



Weekly News

18 July 2025

Philippine's LNG imports to jump over 500% on power sector needs

LNG imports to the Philippines are forecast to jump 508% between this year and 2029, pushing up electricity prices. Power generators are forced to burn LNG in the face of the fast-depleting Malampaya gas and condensate field.

Projections from the Philippine Energy Plan (PEP) show, the transition to LNG could cost some \$3.9 billion (PHP218 bn) over the next four years. This estimate excludes an additional \$1.5 billion (PHP83.7 billion) needed to build five new LNG import terminals. Altogether, LNG-related investments could amount to \$5.4 billion (PHP301.5 bn) by 2029 – adding to high electricity prices in the Philippines, which are already among the highest in Southeast Asia.

LNGPH, the Philippine's largest LNG importer under long-term contracts, in March sealed a 10-year LNG sales and purchase agreement (SPA) with Vitol Asia for the delivery of up to 0.8 mtpa of LNG.



FSU berths at AG&P's LNG import terminal

Shipments will commence this autumn, delivered to LNGPH's terminal in Batangas. Other SPAs are under negotiations.

Most of the imported LNG is designated for power generation – unsurprisingly given that LNGPH is a consortium of South

continued on page 2

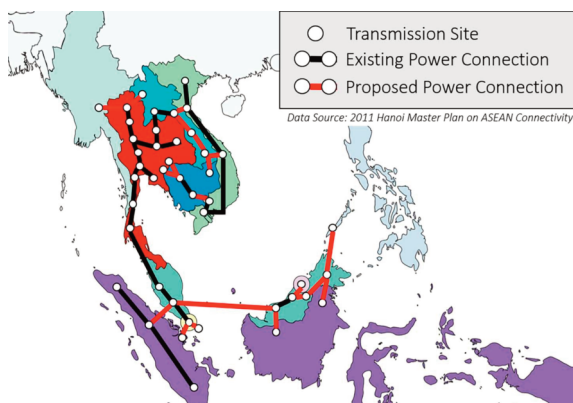
ASEAN takes strides towards a regional power grid by 2045

Members of the Association of Southeast Asian Nations (ASEAN) are investing millions in cross-border power links to integrate the regional grid by 2045. To date, 9 out of 18 cross-border interconnection projects have been completed, providing around 7.7 GW of transmission capacity.

The ASEAN Centre for Energy (ACE) recently secured a US\$7.7 million grant from the World Bank's Accelerating Sustainable Energy Transition (ASET) program. The funds will support feasibility studies and regional planning to expand the ASEAN Power Grid. A new ASEAN Interconnection Masterplan Study (AIMS III) is underway to guide long-term infrastructure development.

Under the Base Case, there will be 3,480 MW of grid-to-grid interconnection capacity by the end of 2025, expanding to 9,350 MW in 2040.

Full implementation of the ASEAN Power Grid (APG) could reduce electricity costs by up to 28%, increase GDP across member states by up to 15%,



Map of ASEAN power grid

and cut regional carbon emissions by 24% by 2040. Investment needs for grid infrastructure and generation upgrades are estimated at US\$700 billion over the next two decades.

continued on page 2

AGENDA

SUPPLY

Adriatic LNG delivers nearly half of Italy's LNG imports in H1-2025

2

INVESTMENT

Middle East LNG export ambitions require over \$50 billion in CAPEX

3

ONSITE POWER GEN

Wärtsilä engines to supply onsite power for Ohio data Center

5

Blackstone invests \$25 billions to power data centers

5

PROJECTS

Nhon Trach 3 LNG-to-power plant aims for Q3 start-up

7

ArcLight buys Ohio gas power plant (484 MW)

7

Continued from page 1, top story

Premiere Power Corp (SPPC) and Excellent Energy Resources, Inc. (EERI). These companies, in turn are affiliates of San Miguel Global Power, backed by Meralco and AboitizPower – leading producers of electricity.

Cargoes delivered under the Vitol SPA can be landed and regasified at various terminals in the Philippines. LNGPH will then sell the regasified LNG to two large power stations: a 1,200 MW combined-cycle plant, operated by SPPC, and a 1,275 MW combined-cycle plant run by EERI. Together, these two CCGTs generate approximately 18% of Luzon's electricity needs.

