Gas to Power Journal
Peakload Power and Energy Storage

Focus on fossil vs green energy sources

Weekly News 13 February 2026

Indonesia looks to gas as coal exit efforts stall

Indonesia is increasingly turning to gas-fired power generation as delays undermine international efforts to accelerate coal plant retirements. The shift follows the government's decision in late 2025 to cancel early retirement of the 660 MW Cirebon-1 coal power plant, the Institute for Energy Economics and Analysis (IEEA) finds.

The cancellation of the Cirebon-1 shutdown has raised concerns about Indonesia's ability to deliver rapid coal phaseouts under existing legal and financial frameworks. "Coal retirement in Indonesia has proven far more complex than anticipated," an IEEA analyst said. "In the near term, gas is emerging as the most realistic option to reduce emissions while maintaining system reliability."

Funding too little, too late

International initiatives such as the Just Energy Transition Partnership for Indonesia (JETPI) were designed to unlock financing for coal retirements and clean energy. While JETPI partners have pledged US$21.4 billion, only about 14.5 percent of that funding has been approved so far.

"The funding gap and slow disbursement mean Indonesia is defaulting to what it knows," an IEEA analyst said. "Gas is filling the space left by stalled coal retirements and underdeveloped renewables."

Indonesia's sustainable finance taxonomy has added to the uncertainty. Its permissive definitions allow continued fossil fuel fi-

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Taiwan's CPC aims to more than triple US LNG purchases

Taiwan's state-run CPC Corporation plans to increase US LNG imports to 30-33 percent of its total supply in 2026, more than triple the 10 percent recorded last year. The move is part of a bilateral trade agreement, requiring Taipei to reduce the island nation's $111 billion trade surplus with the United States.

CPC chairman Fang Jengzen announced the plans at a media briefing alongside economy minister Kung Ming-hsin, who supports Taiwan's pivot away from its traditional main LNG suppliers, notably Australia. In recent years, about one-third of Taiwan's nearly 24 million tons of LNG imports per year has been shipped from liquefaction terminals Down Under.

The strategic shift supports Taiwan's revised energy mix, which in-

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CPC's second LNG terminal in Kaohsiung, Taiwan

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nancing without clear timelines, which analysts warn could confuse investors and weaken alignment with global standards.

Yet, natural gas can only play a transitional role. "Without clear limits and a credible pathway to scale renewables, Indonesia risks locking in another generation of fossil infrastructure," the IEEFA analysts warned.

Coal still supplies around 68 percent of Indonesia's electricity, and the energy sector accounts for nearly half of national greenhouse gas emissions. Despite legally binding commitments under the Paris Agreement and a renewed pledge in 2025 to reach net-zero emissions by 2060 or earlier, progress on renewables has lagged. As of December 2025, renewables accounted for just 15.75 percent of power generation. ■

UK auction delivers solar at half the cost of gas power

Today's largest ever clean energy auction in the UK has delivered 4.9 GW of new solar power capacity at a price of £65.23/MWh – under half the £147/MWh cost of building and operating new gas-fired power stations.

Taken together with offshore wind results, the government secures 14.7 GW of clean, homegrown power enough to power equivalent of 16 million homes. This puts the UK on track for its 2030 clean power target.

Offshore wind – both fixed and floating – provided the lion's share of capacity secured at auction, totalling 8.4 GW from 12 projects. Solar power capacity secured comes to 4.9 GW of solar power from 157 projects, along with 1.3 GW onshore wind from 28 projects, and 20.9 MW of tidal energy from four projects

"These results show once again that clean British power is the right choice for our country, agreeing a price for new onshore wind and solar that is over 50% cheaper than the cost of building and operating new gas [power stations]," said UK Energy Secretary Ed Miliband.

