New York Solar Energy Society
Monthly Digest for December 2025

Happy New Year!
Pablo Picasso, Three Dancers, 1925

Is the NYSES Monthly Digest forwarded to you? Get your own subscription: HERE

Become a Member - Contribute to the NYSES!

Forward to a Friend!

LINK TO

ENERGY
Solar Energy
Wind
Electric Vehicles
Other Renewable
Fossil Fuel
UKRAINE
CLIMATE / ENVIRONMENT
NORTHEAST
DATA
OF INTEREST
THE READS
BULL IN A CHINA SHOP
About NYSES

Please Note:
In this Monthly Digest, to the extent possible and where relevant, positive (or more positive) information is placed at the top of each section.

ENERGY

After roughly 20 years of flat or minimal growth in U.S. electricity demand, power needs are rising and are expected to surge in the next several decades, likely pushing up the cost.
The energy needs of data centers used for artificial intelligence were forcing utilities to spend billions of dollars to upgrade the power grid.
Three democratic senators are investigating the impact of the additional utility investments on consumers.
The average cost for electricity for the typical household that uses 1,000 kilowatt-hours of electricity rose 7 percent in September from a year earlier, to about $181 per month, according to the Energy Information Administration. (*New York Times*)

The House passed a bill that would streamline and speed up agencies' environmental reviews for energy and other projects — but it faces major changes in the Senate. (*Politico*)
However, bipartisan talks to overhaul federal agencies' permitting efforts are dead unless the Trump administration reconsiders its halt of offshore wind projects. (*Politico*)

To Top

Solar

The Orange Unified School District in southern California has worked with AMERESCO, an energy infrastructure solutions provider, to install solar photovoltaic rooftops and carports at four elementary, one middle, and two high school campuses. (*SmartCities*)

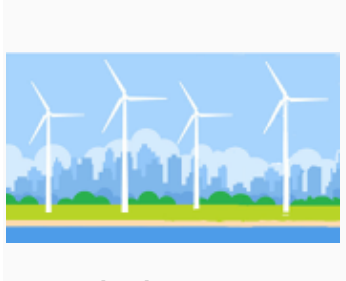
A two-GW solar panel factory is under construction in a former coal plant town in Ohio. (*SolarPowerWorld*)

Low-and moderate-income communities make up 46% of the U.S. population, but only 26% of residential solar installations, according to the Rocky Mountain Institute
The Illinois utility ComEd, serving over 4 million customers, is working with the Australia-based Allume Energy to deliver 100% clean energy by 2045. Within this framework, ComEd is looking at the state's 1.7 million suitable rooftops to accommodate solar power and is exploring a model that can provide rooftop solar systems to low-income customers at no cost. (*Reuters*)

The Bureau of Land Management has approved changes to the 700 MW solar and 2,800 MWh energy storage Libra Solar Project in Nevada, marking the first time it has advanced a solar project since July. (*PV Mag*)

Solar provided 82% of the total new power added to the U.S. grid in the 1st half of 2025. With the Trump administration's One Big Beautiful Bill Act and actions, the U.S. is at risk of losing 44 GW of large-scale solar deployment by 2030, an 18% decline. (*Reuters*)

To Top



Wind

Trump Has Tried to Fight It, but the Wind is Stubborn:

The wind turbine manufacturer and servicer, Vestas, landed its first offshore wind order in South Korea, which will support the country's clean energy transition. It will consist of 26 V236-15.0 MW offshore wind turbines, along with a 20-year service agreement to ensure reliable and optimized asset performance. (*Renewable Energy Mag*)

Vestas broke the almost one-year turbine order drought in Australia. It signed a 108-megawatt contract for the Waddi wind project in Western Australia. The company has also entered into a contract for the 205 MW Delburn wind project in Victoria. (*RenewEconomy*)

Vestas has secured 188MW worth of turbines across three Irish wind farms as part of the company's fourth quarter intake. (*ReNews*)

Vestas has confirmed it has received 320MW of turbine supply orders from the US market. Specific information is not available. (*ReNews*)

Orsted is considering legal proceedings in response to Trump's shutdown of all five in-construction wind farms in the U.S.. (*ReNew*)

Dominion Energy, an offshore wind developer and utility serving Virginia, filed suit against the Trump administration over its decision to pause federal leases for large offshore wind projects.
The company has already spent $8.9 billion to date on the $11.2 billion project that was expected to start generating power next year. Fully operational, the offshore wind farm is designed to have a capacity of 9.5 million megawatt-hours per year, serving as many as 660,000 homes. (*Verge*)

A Small Win
In January 2025, Trump signed an executive order freezing federal approval of pending offshore and onshore wind permits. On December 15, a federal district judge in Boston vacated the order, ruling that "arbitrary and capricious and contrary to law". Trump has previously claimed, without evidence, that wind turbines kill whales. Before becoming president, Trump battled - and ultimately failed - to stop the construction of a wind farm off the coast of his golf course in Aberdeenshire, Scotland. (*BBC*)

