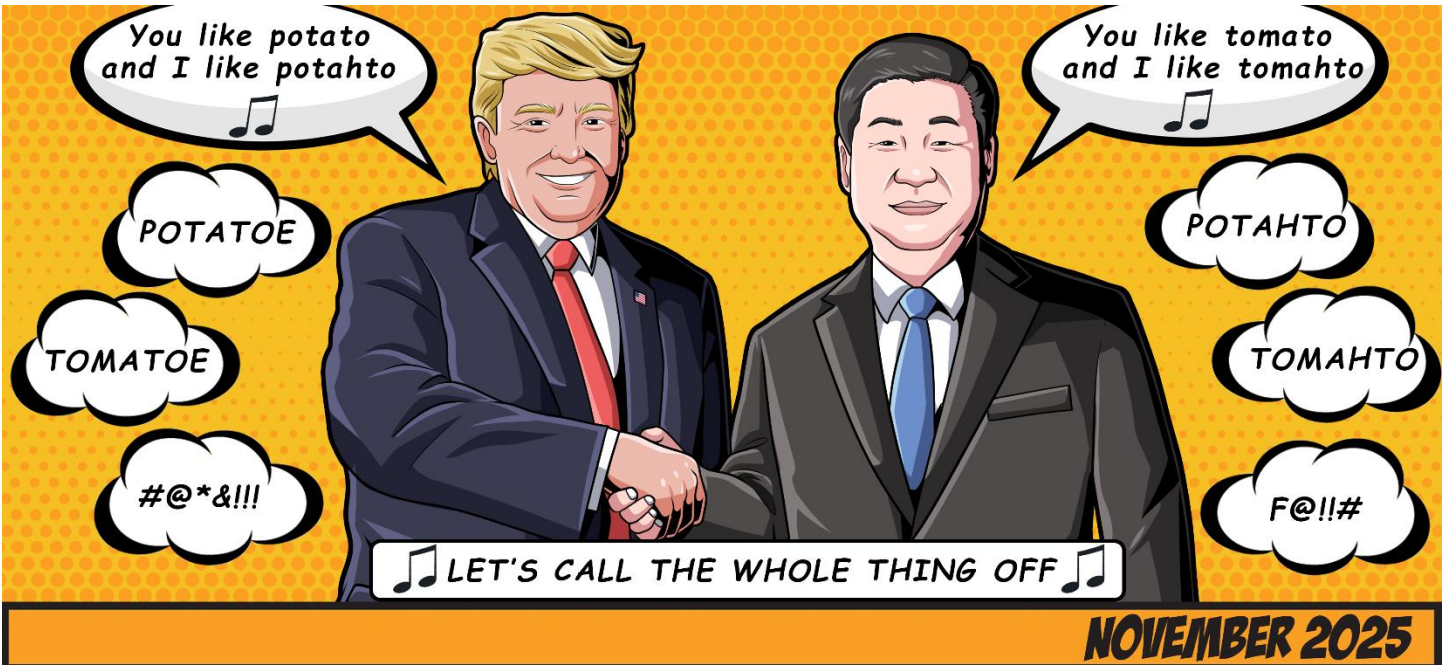


FRACTAL ENERGY STORAGE NEWS



In This Issue

Recent Storage M&A Transactions and Investment News	1
Recent Finance and Tax Equity News	8
MOU and Partnerships	11
Recent Project and Development Announcements	13
Vendor / OEM News	18
Equipment Supply, EPC and O&M Service Agreement Awards	21
Optimization and Virtual Toll Agreement Awards	23
Off-Take / PPA / Awards News	24
Open Energy Storage RFPs/RFQs/RFIs	28
General News	33
Data Center / Energy Storage News	34
Fractal Customer Gift Shop	34
Upcoming Conferences	35
Fractal Energy Storage Consultants News	38
Fractal EMS News	41

Recent Storage M&A Transactions and Investment News

United States

- Nov 20th: EQORE, a distributed battery storage company, announced it has raised \$ 1.7M in oversubscribed seed funding. With this backing from the Massachusetts Clean Energy Center (MassCEC) and seasoned

operators like Henry Ford III of Ford Motor Company and Jonathan Kraft of The Kraft Group. The round enables EQORE to expand its team and accelerate deployments at manufacturing facilities.¹

- **Nov 20th:** Northland Power Inc. (Northland) announced the acquisition of 100% equity interests in two BESS projects totaling 300 MW /1.2 GWh in Poland from Greenvolt Power Group sp. z o. o. The Projects, Mieczysławów (200 MW / 800 MWh) and Kamionka (100 MW / 400 MWh) are in western Poland. A portion of revenue is secured under 17-year capacity auction contracts. Financing and the start of construction are expected in 2026, with an estimated total cost of € 200M.²
- **Nov 14th:** rPlus Energies acquired two solar and energy storage projects in Ada County, Idaho, for a combined total of 900 MW, which strengthens its position as the largest solar and storage developer in the state. The Blacks Creek Energy Center (400 MW Solar PV + 200 MW BESS) was acquired from Qcells, and the Bluebird Solar project (200 MW Solar PV + 100 MW BESS).³
- **Nov 13th:** Norfund, the Norwegian investment fund for developing countries, is investing USD 75M in Mulilo Energy Holdings (Mulilo), providing new capital and taking a minority ownership position in the company. Mulilo currently has 765 MW of wind, solar, and BESS projects under construction and plans to add a further 1 GW to its construction portfolio in 2026.⁴
- **Nov 13th:** Exowatt has secured an additional \$ 50M in funding, led by MVP Ventures and 8090 Industries, to expand its U.S. manufacturing and deploy its thermal energy storage solutions to AI data centers. This new investment is an extension of a previous Series A round and builds on a \$ 20M seed round that includes investors like Sam Altman and Leonardo DiCaprio.⁵
- **Nov 12th:** Dispatch Energy LLC (Dispatch), a full-service provider of distributed energy solutions, announced the acquisition of Green Lantern Solar (GLS), an integrated provider, developer, owner and operator of solar photovoltaic assets. Dispatch will acquire over 64 solar and battery storage projects from GLS, totaling 208.9 MW_{dc}, at various stages of development and operations. This transaction brings Dispatch's total portfolio to 489.5 MW, as the company works to aggregate distributed generation resources nationally.⁶
- **Nov 10th:** Quino Energy, a company developing water-based organic flow batteries, has closed a \$10M Series A funding round from Atri Energy Transition, a company focused on the deployment of Long Duration Energy Storage (LDES). The funding deal also allows the company to call on an additional \$6M of equity funding should the need arise, for a total investment of up to \$16M. The funds will be used to scale production of the Company's proprietary organic flow battery electrolyte beyond the U.S. and demonstrate its efficacy in real-world field pilot demonstrations by pairing it with commercially available flow battery hardware.⁷
- **Nov 6th:** Pine Gate Renewables, LLC (Pine Gate), a leading developer and owner-operator of renewable energy projects across the U.S., announced that it is pursuing a strategic and value-maximizing sales process for substantially all of its assets and business operations. Pine Gate's operations will continue uninterrupted while the company continues to engage in a competitive sales process with multiple interested parties to transition ownership of its solar and energy storage project fleet while preserving jobs and maximizing value.⁸

¹ <https://www.businesswire.com/news/home/20251120243453/en/EQORE-Raises-%241.7-Million-to-Tackle-Soaring-Electricity-Costs-with-Distributed-Battery-Energy-Storage>

² <https://www.globenewswire.com/news-release/2025/11/20/3191814/0/en/Northland-Acquires-Two-Battery-Storage-Projects-in-Poland.html>

³ <https://www.rplusenergies.com/rplus-energies-acquires-900-mw-of-solar-and-storage-projects-in-ada-county-idaho>

⁴ <https://www.globenewswire.com/news-release/2025/11/13/3187050/0/en/Copenhagen-Infrastructure-Partners-and-Norfund-enter-partnership-on-Mulilo.html>

⁵ <https://www.exowatt.com/news/www-exowatt-com-news-series-a-additional-50m-press-release>

⁶ <https://www.globenewswire.com/news-release/2025/11/12/3186075/0/en/Dispatch-Energy-Acquires-Green-Lantern-Solar-GLS-Extending-its-Distributed-Generation-Footprint-Across-Nine-States.html>

⁷ <https://www.globenewswire.com/news-release/2025/11/10/3184516/0/en/Quino-Energy-Closes-10M-6M-in-Series-A-Funding-from-Atri-Energy-Transition.html>

⁸ <https://www.prnewswire.com/news-releases/pine-gate-renewables-announces-comprehensive-agreements-to-facilitate-strategic-and-value-maximizing-sales-process-302607772.html>

- **Nov 6th**: Flux XII, a company that develops advanced materials for aqueous flow batteries, has raised \$ 3.95M in seed funding. The round was led by The Grantham Foundation and included participation from the Wisconsin Alumni Research Foundation (WARF), Desai Ventures, and gener8tor.⁹
- **Nov 12th**: Clarios, a global leader in low-voltage energy storage solutions, announced its acquisition of Maxwell Technologies, a manufacturer of supercapacitor cells and modules utilized in mobility, grid and onsite power applications, including data centers. Terms of the deal were not disclosed.¹⁰
- **Nov 4th**: CBRE Group, Inc. announced the acquisition of Pearce Services, LLC, a leading provider of advanced technical services for digital and power infrastructure, from New Mountain Capital. The initial purchase price is approximately \$ 1.2B in cash plus a potential earn-out of up to \$ 115M, subject to Pearce meeting certain performance thresholds in 2027. Pearce is expected to be immediately accretive to CBRE's core earnings-per-share and will operate as part of the Building Operations & Experience segment.¹¹

International

- **Nov 27th**: Premier Energy acquired a 100% stake in a ready-to-build battery energy storage project in Romania, which will have a 200 MW power capacity and 400 MWh energy storage capacity. The company plans to begin construction in 2026, with commissioning targeted for late 2026 or early 2027.¹²
- **Nov 27th**: Brookfield Asset Management's has made its first renewable energy investments in Southeast Asia through its Catalytic Transition Fund (CTF) to build a large-scale decarbonization platform in the region. Brookfield acquired Singapore-based Alba Renewables, which holds a 1.8 GW pipeline of wind, solar, and battery storage assets across the Philippines and Thailand. Brookfield also purchased a 100 MW operational, long-term contracted wind project in the central region of Vietnam.¹³
- **Nov 26th**: Spanish renewables company Ric Energy Group has acquired a 200 MW BESS project in the Apulia region of southern Italy. The project is in the development pipeline stage. The purchase has increased Ric Energy's total development pipeline in Italy to 942 MW. The specific financial details of the acquisition were not disclosed.¹⁴
- **Nov 25th**: Husk Power Systems has launched its new AI-enabled distributed energy resources (DER) platform, dubbed the "Powering Prosperity" platform, to accelerate clean energy access across the Global South. The company made the announcement at the Africa Investment Forum (AIF), where it began fundraising for its Series E round, targeting \$ 400M in equity and debt.¹⁵
- **Nov 24th**: FP Investment Partners, a fund manager, has completed the initial closing of its European battery storage fund, aiming to secure EUR 500M (approximately USD 575.5M) for investments in energy storage initiatives throughout Europe. The FP Lux European Battery Storage Fund has secured commitments from institutional investors in Germany and has pinpointed its inaugural investments in Germany and Finland.
- **Nov 20th**: Windin' Capital Fund has acquired a 50% interest in a 67 MW Solar PV + 180 MWh BESS project located in Sebeș, Alba County, in central Romania. The name of the original developer or seller of the interest was not disclosed.¹⁶

⁹ <https://www.businesswire.com/news/home/20251103992143/en/Flux-XII-Fundraise-Supercharges-Scaling-of-Disruptive-Grid-Energy-Storage-Technology>

¹⁰ <https://www.prnewswire.com/news-releases/clarios-acquires-maxwell-technologies-extending-commitment-to-new-low-voltage-energy-storage-opportunities-302611523.html>

¹¹ <https://www.businesswire.com/news/home/20251104866195/en/Pearce-Services-Acquisition-Expands-CBREs-Capabilities-to-Serve-Digital-and-Power-Infrastructure>

¹² <https://balkangreenenergynews.com/premier-energy-acquires-400-mwh-battery-energy-storage-project/>

¹³ <https://www.businesstimes.com.sg/companies-markets/energy-commodities/brookfield-builds-decarbonisation-platform-south-east-asia>

¹⁴ <https://ric.energy/en/>

¹⁵ [https://www.huskpowersystems.com/news-insights-articles/husk-launches-ai-enabled-distributed-energy-resources-\(der\)-platform-dedicated-to-powering-prosperity-for-30-million-in-the-global-south](https://www.huskpowersystems.com/news-insights-articles/husk-launches-ai-enabled-distributed-energy-resources-(der)-platform-dedicated-to-powering-prosperity-for-30-million-in-the-global-south)

