the project would secure Department of Energy (DOE) funding, after the US government cut 223 clean energy projects totalling $7.5bn across its grant programmes.
Full Story

11/10/2025 - Plug Power Monetizes Electricity Rights, Supports U.S. Data Center Expansion
2025年11月10日　プラグ・パワー社、電力権益を収益化し、米国データセンターの拡張を支援
Plug Power Inc. (NASDAQ: PLUG), a global leader in comprehensive hydrogen solutions for the hydrogen economy, today announced that it expects to generate more than $275 million in liquidity improvement through a combination of asset monetization, release of restricted cash, and reduced maintenance expenses. As part of this initiative, Plug has signed a non-binding Letter of Intent to monetize its electricity rights in New York and one other location and collaborate with a U.S. data center developer. The project developer is actively expanding its data center platforms across the country, and Plug will work with them to explore providing auxiliary and back-up power solutions utilizing Plug's advanced fuel cell technology. This collaboration highlights Plug's growing presence in the rapidly expanding data center sector, where the need for reliable, low-carbon energy continues to accelerate. Plug's fuel cell systems are ideally suited to provide resilient, zero-emission power to critical infrastructure and high-uptime facilities. **Full Story**

11/07/2025 - Primary Hydrogen Identifies Two High-Priority REE Anomaly Clusters From Geophysical and Soil Sampling Survey at Wicheeda North Project
2025年11月7日　プライマリー・ハイドロジェン、ウィチーダ・ノースプロジェクトにおける地球物理学・土壌サンプリング調査から2つの高優先度REE（希土類元素）異常クラスターを特定
Calgary, Alberta– Primary Hydrogen Corp. is pleased to announce the identification of two significant rare earth element (REE) anomaly clusters following completion of comprehensive

Projects / プロジェクト

November 1 - December 2, 2025

geophysical and soil sampling surveys at its Wicheeda North REE Project ("Wicheeda North" or the "Project") in British Columbia. **Full Story**

11/07/2025 - MAX Power Begins Historic Drilling of Canada's First-Ever Natural Hydrogen Well
2025年11月7日　マックス・パワー社、カナダ史上初の天然水素井戸の掘削を開始
MAX Power Mining Corp. is pleased to announce that it has commenced drilling of Canada's first-ever Natural Hydrogen well at the Lawson target near the community of Central Butte on the 475-km-long Genesis Trend in Southern Saskatchewan. Drilling at Lawson kicks off a multi-well drill program on Canada's largest permitted land package for Natural Hydrogen exploration and development and is being carried out by a powerful Stampede Drilling tele-double rig featuring a total crew of 24 on two 12-hour shifts. **Full Story**

11/06/2025 - Mexican 'ultra-low-carbon' methanol project secures million-tonne offtake deal with Japanese buyer
2025年11月6日　メキシコの「超低炭素」メタノールプロジェクト、日本のバイヤーと年間100万トン規模の売買契約を確保
Pacifico Mexinol is expected to produce more than two million tonnes a year of green and blue methanol from 2029. Houston-headquartered Transition Industries has signed a conditional offtake deal with Mitsubishi Gas Chemical (MGC) for around one million tonnes of "ultra-low-carbon" methanol a year from its Pacifico Mexinol facility under development in the northern Mexican state of Sinaloa. **Full Story**

Mobility/Transportation / モビリティ／輸送

November 1 - December 2, 2025

11/25/2025 - Utility Global and Symbio North America to advance zero-emission H2 mobility
2025年11月25日　ユーティリティ・グローバルとシンビオ・ノースアメリカ、ゼロエミッション水素モビリティを推進へ
Utility Global, a U.S.-based leader in economic industrial decarbonization through innovative H2 solutions, and Symbio North America Corporation (Symbio), part of Symbio group, Europe's largest fuel cell technology developer and manufacturer, with HQ in France, announced that Symbio has received approval from the South Coast Air Quality Management District (South Coast AQMD) for a Clean Fuels Fund grant to design, develop, and demonstrate a H2 fuel cell refuse collection vehicle in the South Coast Air Basin. Utility will manage and oversee the H2

fueling logistics and operations throughout the one-year demonstration. Utility and Symbio have also entered into a strategic alliance to accelerate the adoption of zero-emission, H2-powered refuse trucks in North America. **Full Story**

11/19/2025 - Hyroad Energy Forms Strategic Partnership to Accelerate Hydrogen Trucking Operations in California
2025年11月19日　ハイロード・エナジー、カリフォルニア州での水素トラック事業加速に向け戦略的提携を締結
Hyroad Energy, a pioneer in hydrogen-powered transportation solutions, today announced a strategic partnership with Pacific Clean Fuels, Powered by Papé, and OneH2 to support one of California's largest hydrogen truck fleet deployments. Commercial operations are expected to begin in January 2026, advancing zero-emission freight along the state's busiest logistics corridor. As part of the partnership, Hyroad Energy will deploy some of its recently acquired fleet of 113 Nikola hydrogen fuel-cell trucks to serve key freight routes between the Ports of Long Beach and Los Angeles. OneH2, in partnership with Pacific Clean Fuels, is constructing a hydrogen refueling station in Long Beach that will supply fuel to Hyroad trucks under an exclusive agreement. **Full Story**

11/12/2025 - Ports of Los Angeles and Long Beach commit to 'bolstered' zero-emission initiative
2025年11月12日　ロサンゼルス港とロングビーチ港が「強化された」ゼロエミッション構想を推進へ
The Long Beach Board of Harbor Commissioners has issued a stamp of approval for a cooperative agreement with the South Coast Air Quality Management District (SCAQMD) and the Port of Los Angeles encompassing "time-bound and enforceable" commitments to develop zero-emissions infrastructure at the ports' complex. As disclosed, the cooperative agreement, which was officially greenlit on November 7, envisions that the ports of Los Angeles and Long Beach create and implement plans for zero-emission infrastructure for equipment types in three phases. A draft plan is to be developed in May 2027, followed by approved plans for all categories by the end of 2029. **Full Story**