A New Attack
With its edict on December 22, the Trump administration is attempting to gut, again, the country's nascent offshore wind industry. A pause on leases for the five wind farms under construction off the East Coast is a sharp escalation of Trump's irrational personal vendetta against wind energy.
Dominion Energy, the developer of the largest offshore wind farm, has been targeted. Coastal Virginia Offshore Wind brought the first legal challenge. At stake is about $25 billion of investment in the five wind farms, which were expected to create 10,000 jobs and power more than 2.5 million homes and businesses.
The director of the Sabin Center for Climate Change Law at Columbia Law School thinks that a legal challenge to the pause would likely succeed.(*New York Times* == *Canary Media*)

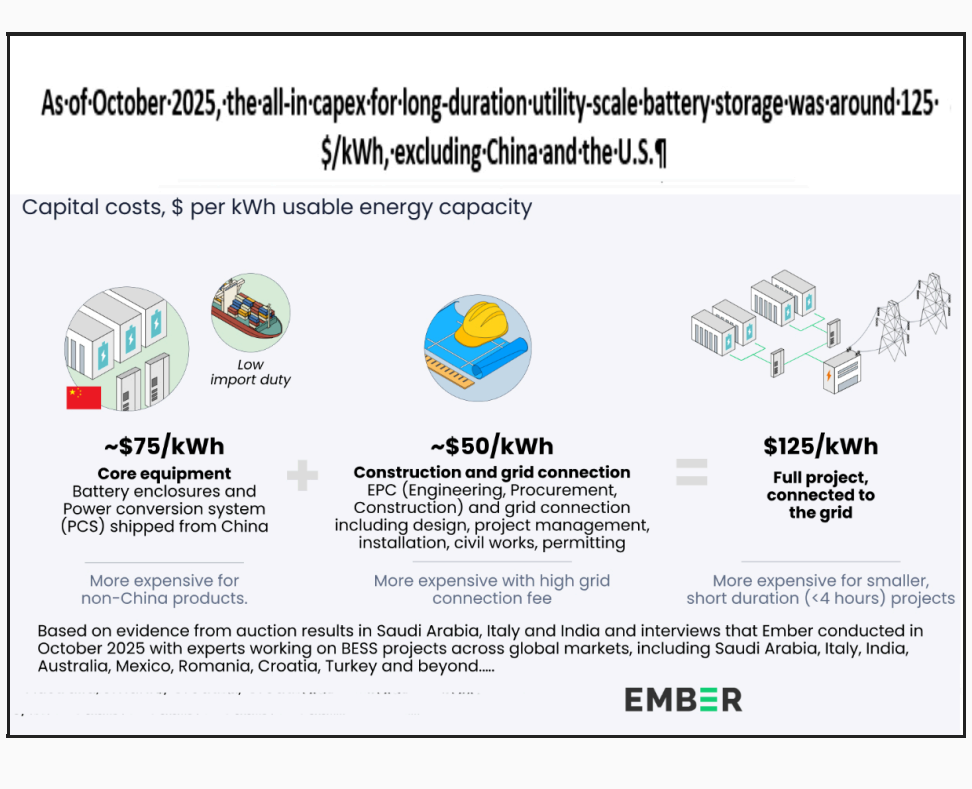
Orsted is considering legal proceedings in response to Trump's shutdown of all five under-construction offshore wind farms in the country. (*ReNew*)

To Top

Energy Storage

California used to issue alerts for residents to conserve energy on hot summer days to avoid shortages.
There have been no such alerts since 2022, largely because batteries have allowed the use of the abundant solar power well into the evening. Over the last seven years, the state added 30 times as much battery storage capacity as it had in 2018. (*New York Times*)

As of October 2025, the all-in capex for long-duration utility-scale battery storage was around 125 $/kWh, excluding China and the U.S.


As of October 2025, the all-in capex for long-duration utility-scale battery storage was around 125 $/kWh, excluding China and the U.S.¶
Capital costs, $ per kWh usable energy capacity
Low import duty
~$75/kWh
Core equipment
Battery enclosures and Power conversion system (PCS) shipped from China
More expensive for non-China products
~$50/kWh
Construction and grid connection
EPC (Engineering, Procurement, Construction) and grid connection including design, project management, installation, civil works, permitting
More expensive with high grid connection fee
$125/kWh
Full project, connected to the grid
More expensive for smaller, short duration (<4 hours) projects
Based on evidence from auction results in Saudi Arabia, Italy and India and interviews that Ember conducted in October 2025 with experts working on BESS projects across global markets, including Saudi Arabia, Italy, India, Australia, Mexico, Romania, Croatia, Turkey and beyond....
EMBER

Dramatic price falls mean batteries are now cheap enough to make dispatchable solar economically feasible.