¹⁶ <https://serbia-energy.eu/romania-windin-capital-enters-market-with-investment-in-sebes-solar-storage-project/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

- **Nov 19th**: Zenith Energy has acquired a 12 MW_p solar project in Puglia, Italy. The developer also acquired nearby land for potential BESS addition subject to permitting and project economics.¹⁷
- **Nov 19th**: Polish renewable energy company R.Power sold a 49.9% equity stake in a portfolio of 56 MW_p of solar and 51 MW of battery storage projects in Poland to Eiffel Investment Group. Terms of the deal were not disclosed.¹⁸
- **Nov 19th**: Gresham House Energy Storage Fund plc (GRID) has signed a conditional agreement to acquire the 100 MW / 200 MWh Elland 2 BESS project in West Yorkshire; the acquisition has not yet been finalized.¹⁹
- **Nov 19th**: Econergy Renewable Energy is expanding its presence in Germany by acquiring rights to two battery storage projects in Bad Lauchstädt, Saxony-Anhalt, with a combined capacity of 435 MW. This move strengthens the company's European storage platform and leverages Germany's position as a leading market for energy storage solutions. The projects are in the final stages of getting building permits (RTB stage).²⁰
- **Nov 18th**: Recurrent Energy, a subsidiary of Canadian Solar, has sold a 275 MW_{dc} solar project with a 120 MW battery storage system in New South Wales, Australia. The buyer of the Gunning Energy Park project was an undisclosed European infrastructure and investment group. The terms and the specific name of the buyer were not disclosed.²¹
- **Nov 17th**: LONGi Green Energy has acquired effective control of battery storage maker PotisEdge, gaining a majority stake through a combination of equity purchase, capital injection, and voting-rights entrustment. This move represents a significant strategic shift for LONGi, which was already the world's largest solar-wafer producer, to integrate energy storage into its business model amid industry challenges like declining solar panel prices. The acquisition combines LONGi's solar manufacturing expertise with PotisEdge's energy storage technology and market position to create a more comprehensive clean energy solution.²²
- **Nov 17th**: TotalEnergies announced the signing of an agreement with Energetický a průmyslový holding, a.s. (EPH) for the acquisition of 50% of its flexible power generation platform (gas-fired and biomass power plants, batteries) in Western Europe (Italy, United Kingdom and Ireland, Netherlands, France), valued at € 10.6B (enterprise value). The transaction will result in the creation of a joint venture (JV) owned 50/50 by TotalEnergies and EPH, which will be responsible for the industrial management of the assets and the business development, while each company will market its share of production under a tolling arrangement with the JV.²³
- **Nov 13th**: British developer Elements Green plans to invest approximately € 2B (\$ 2.32B) in battery storage projects in Germany by the end of 2028. This investment is supported by a development portfolio of eight large-scale projects with a combined capacity of around 3.2 GW. One of these projects is in Alfstedt, Lower Saxony, and has been revised from an initial 400 MW / 800 MWh battery to a 400 MW / 1.6 GWh battery storage system to accommodate a four-hour storage concept.²⁴
- **Nov 10th**: Highview has secured £ 130M in funding to commence work on the first stage of its planned 3.2GWh hybrid LDES solution in Hunterston, Scotland. This brings the total raised to commercialize and roll out Highview's long-duration storage solutions to over £ 500M. This latest investment round, involving Scottish National Investment Bank (SNIB), the British multinational energy and services company Centrica,

¹⁷ <https://news.cision.com/zenith-energy-ltd/r/110-5-mwp-in-solar-projects,c4268199>

¹⁸ <https://www.energyglobal.com/energy-storage/13112025/rpower-and-eiffel-announce-pv-and-bess-transactions-in-poland-and-romania/>

¹⁹ <https://www.londonstockexchange.com/news-article/GRID/anticipated-acquisition-of-100mw-project/17335759>

²⁰ <https://www.energyglobal.com/energy-storage/20112025/econergy-signs-german-storage-option-agreement/>

²¹ <https://recurrentenergy.com/recurrent-energy-executes-sale-of-hybrid-275-mw-dc-solar-and-120-mw-battery-project-in-australia/>

²² <https://finance.yahoo.com/news/chinese-solar-giants-bet-batteries-100000581.html>

²³ <https://totalenergies.com/news/press-releases/totalenergies-accelerates-its-gas-power-integration-strategy-europe-acquiring>

²⁴ <https://renewablesnow.com/news/elements-green-commits-eur-2bn-for-energy-storage-in-germany-1284954/>

and investors including Goldman Sachs, KIRKBI, and Mosaic Capital, will fund construction of the first phase of the Hunterston project, which is expected to be operational in 2027.²⁵

- Nov 1st: SAX Power, a German manufacturer of ESS, completed a third funding round, raising € 10M (~\$ 11.6M) led by Yotta Capital Partners. Other investors included Alb-Donau-Ulm Kapital and private investors. WIPIT acted as an advisor to SAX Power for this transaction.²⁶

FRACTAL ADVISORY

Contact Fractal Advisory about your next sales process at judy@fractalba.com. Fractal Advisory has:

- A robust network of investors and asset owners to maximize your asset(s) exposure
- Unmatched energy storage and market expertise to optimize your investment model and address bidder inquiries
- Ultra-competitive advisory fees to maximize your development return.
- Projects, portfolios, platforms, and major equipment sale processes

PROJECT ANAWA LA OPPORTUNITY – ERCOT SOUTH AC COUPLED PV+S



NBO SUBMISSION DEC 5th
[CLICK HERE](#) to learn more

Fractal, representing our client EIA Properties, Ltd., invites reputable buyers to participate in the Anawa La sale process (the “Process”). This project consists of an AC-Coupled 93.3 MWac Solar PV + 103.7 MW / 207.4 MWh BESS project located in Hidalgo County located in the South Load Zone, Texas (ERCOT), with an expected In-Service Date in Q2 2027. The site is datacenter-ready, with access to multiple fiber lines, natural gas lines, and secured IAs for onsite generation and storage. This is a time-sensitive opportunity for interested parties. Buyers can contact Sean Bruno at sean@fractalba.com.

PROJECT BLACK BEAR OPPORTUNITY – ERCOT SOUTH AC COUPLED PV+S



NBO SUBMISSION DEC 5th
[CLICK HERE](#) to learn more

Fractal, representing our client Escondido Draw Resources, LLC, invites reputable buyers to participate in the Blackbear sale process (the “Process”). This project consists of an AC-Coupled 102.9 MWac PV + 51.2 MW / 102.4 MWh BESS project located in Crockett County located in the South Load Zone, Texas (ERCOT), with an expected In-Service Date in Q2 2028. This is a time-sensitive opportunity for interested parties. Buyers can contact Sean Bruno at sean@fractalba.com.

²⁵ <https://www.businesswire.com/news/home/20251110590267/en/Highview-Surpasses-Half-a-Billion-Pounds-of-Funding-With-Latest-%C2%A3130M-Capital-Raise-for-Phase-One-of-Long-Duration-Energy-Storage-Facility-at-Hunterston-Ayrshire>

²⁶ https://dealert.ai/deal_public/yotta-capital-partners-sax-power-2025-qr69

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

PROJECT EPOQUE OPPORTUNITY – ERCOT WEST ZONE DG BESS PROJECT



THIS PROCESS IS IN PHASE 2 AND IS STILL ACCEPTING OFFERS – CONTACT US ASAP

[CLICK HERE](#) to learn more.

Project Epoque sale process features a standalone project features a 9.9 MW_{ac}, 2-hour BESS located in the Houston Load Zone, Texas (ERCOT), with an expected In-Service Date in Q3 2027. The project has an executed SGIA and has already paid for the interconnection upgrade. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Sean Bruno at sean@fractalba.com.

PROJECT KNAPP OPPORTUNITY – ERCOT WEST ZONE DG BESS PROJECT



THIS PROCESS IS IN PHASE 2 AND IS STILL ACCEPTING OFFERS – CONTACT US ASAP

[CLICK HERE](#) to learn more.

The Project Knapp sale process features a standalone project consists of a 9.9 MW_{ac}, 2-hour BESS located in the ERCOT West, with an expected In-Service Date of **next month**. The project is **UNDER CONSTRUCTION** and has a nodal volatility in the **TOP 4% of ERCOT**. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Sean Bruno at sean@fractalba.com.

PROJECT REDZONE SALE PROCESS – DATA CENTER READY ERCOT BESS

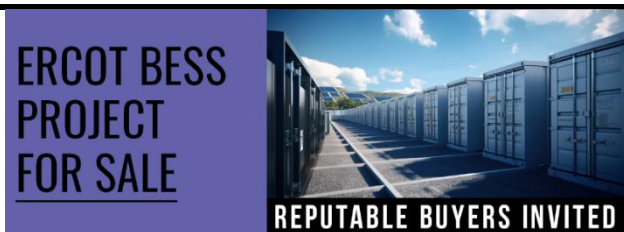


NBO DEADLINE HAS PASSED. ACCEPTING BACKUP OFFERS ONLY.

[CLICK HERE](#) to learn more.

The Project Redzone sale process features a portfolio of one (1) AC-Coupled 240 MW_{ac} PV + 200 MW / 400 MWh BESS project located in Kinney County, Texas (ERCOT South – target COD Q4 2027) and one (1) standalone 200 MW / 400 MWh BESS located in Midland County, Texas (ERCOT West – target COD Q4 2027). Both sites are datacenter-ready, with access to multiple, redundant fiber lines, natural gas lines, and secured IAs for onsite generation and storage. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Aaron Barker at aaron@fractalba.com.

PROJECT MALONEY SALE PROCESS – ERCOT WEST ZONE BESS



THIS PROCESS IS IN PHASE 2 AND IS STILL ACCEPTING OFFERS – CONTACT US ASAP

[CLICK HERE](#) to learn more.

The Project Maloney sale process features a 200 MW_{ac} / 400 MWh BESS in Wichita County, Texas, West Zone, in ERCOT, with an anticipated In-Service Date of Q4 2027. The project includes a term sheet for a Toll and Revenue Collar (optional). Fractal Advisory is running this process on behalf of Suncode Energy. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Sean Bruno at sean@fractalba.com.

PROJECT CANTALOUPE SOLAR SALE PROCESS – ERCOT WEST DC COUPLED PV+S

**ERCOT DC
COUPLED PVS
FOR SALE**

REPUTABLE BUYERS INVITED

The Project Cantaloupe Solar sale process features a DC-coupled Solar PV + BESS in Reeves County, in the West Load Zone, ERCOT, with a Ready to Build date of June 2025, with attractive economics. Fractal Advisory is running the process on behalf of Alt Energy Developments. This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Aaron Barker at aaron@fractalba.com.

THIS PROCESS IS IN PHASE 2 AND STILL ACCEPTING OFFERS – CONTACT US ASAP

[CLICK HERE](#) to learn more.

DOMESTIC 120 MVA MAIN POWER TRANSFORMER - SALE PROCESS OPPORTUNITY

**120 MVA MPT
230 kV : 34.5 kV
FOR SALE**

REPUTABLE BUYERS INVITED

Fractal Advisory, on behalf of our client invites reputable buyers to join the Domestic 120 MVA Main Power Transformer (MPT) Sale process (the “Process”). The MPT is currently warehoused in South Carolina and available for immediate sale. The MPT has an active (transferrable) warranty until April 2031.

NBO SUBMISSION DEADLINE IS FRIDAY, NOVEMBER 7, 2025 AT 5 P.M. CT.

[CLICK HERE](#) to learn more.

This is a time-sensitive opportunity for interested parties. Buyers prepared to submit an NBO may request the process letter and access to the VDR by contacting Aaron Barker at aaron@fractalba.com.

PROJECT DAMON OPPORTUNITY – TEXAS HOUSTON DG BESS PROJECT

**ERCOT BESS
PROJECT
FOR SALE**

REPUTABLE BUYERS INVITED

Fractal, representing our client invites reputable buyers to participate in the Project Damon process (the “Process”). This standalone project consists of a 9.95 MW_{ac}, 2-hour BESS located in the ERCOT Houston Load Zone, Texas (ERCOT), with an expected In-Service Date of Q3 2026. The project has an executed SGIA and has already paid for the interconnection fees. This is a time-sensitive opportunity for interested parties. Interested Buyers can contact Sean Bruno at sean@fractalba.com.

