WORLD POWER SYSTEMS REVIEW

15 April 2026

1 April 2026

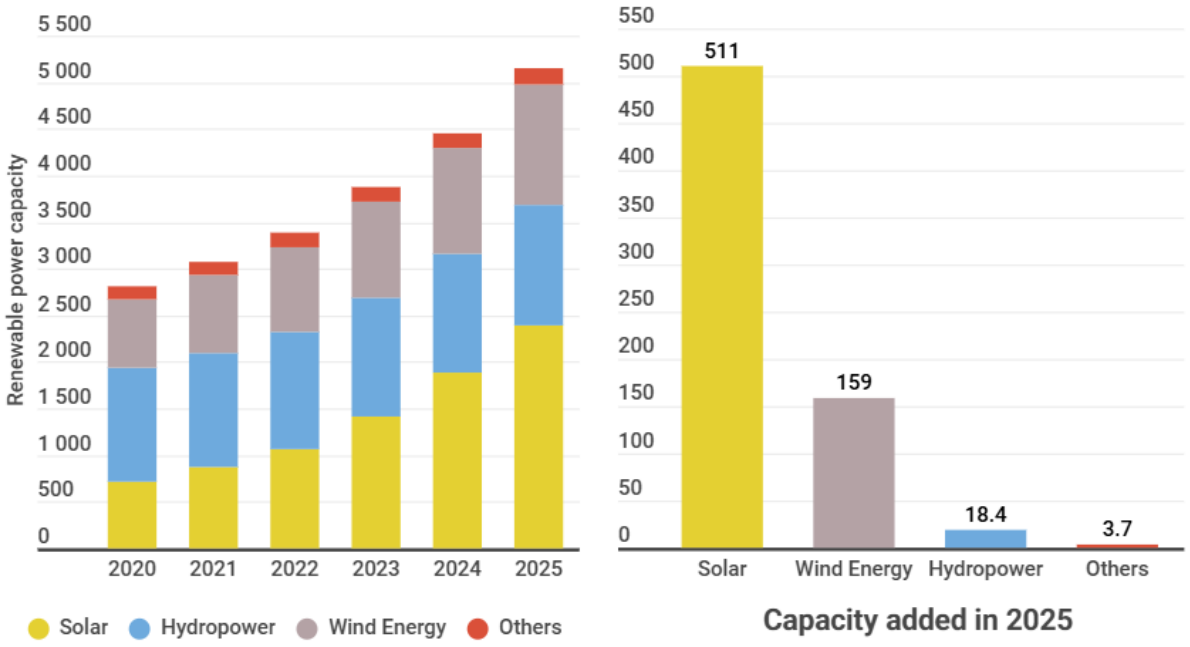
2025 marks another record for installed global capacity, signaling countries to strengthen energy security with domestic renewable sources.

2025 saw total renewable power capacity reach 5149 gigawatts (GW) after the addition of 692 GW, or a 15.5% of annual increase, according to new report by the International Renewable Energy Agency (IRENA). The Renewable Capacity Statistics 2026 also finds renewable energy dominates the total capacity expansion at 85.6% share, while non-renewables continue to account for a smaller share of additions.

Geopolitical tensions are once again thrusting energy into the global spotlight. Escalation in the Middle East raises fresh concerns over supply security and fossil fuel price volatility. Against this backdrop, renewable energy is gaining attention to build more resilient systems that are less vulnerable to international shocks. As renewables are homegrown, low-cost and can be deployed immediately, increasing their share in national energy systems can reduce exposure to international fuel markets.

Commenting on the findings, IRENA Director-General, Francesco La Camera said, “In the midst of uncertain time, renewable energy remains consistent and steadfast in its expansion. This not only indicates market preference but also makes a strong case for renewable energy resilience with brutal clarity. A more decentralised energy system, with a growing share of renewables and more market players, is structurally more resilient. Countries that invested in the energy transition are weathering this crisis with less economic damage, as they boost energy security, resilience and competitiveness.”

In line with the previous year, solar energy led the increase, accounting for 511 GW or approximately 75% share in the total renewables capacity addition. Wind energy followed suit, adding 159 GW. Together, solar and wind accounted for 96.8% of all net renewable additions last year, reflecting the biggest cost decrease among all renewable technologies. Bioenergy took the third place with 2.3% annual growth, adding 3.4 GW to total renewable energy expansion.