11/11/2025 - HyOrc (HYOR) Enters North American Rail with Hydrogen-Ready Engine
2025年11月11日　HyOrc（HYOR）社、水素対応エンジンで北米鉄道市場に参入
HyOrc Corporation (OTC: HYOR), a clean-energy technology company developing multi-fuel engines and waste-to-methanol systems, today announced the signing of a Memorandum of Understanding (MOU) with Zeltech (Zero Emissions Locomotive Technologies) to jointly develop and deploy HyOrc's hydrogen-ready gas-engine locomotives in the United States. This dual focus on two high-growth, high-margin markets strengthens HyOrc's positioning as it advances toward its OTCQB uplisting and ongoing SEC reporting process, offering investors exposure to scalable clean-energy growth. **Full Story**

Technology/Research / 技術/研究

November 1 - December 2, 2025

11/17/2025 - BASF and ExxonMobil plan turquoise hydrogen plant in Texas
2025年11月17日　BASFとエクソンモービル、テキサス州にターコイズ水素プラントを計画
Chemicals company BASF and oil and gas firm ExxonMobil have unveiled plans for a demonstration plant that uses methane pyrolysis technology to produce up to 2,000 tonnes of low-carbon hydrogen and 6,000 tonnes of solid carbon product a year. The proposed plant would be located at ExxonMobil's Baytown complex in Texas and would use existing natural gas infrastructure. The two companies have signed a joint development agreement to co-develop the methane pyrolysis technology and advance it toward commercial scale. **Full Story**

11/13/2025 - Ohmium claims 50% iridium reduction in new PEM electrolyser
2025年11月13日　オーミウム、新型PEM電解装置でイリジウム使用量を50%削減と発表
US-headquartered PEM electrolyser maker Ohmium claims to have reduced its iridium use to a rate of one tonne per 18GW of installed capacity. The firm said it came as a result of stripping iridium use by 50% in its second-generation Lotus system, reducing overall system capital investments. Iridium is used as a catalyst in PEM electrolysers due to its high conductivity and resistance to acidic environments. However, the metal fetches around $4,500 per troy ounce, with only around 7–9 tonnes produced per year as a byproduct of nickel and copper mining. **Full Story**

11/04/2025 - Topsoe technology enables green ammonia production in the U.S.
2025年11月4日　トップソーの技術が米国でのグリーンアンモニア生産を実現
Topsoe, a leading global provider of advanced technology and solutions for the energy transition, announced today that it has been selected to deliver its dynamic ammonia loop technology, as well as proprietary catalysts and equipment, for Synergen Green Energy's ammonia project in the U.S. The first project, when operational, will be designed to produce 210,000 metric tons of ammonia annually and will avoid approximately 400,000 tons of CO_2 emissions - the equivalent of removing around 95,000 gasoline-powered passenger cars from the road for one year. The ammonia will be produced utilizing renewable electricity and used for the export market. **Full Story**

Investments, Mergers, Acquisitions / 投資、合併、買

November 1 - December 2, 2025

11/19/2025 Why Plug Power is suspending hydrogen projects backed by a US government loan

2025年11月19日　プラグ・パワー社、米国政府融資による水素プロジェクトを中断する理由を説明

Plug Power said it had suspended all work on projects supported by a $1.66bn US Department of Energy (DOE) loan guarantee during its Q3 results, signalling a step back from its capital-intensive hydrogen production build-out. The loan guarantee, secured in the final days of the Biden administration, was set to allow Plug to build up to six green hydrogen plants across the US, as it looked to build up supply for its material handling customers. However, outgoing CEO Andy Marsh linked the pause to a long-term grey hydrogen supply agreement with a "leading industrial gas company" and a broader reassessment of capital deployment. The unnamed partner will provide long-term volumes at predictable pricing, which Marsh said will "reduce the need for near-term self-development of new plants." **Full Story**

11/10/2025 Next Hydrogen to raise up to CAD $30m to 'fully realise' electrolyser technology

2025年11月10日　ネクスト・ハイドロジェン、電解槽技術の「完全な実現」のため最大3000万カナダドルを調達

Canadian electrolyser maker Next Hydrogen Solutions expects to raise at least CAD $20m ($14.3m) in a common share placement deal with investment firm Smoothwater Capital to "fully realise" its technology. The offering is expected to close around 28 November and is tabled to raise between CAD $20m and CAD $30m ($21.4m), with shares priced at CAD $0.45 ($0.32). Next plans to use the proceeds to accelerate sales and manufacturing of its alkaline hydrogen production technology. **Full Story**

11/03/2025 Ontario's new CAD $30m hydrogen fund targets grid integration and industrial use

2025年11月3日　オンタリオ州、電力系統統合と産業利用を目標に新規3,000万カナダドルの水素基金を設立

Ontario is launching a CAD $30m ($21.4m) hydrogen fund to accelerate hydrogen deployment across the Canadian province. Aimed at promoting projects to strengthen the province's economy and energy security, the government said hydrogen could help better manage peak energy demand through long-duration energy storage, as well as cutting emissions from heavy industries. The previous round awarded funding to 10 projects covering electrolysis, hubs, power plants, refuelling, storage, and blending. However, the new fund, split into two streams, will support the integration of low-carbon hydrogen into Ontario's electricity grid and hydrogen use in transportation, manufacturing, and heavy industries through hubs. **Full Story**