**NDA SUBMISSION DEADLINE IS OCT 24th
NBO SUBMISSION DEADLINE IS OCT 31st**

[CLICK HERE](#) to learn more

ATTENTION PJM/MISO/SPP DEVELOPERS – EMAIL US AT INFO@FRACTALBA.COM

Fractal has aggressive buyers seeking new sponsorship for renewable (wind/solar) and BESS development assets (projects/portfolios) in SPP, MISO/DPP or PJM/Transition Cycle, with an active or executed GIA. Buyer credentials:

- **Commercialization Expertise:** Extensive experience in all three technologies.
- **Tax Efficiency:** Well-positioned for ITC cliffs and tax efficiencies.
- **Rapid Growth:** Aggressive MW ownership growth metrics provide path to a quick and attractive exit.

Recent Finance and Tax Equity News

United States

- **Nov 24th**: NeoVolta Inc. (NeoVolta), a U.S.-based energy technology company delivering scalable storage for resilient residential and commercial power infrastructure, announced that it has entered into agreements for a \$ 13M private placement financing anchored by Infinite Grid Capital (IGC), in connection with a long-term relationship to support NeoVolta's next phase of scalable growth and U.S.-based manufacturing expansion. The facility under consideration is designed for an initial annual capacity of approximately 2 GWh, with a focus on utility-level and commercial & industrial (C&I) BESS.²⁷
- **Nov 21st**: Return, Europe's leading independent provider of energy storage solutions, is implementing a 13 MW / 29 MWh BESS in Brietlingen, Lower Saxony, scheduled for completion by the end of 2026. The facility has reached financial close with support from Deutsche Anlagen-Leasing (DAL) and its financing partner Deutsche Leasing Finance. Technology partners will be CATL and Rolls Royce.²⁸
- **Nov 20th**: ForeFront Power, a leading developer and asset manager of C&I solar energy and battery storage projects, has closed its ninth distributed generation fund, including a debt financing package with a consortium of leading financial institutions, as well as a partial equity sell-down of a 95 MW distributed generation portfolio to an unnamed investor. The investment tax credits from the portfolio, which spans four U.S. states and more than 100 behind-the-meter (BTM) solar energy and battery storage projects, are subject to a \$ 210M purchase commitment from a separate counterparty. The combined, undisclosed capital from the debt financing, the partial equity sell-down, and the \$ 210M tax credit sale will enable ForeFront Power to advance construction of its development pipeline over the next two years while deploying cash to support continued platform growth. MUFG Bank, Ltd. acted as lead arranger and administrative agent for the debt financing, with participation from collateral agent Cadence Bank, and additional co-lenders Sumitomo Mitsui Trust Bank and Mitsubishi HC Capital America.²⁹
- **Nov 13th**: Peregrine Energy Solutions (Peregrine), an integrated multi-technology clean energy platform with a focus on utility-scale battery storage, announced it has closed a preferred equity commitment with Bildmore Clean Energy for a battery energy storage project that is currently under construction. Concurrently, Peregrine also secured financing from a club of lenders: First Citizens Bank and Societe Generale acted as coordinating lead arrangers, Siemens Financial Services as a joint lead arranger, and East West Bank as an additional lender in the facility.³⁰
- **Nov 11th**: Foss & Company, a leading tax equity syndicator, and GridStor, an owner and operator of large-scale battery energy storage facilities, announced the successful \$ 86M direct transfer of investment tax credits (ITCs) generated by GridStor's Hidden Lakes Reliability Project. The 220 MW / 440 MWh BESS will be in Galveston County, Texas.³¹
- **Nov 11th**: Clēnera Holdings, the U.S. arm of Enlight Renewable Energy, secured a \$ 1.44B debt package to finance the Snowflake A solar-plus-storage project in Arizona. The project, located near Holbrook, will combine 600 MW of solar generation with 1,900 MWh of energy storage, and is expected to reach commercial operation in the second half of 2027. The \$ 1.44B debt financing was provided by a group of six

²⁷ <https://www.globenewswire.com/news-release/2025/11/24/3193495/0/en/NeoVolta-Enters-into-Definitive-Agreements-Led-by-Infinite-Grid-Capital-to-Advance-2-GWh-U-S-Battery-Energy-Storage-System-Manufacturing-Initiative.html>

²⁸ <https://return.energy/news/return-secures-financing-for-large-scale-bess-in-brietlingen-to-strengthen-northern-germanys-grid>

²⁹ <https://www.businesswire.com/news/home/20251120502982/en/ForeFront-Power-Closes-its-Ninth-Fund-for-Distributed-Clean-Energy-Generation>

³⁰ <https://www.prnewswire.com/news-releases/peregrine-energy-solutions-secures-funding-to-support-a-317-million-battery-energy-storage-project-currently-under-construction-302615092.html>

³¹ <https://www.prnewswire.com/news-releases/foss--company-partners-with-gridstor-on-86-million-tax-credit-transfer-for-hidden-lakes-battery-storage-project-302597211.html>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

lenders: Wells Fargo Bank, BNP Paribas, Natixis Corporate and Investment Banking, Nord/LB, Crédit Agricole Corporate and Investment Bank, and MUFG Bank.³²

- **Nov 8th:** Moment Energy, one of North America's leading EV battery repurposing companies, announced it has secured \$ 5M in growth financing from TD Innovation Partners (TDIP), the innovation banking division of The Toronto-Dominion Bank. Moment Energy will use the funds to accelerate the repurposing of lithium-ion batteries into safe, high-performance, and compliant ESS for commercial, industrial, and utility applications.³³
- **Nov 5th:** Plus Power™ announced a USD 95M tax equity investment from Morgan Stanley for its Cranberry Point Energy Storage project (150 MW / 300 MWh BESS) in Carver, Massachusetts, and USD 65M for its Cross Town project (175 MW / 350 MWh BESS) in Maine.³⁴
- **Nov 4th:** BrightNight, a leading next-generation power and digital infrastructure company, together with its JV partner, Cordelio Power, announced reaching financial close for Pioneer Clean Energy Center, a 300 MWac solar plant combined with a 300 MW / 1,200 MWh battery energy storage facility in Yuma, Arizona. Pioneer's financing was supported by a syndicate of leading lenders including Crédit Agricole, MUFG, Royal Bank of Canada, National Bank of Canada, CoBank, and ING. Full on-site construction on Pioneer is underway, with commercial operation expected by April 2027.³⁵
- **Nov 1st:** Flatiron Energy (Flatiron) announced that it has closed on an expansion of its existing \$ 125M credit facility closed in 2024 (Credit Facility) with certain funds and accounts managed by HPS Investment Partners (HPS), bringing the total facility size to \$ 250M. The Company will utilize the Credit Facility for development and construction expenses associated with its development and under-construction portfolio of approximately 4.5GW / 18 GWh of utility-scale battery storage assets. In addition, Flatiron's existing equity capital partner, Hull Street Energy, LLC (HSE), increased its equity commitment to the Company.³⁶

International

- **Nov 24th:** Generadora Metropolitana has secured non-recourse financing for its Dune Plus solar-plus-storage project in Chile's Antofagasta region, with a total investment of USD 629M. The project, which officially began construction in November 2025, is a hybrid system combining solar PV and 333 MW / 1,334 MWh BESS. The funding was provided by a consortium of international banks, including BNP Paribas, Crédit Agricole CIB, MUFG Bank, Société Générale, and Sumitomo Mitsui Banking Corporation, along with VAT financing from Banco de Crédito e Inversiones (BCI).³⁷
- **Nov 20th:** Elawan Energy has obtained € 3.8M in Spanish state funding to install two battery systems totaling 31.3 MWh at its operating wind and solar sites in Albacete, Spain. The grant was awarded by Spain's energy efficiency agency, IDAE, and is co-financed by the European Regional Development Fund.³⁸
- **Nov 19th:** Neoen has agreed to sell a 760 MW portion of its French renewable energy portfolio, which includes 52 assets (37 solar, 14 wind, and 1 battery storage facility), to the Italian company Plenitude, a subsidiary of Eni. Neoen will continue to provide asset management services for the portfolio after the sale, and the transaction is expected to be finalized by the end of 2025, subject to regulatory approvals.³⁹

³² <https://www.clenera.com/news/enlight-clenera-announce-1-44-billion-debt-financing-for-flagship-snowflake-a-project-in-arizona>

³³ <https://www.prnewswire.com/news-releases/moment-energy-secures-5-million-in-debt-financing-from-td-innovation-partners-to-help-advance-global-shift-toward-clean-reliable-energy-storage-302617617.html>

³⁴ <https://www.prnewswire.com/news-releases/plus-power-secures-160-million-in-tax-equity-investments-for-its-landmark-iso-ne-battery-storage-projects-302604935.html>

³⁵ <https://www.prnewswire.com/news-releases/brightnight-and-cordelio-power-reach-financial-close-for-300-mw--1-200-mwh-pioneer-hybrid-renewable-project-in-arizona-302604168.html>

³⁶ <https://www.businesswire.com/news/home/20251029642794/en/Flatiron-Energy-Materially-Upsizes-Corporate-Credit-Facility-and-Equity-Commitments-to-Grow-Battery-Energy-Storage-IPP>

³⁷ <https://www.bnamericas.com/en/news/generadora-metropolitana-begins-construction-of-a-large-scale-energy-storage-project>

³⁸ https://www.linkedin.com/posts/infrabe_elawan-secures-38m-boost-for-battery-projects-activity-7397196232651227137-nPAc

³⁹ <https://neoen.com/en/news/2025/neoen-divests-an-operating-portfolio-of-760-mw-in-france-to-plenitude/>

- **Nov 19th:** CrossBoundary Energy (CBE) has secured USD 200M of additional senior debt, closing a second tranche of a portfolio financing facility arranged by The Standard Bank of South Africa Limited (SBSA), first closed in December 2024. This new transaction increases CBE's senior debt commitments and expands additional ancillary facilities. The transaction will further the construction of CrossBoundary Energy's renewable energy infrastructure in Africa, providing energy-as-a-service to customers in mining, heavy industry, and telecommunications. Projects currently under construction include the groundbreaking Kamoakakula Solar PV/BESS Baseload Project in the DRC, which will provide 30 MW of baseload power to Kamoak Copper S.A., Africa's largest copper mine. SBSA was the mandated lead arranger of the transaction. Additional participation in the facility came from a consortium of lenders, including Absa, The Mauritius Commercial Bank (MCB), the Facility for Energy Inclusion (FEI), Deutsche Investitions und Entwicklungsgesellschaft mbH (DEG), and the Dutch entrepreneurial development bank (FMO).⁴⁰
- **Nov 19th:** Econergy Renewable Energy secured a € 25M project finance deal with Vista Bank (Romania) for its 56 MW Scurtu Mare solar project in Teleorman County, Romania. The funds will be used to refinance previous loans from the Phoenix Group and cover other project expenses. The company also plans to add a 42 MW BESS to the site, requiring an additional investment of € 12M.⁴¹
- **Nov 19th:** Aukera secured a € 60M debt facility from Kommunalkredit Austria to fund a new 250 MW / 500 MWh battery storage project in Gura Ialomitei, Romania. The project, Aukera's first in Romania, is being built in two phases, with the first phase already underway. The entire facility is expected to be operational by mid-2026.⁴²
- **Nov 14th:** The European Bank for Reconstruction and Development (EBRD) is providing € 22.3M to the Ukrainian energy company Power One to strengthen Ukraine's energy security. The funding will support the construction of 36.8 MW of new gas-piston power plants and 31.5 MW of BESS in western Ukraine to help stabilize the electricity supply.⁴³
- **Nov 14th:** The EBRD is considering providing non-recourse, long-term senior project financing to Vienna-based Renalfa IPP for a solar and battery storage project in northeastern Hungary. This project will involve 450 MW of solar capacity and 250 MW / 1,000 MWh of co-located battery storage. The loan will be provided to five specific project companies (Egur Solar Kft, Holmu Solar Kft, Pata Solar Kft, Urus Solar Kft, and Zenu Solar Kft).⁴⁴
- **Nov 12th:** Octopus Australia has achieved financial close on the AUD 900M (USD 587M) Blind Creek solar-plus-storage project in New South Wales. The project, located near Bungendore, pairs a 300 MW solar farm with a 243 MW / 486 MWh BESS. Construction is expected to begin in the third quarter of 2025 and last for 18-24 months.⁴⁵
- **Nov 11th:** Germany's Federal State of Hesse is launching a € 1B guaranteed loan program to support municipal energy suppliers in their energy transition projects, including investments in heating networks, renewable electricity, hydrogen infrastructure, and energy storage. The state development bank, WIBank, will manage the program, which is open to municipal energy providers in Hesse from 2025 to 2028 (with a possible extension).⁴⁶
- **Nov 10th:** European Energy and its co-owner, Sampension, have secured € 37.9M (~\$ 43.89M) in long-term financing for a hybrid solar and energy storage project in Saldus, Latvia. The project will feature a 65 MW