The projects are expected to unlock an additional £5 billion in private sector investment and support up to 10,000 jobs. Key projects successful at auctions include:

- Imerys Wind Farm in Cornwall – the largest onshore wind project in England in a decade, designed to help rebuild an industry that was stagnant under the de facto onshore wind ban.
- Sanquhar II Wind Farm in Dumfries and Galloway in Scotland – the fourth largest onshore wind farm in the UK.
- West Burton solar farm – a 'Nationally Significant Infrastructure Project' that is now the largest solar farm ever to win a government renewables contract. According to the government it will be "transforming the site of the last coal-fired power station into a powerhouse of clean, secure, homegrown energy that Britain controls."

Once built and generating, new clean, homegrown power secured today will reduce bills for households and drive down wholesale prices, while protecting families and businesses from fossil fuel price shocks that have triggered half of all recessions since the 1970s, the government said in a statement.

Funding through CfD scheme

Funding for the new clean powergen capacity is awarded through the government's Contracts for Difference (CfD) scheme. It provides developers with subsidies for projects across Britain with a built-in design to keep costs low for bill-payers.

During periods when wholesale electricity prices are higher than the fixed CfD strike price awarded, generators pay the difference back into the scheme, which can help to reduce energy bills.

This happened when wholesale electricity prices spiked during the energy bill crisis of 2022/23 in the peak winter demand period. At the time, CfD payments reduced the amount needed to fund government energy support schemes by around £18 per typical UK household. ■

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cludes a 50% target for gas-fired power generation and the subsequent need to expand LNG regasification capacity. The latest project is the Phase III extension at CPC's Taichung LNG terminal, which includes two new 180,000 kilolitres tanks.

In spring 2025, CPC signed a letter of intent with Alaska Gasline Development Corp to procure LNG and invest in the $44 billion Alaska LNG project. The 22 mtpa liquefaction project, backed by the US Trump administration, aims to develop and export North Slope gas resources to high-priced markets in Asia.

Glenfarne Group, lead-developer of the Alaska LNG project is targeting mechanical completion of the feeder pipeline, carrying North Slope gas, in 2028 and delivery of first gas in 2029. Construction of the actual LNG export terminal is planned for a subsequent second project phase.

The US Department of Commerce confirmed that the Taiwanese government is seeking credit guarantees of at least $250 billion to facilitate additional investment by Taiwanese enterprises, focussed on the energy sector as well as the establishment of a semiconductor supply chain in the United States. ■

ADNOC close to take FID on Rich Gas Development project

ADNOC Gas has announced it will take FID on Phase 2 and 3 of its Rich Gas Development (RGD) project in the first quarter of 2026, linking the move to a planned 30% rise in gas processing capacity by 2029 to underpin rising LNG exports.

The RGD programme, for which ADNOC Gas reached a first-phase FID, is designed to debottleneck and expanding key units at Asab, Buhasa, Habshan and the Das Island LNG export complex.

In its 2025 results released today, ADNOC Gas posted a full year net income of $5.2 billion, up 3 percent year on year, with fourth quarter net profit of $1.2 billion. Sales volumes increased 5% in the fourth quarter, driven by "resilient" domestic gas demand and rising seasonal LNG demand in the northern hemisphere.

ADNOC is still making most of its revenue and profits in the UAE market, but is striving to expand its LNG and liquids export business. In focus is long-term LNG and liquids sales to customers in Asia. In its latest investor guidance, the company said it expects 2025 sales volumes for the ADNOC LNG / ALNG joint venture in the 225-235 trillion British thermal unit (tBtu) range.

Capital expenditure at $3.6 billion increased in 2025 as several major projects progressed, notably Phase 1 of the RGD project which increases production of export-traded liquids from new, richer gas developments.

Works are also advancing on the ADNOC Estidama gas-pipeline project to enhance gas deliveries to industrial and electric utility customers in the Northern Emirates. ■

ADNOC LNG tanker

Vietnam awards $1bn contract for LNG-to-Power project

State-run Electricity of Vietnam (EVN) has awarded a contract worth nearly $1 billion to a consortium led by PowerChina and Lilama Corp for the construction of the Quang Trach II LNG-fuelled power plant. Situated in the central province of Quang Tri, the plant will have a total installed capacity of 1,612 MW.

Under the EPC contract, the PowerChina/Lilama consortium will be responsible for the design, engineering, construction and commissioning of the plant's main power generation units and auxiliary systems, which includes LNG feeder pipelines.