Term SPAs vs hub-indexed short-term imports

Term LNG imports are bound to rise in line with dwindling domestic gas resources. An analysis of Zero Carbon Analytics and the Center for Renewable Energy and Sustainable Technology (CREST) finds that LNG imports are set to increase by 508% over the coming four years – with most of this volume sourced under traditional long-term SPAs, often linked to prices.

Spot LNG cargoes are another option for fuelling power stations. First Gen, another large Philippine power producer, almost exclusively relies on spot LNG, sourced from

Shell Eastern LNG, CNOOC, Trafigura, and TotalEnergies. First Gen has no long-term SPAs in place, but the company is in contract negotiations for short-term hub-indexed LNG imports.

In any event, more gas is needed in the Philippine energy mix. Natural gas – both domestic and imported – currently make up some 22% of the country's power mix, with more than 99% of domestic supply coming from the Malampaya gas field. Solar PV, paired with battery storage solutions may well cover a rising share of the country's electricity needs as the green energy transition progresses. ■

Adriatic LNG delivers nearly half of Italy's LNG imports in H1-2025

Volumes regasified and delivered by Adriatic LNG terminal reached a record 44% of Italy's LNG imports in the first half of this year, amounting to about 10.3 billion cubic meters (bcm) – a 35% rise compared to the pre-year period. Adriatic LNG is Italy's third most important gas entry point after pipelines from Algeria and Azerbaijan.

The terminal received 39 LNG carriers, mainly from Qatar and the United States. Since the start of operations in 2009, Adriatic LNG has received more than 1,170 carriers of LNG from over 10 countries and delivering over 105 bcm of gas.

In May, when the Adriatic LNG terminal achieved its best-ever monthly performance for regasified and delivered gas: 825 mmcm, equivalent to the annual gas consumption of the entire province of Padua or Treviso.

Situated in the northern Adriatic Sea. In total, Adriatic LNG delivered 4.5 bcm of natural gas, equal to 14% of national gas demand, confirming its position as third most important gas entry point after pipelines from Algeria and Azerbaijan.

Natural gas imported via Adriatic LNG amounted to a record 4.5 bcm of natural gas, equal to 14% of national gas demand. In the first half of this year, 44% of Italy's

LNG imports. The Adriatic regas terminals contribution to Italy's national energy system continued to grow, recording a notable 2.2% increase. ■



Adriatic LNG terminal, a gravity-based offshore structure

Gas to Power Journal

Publisher
Stuart Fryer

Editor
Anja Karl
anja@gastopowerjournal.com

Advertising
Narges Jodeyri
narges@lngjournal.com

New Business & Databases
Stephan Venter
Tel: +44 (0) 207 017 3407
venter@gastopowerjournal.com

Subscriptions
Margarita Tokere
Tel: +33 (0)7 67 62 58 77
margarita@gastopowerjournal.com

Layout & Production
Vivian Chee
chee@thedigitalship.com

Continued from page 1

High capital cost, different regulation, risks environmental risks from hydropower projects, and technical challenges related to undersea cabling, however, pose major barriers to swift project implementation.

Fresh momentum is hoped to materialise through the expanding private investment in the region. Singapore-based RGE and France's TotalEnergies announced a solar and battery energy storage project in Indonesia's Riau Islands in May 2025. The project, expected to begin operations in 2027, will export power to Singapore via a

subsea cable.

Singapore regulators, together with the IEA held a capacity-building program in May 2025 for over 200 energy regulators. The sessions addressed cross-border electricity market design, regulatory frameworks, and investment strategies. A technical workshop co-organized by the Economic Research Institute for ASEAN and East Asia (ERIA) and ACE in June 2025, meanwhile, reviewed the use of artificial intelligence, smart grids, blockchain, and storage technologies in grid integration. ■

Middle East LNG export ambitions require over \$50 billion in CAPEX

By 2028, the Middle East envisages to add 60 mtpa of new LNG export capacity and developments will require more than \$50 billion in capital spending, Rystad Energy forecast. Qatar will lead the expansion with 48 mtpa alone through its North Field East and North Field South projects, the UAE will contribute 10 mtpa from the Ruwais LNG project, and TotalEnergies is developing the Marsa LNG project with a capacity of 1 mtpa in Oman.