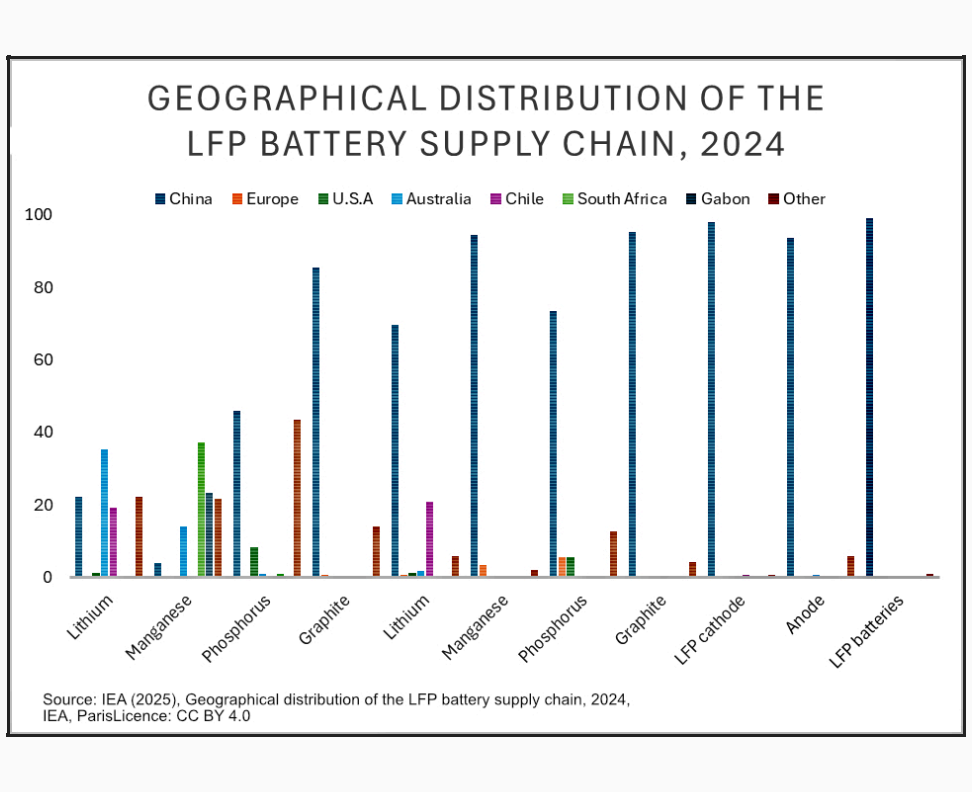
- All-in BESS projects now cost just $125/kWh –
- Capex of $125/kWh means a levelized cost of storage of $65/MWh
- With a $65/MWh LCOS, shifting half of the daily solar generation overnight adds just $33/MWh to the cost of solar

(*Ember*)

European Energy energized its newly completed battery facility. Integrated with the existing solar power generating facility, the combined Kvosted solar and battery park in Viborg, Denmark, is now the largest of its kind in Northern Europe. The site has a total storage capacity of 200 MWh.
On sunny days, solar can meet over 60% of Denmark's electricity demand. (*Solar Quarter*)

A new white paper finds utility-scale battery storage systems face elevated risks of foreign and criminal attacks. (*Utility Dive* via Canary Media)

Chinese battery dominance has long been a problem for industries like auto manufacturing, but now it is increasingly being viewed as a national security threat as data centers and the Pentagon are increasingly reliant on Chinese batteries.
When Trump came to office, his administration initially froze billions of dollars for battery manufacturing, lumping batteries in with electric vehicles, solar farms, wind turbines, and other clean energy technologies. Trump has been scornful of electric cars, calling them a "scam."
More recently, the administration has come to see battery technology as pivotal for many of the things it cares most about, including A.I. and defense.
The National Energy Dominance Council, which Trump established to coordinate energy policy, has been meeting with battery companies. The Energy Department has quietly allowed many Biden-era grants for battery makers to proceed. It also recently announced up to $500 million for battery materials and recycling projects.
The administration has started investing in companies that develop battery components or critical minerals and is enticing foreign countries and companies to invest in the technology in the U.S.A. Experts say that building an industry not dependent on China will be enormously difficult. China is dominant in lithium iron phosphate batteries, or LFP, preferred for both E.V.s and for stationary storage.
Most data centers rely on batteries for backup. They provide instantaneous power in an outage to ensure that data is not lost, whereas generators fueled by natural gas or diesel need time to fire up.
Among the lessons from the horrors of Ukraine is a daunting realization: The future of military power rests with batteries. Many battlefield drones are powered by lithium batteries.
Today, China uniquely dominates the world market for lithium batteries, both in terms of material and technology It will take years before the U.S. will be able to fully catch up. (*New York Times*)