The report also confirms, however, the persistent and significant disparities amongst countries and regions. Asia continued to lead with a 74.2% contribution to all new renewable

capacity; the 513.3 GW additions represent a growth rate of 21.6%. Africa recorded its highest capacity increase, rising by 15.9% or adding 11.3 GW, driven by Ethiopia, South Africa, and Egypt. Another region that experienced its largest annual growth is the Middle East, which increased by 28.9%, led by Saudi Arabia.

In terms of total global capacity, Asia unsurprisingly keeps its top position with 2 891 GW of total renewables capacity, followed by Europe which recorded 934 GW in total. Central America and the Caribbean had the lowest renewables capacity with a total of 21 GW in 2025. This disparity exposes the vulnerability of economies with low share of renewables, and underscores the urgent need to increase the share for their energy security.

Technology highlights:

- Solar energy: solar photovoltaics accounted for 510.3 GW out of 511.2 GW of total solar power additions in 2025.
- Renewable hydropower (excluding pumped hydro): 18.4 GW was added in 2025, with 96% of the increase coming from China. Ethiopia, India, Tanzania, Bhutan, Viet Nam, Canada, Austria, Indonesia and Nepal, respectively added more than 0.5 GW.
- Wind energy: capacity grew by 14% from 2024, with record additions of 158.7 GW in 2025. China accounted for nearly three-quarters of the expansion, adding 119.4 GW, while India saw an increase of 6.3 GW.
- Bioenergy: capacity increased by 3.4 GW, led by Japan, which more than doubled its bioenergy capacity expansion from 2024, adding 1.1 GW in 2025. China followed with capacity additions of 0.8 GW and Brazil with 0.6 GW additions.
- Geothermal energy: capacity grew at a similar rate to the previous year at 1.7%, adding 0.3 GW in 2025. The Philippines and Indonesia each contributed 0.1 GW of the additions, followed by Germany, Türkiye and Japan.
- Off-grid electricity (excluding Eurasia, Europe and North America): expanded by 1.7 GW, led by solar power with 1.5 GW. A broad range of bioenergy types added 0.2 GW to the total addition of off-grid capacity.

IRENA
http://www.irena.org/

1 April 2026

Construction work officially begins on $3-billion wind farm northeast of Quebec City

Construction on a major wind farm northeast of Quebec City has been officially launched, with an investment of $3 billion.

The first two phases of the Des Neiges wind farm — the southern sector and the Charlevoix sector — will comprise a total of 114 turbines and generate 800 Megawatts of wind energy, enough to power 140,000 homes. The project by Quebec's hydro utility, Boralex, and Énergir — the largest natural gas distributor in the province — is to be located on the grounds of the Séminaire de Québec in the Charlevoix region.

The third phase, if completed, will bring the farm's output to 1,200 Megawatts and contribute Hydro-Québec's goal of adding 10,000 MW of wind power to its current portfolio of 4,000 MW by 2035. When the two first phases are ready, Hydro-Québec has agreed to pay developer Boralex and its partners less than 7.8 cents per kilowatt-hour, but the utility didn't want to release specific figures. The Des Neiges south project is scheduled to come online by the end of 2027, while the Charlevoix sector is targeted for late 2028. Quebec Premier François Legault was on hand for the launch and said, "If we act intelligently, the next century could be Quebec's century from an economic standpoint."

"Energy is the most important global issue. Every country, including Donald Trump's country, is seeking energy," he told reporters in Beaupré, Que., referring to the United States. "It's a race currently taking place around the world."

About ten wind farms are currently under development across Quebec, noted Hydro-Québec president Claudine Bouchard.

Representatives from the Innu and Wendat communities attended the news conference and praised the initiative. Wendat Chief Pierre Picard spoke of a "respectful partnership process." The two phases will employ 500 workers during the construction period. The wind turbines will be 200 meters tall and have a capacity of 7 MW each. The area where the farm will be located covers 1,600 square kilometres.

Times Colonist
http://www.timescolonist.com/

7 April 2026

India installs record-high 6.05 GW of wind energy in FY 2025/26

India has put on stream 6.05 GW of new wind power generation capacity in the fiscal year ended March 2026, registering its highest-ever annual capacity deployments.

With the newly commissioned capacity, the country's cumulative installed wind power capacity has surpassed 56 GW, the Ministry of New and Renewable Energy said on Monday.The new additions in fiscal 2025/26 exceed the previous high of 5.5 GW from fiscal 2016/17 and account for a 46% increase in annual terms. According to the government, the rise is a signal for "decisive acceleration in India's onshore wind deployment trajectory," reflecting improved policy clarity and project execution, transmission readiness, competitive tariff discovery and a strong project pipeline.