⁴⁰ <https://crossboundaryenergy.com/crossboundary-energy-secures-us200m-senior-debt-to-further-renewable-energy-portfolio-in-africa/>

⁴¹ <https://www.energyglobal.com/solar/04112025/econergy-secures-25-million-project-financing-for-solar-project-in-romania/>

⁴² <https://finance.yahoo.com/news/aukera-energy-first-standalone-bess-092234792.html>

⁴³ <https://www.reuters.com/sustainability/boards-policy-regulation/ebrd-lends-22-million-euros-ukrainian-power-firm-more-deals-ahead-2025-11-13/>

⁴⁴ <https://www.ebrd.com/home/news-and-events/news/2025/holdco-financing-for-renalfa-ipp.html>

⁴⁵ <https://octopusinvestments.com.au/news-and-insights/>

⁴⁶ <https://renewablesnow.com/news/hesse-launches-eur-1bn-loan-programme-for-energy-transition-projects-1284798/>

- solar park and a 92 MWh BESS. Construction will be completed in late 2026.⁴⁷
- **Nov 7th:** Alight and 3Flash received a multi-million-euro grant from the European Commission's Innovation Fund for a large-scale solar project in Loviisa, Finland. The project, co-developed with 3Flash, will be an approximately 120 MW solar park with a 45 MW BESS. The project was one of 61 selected from 373 applicants.⁴⁸
 - **Nov 6th:** Akaysha Energy secured AUD 460M (~\$ 299M) in financing from eight international and domestic banks to construct its Elaine BESS in Victoria, Australia. The financing was provided by BNP Paribas, CIBC, Commonwealth Bank of Australia, ING, Mizuho, MUFG, SMBC, and Société Générale, and construction has already begun. This project is underpinned by a 15-year Virtual Tolling Agreement with Snowy Hydro.⁴⁹
 - **Nov 5th:** Greenvolt Group has secured a € 35M project finance agreement with Ringkjøbing Landbobank to fund a hybrid solar and battery storage project in Høegholm, Denmark. The project combines a 97.36 MW solar farm with a 55–60 MW / 110–120 MWh BESS, aiming to begin commercial operations in the first quarter of 2026.⁵⁰
 - **Nov 4th:** The JV Baltic Storage Platform, a collaboration between Corsica Sole, Evecon, and Mirova, has secured € 85.6M in financing for two Estonian battery energy storage projects, Hertz 1 and Hertz 2. The funding will come from the European Bank for Reconstruction and Development (EBRD), Edmond de Rothschild Asset Management, and the Nordic Investment Bank (NIB).⁵¹

FINANCIAL, TECHNICAL, AND COMMERCIAL DUE DILIGENCE

Fractal provides energy storage due diligence services for assets, projects, portfolios, and platforms, supporting project finance, construction lending, acquisition, and investment, preferred equity, or tax equity transactions. Our two-part process includes a red flag report and a consolidated confirmatory diligence report to de-risk the potential investment or acquisition of early-stage, late-stage, or operating assets. Our team of SMEs can quickly identify commercial gaps and assess risk across revenues, costs, technical design, and all agreements. Contact us today for more information about financial, technical, and commercial due diligence services.



MOU and Partnerships

International

- **Nov 27th:** Ingrid, a leading Nordic company specializing in grid technology and energy flexibility, has partnered with Energiequelle GmbH, an international developer, operator, and service provider in renewable energy, to co-develop 200 MW of grid-scale BESS across Germany. Under the agreement, Energiequelle will handle project development, while Ingrid will finance, operate, and optimize the storage assets using its proprietary trading and optimization platform.⁵²
- **Nov 24th:** Chad and Axian Energy have signed a memorandum of understanding (MOU) to build a 100 MW solar power plant with 50 MWh of battery storage in the capital, N'Djamena. This project is a significant step for Chad to expand its clean energy infrastructure, aiming to decrease reliance on fossil fuels and improve

⁴⁷ <https://europeanenergy.com/2025/11/10/european-energy-secures-financing-for-hybrid-solar-and-storage-project-in-latvia/>

⁴⁸ <https://www.alight-energy.com/en/alight-receives-multi-million-grant-from-the-eu-innovation-fund-for-pioneering-solar-project-in-finland/>

⁴⁹ <https://www.pv-magazine-australia.com/2025/11/06/akaysha-energy-closes-460-million-construction-financing-the-elaine-bess/>

⁵⁰ <https://greenvolt.com/greenvolt-secures-e35-million-financing-for-large-scale-hybrid-project-of-over-150-mw-in-denmark/>

⁵¹ <https://www.nib.int/files/051d964316b461d45c83d786098d7c9ca79a809d/pr-baltics-storage-platform-en.pdf>

⁵² <https://www.energiequelle.com/news/Ingrid-and-Energiequelle-announce-strategic-partnership>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

access to electricity for its citizens.⁵³

- **Nov 21st**: Ras Al Khaimah Economic Zone (RAKEZ) and Emerge, a JV between Masdar and EDF Power Solutions, signed an MOU to increase renewable energy use in the emirate's industrial and business sectors. This collaboration will focus on projects solar, battery storage and hybrid systems.⁵⁴
- **Nov 21st**: NTPC Green Energy Limited (NGEL) and The Singareni Collieries Company Limited (SCCL) have signed a MoU to jointly develop renewable energy projects, including solar, wind, hybrid, and green hydrogen. The agreement, signed on November 19, 2025, aims to explore business opportunities in these clean energy sectors, marking SCCL's expansion beyond its traditional coal mining operations. The partnership will focus on developing a range of renewable energy projects, such as solar, wind, and hybrid power plants, with or without storage.⁵⁵
- **Nov 18th**: EnergyPathways Plc and Siemens Energy AG have signed a preliminary agreement to collaborate on developing LDES systems using compressed air energy storage (CAES) technology. The partnership will combine Siemens' engineering expertise with EnergyPathways' geo-storage know-how to create modular, scalable CAES systems that can store excess renewable power and provide low-carbon energy for multi-day operation, potentially using hydrogen-compatible power systems. The first project for this collaboration is expected to be the UK's Marram Energy Storage Hub (MESH) project.⁵⁶
- **Nov 17th**: Dubai-based Etihad Water and Electricity (EtihadWE) has signed a MOU with ePointZero, a global investment platform under the International Holding Company (IHC), to explore new power generation initiatives and accelerate the UAE's clean energy transformation. As part of the collaboration, both entities will work together to develop projects under EtihadWE's Self-Generation Program, covering gas, renewable energy, and battery storage solutions.⁵⁷
- **Nov 17th**: Spanish developer Solaria announced a € 2.B plan for 2026–2028 to triple its operational capacity to 9 GW by the end of 2028, combining solar, wind, and battery storage. The company has established a new JV with Stoneshield Capital named GravyX. This JV will develop, execute, and operate stand-alone BESS projects across Europe. It has an initial equity investment capacity of € 200M and a pipeline of 14 GWh. The company also plans to sign long-term PPAs that involve co-locating two-to-four-hour battery storage at existing and future solar sites.⁵⁸
- **Nov 14th**: Associated British Ports (ABP) has partnered with BW ESS to install a 200 MW / 500 MWh BESS at the Port of Southampton. This project, located on a brownfield site at Marchwood Industrial Park, will be developed and operated by BW ESS and is expected to become fully operational by late 2028.⁵⁹
- **Nov 10th**: EDP Renewables Australia (EDPR) and the Queensland Investment Corporation (QIC) are partnering on the Punchs Creek Renewable Energy Project, located southwest of Toowoomba, Australia. The project will feature a 480 MW solar farm and a 400 MW / 1,600 MWh battery storage system, with financial close targeted for early 2026. This collaboration is the first large-scale Australian project for EDPR and marks the beginning of a potential long-term partnership between the two companies to develop future renewable energy projects in the country.⁶⁰
- **Nov 8th**: GenVision, Tatanga Energy, and AMDG Energy have partnered to build a 300 MW solar farm with 800 MWh of battery storage in Zambia's Copperbelt region, near Kitwe. The project is intended to support Zambia's energy transition by providing affordable, clean power, which will help reduce the nation's power

⁵³ <https://www.africa-energy.com/news-centre/article/chad-axian-signs-mou-large-solar-storage-plant>

⁵⁴ <https://masdar.ae/en/news/newsroom/rakez-and-emerge-join-forces-to-advance-clean-energy-solutions-in-ras-al-khaimah>

⁵⁵ <https://www.constructionworld.in/energy-infrastructure/power-and-renewable-energy/ntpc-green-sccl-sign-pact-to-jointly-develop-re-projects/82060>

⁵⁶ <https://www.londonstockexchange.com/news-article/EPP/cooperation-agreement-with-siemens-energy/17333623>

⁵⁷ <https://emiratitimes.com/etihadwe-epointzero-partner-clean-energy-projects/>

⁵⁸ <https://list.solar/news/solaria-maps/>

⁵⁹ <https://www.abports.co.uk/news-and-media/latest-news/2025/abp-southampton-boosts-energy-resilience-through-advanced-storage-deal/>

⁶⁰ <https://www.edp.com/en/asia-pacific/australia/edp-and-qic-sign-exclusivity-agreement-large-solar-and-storage-project>

deficit and strengthen grid stability.⁶¹

- **Nov 6th**: HiTHIUM, a leading global provider of long-duration energy storage technology, has announced a strategic cooperation agreement with El-Mor Renewable Energy, one of Israel's largest EPC. El-Mor will design and build BESS and related infrastructures for multiple projects with a total capacity of 1.5GWh and total power of 300 MW. The projects will include multiple landmark installations, among which is RAMAT BEKA 1GWh PV+BESS project - the largest project of its kind in the region - setting a new benchmark for grid flexibility in the region. HiTHIUM will supply its ∞Power 6.25MWh BESS, a one-stop solution covering both DC and AC systems.⁶²
- **Nov 6th**: Green Flexibility and Hansa Battery have signed a framework agreement to acquire five large-scale battery storage projects in Germany, totaling around 500 MW. Hansa Battery will develop the projects to a ready-to-build stage, after which Green Flexibility will take over the financing, implementation, and long-term operation of the systems.⁶³
- **Nov 6th**: SAEL Industries Limited has signed a MOU with the Government of Andhra Pradesh to invest ₹22,000 crore in projects including solar and battery storage. The agreement, signed in November 2025, covers the development of over 1,750 MW of solar and BESS in the Kadapa and Kurnool districts, implemented through a tender-based process in line with state regulations.⁶⁴
- **Nov 4th**: China Petroleum & Chemical Corporation (Sinopec) and LG Chem announced the signing of a joint development agreement on key materials for sodium-ion batteries. Under the agreement, the two companies will collaborate on the development of cathode and anode materials for sodium-ion batteries, targeting applications in ESS and low-speed electric vehicles across China and global markets. The partnership aims to accelerate the commercialization of sodium-ion battery technologies, establish new business models, and extend cooperation into broader new energy and high-value materials sectors in the future.⁶⁵
- **Nov 3rd**: Power equipment provider Fox ESS has signed two strategic agreements with Australian distributors OSW and Solar Juice to facilitate the deployment of a combined 3 GWh of BESS in Australia. The partnerships, announced at the All Energy 2025 exhibition in Melbourne, involved: An agreement with OSW (One Stop Warehouse), a premier solar wholesaler, for 2 GWh of energy storage projects. A deal with Solar Juice, a prominent renewable energy distributor, for 1 GWh of battery storage projects.⁶⁶

Recent Project and Development Announcements

United States

- **Nov 26th**: Clean energy developer and IPP RWE announced it commissioned Stoneridge Solar (200 MW Solar PV + 100 MW / 200 MWh BESS) in Milam County, Texas. RWE's energy capacity across the U.S. has grown to more than 11 GW.⁶⁷
- **Nov 18th**: ForeFront Power and the City of Vacaville (California) inaugurated a new 5 MW_p solar and BESS at the City's Easterly Wastewater Treatment Plant (EWWTP).⁶⁸
- **Nov 14th**: Solaria Energía y Medio Ambiente has received environmental clearance to install 908 MWh of

⁶¹ <https://energy-news-network.com/industry-news/genvision-tatanga-energy-and-amdg-energy-partner-to-develop-300-mw-solar-power-project-in-zambias-copperbelt/>

⁶² <https://www.prnewswire.com/il/news-releases/hithium-and-el-mor-renewable-energy-announce-a-strategic-cooperation-to-develop-1-5gwh-long-duration-energy-storage-projects-in-israel-302607017.html>

⁶³ <https://www.green-flexibility.com/en/post/cooperation-with-hansa-battery-green-flexibility-expands-project-pipeline-by-500-mw>

⁶⁴ <https://m.economictimes.com/industry/renewables/sael-industries-to-invest-rs-22000-crore-in-andhra-pradesh/articleshow/125109217.cms>