Source: IEA (2025), Geographical distribution of the LFP battery supply chain, 2024. IEA, Paris Licence: CC BY 4.0

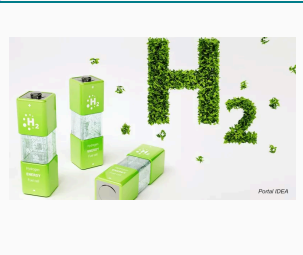
To Top

Electric Vehicles

Global EV sales increased by 21% year-on-year to 18.5 million vehicles in the first 11 months of 2025, with China accounting for 62% of the total.
Lithium-iron-phosphate (LFP) batteries used to power EVs dominate and are expected to reach 65% of the market by 2029, from 48% in 2024.
Chinese battery giant CATL has pioneered the development of sodium-ion batteries. The latest iteration, Naxtra, will almost match the efficiency of LFP batteries. (*Reuters*)

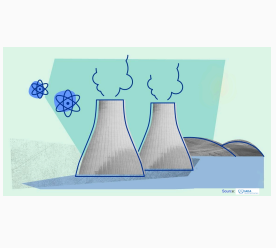
Ford has launched a fully electric (BEV) and extended-range electric (EREV) Bronco in China. It is shutting down EV shop in the USA, for the most part, but it is gung-ho about the new electric era in China. (*CleanTechnica*)

OTHER RENEWABLE ENERGY



Hydrogen

Shipping companies Hapag-Lloyd and North Sea Container Line (NCL) will use low-emission fuels derived from hydrogen on container ships from 2027 for at least three years to reduce CO_2 emissions.
Hapag-Lloyd will power five large container ships with about 70,000 metric tons of e-methanol, while NCL will refuel a small container ship with about 25,000 tons of e-ammonia
Zero Emission Maritime Buyers Alliance (ZEMBA) organized the action.
ZEMBA, a voluntary initiative that includes Amazon, IKEA, Nike, and Tchibo, among others, matches companies prepared to pay more for deliveries using low-emission fuels with operators of vessels that can use such fuels. The voluntary initiative to reduce maritime emissions follows a decision in October by the International Maritime Organization to delay a global carbon price by a year under pressure from the Trump administration. (*Reuters*)



Nuclear

For press releases, policy changes, and promises to build new nuclear power, 2025 was a gangbusters year.But, not so much for adding new reactors. In the 11 months leading up to Dec. 1, only two new reactors came online, totaling 1.8 GW. Meanwhile, seven reactors, with a total 2.8-GW capacity, were permanently shut down. (*CanaryMedia*)

Fossil Fuels

In its transition to 100% clean energy deployment by 2035, the City of Los Angeles ceased to receive coal-generated power. (*SmartCities*)

Dominion Energy and South Carolina state utility Santee Cooper saw the projected cost of a planned gas-fired power plant double, to about $5 billion, largely due to the skyrocketing expense of combustion turbines. (*Post and Courier* via Canary Media)

The DOE ordered two Indiana coal plants to postpone retirement and continue operating, expanding Trump's campaign to aid fossil fuels. Closing the 800-megawatt coal plant was central to Northern Indiana Public Service Co.'s plan to shutter its coal fleet and replace it with a combination of solar and gas facilities. (*E&E News*) **Secretary of DOE Wright used emergency powers multiple times this year to prevent the closing** of fossil-fired generating plants at huge cost to the utilities and borne by the ratepayers and a continued damage to the environment:

- F.B. Culley and R.M. Schahfer generating stations in Indiana
- TransAlta in Washington
- J.H. Campbell in Michigan (multiple extensions)
- Eddystone Generating Station, Pennsylvania (two units – multiple extensions)

Public advocacy groups filed a challenge in court to the DOE's abuse of Section 202(c) of the Federal Power Act. Section 202(c), intended to alleviate certain grid emergencies, allows the DOE to order power plants to operate for short periods of time, up to 90 days. (*Earthjustice*)

The federal government is proposing to lease areas off the coast of California, which have been off limits for over four decades, for oil and gas drilling. The proposal has generated warnings of unacceptable risks.
Economic and environmental concerns aside, national defense interests are a major sticking point. The coastal waters support essential military functions, including training routes and logistics pathways.
Furthermore, the proposed leasing plan could be severely hampered by California's ban on new offshore oil and gas development in state-controlled waters and restrictions on building pipelines or other support infrastructure. (*E+E Leader*)

Oil oversupply concerns expose market vulnerabilities, sparking economic anxiety amid weekly price decline (*Energy Reporters*)

The massive oil production from hydraulic fracturing in the Permian Basin in Texas generates vast amounts of wastewater, and the industry is running out of safe places to dispose of it.