The major drivers for the latest jump are the states of Gujarat, Karnataka and Maharashtra, where the pipeline of wind-solar hybrid projects swells along with the roll-out of open access capacity. India is pursuing a goal of having 500 GW of non-fossil fuel-based energy capacity by 2030.

Renewables Now
http://renewablesnow.com/

7 April 2026

South Korea to almost triple renewable energy capacity to 100GW by 2030

South Korea has announced plans to almost triple its operational renewable energy capacity from 37GW today to 100GW by the end of the decade.

The plans were presented by Kim Seong-hwan, minister of climate, energy and environment, to the government yesterday. Eunhae Jeong, director general for international affairs at the Ministry of Climate, Energy and Environment, said that the plan would aim for renewable energy to account for 20% of the country's electricity generation by 2030, up from just 10.8%—including solar, wind, hydropower and biofuels—as of 2025.

PV Tech
http://www.pv-tech.org/

8 April 2026

New Jersey ends de-facto nuclear power plant moratorium

New Jersey lifted a de-facto moratorium on new nuclear energy on Wednesday in the state, which is struggling with some of the fastest-rising power bills in the U.S. as electricity demand outpaces the addition of new supplies.

Governor Mikie Sherrill signed legislation that removes a permitting requirement that effectively banned the development of nuclear power for decades because it required a method of radioactive waste disposal that was impossible to meet, Sherrill's office said in a statement. The state, instead, will allow permits for radioactive waste storage that are compliant with federal nuclear regulatory standards. The action paves the way for nuclear

energy to be built in the Garden State, where Sherrill took the top government seat in January after campaigning on the promise of lowering utility bills.

"For costs to come down, we need more energy supply," said Sherrill. "New Jersey is well-positioned to be a leader in next-generation nuclear energy to help bring that supply, and we are open for business."

The governor's office also established a task force to explore New Jersey's potential for building new nuclear energy. Members of the task force come from a range of state government departments, as well as utility PSE&G, nuclear plant part manufacturer Holtec, labor unions and environmental groups. New Jersey is among 13 states in the Mid-Atlantic and Midwest that are connected to a regional grid that has been inundated with electricity supply requests from data centers. Over the past decade, however, net new power supplies in the region have decreased.

Reuters
http://www.reuters.com/

8 April 2026

NERC is 'actively monitoring the grid' following Iran-linked cyber threat

Hackers have disrupted critical U.S. infrastructure by targeting programmable logic controllers, the Cybersecurity and Infrastructure Security Agency warned.

Dive Brief:

- Hackers "affiliated" with Iran have been targeting programmable logic controllers, or PLCs, used in critical sectors including power grid operations, the U.S. Cybersecurity and Infrastructure Security Agency warned in an advisory Tuesday. The advisory went out to the energy sector, along with water and wastewater and government services and facilities sectors, as the U.S.-Israeli war against Iran entered its sixth week.
- CISA said the hackers were "conducting exploitation activity" targeting operational technology, including PLCs, leading to "disruptions" of the controllers "across several U.S. critical infrastructure sectors."
- The North American Electric Reliability Corp. said it is "actively monitoring the grid" and coordinating with the U.S. Department of Energy and the Electricity Subsector Coordinating Council. A ceasefire announced after the advisory went out appeared to be holding early Wednesday, but the outcome of negotiations remains uncertain.

Dive Insight:

"Iranian-affiliated [advanced persistent threat] targeting campaigns against U.S. organizations have recently escalated, likely in response to hostilities," CISA said.

Hackers disrupted PLCs through "malicious interactions" with software and configuration settings, and by manipulating data on human machine interface and supervisory control and data acquisition displays, "resulting in operational disruption and financial loss," the advisory said, without providing details about the target or targets.

The agency, which sits within the Department of Homeland Security and coordinates critical infrastructure security and resilience, said U.S. organizations should "urgently review" tactics hackers may use to compromise the controllers and warningsigns that a system has been compromised.

CISA's security advisory was jointly issued with other federal entities, including the National Security Agency and DOE. It did not say what sectors had experienced disruptions.

The alert was issued as tensions between Iran and the U.S. escalated ahead of a Tuesday evening deadline set by President Donald Trump, who threatened to bomb Iranian power plants and other civilian infrastructure.

Electric utilities are on high alert, but maintain this is familiar territory, according to the Edison Electric Institute, a trade group representing investor-owned utilities.