Most new volumes of LNG produced in Qatar and the UAE are designated for Asian and European buyers, though contracts demonstrate a strong preference for Asian markets.

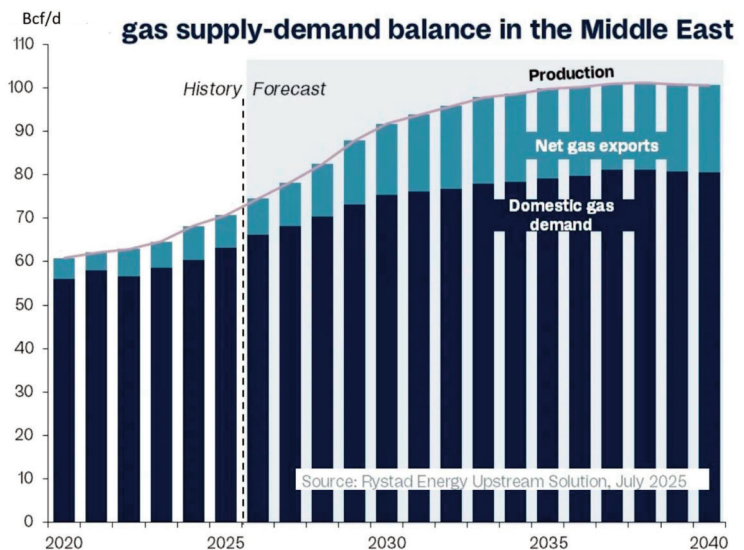
Sales and purchase agreements (SPAs) have surged in numbers, peaking at about 21 mtpa between 2027 and 2030, analysts noted. Chinese national oil companies (NOC) are first in line in securing term contracts for LNG from the Middle East, along with global energy majors and some commodity traders.

Rise in production requires Brent above \$70/bbl

Middle Eastern upstream companies aim for steady annual production increase of around 6%, with total output projected to reach 90 Bcfd by the end of the decade. A significant portion of this expansion will come from new projects that can produce gas at a cost-effective level of less than \$5 per thousand cubic feet.

Oil majors in the Middle East are determined to monetize gas reserves and develop export potential. Natural gas production in the Middle East is on track to rise 30% by 2030, from currently 70 Bcf/d, thanks to large developments in Saudi Arabia, Iran, Qatar, Oman, and the UAE. These forecasts hinge, however, on Brent oil prices holding at \$70 per barrel and oil-indexed gas prices hovering at the range of \$7-9 per MMBtu.

By 2030, Rystad Energy anticipates the region will add another 20 Bcfd in output,

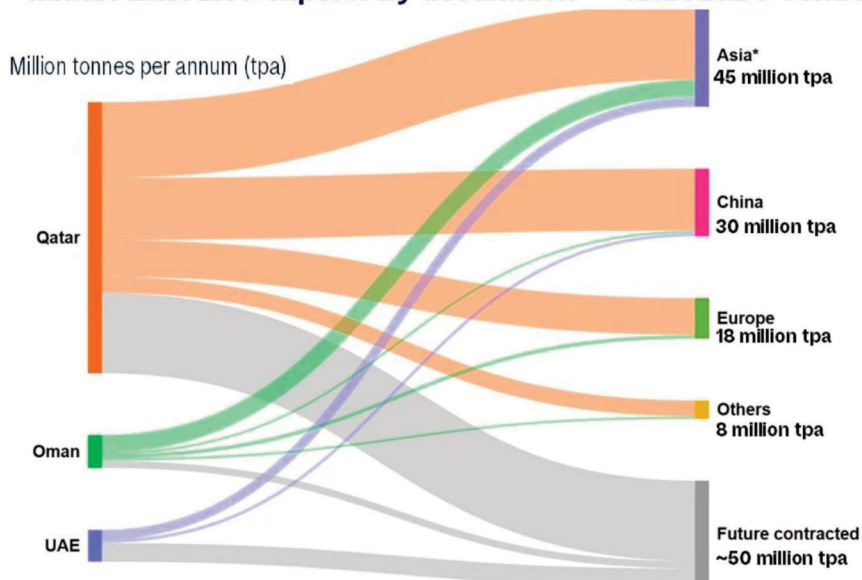


equivalent to half of Europe's entire gas demand as of today. This outlook hinges, however, on attractive prices:

"If crude oil prices fall below \$6 per MMBtu, new projects could be delayed, and expected volume growth by 2030 could decrease from 30% to 20% or less," analysts warn, with the actual drop in both oil and gas production depending on the severity and duration of the price decline.

If crude oil prices fall below \$6 per MMBtu, new projects could be delayed, and expected volume growth by 2030 could decrease from 30% to 20% or less

Middle East LNG exports by destination ** and future contracted volumes



Low break-even costs

"A drop below \$6 per MMBtu is not ideal for investments, but Middle Eastern projects remain highly resilient due to their low breakeven costs, typically below \$5 per thousand cubic feet," explained Rahul Choudhary, Vice President, Upstream Research at Rystad Energy.

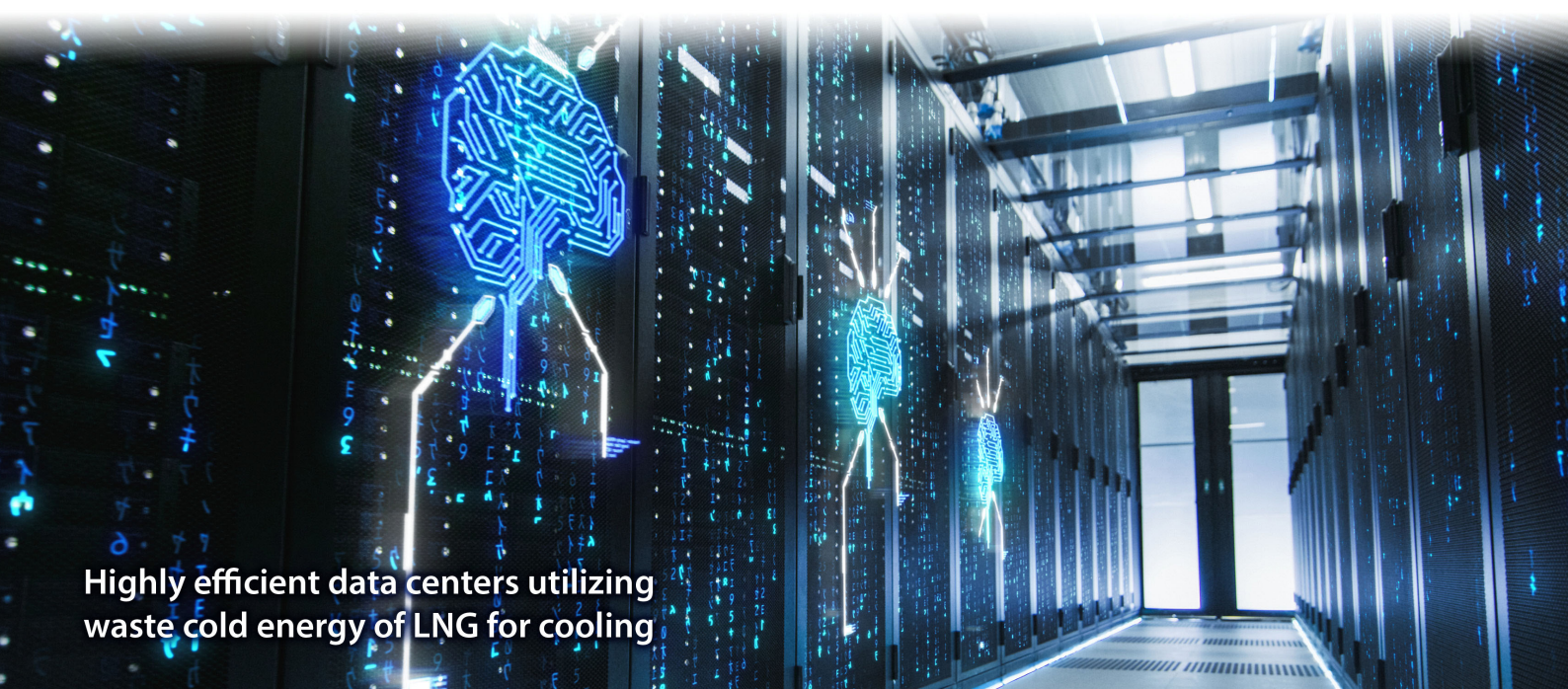
Should price fall and stay low for a longer period, analysts still expect production growth to stay comparatively strong in the region. Choudhary is confident that "while some final investment decisions could be delayed in such a scenario, the overall impact on output should be limited."