- The Texas Railroad Commission has restricted new disposal wells due to widespread increases in reservoir pressure, leading to drilling hazards, ground deformation, and seismic activity.
- Potential solutions, such as treating the water for release into rivers, face regulatory hurdles and would add high, unwelcome costs to producers operating below $60 per barrel of West Texas Intermediate.

(*OilPrice*)

A rash of data centers planned for western Pennsylvania has residents and environmentalists on edge. The sprawling complexes will be powered by plants that burn fracked natural gas, whose production has caused air and water pollution in the region and poses health risks. (*e360*)

To Top

UKRAINE

Russia attacked Ukraine's energy infrastructure some forty-five hundred times in 2025 alone, according to Ukraine's top private energy provider. As the Kremlin attempts to plunge Ukraine into despair, or at the very least into darkness, Ukraine's energy workers work around the clock to keep the power on. (*NPR*)

The City of Trostyanets, in collaboration with Green Planet Energy, Greenpeace Germany, and Greenpeace Ukraine, has completed the reconstruction of a multi-apartment building, now equipped with a modern heating system using geothermal energy, heat pumps, and solar power. The building in the northeastern Ukrainian city was severely damaged during the Russian occupation in 2022. The building is the first of its kind in Ukraine, with heat pumps as the sole source of energy for heating and hot water. (*Greenpeace*)

To Top

CLIMATE CODE RED

CLIMATE / ENVIRONMENT

Most Americans now connect the worsening climate crisis with their cost-of-living pressures, with clear majorities also disagreeing with moves by the Trump administration to gut climate research and halt windfarms, new polling has found.
Extreme weather events are taking a toll on food production. Rising home electricity costs and steep increases in home insurance premiums, both affected by the climate crisis and Trump's attempts to choke off renewable energy power, which is often the least expensive. (*Guardian* == *Yale*)

In a new report, the International Energy Agency (IEA) indicates that buildings remain the largest CO_2 emitters and calls for stronger building codes, greater retrofit spending, and wider use of digital optimization. The report states the world is veering off its pledge to double efficiency gains by 2030. The building sector is one of the principal factors in slowing down efficiency gains. (*Renewable Energy*)

Climate/Weather Events This Month

Week of December 28

- A strengthening bomb cyclone barreled across the northern U.S. on Monday, unleashing severe winter weather in the Midwest as it aimed at the East Coast. The sharp cold front left parts of the central U.S. waking up Monday to temperatures as much as 50°F (28°C) lower than the day before.

Week of December 21

- Flash floods in Northern California led to soaked roads, water rescues, and one death
- Mudslides buried cars and homes up to their windows in a town in California's San Bernardino County as a powerful storm system brought the wettest Christmas in decades to the southern part of the state. As much as 12 inches of rain inundated the area. The immense rainfall was also a stark shift from last winter, when an exceedingly dry year created conditions for the rapid spread of devastating wildfires across the region.
- Winter storm snarls U.S. holiday travel across the Northeast, Great Lakes

Week of December 14

- From flooding in Morocco to snow falling in Brooklyn, it was another busy week of weather around the world.
- A severe cold snap gripping the northeastern U.S. has prompted emergency measures to ensure the continued distribution of heating fuel, as an outage at a key storage facility threatens to disrupt supplies amid peak winter demand. (*Energy Reporters*)

Week of December 7

- Days of heavy rain pushed waterways to record flood levels in a mountainous region north of Seattle, WA. The heavy rain is the result of an unusually potent atmospheric river system pulling a plume of moisture off the warm ocean and spreading it across the Pacific Northwest.

To Top

READ / SUBSCRIBE

GREEN ENERGY TIMES
Be energy independent!
Green Energy Times
Be Energy Independent!

NORTHEAST

Less than 24 hours after Trump dealt a catastrophic blow to five major offshore wind farms on Dec 22, the Democratic governors of several Northeastern states began plotting a strategy to save them. (NYT)

Bills that would have fossil fuel companies pay for the damages to the climate stalled in several northeastern states, as lawmakers wait to see what happens in ongoing legal challenges to similar laws in New York and Vermont. (*Bloomberg Law via Canary Media*)

New York
New York Governor Kathy Hochul signed a partnership agreement with Ontario Premier to cooperate on establishing supply chains and best practices for deploying next-generation nuclear technology.