⁶⁵ <https://www.prnewswire.com/ae/news-releases/sinopec-and-lg-chem-sign-agreement-to-jointly-develop-sodium-ion-battery-materials-302603755.html>

⁶⁶ <https://www.fox-ess.com/fox-ess-and-osw-ink-strategic-partnership-for-2gwh-energy-storage-projects-at-all-energy-2025/>

⁶⁷ <https://www.prnewswire.com/news-releases/rwe-brings-more-american-generated-power-to-texas-with-stoneridge-project-302626092.html>

⁶⁸ <https://www.businesswire.com/news/home/20251118059375/en/City-of-Vacaville-and-ForeFront-Power-Energize-Easterly-Wastewater-Treatment-Plant-Solar-and-Storage-Project>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

BESS across 11 of its photovoltaic (PV) plants located in the Spanish regions of Castile-La Mancha and Castile and León. This recent approval, granted in November 2025, brings Solaria's total approved BESS capacity in Spain to 1,688 MWh in less than two months.⁶⁹

- **Nov 8th**: Enel North America has completed its largest U.S. power plant, the 911 MW_{dc} GulfStar facility in Wharton County, Texas, by bringing its 556 MW_{dc} solar plant online. The project also includes a co-located 355 MW BESS and is a significant expansion for the company, which is now the third-largest U.S. battery storage operator.⁷⁰
- **Nov 7th**: Fullmark Energy, a leading independent power producer focused exclusively on energy storage, yesterday announced the commercial operations date (COD) of its 65 MW / 130 MWh San Jacinto storage project in Banning, California. The milestone marks the final project within Fullmark Energy's Redwood Projects 105 MW portfolio.⁷¹
- **Nov 4th**: GridStor, a developer and operator of utility-scale BESS, dedicated its Hidden Lakes Reliability Project facility (220 MW / 440 MWh BESS) with public officials and regional business leaders.⁷²
- **Nov 4th**: Constellation announced a long-range proposal to invest in up to 5,800 MW of power generation and battery storage projects in Maryland to meet rising demand for electricity, lower utility bills and usher in the next generation of clean and lower-carbon energy resources to power the state's economic growth. The proposal offers Maryland leaders a menu of options so they can make informed decisions about how to power the state's economy and address climate change in the most cost-effective way for generations to come. Constellation submitted battery storage and gas generation proposals to the Maryland Public Service Commission (PSC).⁷³
- **Nov 3rd**: Xcel Energy filed plans with Minnesota regulators to build a 600 MW BESS at the Sherco power site in central Minnesota, calling it the Midwest's largest battery project. The facility would be sited near the coal-fired Sherco station in Becker, repurposing existing grid infrastructure.⁷⁴
- **Nov 1st**: Vistra Corp. has canceled plans to build a 600 MW BESS facility in Morro Bay, California. The California Energy Commission confirmed the decision on November 20, 2025, after Vistra informed them they would not proceed. Vistra applied for a development permit with the city of Morro Bay in 2020 to construct the facility on the site of the retired Morro Bay Power Plant. The project encountered community opposition, and concerns were heightened by a battery fire at Vistra's Moss Landing facility.

International

- **Nov 27th**: Potentia Energy's Tallawang Solar Hybrid (500 MW Solar PV + 500 MW / 1 GWh BESS) project near Gulong, New South Wales, received environmental approval from the Commonwealth Government under the EPBC Act. Construction will begin in early 2027 and operations to follow in 2030.⁷⁵
- **Nov 26th**: China is advancing a major compressed air energy storage (CAES) project in Sanmenxia's Shanzhou district, a 700 MW / 4,200 MWh facility developed by Zhongchu Guoneng (Beijing) Technology Co., Ltd. (ZCGN). The six-hour-duration system is designed to support Henan province's goal of integrating more intermittent renewable energy into its power grid by providing long-duration storage.⁷⁶
- **Nov 24th**: Abu Dhabi is developing the world's first giga-scale renewable energy facility with a 5.2 GW solar

⁶⁹ <https://ae.marketscreener.com/news/solaria-obtains-environmental-impact-approval-for-battery-installation-in-11-plants-in-spain-ce7d5fddc18df521>

⁷⁰ <https://www.enelnorthamerica.com/about-us/newsroom/search-press/press/2025/11/gulfstar-completion>

⁷¹ <https://www.globenewswire.com/news-release/2025/11/07/3183682/0/en/Fullmark-Energy-Announces-Completion-of-Redwood-Projects-Portfolio-with-Commercial-Operations-of-65MW-San-Jacinto-Energy-Storage-Project.html>

⁷² <https://www.businesswire.com/news/home/20251104712295/en/GridStor-Celebrates-Completion-of-Texas-Newest->

⁷³ <https://www.businesswire.com/news/home/20251104349574/en/Constellation-Offers-Maryland-a-Menu-of-New-Generation-Options-to-Meet-Rising-Demand-Including-5800-Megawatts-of-New-Power-Generation-and-Battery-Storage>

⁷⁴ <https://newsroom.xcelenergy.com/news/xcel-energy-to-build-upper-midwests-largest-battery-storage-site#:~:text=Xcel%20Energy%20plans%20to%20build%20the%20Midwest's,Release%20energy%20during%20periods%20of%20high%20demand>

⁷⁵ <https://asian-power.com/project/news/potentia-energy-bags-envi-approval-tallawang-solar-hybrid-project>

⁷⁶ <https://www.pandwsolar.com/china-advances-4-2-gwh-compressed-air-storage-project/>

PV plant and a 19 GWh battery storage system to provide continuous electricity. The project, led by Masdar and EWEC, will be capable of delivering 1 GW of continuous baseload power around the clock. The project is expected to be completed in 2027.⁷⁷

- **Nov 22nd**: FRV Australia has lodged an environmental application under the federal Environment Protection and Biodiversity Conservation (EPBC) Act for the Texas Solar Farm, a 200 MW Solar PV + 550 MW / 2,200 MWh BESS, located near the Queensland/New South Wales border. Construction is targeted to begin in 2026, and the site is scheduled to become operational in 2029.⁷⁸
- **Nov 21st**: Vilion, a top supplier of BESS for C&I applications, has partnered with its Swedish distributor NorrWatt AB to activate a 6MW / 7.2MWh BESS in Umeå, located in northern Sweden. Situated in the Teg industrial zone, this setup will deliver Frequency Containment Reserve (FCR) along with additional flexibility services to enhance stability within the Nordic electricity grid.⁷⁹
- **Nov 21st**: TagEnergy will begin construction on a 150 MW / 600 MWh battery storage facility at its Golden Plains wind farm in Victoria to enhance power grid stability. The company has secured contracts with Consolidated Power Projects Australia (CPP) for the construction work and with Tesla for its Megapack 2XL battery systems. The new facility is expected to be operational by mid-2027.⁸⁰
- **Nov 20th**: The Solar Energy Corporation of India (SECI) and the Government of Andhra Pradesh have finalized an agreement to develop a 1,200 MWh BESS paired with a 50 MW hybrid solar project. Government Orders (GOs) for the project were exchanged during the Andhra Pradesh Partnership Summit in November 2025.⁸¹
- **Nov 19th**: Downing Renewable Developments (DRD) has received planning permission for its Fair Park solar farm and battery storage project (49.9 MW) near Carland Cross, Cornwall, UK, following a successful appeal.⁸²
- **Nov 18th**: ACCIONA Energía is building a 200 MW / 1 GWh BESS at its Algarida solar complex in Chile. The project is expected to be operational in early 2027. In addition, ACCIONA Energía is developing a pipeline of three additional battery energy storage projects totaling 1.5GWh, which will be integrated with its photovoltaic plants in Chile.⁸³
- **Nov 17th**: Fotowatio Renewable Ventures (FRV), part of Jameel Energy, has submitted a 1.8 GW portfolio of renewable and BESS projects to the UK's National Energy System Operator (NESO) for its Connection Reform process. The projects, developed through its JV FRV Powertek, seek connection dates between 2026 and 2029. Key projects include Bicker Fen: 400 MW BESS, Stocking Pelham: 400 MW BESS, Stow Manor: 400 MW BESS, Ansty: 200 MW BESS Maes Melin: 200 MW BESS, Malice Farm: 50 MW solar + storage hybrid, Hollybush: 50 MW / 200 MWh with a protected 2026 connection date, Dunbar: 50 MW / 200 MWh with a protected 2027 connection date.⁸⁴
- **Nov 14th**: Engie has fully commissioned its 200 MW / 800 MWh battery park in Vilvoorde, Belgium, after connecting the second 100 MW / 400 MWh portion to the grid, making it one of Europe's largest battery parks. The project was completed only 16 months after construction began and two months ahead of schedule.⁸⁵
- **Nov 13th**: Australian renewable energy company Flow Power plans to build the Corowa Battery (100 MW /

⁷⁷ <https://www.prnewswire.com/ae/news-releases/uae-breaks-ground-on-worlds-first-gigascale-round-the-clock-renewable-energy-project-setting-a-new-global-standard-for-clean-energy-302593744.html>

⁷⁸ <https://www.indexbox.io/blog/frv-australia-plans-200mw-solar-and-550mw-battery-storage-project-in-nsw/>

⁷⁹ <https://www.pv-magazine.com/press-releases/vilion-and-norrwatt-commission-6mw-7-2mwh-bess-for-frequency-regulation-in-umea-sweden/>

⁸⁰ <https://asian-power.com/project/news/tagenergy-build-600-mwh-energy-storage-golden-plains-wind-farm>

⁸¹ <https://www.tribuneindia.com/news/business/seci-and-andhra-pradesh-finalise-1200-mwh-battery-energy-storage-system-50-mw-hybrid-project/>

⁸² <https://www.downing-renewables.co.uk/news/downing-renewable-developments-wins-cornwall-solar-farm-planning-permission>

⁸³ <https://strategicenergy.eu/acciona-energia-to-deploy-1-gwh-battery-storage-project-in-chiles-atacama-desert/>

⁸⁴ <https://cleanenergypipeline.com/news/frv-submits-1-8-gw-of-bess-and-solar-to-uks-neso/>

⁸⁵ <https://corporate.engie.be/en/press/release/engies-battery-storage-project-vilvoorde-fully-commissioned>

200 MWh BESS) in New South Wales. The developer plans to complete an environmental impact study by the end of the year.⁸⁶

- **Nov 12th**: Statkraft, Europe's largest producer of renewable energy, has successfully commissioned its EUR 45M Zerbst Solar project in Germany (46.4 MW Solar PV + 16 MW / 57 MWh BESS).⁸⁷
- **Nov 6th**: Indian renewables company ReNew Energy Global Plc announced that it has secured USD 331M from the Asian Development Bank (ADB) for an 837 MW_p Solar PV + 415 MWh BESS project. This is a part of a USD 477M financial package secured that will support the development of a large-scale clean energy project in Andhra Pradesh. The balance USD 146M will be arranged by ADB through other lenders.⁸⁸
- **Nov 11th**: Fotowatio Renewable Ventures (FRV) submitted applications for 1.8 GW of solar and battery energy storage projects in the UK as part of the National Energy System Operator's (NESO) Gate 2 connection reform process, targeting operation before 2030. The projects include a mix of utility-scale photovoltaic and co-located or standalone BESS assets.⁸⁹
- **Nov 11th**: London-based Nala Renewables has started construction on its first Finnish project, a 50 MW / 100 MWh BESS in Kauhava. The project is set to be operational by the end of 2026 and will support Trafigura's European energy trading activities by enhancing grid flexibility and stability in Finland. Nala is a JV between Trafigura and IFM Investors.⁹⁰
- **Nov 11th**: Brazilian utility Neoenergia has started construction on its Noronha Verde project in Fernando de Noronha, Pernambuco, which includes a 22 MW_p solar plant and a 49 MWh BESS. The first phase is expected to be operational by May 2026, with the second phase completed in 2027.⁹¹
- **Nov 11th**: Kuwait is moving forward with plans for a large-scale BESS to address power shortages caused by population growth and high temperatures. The project, which is in the negotiation phase, will have a 1.5 GW discharge capacity and a total storage capacity of 4–6 GWh. This initiative aims to stabilize the nation's grid, one of the largest in the Middle East, by providing power during peak demand.⁹²
- **Nov 11th**: Masdar has signed an agreement with Uzbekistan's JSC Uzenergosotish to develop the country's largest standalone BESS, named the Zarafshan BESS. This project, which is the first phase of Uzbekistan's national battery storage program, will have 300 MW / 600 MWh in the first phase, and another 300 MW in the second phase. The project is expected to be operational in the third quarter of 2028.⁹³
- **Nov 11th**: Tokyo Asset Solution is entering the battery energy storage business with two projects: a 4.9 MWh grid-scale battery in Hachioji City, Tokyo, and an 8.3 MWh system at its solar power plant in Uki City, Kumamoto Prefecture, for a total of 13.2 MWh. The Kumamoto project is expected to start operations in May 2026, while the Hachioji City project is scheduled for August 2026.⁹⁴
- **Nov 10th**: The Asian Development Bank (ADB) is providing transaction advisory services to the Government of Mongolia for the Stable Solar Energy in Mongolia Project, which will develop approximately 115 MW of solar power and 65 MW / 237 MWh of BESS to improve grid stability in the Western and Eastern energy systems.⁹⁵
- **Nov 10th**: Hassan Allam Utilities Energy Platform and Infinity Power will develop two new renewable energy