Fast Solution for all your LNG Storage & Transport needs.



Factory-built 1,200+ m³ LNG Tanks

We build: Cryogenic Storage Tanks, Intermodal ISO Tank-Containers, Marine Cargo Tanks, Peak-Shaving Plants, LNG Terminals, and
LNG-Cooled AI Data Centers.



Highly efficient data centers utilizing waste cold energy of LNG for cooling

Call or e-mail us to find out how your company can benefit from our comprehensive natural gas products and services today.

www.CorbanEnergyGroup.com

CORBAN ENERGY GROUP



T. 201.509.8555 info@corbanenergygroup.com

418 Falmouth Avenue, Elmwood Park, NJ 07407, USA

Rolls-Royce invests \$75 million in South Carolina mtu engine plant

mtu Series 4000 production at Aiken, South Carolina, will be expanded through a \$75 million investment by Rolls-Royce. The move follows a \$24 million expansion of the company's Mankato, Minnesota facility, in response heightened pressure on the US electric grids due to the rapid growth of data centers.

Projected US data centers are getting bigger, more expensive and more energy-hungry with capacity exceeding 92 GW at the end of last year. Monthly growth has been linear – not

exponential – but surpassed 7 GW in the fourth quarter and keeps rising 227 MW per month.

Mega projects are driving Capex, with 13 projects coming in at more than \$4 billion, with Virginia and Texas remaining the preferred US states for data centres, though new markets such as Louisiana, Mississippi, Wisconsin and West Virginia are also targeted for major campuses.

Demand for backup generators, built by mtu and rival manufacturers, has grown consider-

ably over the past decade. The mtu Series 4000 engines, for instance, that power such systems are built in Aiken and then assembled into complete generator sets in Mankato. Rolls-Royce's investment to expand both plants could create up to 60 new jobs throughout the United States with a total of 434 full-time positions at the facility in Aiken. ■



mtu Series 4000 factory at Aiken, South Carolina

NEWS NUDGES

Blackstone invests billions to power for data centers

Blackstone has announced plan to invest \$25 billion in developing data centers and power plants in Pennsylvania in partnership with a regional electric utility. Chief Operating Officer (COO) Jon Gray specified several sites have been singled out, envisaged to several gas-fired power stations in close vicinity to the data centers.

INNIO. Gföller set up JV in Florida

IGPS, short for INNIO Gföllner Power Systems has been launched to manufacture gas engines in the US. Situated in Fort Pierce, Florida, the IGPS plant is expected to begin operations later this year, supporting INNIO's Jenbacher gas engine product line amid growing demand for decentralized power. The power modules will include U.S.-built enclosures for engines ranging from 250 Kw to 1.5 MW.

Evergy hikes rates to finance 1.4 GW of new capacity in Kansas

Evergy, an electric utility serving Kansas and Missouri, has received regulatory approval to raise rates by 8.6%. This rate adjustment will help finance 1.4 GW of new electricity generation capacity. The two combined-cycle projects – Viola and McNew, will have a capacity of 710 MW each. The Viola CCGT is expected to enter commercial operation in early 2029, followed by McNew CCGT in 2030. Capital investment is projected to be in the range of US\$1.7 billion, plus a further US\$230 million for the Kansas Sky Solar project, scheduled to be operational by December 2026. ■

Wärtsilä engines to supply onsite power for Ohio data center

Finish technology group Wärtsilä has secured an order to supply 282 MW of gas-fired engine capacity to power for a new data center project in Ohio. Fifteen 18V50SG engines are on order, set to provide electricity directly to the data center with equipment deliveries starting in late 2026.