The New York State Department of Environmental Conservation (DEC) finalized regulations establishing a Mandatory Greenhouse Gas (GHG) Reporting Program. (*JDSupra*)

The governor also repealed "100-foot-rule" that's been on the books for nearly 140 years, which provided free hookups to the gas system for new customers. (*HeatmapAM*)

The New York City Council has proposed a new bill to ban the use of "forever chemicals" in the turnout gear worn by FDNY's 11,000 firefighters. (*JDSupra*)

The New York State Energy Planning Board adopted the 2025 New York State Energy Plan, a comprehensive policy document intended to guide statewide energy planning and decision-making through 2040. The State Energy Plan provides a long-term assessment of New York's energy system and outlines strategic priorities for electricity generation, transmission, fuels, demand growth, reliability, affordability and emissions reductions across the economy. (*JDSupra*)

New Jersey
New Jersey has the third-slowest permitting timelines for residential solar projects in the country. A recent bill aims to speed up the approval process for residential solar and battery systems through the use of an automated permitting platform. (*PV Mag*)

Rhode Island
The RI PUC is considering cuts to the funding of energy efficiency programs. (*ecori*)

To Top

DATA

The U.S. Energy Information Agency Forecasts

- Global oil inventories will rise through 2026, exerting downward pressure on oil prices in the coming months.
- The Henry Hub natural gas spot price in our forecast rises to an average of almost $4.30 per million British thermal units (MMBtu) this winter (November–March),
- U.S. electricity generation will increase by 2.4% in 2025 and an additional 1.7% in 2026.
- Coal consumption, after increasing by 9%in 2025, will decline due to the growth of power generation from renewable sources.
- U.S. crude oil production will decrease slightly in 2026. The forecast decline in production follows four years of rising crude oil output.

The International Energy Agency (IEA) reports:
Global coal demand will continue its decline through the end of this decade as competition intensifies with other power sources – including renewables, natural gas, and nuclear. (*IEA*)
Strong investment in energy infrastructure drove a 2.2% rise in energy jobs last year, nearly double the rate of employment growth for the wider global economy. (*IEA*)

Ember reports **in the 1st half of 2025**

- Global electricity demand increased close to the annual average for the 10 years, 2015-2024, 2.4%
- The world's four largest polluters accounted for 81% of the global demand rise in the first half of 2025: China 54% (198 TWh), the US 21% (76 TWh), India 3.3% (12 TWh), and the EU 2.4% (9 TWh).
- Solar alone met 83% of the increase, setting new records for both growth and generation. Its share of electricity generation rose to 8.8%, up from 6.9% in the first half of 2024.
- Solar capacity additions also grew at a record pace, reaching a new high of 380 GW in the first six months of 2025 – 64% more than the 232 GW added in the same period last year.
- Global wind generation increased by 97 TWh (+7.7%) in the first half of 2025, compared to the same period last year when it increased by 106 TWh (+9.1%).
- Wind's share in the global electricity mix rose to 9.2% in H1-2025, up from 8.8% in the same period last year.
- Renewables have overtaken coal in the electricity mix for the first time on record, rising by 363 TWh (+7.7%) to 5,072 TWh, with their share increasing to 34.3%, up from 32.7% for the same period in 2024.
- Coal fell by 31 TWh (-0.6%) to 4,896 TWh, with its share dropping to 33.1%, down from 34.2%.
- Hydro generation decreased by 42 TWh (-2%) in the first half of 2025, compared to the same period in 2024.
- Nuclear generation globally rose by 33 TWh (+2.5%), maintaining its share of 9.1% in the global electricity mix in H1-2025.
- Global CO_2 emissions from the power sector fell marginally by 12 $MtCO_2$ (-0.2%) to 6,963 $MtCO_2$ in the first half of 2025.

From January to November 2025, battery-electric cars accounted for 16.9% of the EU, a 3.5 percentage points increase over the same period in 2024. Hybrid-electric car registrations captured 34.6% of the market, remaining the preferred choice among EU consumers. Meanwhile, the combined market share of petrol and diesel cars fell to 36.1%, down from 45.8% over the same period in 2024. (*acea*)

To Top

OF INTEREST

Communities in Portage County, OH, recently held a public meeting on large solar and wind installations. Large wind and large solar facilities are defined under state law as those that connect to the electrical grid and are designed to operate at 50 or more megawatts.
Some of the concerns regarding these power-generating facilities included

- Considering neighbors: "If somebody has property, they can do whatever they want with it, but we have to get along with our neighbors.
- Commercialization of rural communities," another name for damaging the area's rural character.
- Not aesthetically pleasing to look at, they are not going to improve property values – (one of the biggest concerns).
- A belief that those installations have only 5-, 8- or 10-year useful life.
- Problems with the disposal of the installed equipment at the end of its useful life.
- Chemicals from the installations contaminate the ground and water sources.
- Fire hazard and the ability of communities to extinguish them.
- Structural failures due to weather events and the hazard from flying installation parts to people and property nearby.
- Rumors that people who live near such turbines have reported sleep disruptions and dizziness, they blame on the installation's low-frequency noise or shadow-flicker effects.