⁸⁶ <https://esdnews.com.au/flow-power-details-plans-for-state-significant-corowa-battery/>

⁸⁷ <https://www.globenewswire.com/news-release/2025/11/12/3186143/0/en/Statkraft-commissions-Germany-s-largest-solar-battery-storage-hybrid-power-plant-under-the-EEG.html>

⁸⁸ <https://www.businesswire.com/news/home/20251107903922/en/ReNew-and-Asian-Development-Bank-Announce-US%24331-million-Deal-for-a-Large-Scale-Renewable-Energy-Project-in-Andhra-Pradesh>

⁸⁹ <https://alj.com/en/news/frv-announces-submission-of-1-8-gw-of-bess-solar-projects-to-uks-gate-2-window-of-nesos-connection-reform-process/>

⁹⁰ <https://www.nalarenewables.com/news/nala-renewables-begins-construction-of-50mw-100mwh-bess-storage-project-in-finland-with-sungrow-and-ksbr>

⁹¹ <https://www.reuters.com/business/energy/kuwait-eyes-large-scale-battery-storage-ease-power-crisis-2025-11-10/>

⁹² <https://masdar.ae/en/news/newsroom/masdar-signs-landmark-agreement-for-uzbekistans-largest-standalone-battery-energy-storage-project>

⁹³ <https://japanenergyhub.com/news/tokyo-asset-solution-battery-storage-entry/>

⁹⁴ <https://english.news.cn/20251031/b83b1069ce6642378c31e6661e721742/c.html>

⁹⁵ <https://english.news.cn/20251031/b83b1069ce6642378c31e6661e721742/c.html>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

projects in Egypt, including a 1,200 MW solar power plant and 720 MWh of battery storage. The projects, which are supported by the EBRD and Meridiam, are a 200 MW solar plant with 120 MWh of battery storage in Benban and a 1,000 MW solar plant with 600 MWh of storage in Minya.⁹⁶

- **Nov 10th**: Construction has started on the Brzezinka hybrid renewable energy project in Poland, which includes a 303 MW_p solar park and a 106 MW battery storage system. Developed by VSB Polska, the facility is in the Lower Silesian Voivodeship, northeast of Wrocław, and is one of Poland's largest such projects. The facility is expected to be fully operational by the end of 2027, with plans to later add a wind farm, making it a hybrid energy park.⁹⁷
- **Nov 10th**: SgurrEnergy is involved in Iraq's first mega-scale renewable energy project, a 3,000 MW initiative led by UGT Renewables in partnership with the Ministry of Electricity, Republic of Iraq. The project includes a solar PV installation, up to 500 MW of energy storage, and approximately 1,000 km of high-voltage direct current (HVDC) transmission lines to improve grid stability. This project is part of Iraq's broader effort to diversify its energy sources and bolster its renewable energy capacity.⁹⁸
- **Nov 7th**: The Australian government fast-tracked Samsung C&T's 300 MW Dunmore solar and 150 MW battery project in Queensland with environmental approval in 19 days, under the Environment Protection and Biodiversity Conservation (EPBC) Act. The project was fast-tracked because it was sited on previously cleared land next to an existing transmission line, which meant no new lines or substantial land clearing were required.⁹⁹
- **Nov 5th**: Ampyr Solar Europe has secured planning consent for two UK solar farms: the 13.5 MW_p Byde Mill Solar in Wiltshire and the 39 MW_p Witney Solar in West Oxfordshire. Witney Solar will feature an integrated 30 MW BESS.¹⁰⁰
- **Nov 5th**: Eco Stor has broken ground on Germany's largest battery storage facility in Förderstedt, Saxony-Anhalt, a subsidiary of Eco Stor, Eco Power Three GmbH, will build the project. The facility will have a capacity of 300 MW / 714 MWh and is designed to support grid stability and the integration of renewable energy sources.¹⁰¹
- **Nov 4th**: Sonnedix Japan announced the construction of a 125 MWh BESS in Oita prefecture, its first BESS project in the country. The project will be co-located with an existing 39MW PV plant. Construction activities started in October, with commercial operations targeted for November 2026. Toshiba Energy Systems & Solutions Corporation was awarded the EPC contract, while Tesla Japan GK is providing the battery systems.¹⁰²
- **Nov 4th**: Kyon Energy has begun installing three BESS totaling 98 MW / 215 MWh in Germany, with completion and grid connection expected in early 2026. Kyon Energy was acquired by the French energy company TotalEnergies in early 2024.¹⁰³
- **Nov 3rd**: Greek power utility PPC has started construction on a 50 MW / 200 MWh BESS at the site of its former Amyntaio coal-fired power plant in Western Macedonia. Trina Storage will supply the technology for the project. PPC plans to deploy approximately 600 MW of energy storage capacity across Greece and Southeast Europe by 2027.¹⁰⁴

⁹⁶ <https://www.utilitybusinessmena.com/renewable-energy/hassan-allam-utilities-and-infinity-power-sign-ppas-for-1-2-gw-renewable-energy-projects-in-egypt>

⁹⁷ <https://www.vsb.energy/de/en/newsroom/press/press-detail/vsb-poland-breaks-ground-on-303-mwp-photovoltaic-park-plus-battery-energy-storage-system/>

⁹⁸ <https://kalpapower.com/sgurrenergy-supports-landmark-3000-mw-renewable-energy-project/>

⁹⁹ <https://esdnews.com.au/dunmore-solar-farm-ticks-environmental-approval-in-19-days/>

¹⁰⁰ <https://www.ampyrenergy.com/news-insights/>

¹⁰¹ <https://www.energyglobal.com/energy-storage/30102025/rwe-achieves-ground-breaking-for-battery-storage-project/>

¹⁰² <https://www.sonnedix.com/news/sonnedix-japan-announces-first-bess-project>

¹⁰³ <https://renewablesnow.com/news/totalenergies-kyon-starts-installing-98-mw-of-german-batteries-1284377/>

¹⁰⁴ <https://www.globalenergyworld.com/news/sustainable-energy/2025/11/12/trina-storage-signs-deal-one-greeces-largest-battery-energy-storage-projects>

- **Nov 3rd:** Energy Vault's Meadow Creek solar-plus-storage project near Wangaratta, Australia, consists of a 332 MW solar farm and a co-located 250 MW / 1,000 MWh BESS. The project has received fast-tracked approvals from the Victorian government and is expected to begin construction in 2026, with commercial operations likely by late 2027.¹⁰⁵
- **Nov 3rd:** Eku Energy, a global energy storage developer backed by Macquarie's Green Investment Group (GIG), has been granted development approval by the Victorian government for its 300 MW / 1,200 MWh Tramway Road BESS in Hazelwood, Gippsland. The project was fast-tracked through the state's Development Facilitation Program (DFP).¹⁰⁶
- **Nov 1st:** Sembcorp has finalized two major clean-energy additions on Singapore's Jurong Island: a 118 MW_p solar farm and an expanded 326 MWh BESS.¹⁰⁷
- **Oct 30th:** RWE AG has begun construction on Germany's largest BESS in Gundremmingen, Bavaria, a 400 MW / 700 MWh facility that will leverage the decommissioned nuclear power plant's existing grid connection. The project, with a total investment of approximately € 230M, is expected to be operational in early 2028.¹⁰⁸

Vendor / OEM News

- **Nov 27th:** Sungrow has introduced its latest C&I battery energy storage solution, the PowerKeeper series. The system's 12.5 kWh pack-based design supports flexible configurations up to 250 kWh per system. A single hybrid inverter covers 50–1,000 kWh capacity for 2–8 hours, with multiple inverters allowing unlimited expansion. An optional long-duration combiner box accommodates 2–4 clusters, expandable to 1,000 kWh and 8 hours of storage.¹⁰⁹
- **Nov 26th:** Battery manufacturer CATL and Stellantis have started building a large € 4.1B (\$ 4.7B) battery complex in Zaragoza, Spain. This project will significantly increase Europe's domestic supply of batteries for electric vehicles (EVs) and is expected to begin production in late 2026. The new factory will produce lithium iron phosphate (LFP) batteries, which are more cost-effective, and will have an annual capacity of up to 50 GWh, enough to power approximately 700,000 EVs.¹¹⁰
- **Nov 26th:** LONGi officially announced its entry into the storage sector with the launch of the LONGi Energy Storage One-Stop Solution. This marks LONGi's strategic evolution from a global photovoltaic leader to an integrated "Solar-Storage-Hydrogen" comprehensive energy solution provider. LONGi announced the establishment of its first Solar-Storage Technology Innovation Center (Center of Excellence) in Europe. This center will integrate core functions including project consulting, technical training, O&M support, and spare parts services, providing European customers with rapid response, full-lifecycle localized professional services.¹¹¹
- **Nov 25th:** W. L. Gore & Associates announced the opening of its Battery Lab in Shanghai, China, expanding its global R&D capabilities to accelerate advanced battery materials development for customers worldwide. The lab is dedicated to the development, characterization, and rigorous testing of critical materials for battery cells and packs—spanning membranes, venting solutions, moisture and condensation management, explosion and thermal runaway mitigation, pressure equalization, and controlled gas release.¹¹²
- **Nov 24th:** Jinko ESS, a leading energy storage company and a subsidiary of Jinko Solar Co., Ltd., announced the signing of a contract to deploy a 25 MWh energy storage project in MEA region. This significant project

¹⁰⁵ <http://en.cnesa.org/latest-news/2025/11/5/victoria-approves-2200mwh-of-battery-storage-through-streamlined-pathway-in-australia>

¹⁰⁶ <https://www.ekuenergy.com/news-and-blogs/speak-gippsland-new-energy-conference>

¹⁰⁷ <https://www.sembcorp.com/sg/news-and-insights/news/2025/sembcorp-unveils-landmark-clean-energy-initiatives-on-jurong-island/>

¹⁰⁸ <https://www.rwe.com/en/press/rwe-generation/2025-10-29-rwe-is-constructing-germanys-largest-battery-storage-facility-in-gundremmingen/>

¹⁰⁹ https://www.linkedin.com/posts/sungrow-power-supply-co-ltd_sungrow-energystorage-powerkeeper-activity-7399580596571815936-9kIs

¹¹⁰ <https://www.euronews.com/business/2025/11/27/catl-and-stellantis-break-ground-on-spains-largest-ev-battery-plant>

¹¹¹ <https://www.prnewswire.com/news-releases/longi-enters-energy-storage-market-redefining-industry-standards-with-ultimate-safety-302626607.html>

¹¹² <https://www.prnewswire.com/news-releases/gore-launches-shanghai-battery-lab-to-accelerate-breakthroughs-in-battery-technology-302625398.html>

will utilize the company's utility-scale solution, the SunTera G2 5 MWh ESS, to provide critical grid support and enable a more resilient and sustainable power infrastructure.¹¹³