"The threat of cyber and physical attacks targeting critical infrastructure is not new," Jennifer DeCesaro, senior vice president of industry operations at EEI, said in an email to Utility Dive. The group partners with the government through the Electricity Subsector Coordinating Council "to share actionable intelligence and prepare to respond to incidents that could affect our ability to provide electricity safely and reliably," she said.

NERC also sent a warning to members of the Electricity Information Sharing and Analysis Center, which primarily includes North American electricity and natural gas industry asset owners and operators.

The alert "amplifies the U.S. government advisory and encourages industry vigilance and the lowering of thresholds for sharing of suspicious cyber or physical security activity," Kimberly Mielcarek, NERC vice president of corporate and external communications, told Utility Dive. "Our Watch Operations team is actively monitoring the grid, while we continue to coordinate closely with the Department of Energy, the Electricity Subsector Coordinating Council, and our federal and provincial partners," she said.

PLCs are "critical for grid automation," particularly in distribution and generation, Joe Saunders, CEO of RunSafe Security, said in an email. The company provides embedded software security for critical infrastructure. About 50% to 80% of U.S. grid control endpoints rely on PLCs, he noted. "They are often used for substation automation, managing distributed energy resources, and balancing plant controls for generation — and as a result, PLCs are essential for maintaining a resilient grid," Saunders said. "If PLCs were compromised, power generation could shut down and distribution networks could shutdown."

CISA's advisory singled out a brand of PLC manufactured by Rockwell Automation, but said others could be impacted. A Rockwell spokesperson told Utility Dive that it "takes seriously the security of its products and solutions and has been closely coordinating with government agencies" in connection with the joint cybersecurity advisory. The company has published advisories with "recommendations for how customers can strengthen the security of their operational technology deployments."

CISA's advisory "should be a wake-up call for anyone who thinks this threat is contained," Brad LaPorte, chief marketing officer at endpoint security firm Morphisec, told Utility Dive. There are somewhere between 600,000 and 2 million PLCs deployed across U.S. critical infrastructure, LaPorte said. "Many of these systems run on legacy operating systems that were never designed with today's threat environment in mind," he said.

The two-week ceasefire in Iran is an opportunity for utilities to scrutinize their systems for vulnerabilities, ReversingLabs Chief Trust Officer Saša Zdjelar told Utility Dive. "For anyone in critical infrastructure or supporting U.S. government and defense, this is the time to take a hard look at operational resilience and what it actually takes to keep running when you can't fully trust what's already in your environment," Zdjelar said.

Utility Dive
http://www.utilitydive.com/

8 April 2026

EIA releases the Annual Energy Outlook 2026

The *Annual Energy Outlook 2026* (AEO2026) explores medium- and long-term alternative futures in the United States through 2050. AEO2026 enables the public to explore a suite of alternative pathways for our energy future depending on assumptions made about markets, technological breakthroughs, and policy. It includes a narrative report, as well as the full set of data tables and visualizations, assumptions and methodologies, and detailed

descriptions of the 11 cases we ran to explore these alternative futures. "AEO2026 is best understood as a product suite for alternative futures analysis, not a set of predictions," EIA Administrator Tristan Abbey said.

Key takeaways include:

- **Technology drives more efficient consumption of energy in the United States through 2050.** Energy consumption remains relatively flat or decreases slightly through 2050 in most of our cases despite economic growth of 1.2%–2.2% in our projections. Newer technologies deployed across the economy tend to be more efficient, reducing the energy needed to produce the same goods and services. In most of our cases, end-use energy consumption decreases in the transportation sector and is relatively flat in the residential and commercial sector despite increasing data center electricity demand.
- **Data center load is emerging as the dominant driver of long-term U.S. electricity growth.** After a decade-plus plateau, national electricity demand has risen 2.1% annually over the past five years and is projected to grow at an average annual rate of 0.9%–1.6% per year through 2050 across our cases.
- **To meet growing electricity demand, installed electric generating capacity increases between 50% and 90% by 2050 across cases, shaped by natural gas prices and renewable technology costs.** Natural gas, solar, and wind supply the most electricity generation capacity growth and account for a combined 80% of generation in most cases by 2050.
- **Natural gas production grows significantly, from 107 billion cubic feet per day (Bcf/d) in 2025 to between 133 Bcf/d and 151 Bcf/d by 2050 in most cases, driven by domestic and international demand.** Production growth is strongest in the East region, which includes the low-cost Appalachian Basin. This growth requires pipeline infrastructure buildout to move this natural gas to the U.S. Gulf Coast.
- **With only modestly increasing Brent crude oil prices over the long term and dwindling prime drilling acreage, U.S. crude oil production remains relatively stable, decreasing slightly by 2050.** Production is between 12.4 million barrels per day (b/d) and 12.7 million b/d by 2050 in most cases compared with 13.6 million b/d produced in 2025, with the Permian Basin remaining the key area for U.S. onshore oil output. The United States remains a net exporter of petroleum in nearly all the cases, with petroleum liquids exports in particular increasing.
- **Future U.S. coal demand depends on environmental policy as coal plant retirements drive coal demand even lower.** If 2024 power-sector emissions regulations are enforced, coal generation is projected to mostly disappear from the power sector. This continues the trend of the past 15 years, during which coal power capacity was retired and replaced with natural gas and renewable generation capacity. Without the regulations, some coal-fired power remains.