The engines and related equipment will be delivered in phases, continuing into 2027. With this project, Wärtsilä will exceed 6,000MW of total delivered capacity in the United States.

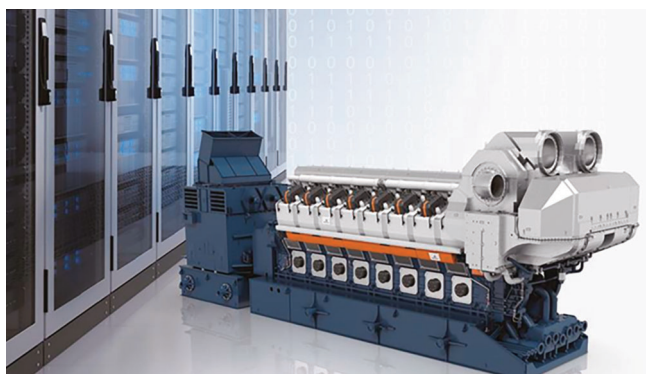
Data centers are the backbone of today's digital economy, but they consume huge amounts of electricity. Their high electric load requirements put grid operations at the brink of collapse, due to the limitations and inefficiencies of traditional supply grids. Decentral, onsite power generation empowers data centers, as they no longer solely rely on electricity purchased from the grid.

Grid connection delays

"Data center developers are facing increasing time-to-power challenges due to grid connection delays. Wärtsilä's short lead time

for engine manufacturing provides data center customers with faster power solutions than others," claims Risto Paldanius, Vice President, Americas at Wärtsilä Energy.

Modular engine design enables efficient construction. "Quick access to power combined with high reliability, fuel efficiency and exceptional heat resilience, which enables optimal engine operation under high temperatures, make Wärtsilä engines the ideal power supply for data centers," he noted. ■



Wärtsilä 18V50SG engine

Gastech

EXHIBITION & CONFERENCE | 9-12 SEPTEMBER 2025 | MILAN, ITALY

 AI::Energy |  Climatetech |  Hydrogen

Co-Hosts



ExxonMobil



Powering a sustainable energy future



Attend the world's largest exhibition and conference for natural gas, LNG, hydrogen, climate technologies, and AI in energy

50,000
Attendees

1,000
Exhibitors

1,000
Speakers

7,000
Delegates

150
Countries
represented



BOOK A VISITOR PASS
gastchevent.com

Under the Patronage of



City Partner

YESMILANO

Host Associations



Host Venue



Organised by

dmg events

gastchevent.com @gastchevent #Gastech    

Vietnam's Nhon Trach 3 LNG-fuelled power plant to start up in Q3

PetroVietnam Power is preparing to start up the Nhon Trach 3 power plant in the third quarter of 2025, while Nhon Trach 4 is scheduled to start commercial operations by the end of this year. Capital expenditure (CAPEX) for developing the two LNG-fuelled power plants comes to US\$ 1.4 billion, financed under a 75:25 debt vs equity ratio.

To get these two large integrated LNG import and power gen projects off the ground, PV Power financed US\$434 billion via its own balance sheet – complemented US\$1.05 in debt financing arranged through a series of loans with Vietcombank, SMBC, Citi and ING.

Together, the two plants will have 1,642 MW of generating capacity combined, enough to supply some 8 Terawatt-hours (TWh) of electricity to the Vietnamese power grid.

Start-up of Unit 3 in November

Nhon Trach 3 has been generating some electricity since early February, when its commissioning process started. Now, the plant is in the middle of its trial phase before entering full commercial operations in the third quarter. Start-up is scheduled for early November 2025.

Unit 3 and 4 of the Nhon Trach power



PV Power's Nhon Trach power plant

complex will be the first units in Vietnam to run exclusively on imported LNG. In contrast, the Phu My 3, Phu My 2.1 and Phu My 4 facilities only use LNG for short periods during the year, when cheaper pipeline gas is running low.