- **Nov 24th**: Guangde Qingna Technology Co., Ltd. officially signed an agreement on November 20, 2025, to build a 20 GWh sodium-ion battery production line in the Suining Economic and Technological Development Zone, Sichuan Province. The project has a planned total investment of CNY 6B (approximately \$ 835.98M). This move is part of a broader trend of increasing investment in China's sodium-ion battery sector in 2025, which is rebounding after a slowdown in 2024.¹¹⁴
- **Nov 21st**: Envision Energy, a global leader in green technology, and GES (Global Energy Services), a leading Spanish provider of renewable energy engineering and service solutions, have signed a strategic Framework Agreement to advance the large-scale deployment of BESS and Wind Turbine Generators (WTG) across Spain and Europe. This partnership marks a new milestone in Envision Energy's European strategy, reinforcing its commitment to building a robust engineering and service ecosystem in Spain, one of Europe's key renewable energy markets, and accelerating the region's transition toward a cleaner, more resilient, and digitally driven energy system.¹¹⁵
- **Nov 21st**: Desay Battery announced inclusion in the Bloomberg New Energy Finance (BNEF) Q4 2025 Global Energy Storage Tier 1 List.¹¹⁶
- **Nov 21st**: Chinese PV inverter and energy storage company Sungrow will supply its PowerTitan 2.0 battery systems for the 1.4 GW / 3.1 GWh Thorpe Marsh BESS, which is being developed by Fidra Energy in Doncaster and is considered to be the biggest such project in the UK.¹¹⁷
- **Nov 20th**: Merus Power announced successful commissioning of its first grid-forming (GFM) BESS in the Nordic countries for its Swiss customer, Alpiq. The 30 MW / 36 MWh project is in Valkeakoski, Finland, and meets the requirements set by Fingrid, Finland's Transmission System Operator (TSO), for large-scale grid-forming energy storages. Merus Power served as the developer, supplier, and EPC (Engineering, Procurement, and Construction) contractor.¹¹⁸
- **Nov 20th**: JDenergy has successfully commissioned the Pengzhou Yongdingqiao Energy Storage Power Station (100 MW / 200 MWh) in Sichuan, China. It adopts JDenergy's distributed smart energy storage solution, consisting of 20 independent energy storage units and a total of 479 eBlock-418. Each unit is equipped with a 5,500 kVA 35 kV transformer.¹¹⁹
- **Nov 17th**: CESC Green Power has received approval from Odisha's High-Level Clearance Authority (HLCA) to invest ₹ 4,500 crore in a multi-phase project in Dhenkanal district, in India, which includes a 3 GW solar cell unit, a 3 GW solar module production facility, a 5 GWh advanced chemistry battery plant, and a 60 MW captive power project. This significant investment in renewable energy manufacturing is set to be rolled out in three phases.¹²⁰
- **Nov 11th**: Tecloman's 630 kW PCS energy storage product successfully passed testing by the German TÜV SÜD certification body and has completed its listing on the German ZEREZ platform.¹²¹

¹¹³ <https://www.jinkosolar.com/en/site/newsdetail/2782>

¹¹⁴ <https://www.world-energy.org/article/54556.html>

¹¹⁵ <https://www.prnewswire.com/news-releases/envision-energy-and-ges-partner-to-scale-energy-storage-and-wind-power-across-spain-and-europe-powering-a-clean-energy-future-302623090.html>

¹¹⁶ <https://www.prnewswire.com/news-releases/desay-battery-named-to-bnef-global-energy-storage-tier-1-list-for-the-third-time-defining-a-new-industry-benchmark-302623057.html>

¹¹⁷ <https://uk.sungrowpower.com/NewsDetail/4568>

¹¹⁸ <https://www.prnewswire.com/de/pressemitteilungen/important-launch-from-merus-power-the-first-grid-forming-battery-energy-storage-system-in-the-nordics-302621605.html>

¹¹⁹ <https://www.pv-magazine.com/press-releases/jdenergy-commissions-sichuans-landmark-100mw-200mwh-energy-storage-station-with-full-digital-intelligent-operations/>

¹²⁰ <https://www.saurenergy.com/solar-energy-news/odisha-clears-4500-cr-cesc-green-investment-for-solar-bess-manufacturing-10681491>

¹²¹ <https://www.solarbeglobal.com/tecloman-energy-storage-inverter-technology-obtains-german-vde-certification-and-zerez-listing/>

- **Nov 11th**: LG Energy Solution announced a strategic partnership with South 8 Technologies to jointly develop space-rated lithium-ion batteries optimized for extreme low temperatures. This agreement positions LG Energy Solution to participate in the development of next-generation battery technologies that can withstand harsh environments, establishing a foothold in the emerging aerospace sector.¹²²
- **Nov 11th**: Adani Group announced its foray into the BESS sector with a pioneering 1126 MW / 3530 MWh project (The BESS project would have a power capacity of 1126 MW and energy capacity 3530 MWh. This means that BESS would be able to store 3530 MWh of energy - extending power capacity of 1126 MW by ~3 hrs). This project, involving the deployment of more than 700 BESS containers, will be the largest BESS installation in India and one of the world's largest single-location deployments. This historic project will be commissioned by March 2026.¹²³
- **Nov 10th**: Jinko ESS, a subsidiary of Jinko Solar Co., Ltd., signed a 20 MWh distribution agreement for its SunGiga G2 ESS with a Middle Eastern renewable energy solutions provider to meet growing C&I demand. This partnership will supply the SunGiga G2 261kWh and 520kWh systems, which are designed for high performance, longevity, and resilience in challenging Middle Eastern climates¹²⁴
- **Nov 8th**: NextStar Energy is expanding its Windsor, Ontario facility to include the production of ESS batteries for commercial and grid-scale use, starting this month. This pivot from a previous focus on EV batteries is driven by surging global demand for ESS technology, particularly for AI data centers and grid reliability. This move marks a significant step for Canada's sustainable energy innovation, with NextStar Energy, a JV between LG Energy Solution and Stellantis, affirming its commitment to the market.¹²⁵
- **Nov 7th**: JA Solar's C&I energy storage products successfully passed the globally authoritative safety certification UL 9540A:2025 and obtained an internationally recognized certification report issued by TÜV NORD.¹²⁶
- **Nov 3rd**: PotisEdge announced inclusion in the Bloomberg New Energy Finance (BNEF) Q4 2025 Global Energy Storage Tier 1 List.¹²⁷
- **Nov 3rd**: Cornex New Energy has started construction on a 70 GWh lithium-ion battery manufacturing complex in Xiangyang High-tech Zone, Hubei province, representing its largest expansion to date. The project, which broke ground on October 28, involves a CNY 22B investment and will include cell production, pack assembly, and integrated storage system manufacturing. This new facility is Cornex's fourth major production base and is expected to help strengthen its position in the global battery supply chain.¹²⁸
- **Nov 3rd**: JD Energy announced inclusion in the Bloomberg New Energy Finance (BNEF) Q4 2025 Global Energy Storage Tier 1 List.¹²⁹
- **Nov 1st**: Canadian Solar Inc. (Canadian Solar) announced that e-STORAGE, part of the Company's majority-owned subsidiary CSI Solar Co., Ltd. (CSI Solar), has successfully achieved commercial operation of the 220 MWh DC Mannum Battery Energy Storage Project in South Australia. e-STORAGE served as the Engineering, Procurement, and Construction (EPC) provider for the project, which is owned by Epic Energy and was developed by Recurrent Energy, a subsidiary of Canadian Solar.¹³⁰

¹²² <https://www.prnewswire.com/news-releases/lg-energy-solution-to-enter-aerospace-battery-sector-in-partnership-with-south8-technologies-302612303.html>

¹²³ <https://www.prnewswire.com/news-releases/adani-group-announces-strategic-entry-into-battery-energy-storage-sector-with-one-of-the-worlds-largest-single-location-bess-projects-302610773.html>

¹²⁴ <https://www.jinkosolar.com/en/site/newsdetail/2783>

¹²⁵ <https://nextstar-energy.com/nextstar-energy-expands-into-energy-storage-windsorbattery-production-begins-this-month/>

¹²⁶ <https://www.solarbeglobal.com/ja-solars-commercial-and-industrial-energy-storage-products-pass-ul-9540a-certification/>

¹²⁷ <https://www.prnewswire.com/news-releases/potisedge-secures-sixth-consecutive-quarter-as-bnef-tier-1-energy-storage-manufacturer-302603384.html>

¹²⁸ https://cornexbattery.com/en/Index/news_detail/id/1550.html

¹²⁹ <https://www.prnewswire.com/news-releases/jdenenergy-once-again-recognized-as-tier-1-global-energy-storage-manufacturer-by-bloombergnef-302602451.html>

¹³⁰ <https://investors.canadiansolar.com/news-releases/news-release-details/e-storage-achieves-commercial-operation-220-mwh-mannum-battery>

- **Nov 1st:** NGK Insulators decided to stop new orders and discontinue its NAS battery business, citing a need to reallocate management resources to other areas like its insulator business. The company expects the decision to result in approximately ¥ 18,000M (USD 117M) in extraordinary losses for the fiscal year ending March 2026. While new sales are stopped, NGK will still fulfill existing orders and provide maintenance for previously sold products.¹³¹
- **Nov 1st:** HyperStrong, a leading global provider of energy storage solutions, has made remarkable strides in the EMEA (Europe, Middle East, and Africa) region, securing new projects across five countries:
 - In Greece, the company recently signed a contract for a standalone grid-side energy storage project.
 - In Estonia and Lithuania, HyperStrong has initiated multiple grid-side energy storage initiatives.
 - In Côte d'Ivoire, HyperStrong successfully deployed ESS at three industrial sites, each featuring the advanced HyperBlock III BESS.
 - In Zimbabwe, the company is progressing with a C&I energy storage project.

As a key player in the global energy storage sector, HyperStrong has contributed to over 300 projects worldwide, boasting a cumulative capacity surpassing 40 GWh.

Equipment Supply, EPC and O&M Service Agreement Awards

United States

- **Nov 12th:** U.S.-based sodium-ion battery manufacturer Peak Energy announced a multi-year phased agreement with Jupiter Power LLC (Jupiter Power), a leading developer and operator of utility-scale BESS. Under the agreement, Peak Energy will supply up to 4.75GWh of its industry-leading sodium-ion BESS to Jupiter Power, for deployment between 2027 and 2030.¹³²
- **Oct 30th:** Star Charge Americas Corp. announced a Master Service Agreement (MSA) with Beneficial Holdings, Inc. for BESS projects in the U.S. and Puerto Rico. Over 32.24 GWh of projects are on track, worth over \$ 3.2B in contract value.¹³³

International

- **Nov 25th:** China's Enerflow and Australia's JENMI Investments have signed an agreement to develop a 350 MW / 1,200 MWh vanadium flow battery project, which is expected to be one of the largest long-duration storage projects in Australia. The partnership will combine Enerflow's technology with JENMI's local market expertise to commercialize vanadium flow batteries in Australia, with plans to expand into the Asia-Pacific region.¹³⁴
- **Nov 25th:** Generadora Metropolitana has selected Sungrow to provide its PowerTitan battery systems for upcoming projects in Chile, the Dune BESS (333 MW / 1,334 MWh solocated with an existing Solar PV plant) and La Pampina (186 MW solar PV plant with a 175 MW / 702 MWh BESS). Sungrow will supply battery systems and act as the EPC contractor.¹³⁵
- **Nov 21st:** Austrian state-owned utility Verbund has chosen a Romanian consortium—comprising Prime Batteries and Enevo Group—to supply and integrate a 48 MW / 76 MWh BESS at its operational Casimcea wind farm in Romania.¹³⁶

¹³¹ <https://www.ngk-insulators.com/en/product/nas.html>

¹³² <https://www.prnewswire.com/news-releases/peak-energy-signs-4-75-gwh-contract-with-jupiter-power-for-industry-leading-sodium-ion-battery-storage-systems-302612467.html>

¹³³ <https://www.prnewswire.com/news-releases/star-charge-americas-signs-msa-for-over-32-gwh-of-bess-projects-in-us-302599121.html>

¹³⁴ <https://vanitec.org/latest-from-vanitec/article/enerflow-signs-1.2-gwh-long-duration-energy-storage-cooperation-in-australia>

¹³⁵ <https://www.powersystems.technology/sungrow-starts-massive-2-gwh-dune-plus-solar%E2%80%91storage-project-in-chile/>

¹³⁶ <https://balkangreenenergynews.com/verbund-selects-romanian-consortium-to-add-bess-to-its-wind-farm/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