The full *Annual Energy Outlook 2026* is available on the EIA website.

EIA
http://www.eia.gov/

9 April 2026

Terna, Tyrrhenian Link: submarine works between Campania and Sicily completed

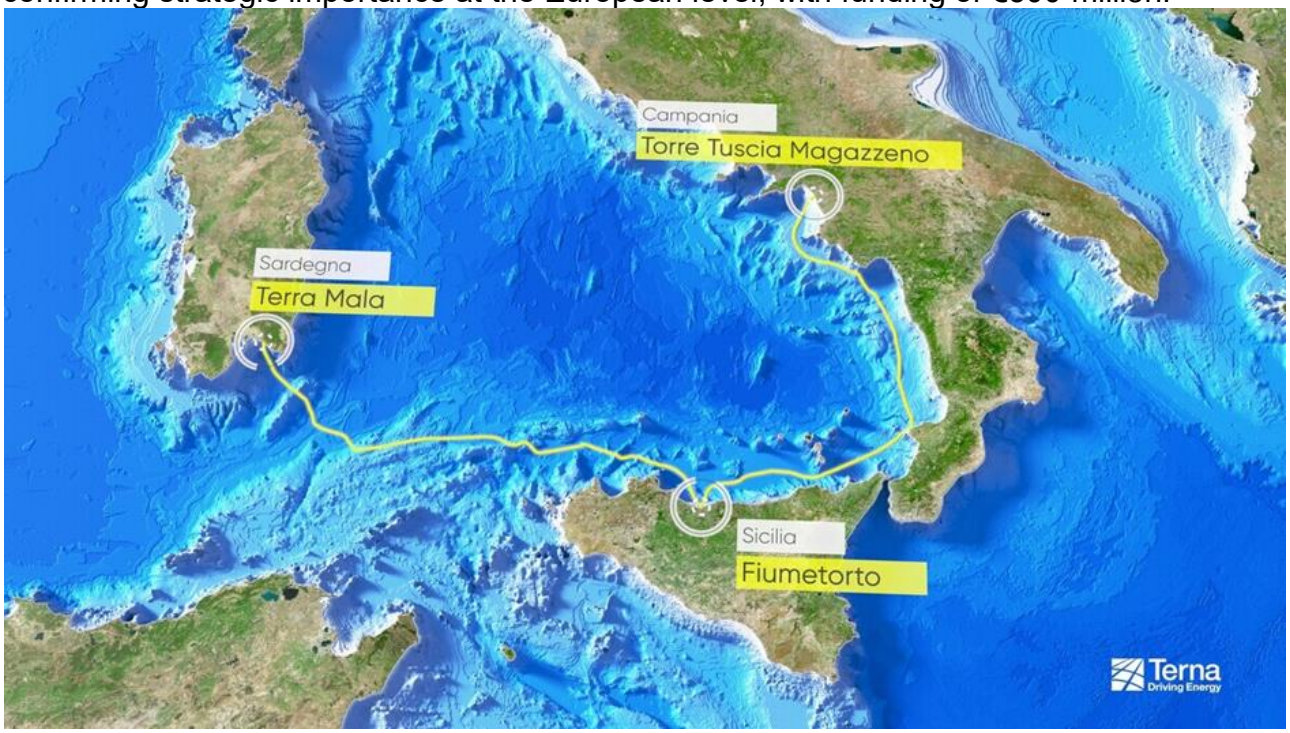
The laying of the cables for the eastern section of the project has been completed within twelve months; the section is one of three Terna projects included in the European REPowerEU program, with funding of €500 million; the Tyrrhenian Link, which will connect Sicily, Campania, and Sardinia, will increase exchange capacity and the reliability of the national transmission grid. The completion of the installation of the eastern section of the

Tyrrhenian Link, Terna's high-voltage direct current (HVDC) power line, marks the conclusion of submarine works between Campania and Sicily. The connection was carried out by Prysmian, which in 2021 was awarded the framework contract for the design, supply, installation, and testing of over 1,500 km of cables for Terna's main interconnection projects. In May 2025, aboard Prysmian's vessel Leonardo da Vinci, the first cable of the eastern section of the Tyrrhenian Link—490 km long—was installed, running from Fiumetorto (Termini Imerese, Palermo) to Torre Tuscia Magazzeno (Battipaglia, Salerno). The second cable, of the same length, was laid using the vessel Monna Lisa, from Campania towards Sicily, officially completing the section.