As the Portage County townships continue to weigh in, commissioners are recording their responses and plan a public meeting sometime in 2026. (*Portager*)

Energy: Research/Development

Solar

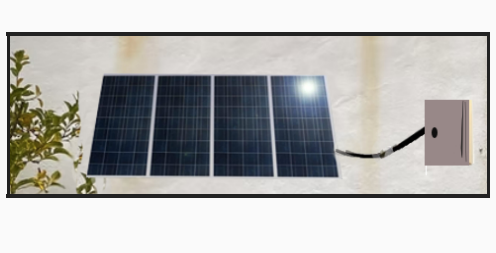
With the cost of rocket launches declining and the next-generation solar cells in play, new projects are developed: Among them, sending satellites into space to collect solar energy and beam it wirelessly down to receivers on Earth (see space PV background). (*CleanTechnica*)

Overview Energy, a Virginia-based startup, looks at harnessing solar power from space. By utilizing satellites in geosynchronous orbit, Overview aims to provide a continuous 24/7 power supply via wide-beam, near-infrared lasers to Earth-based solar panels.
In geosynchronous orbit at about 22,000 miles above the Earth's surface, the satellites will be in constant view of the sun, enabling uninterrupted power transmission. (*Energy Reporter* == *Livescience*)

- **Researchers at the University of Cambridge have developed a** novel organic semiconductor molecule called P3TTM.
- This discovery challenges the belief that solar panels could not be made from a single organic material.
- The P3TTM molecule efficiently harvests light and generates electricity with near-perfect charge collection efficiency.

Traditional solar cells rely on multiple materials to generate and separate charges. The potential to fabricate solar cells from a single material could significantly reduce costs and simplify manufacturing processes.
Moreover, the P3TTM molecule can generate charges independently instead of relying on interfaces between varied materials – leveraging the intrinsic traits of organic molecules. This could lead to more environmentally friendly and efficient solar solutions. *(Energy Reporter)*

In Germany, at least 1 million households are saving on energy bills with solar panels that plug into standard electrical outlets and hang on balconies or sit in backyards
In the U.S., consumers intending to install plug-in solar panels face hurdles. To install and operate them, users must grind through utility and local permitting processes and pay associated fees.



First among the 50 states, this year, Utah's legislature passed a law exempting solar panels that plug into a standard 120 V outlet from utility interconnection, provided they meet certain safety requirements. Similar bills have been proposed in New York and Pennsylvania, and are under consideration in Vermont, New Hampshire, Virginia, and Oregon.
A California-based company, BrightSaver sells portable plugin solar panels to residents in California and Utah. Excess solar energy may be stored in batteries, and if the batteries are full and the home is not using enough electricity, the system will throttle electricity production. (*SF Chronicle*)

A team of Chinese researchers reports in the journal Nature Photonics, finding a way to turn carbon dioxide and methane, the two most notorious greenhouse gases, into useful chemicals without any expensive catalysts, using only light.

High-energy photons at a certain wavelength generated by a specialized ultraviolet light source could directly break the strong chemical bonds in methane and carbon dioxide. This makes possible the transformation of the gases into chemicals such as water-gas (CO/H_2) and

ethane (C_2H_6) under ambient conditions and even in oxygen-free outer-space-like conditions.

The yield is low at this stage, but these findings demonstrate a possible powerful new approach for turning two greenhouse gases into valuable products. (*PhysOrg*)

To Top

THE READS

Scientists fear warming is driving a collapse in the ocean currents that shape climate everywhere. The ice-choked waters off Greenland might hold the key.
Observing ocean currents as they change is critical to fleshing out scientists' understanding of how and when they might reach tipping points.

The Oilman Who Pushed Trump to Go All in on Fossil Fuels: An Oklahoma oil tycoon has played a central role in reshaping energy policy by allying himself with Trump.

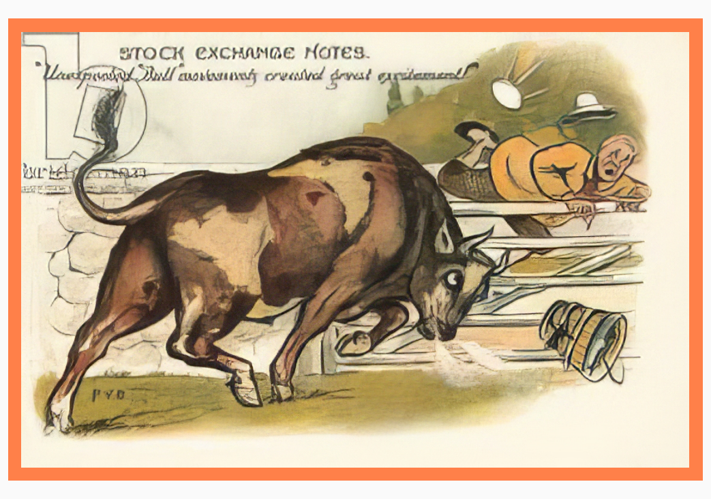
Threatening NCAR, the Trump administration seeks to extinguish a beacon of climate science. "This facility is one of the largest sources of climate alarmism in the country," Russ Vought, White House budget director, told USA TODAY. "