Staggered start-up

The 1,612 MW plant is scheduled to begin operations in phases, starting from 2028, subject to regulatory approval and the availability of regasified LNG.

Quang Trach II will source LNG through Vietnam's emerging import and regasification network. EVN underlined that fuel supply would mainly be based on long-term LNG import contracts.

"Quang Trach II demonstrates our capability in delivering complex LNG power projects that support regional energy transitions," PowerChina commented on the contract award. The operator ETN was quick to point out that LNG-fired generation helps reduce reliance on more emission-intensive thermal coal.

The Vietnamese government is seeking to accelerate LNG-to power development under Power Development Plan VIII, which prioritizes gas-fired generation to complement renewables and battery energy storage. ■

Render of Quang Trach II LNG-fuelled power plant

Mitsui close to buying stake in $17.5bn Qatar LNG expansion

Japanese trading company Mitsui & Co is in advanced negotiations to buy a minority stake in Qatar's North Field South LNG expansion, a 16 mtpa liquefaction project being developed at an estimated cost of $17.5 billion. The deal would give Mitsui access to one of the world's lowest-cost LNG developments.

QatarEnergy currently owns the lion's share, or 75 percent, of the North Field South expansion project, while Shell, ConocoPhillips and TotalEnergies share the remaining 25 percent. It is not yet disclosed whose equity would be diluted or sold should Mitsui join the project

North Field South is an integrated part of Qatar's giant North Field reservoir, estimated to contain more than 900 trillion cubic feet (Tcf) of recoverable gas, or roughly 10 percent of known global gas reserves. The NFS expansion is meant to boost the Emirate's LNG export capacity from currently 77 mpta to around 126 mtpa by early 2027.

For Japan, Mitsui's effort to take a stake in the NSF expansion is in line with recent long-term LNG purchase agreements. JERA, Japan's largest LNG portfolio player and power producer, just signed a contract to receive 3 mtpa for 27 years, with volumes supplied on a delivered ex-ship (DES) basis starting in 2028.

The projects' massive scale and low upstream costs have also attracted interest from other potential partners, notably Malaysia's Petronas. ■

Google’s Texas data center to be powered by 1 GW solar power

Google has signed two 15-year power purchase agreements (PPAs) to receive 1 GW of solar energy from TotalEnergies for its data centers in Texas. Turning solar power into a firm, long-term energy source for Big Data, is bound to curb incremental demand for gas-fired generation in ERCOT.

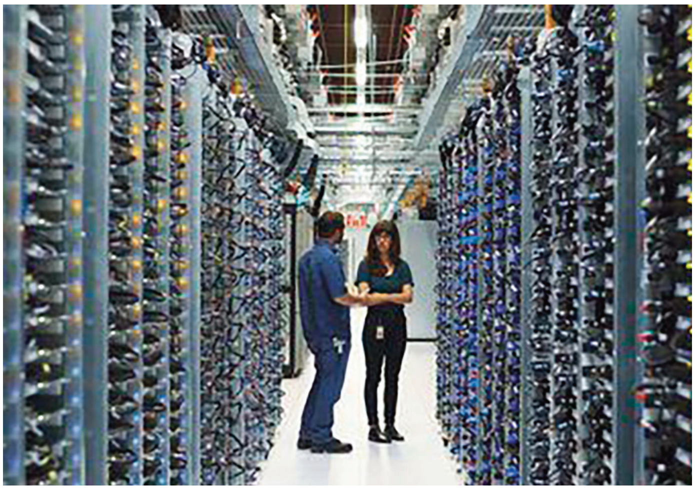
By directly underwriting utility scale solar additions in Texas, Google’s agreements effectively displace what would otherwise be largely gas-fired marginal generation during daylight hours – in a market where gas-fired plants still supply around half of annual electricity output.

The sustainable electricity will come from the Wichita and Mustang Creek solar farms, whose construction will start in the second half of 2026.

Going forward, the 1 GW of contracted solar will help cover a growing share of hyperscale data center load in ERCOT, reducing dispatch – and ultimately the profitability – of gas peaking plants.