Looking ahead, PV Power is preparing to develop a second LNG-fuelled power plant – the US\$2 billion Thai Binh LNG Power project. Construction for this plant is intended to start in December this year, aiming for a start of commercial operations in 2030. ■

ArcLight buys Ohio gas power plant (484 MW)

ArcLight Capital Partners has agreed to fully acquire Middletown Energy Center, a 484 MW combined-cycle gas power plant situated in Butler County, Ohio. The value of the deal was not disclosed and the transaction is expected to close in the autumn of 2025.

Commissioned in 2018, Middletown Energy Center is one of the newest and most efficient facilities in the PJM Interconnection, the largest wholesale electricity market in the U.S. The CCGT is powered by GE 7HA.02 gas turbines and provides dispatchable baseload power which plays a crucial role in stabilising the grid in the face of rising intermittent power supply from the fast renewables build-out across PJM.

ArcLight's acquisition of the 484 MW fast-ramp plant comes at a time of rising electricity demand in the Midwest due to the booming regional data center market. According to the U.S. Department of Energy, data centers consume about 2% of U.S.

electricity, a figure expected to double by 2030. With Amazon, Google, and Microsoft investing in Ohio-based facilities, the industry needs dependable, around-the-clock electricity.

"With increasing demand for digital infrastructure, Ohio has emerged as a premier hub for data centers. Middletown Energy Center is well positioned to meet the substantial electric infrastructure needs of this vital sector," said ArcLight partner Angelo Acconcia.

As US energy infrastructure investor, ArcLight owns or controls over 65 GW of power gen

ACWA Power signs \$10 billion deals for energy projects in Indonesia

Saudi developer ACWA Power has signed agreements – valued at up to \$10 billion in CAPEX – to develop 500 MW clean power gen capacity, including hydrogen co-fired power plants, green hydrogen plants paired with solar power, and desalination projects in Indonesia.

The landmark agreements were sealed with Danantara Indonesia, the sovereign wealth fund's investment management body and state-owned energy company PT Pertamina.

Focus on H2 exports

For PT Pertamina, there is urgent need for 500 MW of new renewable and gas-fired power capacity. Lead times are estimated at 18–30 months, depending on asset type and permitting cycles. Pertamina's collaboration with ACWA spans operations and maintenance across all project sites.

Joint bids for new electricity tenders are already in the making.

Thinking strategically, the Saudi energy giant will co-invest in green hydrogen infrastructure to serve regional demand in Indonesia – but more so to export the green fuel abroad.

Export-oriented hydrogen solutions, powered by on solar PV, are again in focus for projects with Danantara Indonesia, along with some CCGTs to maintain a stable supply of electricity. First commissioning for these projects expected by late 2026. ■

capacity and more than 47,000 miles of electric and natural gas transmission assets. The company claims it manages the largest private power infrastructure portfolio in North America. ■



View of Middletown Energy Center

LNG Journal Subscription Package

Your LNG Journal subscription includes broad coverage of LNG across the globe – from trade and shipments through to LNG prices, plus in-depth technical coverage. With over 20 years of LNG reporting experience, we remain the market leading source of information for decision makers in the LNG industry.

LNG Daily News

Delivered to your inbox and online



LNG Journal

The flagship LNG monthly



LNG Unlimited

Your fortnightly summary of LNG news



LNG Market Tracker

Weekly empirical insight into the LNG market



LNG North America

Bi-monthly report on LNG in the US, Canada



LNG Transition

Quarterly in-depth look at LNG as a transition fuel



LNG Shipping News

Fortnightly coverage of LNG shipping



LNG China

Bi-monthly review of LNG in China



LNG Monthly Markets

Key developments in LNG markets



Gas to Power Journal

Peakload power and energy storage



Subscription Contacts

For new subscriptions or general subscription queries please contact:

Stephan Venter
venter@lngjournal.com
+44 207 017 3407

To renew an existing subscription or to upgrade your package, please contact:

Gabi Weck
gabi@lngjournal.com

*Sign up now for an Online Subscription at only
US\$1240; €960 or £860*

Discount options are available for multi-users

Contact us for more information or to arrange a free trial