Overall, 150 days of naval operations were employed for the construction of the eastern section, with advanced technologies and continuous monitoring of the route.

Construction is also ongoing on land at the sites that will host the converter stations in Eboli (Salerno) and Termini Imerese (Palermo). In Campania, the infrastructure will be connected to the Torre Tuscia Magazzeno landing point through an underground cable of approximately 15 km, designed to minimize environmental and landscape impact. Similarly, in Sicily, the station will be connected to the Fiumetorto landing point via an underground cable route of approximately 10 km.

The Tyrrhenian Link also includes the western section between Sicily and Sardinia: the installation phase of the first of the two submarine connections was completed in January. With a total investment of around €3.7 billion, the project includes two 500 kV direct current lines, extending for approximately 2,000 km of submarine route. The eastern section is also one of three Terna projects included in the European REPowerEU program, confirming strategic importance at the European level, with funding of €500 million.



Thanks to its high transmission capacity, the Tyrrhenian Link will contribute to achieving the decarbonization targets set by Italy's National Integrated Energy and Climate Plan (PNIEC). The infrastructure will strengthen electrical interconnection between Campania, Sicily, and Sardinia, increasing exchange capacity, improving grid adequacy and flexibility, and ensuring greater resilience of the national and European electricity system.

Terna
http://www.terna.it/

9 April 2026

UK government approves record 800 MW solar plant over local opposition

Springwell Solar Farm has been granted planning approval by the UK government, meaning construction of the 800 MW project developed by Luminous Energy and EDF Power Solutions can now go ahead. The project would be the largest UK solar installation to date and is scheduled to connect to the grid in 2029. The Springwell site will comprise an 800 MW PV plant with battery storage located on land near Navenby, England. Utility-scale capacity in the region is on track to ramp up significantly and Springwell is expected to connect to a new 400 kV Navenby substation being developed by National Grid Energy Transmission.

Approval for the largest UK solar plant was made through the UK government's centralized planning scheme for large projects, meaning the planning decision was made by the Energy Secretary instead of local government. Electricity generating projects in England with capacity greater than 100 MW are subject to the lengthy Nationally Significant Infrastructure Project assessment process conducted by the UK Planning Inspectorate. The civil service body is tasked with examining large-scale projects and providing a recommendation to the Secretary of State for Energy Security, who has the final say.

The Springwell application for a development consent order (DCO) was submitted in November 2024 and following an examination and consultation, the Planning Inspectorate made a positive recommendation on Jan. 8, 2026.

North Kesteven District Council raised objections to the development mainly based on on how the project would affect agricultural land rated "best and most versatile". The council did welcome a GBP 2 million ($2.7 million) funding package associated with the development, to support skills, education and biodiversity in the local community. Luminous Energy said Springwell Solar Farm will supports its mission "to accelerate decarbonization across the UK's electricity supply."

CEO Jolyon Orchard commented: "Since 2022, we have worked alongside stakeholders and the local community to listen to their feedback while designing a project that can make a real contribution to our country's transition to clean energy. "This is a significant milestone for us and our partners at EDF power solutions. Springwell Solar Farm is a great example of what the UK can do to produce homegrown, clean energy – something we are in urgent need of." EDF Power Solutions said the developers would now consider the full details of the DCO secured from the UK government before engaging with stakeholders and the community ahead of construction beginning.

Further north, Statkraft has announced a public consultation on a proposed 500 MW plant in East Yorkshire. The Mylen Leah Solar Farm would be located on land around a former airfield at Melbourne, and would connect to the nearby Thornton substation via underground cable. The statutory consultation for Mylen Solar Farm runs from April 16 to May 2026. Statkraft intents to submit its DCO application for Mylen Solar to the Planning Inspectorate before the end of 2026. Further information on the project is available from the developer's website.