Still, the inherent intermittency of solar means gas-fired plants remains critical to balancing the system, particularly during evenings, peak-price periods and prolonged heatwaves when electricity demand spikes.

The French utility pointed out its solar build-out in Texas, alongside its broader 10 GW onshore renewables and storage portfolio in the United States, is meant to help lowering average fossil fuel burn and emissions from the gas fleet – but not rendering it redundant. ■



Pacifico gets 7.65 GW power gen permit for GW Ranch Project

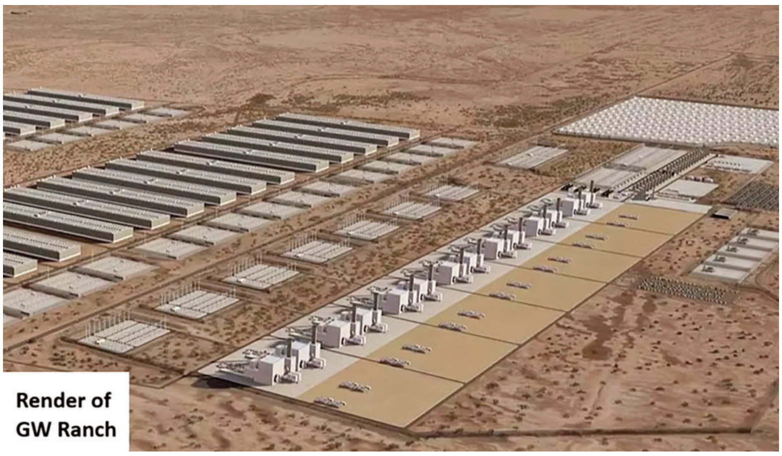
GW Ranch – a private grid powergen campus in West Texas – has received an air permit for up to 7.65 Gigwatt of gas-fired power generation capacity at GW Ranch. Developed by Pacifico Energy, the project will link multiple gas turbines with 1.8 GW of battery energy storage and 750 MWac of solar power.

The massive private-grid project will be delivered build-ready on an 8,000+ acreage with space for future expansion. Securing the TCEQ air permit allows project developers to start construction in due course.

First power targeted in H1-2027

Constantyn Gieskes, VP Project Development at Pacifico Energy called the TCEP approval a “defining milestone” for the project “With all site delineations complete, permits in-hand, and turbines secured, GW Ranch will provide customers with power in the first half of 2027 with a guaranteed pathway to scale to over 5 GW.”

As electricity prices rise across the US and large data center loads place growing pressure on regional grids, Pacifico’s development philosophy is intentionally designed to protect ratepayers. Utilizing a private-grid that combines natural gas turbines, solar, and battery storage, GW Ranch enables rapid AI and digital infrastructure growth – without impacting the electricity grid or increasing energy costs for Texans.



Render of GW Ranch

Fuel for the 7.65 GW of gas-fired turbines will come via multiple laterals, including a 1 billion cubic feet per day (bcf/d) direct pipeline stretching over 15-mile to Waha Hub. ■

NEWS NUDGES

NRG completes LS Power takeover

NRG Energy has completed the purchase of 18 gas-fired plant from LS Power with a combined capacity of around 13 GW. The deal also comprises LS Power’s virtual power plant (VPP) platform.

Advanced grid monitoring

Ampacion and AP Sensing have teamed up to develop and deliver solutions for overhead power line monitoring and capacity optimization. The two partners are combining complementary technologies to enable real-time condition monitoring and dynamic line rating.

R.Power secures project finance in Germany

R.Power, independent power producers in Poland and the CEE region, has secured its first-ever project finance financing on the German market. Financing, arranged by DAL and Deutsche Leasing, relates to the Klotze photovoltaic project with approximately 20 MW capacity.

TotalEnergies to supply 3.3 TWh baseload green power to Airbus

TotalEnergies has agreed to supply 3.3 TerraWatt-hours (TWh) of baseload renewable electricity to Airbus sites in Germany and the UK, starting from 2027. The companies said the contracted volumes would meet about half of the facilities' total electricity demand over the next decade, sourced from over 200 MW of renewable capacity combined.