Trump has long hated wind, now one of the cheapest forms of electricity. Over the years, he has claimed that it is expensive (false), causes cancer (false), ruins the environment (false), and harms whales (false). On December 12, the Trump Administration paused five major offshore wind energy projects, citing "national security risks" in new classified studies from the Defense Department

Watch

White House pushes to dismantle leading climate and weather research center (*PBS Newshour***)**

To Top



STOCK EXCHANGE NOTES.
Unexpected Bull movements created great excitement!

A BULL IN A CHINA SHOP

Trump claims that wind turbines obstruct the view from his golf club in Scotland, thus his vendetta against offshore wind.

Trump Halts Five Wind Farms off the East Coast
The Interior Department stated the projects posed national security risks, without providing details. The decision imperils billions of dollars of investments. (*NYT*)

"**The prime duty of the United States government is to protect the American people**," Interior Secretary Doug Burgum said in a statement. "Today's action addresses emerging national security risks, including the rapid evolution of the relevant adversary technologies, and the vulnerabilities created by large-scale offshore wind projects with proximity near our east coast population centers." The statement did not detail the national security risks. (*ABC 6, Phila*)

The National Renewable Energy Laboratory in Colorado will now be known as the National Laboratory of the Rockies. The name change is supposed to reflect "the *Trump administration's broader vision for the lab's applied energy research, which historically emphasized alternative and renewable sources of generation,"* according to the Department of Energy. (*Grist*)

The Trump administration announced plans to dismantle the National Center for Atmospheric Research, or NCAR, a beacon of climate science. (*the bulletin*)

The U.S. has demanded that the European Union exempt its oil and gas from obligations under the bloc's methane emissions law on fuel imports until 2035.
Starting this year, the EU requires importers of oil and gas to Europe to monitor and report methane emissions associated with those imports, in a bid to curb emissions of the potent planet-warming gas.
Methane emissions are the second-biggest cause of global warming, after carbon dioxide. (*Reuters*)

The Trump administration proposes reducing fuel economy standards for new vehicles, from the Biden era target of an average of 50 miles per gallon of gasoline to 34.5 miles per gallon by 2031. Consequently, the growth of EVs will slow down. In the fight over fuel economy, multiple factors are in play: climate, pollution, energy security, the automobile market, and consumer costs. As usual, for this administration, the main, if not the only, consideration is the dollar not spent today.
Look ahead to court fights between environmentalists and the Trump administration. (*Axios*)

E.P.A. website listing the causes of climate change no longer includes the main one: human activity.
Recently, the EPA removed from its website information on climate change "indicators" — trends about heat waves, rising sea levels and other effects. (*New York Times*)

Trump Media plans to merge with a company developing nuclear fusion technology would put Trump in competition with other energy companies over which his administration holds financial and regulatory sway. *(New York Times*)

To Top

New York Solar Energy Society (NYSES)
a Chapter of the American Solar Energy Society (ASES)
prepares consumer knowledge handouts about energy conservation and renewable energy and distributes Green Energy Times, a resource publication, to the public throughout eastern New York State and Northern New England. NYSES analyses legislation and state programs and visits with the staff of legislators in New York City, New York State, and Washington, DC.
NYSES is a volunteer, grassroots, membership organization serving the children, families, engineers, architects, and teachers of New York State since 2007.
To encourage the understanding and use of solar energy technologies through public outreach, to be a source of sound technical knowledge, and to provide a forum to address critical regional and state issues relating to solar energy solutions. We address the energy usage of all segments of society by increasing awareness of the benefits of renewables: solar, wind, biomass, geothermal ground source, tidal/wave energy, and energy efficiency.

For more information, please contact:

New York Solar Energy Society
5270 Sycamore Avenue, Bronx, NY 10471
917 974 4606
www.nyses.org

Join and Support NYSES -- http://nyses.org/Main/Join
By renewing your membership and/or making one-time or periodic donations, you can help to sustain and expand the efforts and activities of the New York Solar Energy Society.

Basic Membership	Advance notice of events and legislative policy updates	**$36/year**
Professional Membership	Above benefits plus discount on event admissions	**$100/year**
Business Membership	Above benefits plus sponsorship on conferences	**$500/year**
Sustaining Membership	Above benefits plus Solar Salon NYC sponsor logo on programs and website	**$1,000/year**

To Top

Copyright © 2025 New York Solar Energy Society, Inc., All rights reserved.

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list