Pv-magazine
http://www.pv-magazine.com/

9 April 2026

Singapore installs 504 MW of solar in 2025

Singapore added 504 MW of solar last year, according to a report published by the country's Energy Market Authority (EMA). Figures from the authority's Singapore Solar Photovoltaic Report Q4 2025 state that cumulative solar capacity reached 2,093 MW by the

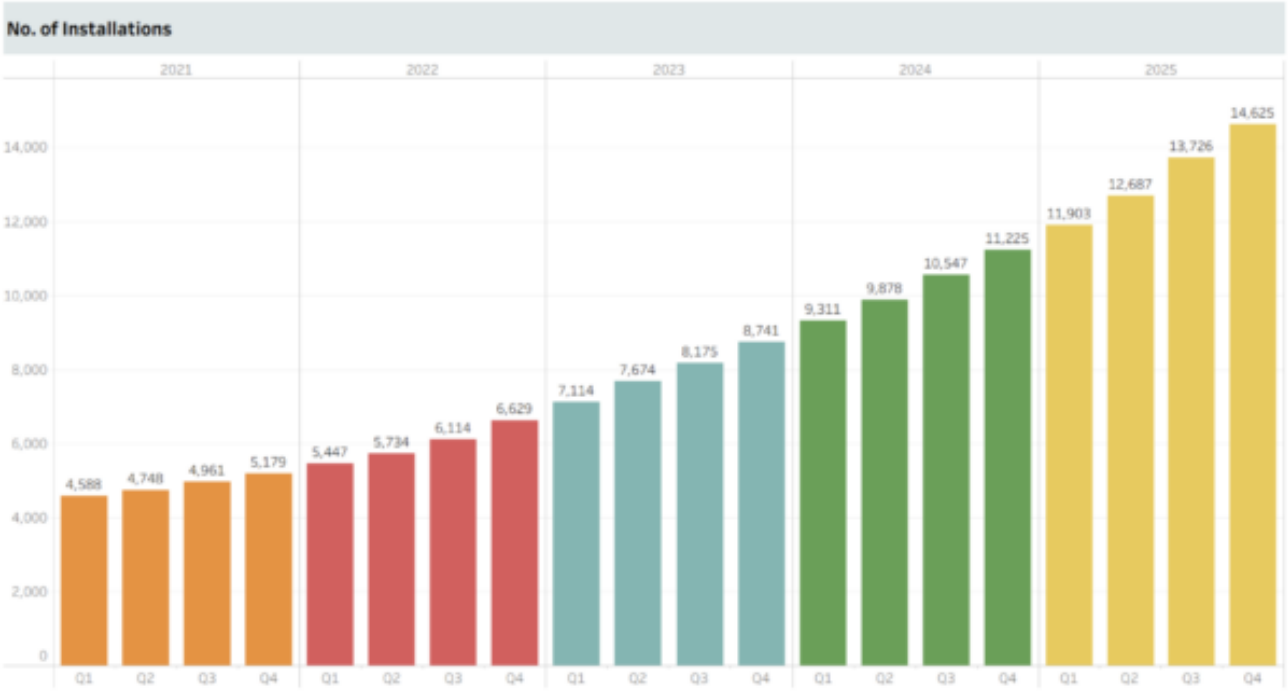
end of last year, up from 1,589 MW at the end of 2024. The result continues an upward trajectory in yearly capacity growth, compared to annual additions of 397 MW in 2024 and 370 MW in 2023.

The number of solar installations in Singapore increased by 3,400 last year, EMA's figures add, from 11,225 at the end of 2024 to 14,625 by the end of 2025.

Singapore's solar market is dominated by rooftop solar, which makes up more than 80% of total capacity. Lam Pham and Alnie Demoral, energy analysts at Ember specializing in Asian markets, told pv magazine a key market driver continues to be solar's increasing cost-competitiveness, with payback period falling to as short as five years and consumers also able to sell excess solar to the grid.

They added that the market is supported by government-led programs, such as SolarNova from the Housing and Development board, which had installed solar on 5,300 blocks as of December last year.

Other government support programs include SolarRoof and SolarLand from JTC, a government agency for industrial development under the country's Ministry of Trade and Industry. Supported projects include Singapore's largest ground-mounted solar project to date, the 118 MW Sembcorp Jurong Island Solar Farm, which was completed last year. The installation, spanning 60 hectares across six plots of interim vacant land, was built by Singaporean state-owned energy and urban development company Sembcorp.



Pham and Demoral said the main market driver in 2026 will be electricity prices due to Singapore's large reliance on gas power plants. "The current fuel shock will intensify gas price volatility. Fuel price is already up and electricity will likely be affected soon," the pair said. "Coupled with the continuous decline of solar costs and batterys, this will drive the residential consumers to install solar panels."