In Germany, the Hamburg-Finkenwerder site, Airbus' largest with over 15,000 employees, handles final assembly of the A320 family alongside fuselage sections for A330 and A350 jets. Airbus' UK operations center on the wing manufacturing hub in Broughton, Wales and the wing design and testing center in Filton near Bristol.

The contracts align with the French company's strategy to build, own renewable assets, and sell electricity directly to clients. Stéphane Michel, TotalEnergies Gas, Renewables & Power President, called them exemplars of "turnkey clean firm power solutions" spanning multiple geographies, blending renewables with flexible assets for dispatchable supply.

The renewable PPAs deepen TotalEnergies' and Airbus' partnership which has been expanded into sustainable aviation fuel (SAF) production to cut aviation emissions. Airbus EVP Operations Florent Massou dit Labaquère emphasized the PPAs' role in securing "reliable low-carbon energy" amid rising regulatory pressure.

As of late 2025, TotalEnergies has a gross renewable capacity portfolio exceeding 32 GW across solar, onshore/offshore wind, and storage with ambitions to scale net electricity production beyond 100 TWh annually by 2030.

Similar corporate PPAs already power clients including Google, Amazon, Microsoft, Air Liquide, and Saint-Gobain. ■

Airbus site in Hamburg Finkenwerder

InterGen's plant gets GT26 upgrade

GE Vernova has completed upgrades on two GT26 gas turbines at InterGen's Coryton power plant in the UK. The project delivered 85 MW of additional capacity and a 2.46 percent efficiency gain.

The upgrade utilized technology breakthroughs across gas turbine, compressor and combustor which not only allow the turbine to generate more electricity more efficiently. It also helps reduce CO_2 emissions by around 67,500 tonnes annually.

Completion of the two GT26 turbine upgrades at Coryton brings the number of such HE upgrades in operation to eleven. The technology combines the best from both GE Vernova's F- and H-Class fleets with additive manufactured parts and innovations in aerodynamics, material science, and combustion dynamics

According to GE Vernova, that team "successfully completed more than 122,000 man-hours of work with an impeccable safety record, achieving zero recordable EHS incidents in this service and upgrade project."Outage and upgrade work at Coryton included borescope inspections on two generators and steam turbines, valve inspections, and electrical testing of all components. ■

Rolls-Royce launches modular gas engine plant at E-world

British engine maker Rolls-Royce has launched a modular gas engine solution capable of delivering up to 300 MW of electricity per site at the E-world trade show in Essen.

The pre-fabricated modules are rated at 10, 20 and 30 MW each, with grid connection possible within 12 to 18 months of order.

Fast, modular gas power stations are marketed as a step-stone to help implement the German government's long-delayed Power Plant Strategy. The gas-fuelled solution, designed by Rolls-Royce's mtu business unit, is hydrogen-ready. In addition to grid-balancing, the modular plants can serve as interim or bridging solutions that provides continuous power until a permanent grid connection becomes available. Once another baseload power source (e.g. nuclear) is in place, the gas engine gensets can shift to a standby or backup role. ■

Ansaldo Energia inaugurates Milan offices

Ansaldo Energia has opened a new office in Milan's Rho-Fiera district where is looking to recruit technical and management executives.

The new hub in Italy's financial capital Milan is meant to improve Ansaldo's proximity to major clients and deepen collaborations with universities, banks and industrial partners. Hiring plans foresee about 200 additional staff in Genoa by end 2025, taking headcount close to 2,600 executives.

The Genoa-based turbine and power equipment group reported a marked net improvement in financial and commercial performance in 2025, versus internal forecasts, due to stronger-than-expected orders. To sustain growth, Ansaldo's management hence announced €70 million of investment, within a broader envelope of more than €81 million in authorised Capex by 2026. ■

At the opening of Ansaldo's new Milan office

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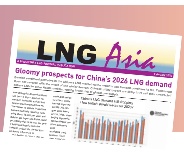

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