As a result of surpassing 2 GW of cumulative solar capacity last year, Singapore surpassed its original 2030 target and subsequently increased the goal to 3 GW by the end of the decade. Pham and Demoral said that while the 3 GW target will be a key market driver, it remains unclear if this year's deployment level with surpass that seen last year. "Demand will be growing certainly and costs will become more affordable, but the issue with Singapore is limited land availability," they explained. "As projects with suitable land have

been largely developed, those remaining will be more complex, take more time and constraint the pace of deployment."

They pair also told pv magazine that Singapore could focus more on interconnection with neighbouring nations, such as Cambodia, Indonesia, Malaysia and Vietnam, to import solar electricity from other nations. "This will help unleash the land constraint and access large-scale solar resources abroad," they said.

Last October, Singapore conditionally approved a 1 GW hydropower import project from Malaysia and last June, partnered with Indonesian on a solar supply chain initiative to be located in the Riau Islands as part of broader plans to enable cross-border clean energy trading. Pham and Demoral also suggested regulators in Singapore could introduce more robust incentives for cross-border renewable energy procurement, such as counting imported solar electricity to renewables targets or carbon reduction commitments, and enhancing market structures to support flexibility with policies that promote energy storage, demand response and grid modernization.

EMA's latest figures add that Singapore had 213.4 MW of operational energy storage systems by the end of last year. UK consultants GlobalData are expecting Singapore to add between 300 MW and 400 MW of solar annually through to 2035, taking cumulative capacity past the 5 GW threshold.

Pv-magazine
http://www.pv-magazine.com/

9 April 2026

China-developed 1,000-MW solar project enters operation in Laos

A 1,000-MW photovoltaic project in Laos was connected to the power grid and entered operation on Tuesday, developer China General Nuclear Power Group (CGNPC) announced. Located in Oudomxay province, the large-scale solar farm is expected to generate 1.65 billion kWh of electricity annually and reduce carbon dioxide emissions by approximately 1.3 million tonnes per year.

As one of the major solar installations in Laos, located in a mountainous region, the project created nearly 3,000 local jobs at the peak of construction. It also contributed to local infrastructure by repairing roads and reinforcing five bridges, delivering tangible economic and social benefits to the surrounding communities.

On the industrial cooperation front, the project brought together more than 70 enterprises from both China and Laos -- including over 30 Laotian companies involved in construction, equipment supply and raw materials.

CGNPC also supported the establishment of a clean energy power standards research institute in Laos and trained nearly 100 local engineers. Environmental protection measures, such as avoiding construction in sensitive areas and implementing ecological restoration, were adopted to help preserve the natural landscape.

Yang Changli, chairman of CGNPC, said the company will accelerate the development of clean energy projects in Laos, contributing to a closer China-Laos community of shared future through green energy cooperation.

Xinhuanet
http://english.news.cn/

10 April 2026

Kazakhstan ratifies green energy transmission deal with Azerbaijan, Uzbekistan

The Senate or the upper chamber of Kazakhstan's parliament passed a law ratifying a strategic partnership agreement on the production and transmission of green energy between Kazakhstan, Azerbaijan and Uzbekistan on Thursday.

The bill had previously been passed by the lower house, the Majilis, and is thus considered to have been approved by parliament in general. It will now be sent to the president for signature. The agreement was signed in Baku on November 13, 2024.

Energy Minister Yerlan Akkenzhenov said earlier that the deal was designed to promote the effective use of the three countries' renewable energy potential and develop trade in environmentally friendly electricity, including green hydrogen and ammonia, with a view to exporting to European markets.

"The project involves transmitting green energy sources via an underwater cable running across the Caspian Sea bed from Kazakhstan and Uzbekistan to Azerbaijan, which will also allow this energy to be exported to European countries via a similar Black Sea route," Akkenzhenov said. Italian consulting firm CESI was selected to prepare the feasibility study for the project, which will define its financial model and key technical parameters.

The feasibility study has an estimated cost of around 1 million euros, funded through grants from the Asian Development Bank and the Asian Infrastructure Investment Bank. "The two banks have confirmed their willingness to provide grant funding of $2 million, although only $1 million is required at the initial stage," the minister said.

The ratification of the agreement is expected to reinforce energy security, diversify export routes and facilitate the sustainable economic growth of Kazakhstan through exports of low-carbon energy.

World Energy
http://www.world-energy.org/