- **Nov 18th**: HyperStrong International (Germany) GmbH (HyperStrong), a subsidiary of Beijing HyperStrong Technology Co., LTD. (688411.SH), and LEAG Clean Power GmbH, have signed an EPC (engineering, procurement and construction) contract to deploy a 1.6 GWh utility-scale BESS project in Germany. Once completed, this project will become one of the largest battery storage facilities in Europe. The new project GigaBattery Boxberg 400 will form part of LEAG's GigawattFactory concept – an integrated renewable energy hub combining photovoltaic and wind generation with flexible storage and hydrogen-ready power plants.¹³⁷
- **Nov 18th**: Global energy technology leader Trina Storage, a division of Trinasolar, has signed an MOU with Pacific Green Energy Group (Pacific Green) to deliver up to 5 GWh of BESS between 2026 and 2028. Pacific Green currently manages a global storage pipeline of 11 GWh, including 7 GWh in Australia and 4 GWh across Europe.¹³⁸
- **Nov 17th**: Aurora Utilities Ltd has been selected by Conrad Energy to connect a 1.2-GW portfolio of UK renewable energy projects, which will involve Aurora owning and operating the new electricity distribution networks. The deal involves 1.2 GW of renewable energy, including solar and battery storage facilities across the UK.¹³⁹
- **Nov 16**: Beijing HyperStrong Technology Co., Ltd. (HyperStrong) and Contemporary Amperex Technology Co., Limited (CATL) have signed a Strategic Cooperation Agreement, marking a new milestone in their long-term partnership. According to the agreement, from January 1, 2026, to December 31, 2028, HyperStrong will procure no less than 200 GWh of battery cells from CATL, laying a solid foundation for the large-scale deployment of its global energy storage business.¹⁴⁰
- **Nov 12th**: Canadian Solar Inc. (Canadian Solar) announced that e-STORAGE, part of the Company's majority-owned subsidiary CSI Solar Co., Ltd. (CSI Solar), has been contracted to provide a fully integrated energy storage solution and turnkey Engineering, Procurement, and Construction (EPC) services for the 411 MW / 1,858 MWh Skyview 2 Energy Storage Project in Edwardsburgh Cardinal, Ontario, Canada. The project, developed by Potentia Renewables Inc. (Potentia) in collaboration with the Algonquins of Pikwàkanagàn First Nation, was awarded under Ontario's Long-Term Reliability (LT1) energy storage procurement process.¹⁴¹
- **Nov 12th**: Canadian Solar Inc. (Canadian Solar) announced that e-STORAGE, part of the Company's majority-owned subsidiary CSI Solar Co., Ltd. (CSI Solar), has signed a BESS Supply Agreement for a 20.7 MW / 56 MWh DC energy storage project in Lower Saxony, Germany. The agreement also includes a 20-year Long-Term Service Agreement (LTSA). The project was developed by Kyon Energy, which will also serve as the Engineering, Procurement, and Construction Management (EPC-M) contractor until commercial operation.¹⁴²
- **Nov 10th**: Envision Energy, a global leader in green technology, has partnered with UK-based Statera Energy to provide 680 MW / 1,360 MWh BESS equipment for the Carrington Storage Project in Greater Manchester, Carrington, UK. The project is expected to be energized by late 2026.¹⁴³

¹³⁷ <https://www.prnewswire.com/news-releases/hyperstrong-and-leag-clean-power-sign-an-epc-contract-to-develop-1-6-gwh-battery-energy-storage-project-in-germany-advancing-europes-energy-transition-302619229.html>

¹³⁸ <https://www.prnewswire.com/news-releases/trina-storage-signs-mou-with-pacific-green-energy-group-to-deliver-5gwh-of-battery-storage-302618242.html>

¹³⁹ <https://aurora-utilities.co.uk/aurora-utilities-and-conrad-energy-join-forces-to-supercharge-the-uks-renewable-energy-future/>

¹⁴⁰ <https://www.prnewswire.com/news-releases/hyperstrong-and-catl-sign-a-ten-year-agreement-deepening-strategic-partnership-including-200-gwh-procurement-over-three-years-302616419.html>

¹⁴¹ <https://www.prnewswire.com/news-releases/e-storage-to-deliver-1-86-gwh-dc-of-energy-storage-solutions-for-the-skyview-2-project-in-ontario-canada-302612388.html>

¹⁴² <https://www.prnewswire.com/news-releases/e-storage-secures-a-battery-energy-storage-project-in-germany-as-part-of-its-european-expansion-302612619.html>

¹⁴³ <https://www.prnewswire.com/news-releases/envision-and-statera-unite-on-680mw-carrington-storage-to-advance-uk-renewable-energy-future-302610033.html>

- **Nov 7th**: LEAG Clean Power GmbH and storage integrator Fluence Energy GmbH announced plans to build Europe's largest BESS, a 1 GW / 4 GWh system in Jämschwalde, Germany.¹⁴⁴
- **Nov 5th**: NHOA Energy, a global provider of utility-scale BESS, announced the commissioning of a 12 MW / 50 MWh BESS in Vicari, Sicily., developed for ERG, a leading international independent renewable power producer. NHOA was the BESS supplier and EPC contractor. Operation and maintenance will continue under a five-year service contract.¹⁴⁵
- **Nov 4th**: Energy Vault Holdings, Inc. (Energy Vault), a global leader in grid-scale energy storage solutions, announced the signing of a Framework Supply Agreement (FSA) with EU Green Energy LLC (EU Green Energy), a leading renewable energy developer in the Balkan region. The agreement covers the deployment of up to 1.8 GWh of BESS over the next four years.¹⁴⁶
- **Nov 4th**: Bulgaria-based Sunotec has entered a five-year agreement with Shell Energy Europe for its battery energy storage projects, which will cover over 600 MWh and are expected to be operational by the second quarter of 2026. This cross-border spread hedge agreement is designed to provide long-term price stability for the projects, boosting their financial viability and helping to advance energy storage development in Central Eastern Europe. The partnership signifies a milestone in using innovative financial mechanisms to support renewable energy infrastructure in the region.¹⁴⁷
- **Nov 2nd**: Energy contractor MT Group has secured a € 27.8M (\$ 32M) contract from Pure Energy Solutions to build a 35 MW / 140 MWh BESS in Rietavas, Lithuania. This project, which is expected to be operational by the end of 2026, will connect to Litgrid's 110 kV high-voltage substation to provide grid balancing services and improve Lithuania's overall grid flexibility and resilience.¹⁴⁸

Optimization and Virtual Toll Agreement Awards

United States

- **Nov 6th**: Ørsted has selected Habitat Energy to provide optimization and Qualified Scheduling Entity (QSE) services for its 250 MW, 2-hour BESS in Fort Bend County, Texas. Once completed, the project will be among the largest standalone batteries operating in ERCOT.¹⁴⁹

International

- **Nov 26th**: OptiGrid, an Australian battery optimization and trading intelligence platform designed for the National Electricity Market (NEM), has announced a strategic partnership with Acacia Energy, a specialist energy solutions provider. The collaboration aims to accelerate the deployment of batteries for Acacia Energy's C&I customers and small-scale renewable energy developers while supporting their participation in the NEM. Acacia Energy will resell OptiGrid's OptiBidder platform, which uses AI-powered forecasting and optimization algorithms to maximize the revenue of batteries connected to the NEM.¹⁵⁰
- **Nov 26th**: ep Group, a UK energy transition company, and global smart energy company, GridBeyond, have signed a partnership agreement to deliver an artificial intelligence (AI)-powered optimization program for ep Group's growing energy storage operations. The current deal involves the optimization of 50 MW BESS in

¹⁴⁴ <https://www.globenewswire.com/news-release/2025/11/07/3183364/0/en/LEAG-and-Fluence-to-build-the-largest-battery-storage-project-in-Europe-with-a-capacity-of-4-GWh.html>

¹⁴⁵¹⁴⁵ <https://www.businesswire.com/news/home/20251104686494/en/NHOA-Energy-Commissions-a-50-MWh-Energy-Storage-System-in-Sicily>

¹⁴⁶ <https://www.businesswire.com/news/home/20251104730487/en/Energy-Vault-EU-Green-Energy-Sign-Framework-Agreement-for-Deployment-of-up-to-%24250-Million-of-Battery-Energy-Storage-Systems-Totaling-1.8-GWh-to-Accelerate-Renewable-Deployment>

¹⁴⁷ <https://pes.eu.com/press-releases/shell-and-sunotec-sign-landmark-cross-border-spread-hedge-agreement-supporting-long-term-energy-market-stability>

¹⁴⁸ <https://www.mtgroup.lt/mt-group-awarded-a-e27-8-million-epc-turnkey-contract-for-35-mw-140-mwh-battery-energy-storage-system-bess-in-rietavas-lithuania/>

¹⁴⁹ <https://www.businesswire.com/news/home/20251105054321/en/Habitat-Energy-to-Optimize-rsteds-250-MW-Battery-in-Texas>

¹⁵⁰ <https://batteryaustralia.solarenergyevents.com/2025/11/26/acacia-energy-to-resell-optigrids-ai-powered-battery-platform-for-ci-customers-in-australia/>
Not for redistribution.

North Baddesley, UK, and enrolment in the capacity market.¹⁵¹

- **Nov 23rd**: Chinese company Ganfeng Lithium and EDF have partnered to develop a new 50 MW / 160 MWh BESS in Kintore, Scotland. This project, Ganfeng's first large-scale storage venture in the UK, will see Ganfeng manage construction and supply, while EDF will oversee operational management and grid optimization using its Powershift platform. The project is expected to be operational by 2026.¹⁵²
- **Nov 3rd**: Capalo AI will partner with Finnish company Olana Energy to provide AI-driven trading and optimization services for Olana's new 70 MW / 140 MWh BESS in Šalčininkai, Lithuania. The BESS, scheduled for commercial operation in the final quarter of 2026, will be one of the country's largest and will be integrated into Capalo AI's optimization platform, Capalo Zeus VPP, to manage its participation in multiple Lithuanian energy markets and maximize its value.

Off-Take / PPA / Awards News

United States

- **Nov 25th**: Madison Gas and Electric (MGE), in partnership with We Energies and Wisconsin Public Service (WPS), subsidiaries of WEC Energy Group, received approval from the Public Service Commission of Wisconsin to purchase solar capacity, battery storage and wind capacity from four projects.¹⁵³
 - Saratoga Solar Energy Center. This project will include a 150 MW solar array and 50 MW BESS located in Wood County. MGE will own 15 MW of solar capacity and 5 MW of battery storage. The solar array and BESS are both expected to start serving customers in 2028.
 - Ursa Solar Park. A 200 MW solar facility that will be in Columbia County. MGE will own 20 MW of solar capacity. The solar array is expected to begin serving customers in 2027.
 - Badger Hollow Wind Farm. This 112-MW wind farm will be in Iowa and Grant counties. MGE will own 11.2 MW of wind capacity. The wind farm is expected to begin serving customers in 2027.
 - Whitetail Wind Farm. The 67-MW wind farm will be in Grant County. MGE will own 6.7 MW of wind capacity. The wind farm is expected to begin serving customers in 2027.
- **Nov 23rd**: Solidion Technology Inc. (Solidion), an advanced battery technology solutions provider, was notified by the U.S. Department of Energy (DOE) that it has been awarded a grant to advance research and development of Electrochemical Manufacturing of High-Performance Graphite Based on Biomass-Derived Carbon. This award is one of the projects funded by ARPA-E, the Advanced Research Projects Agency, from their highly competitive OPEN program.¹⁵⁴
- **Nov 20th**: Avantus, a San Diego-headquartered renewable energy company, announced that it has signed 15-year PPAs with Southern California Edison, a Rosemead-based electricity utility, The agreement is made for the Aratina 2 solar and storage project in eastern Kern County. According to Avantus, the project will supply 150 MW_{ac} solar capacity and 452 MWh battery storage to the California grid beginning in 2026.¹⁵⁵
- **Nov 10th**: BESS solutions provider Merus Power and Finnish investor Exilion have signed an agreement for a 30 MW / 66 MWh ESS Kuortti, Mäntyharju. The total value of the project is approximately 17M euros and will be completed in 2026.¹⁵⁶
- **Nov 6th**: EDP Renováveis (EDPR) has secured two contracts for a Michigan hybrid project, which pairs a 120 MW solar farm with a 70 MW / 280 MWh battery storage system. The agreements include a 30-year PPA for the solar output and a capacity tolling deal for the battery, a structure that gives the buyer dispatch rights for

¹⁵¹ <https://www.energyglobal.com/energy-storage/26112025/ep-group-and-gridbeyond-sign-battery-optimisation-partnership-agreement/amp/>

¹⁵² <https://www.edfenergy.com/media%20centre/ganfeng-lithium-and-edf-announce-partnership-kintore-energy-storage-project>

¹⁵³ <https://www.businesswire.com/news/home/20251125532278/en/MGE-to-Add-More-Solar-Battery-Storage-and-Wind>

¹⁵⁴ <https://www.prnewswire.com/in/news-releases/solidion-technology-awarded-grant-from-the-us-department-of-energy-302622978.html>

¹⁵⁵ <https://solarbytes.info/americas/avantus-sce-aratina-2-solar-storage-ppas-kern-county-california-grid-supply-10797257>

¹⁵⁶ <https://www.prnewswire.com/pl/komunikat-prasowy/inside-information-merus-power-to-deliver-eur-17-million-energy-storage-system-to-exilion-302611623.html>

the battery while EDPR manages the assets. The project is expected to begin commercial operations in 2026.¹⁵⁷

- **Nov 5th:** Clearway Energy Group has signed a 20-year PPA and a separate energy storage agreement with the Public Utility District No. 2 of Grant County (Grant PUD) for its 520 MW solar-plus-battery project, the Royal Slope Energy Center in Grant County, Washington. While the financial terms were not disclosed, the project is expected to be completed by the end of 2027 and will combine 260 MW of solar generation with 260 MW of battery storage.¹⁵⁸

International

- **Nov 28th:** ENGIE has won its first BESS project in India, with a capacity of 280 MW / 560 MWh. Awarded under Gujarat Urja Vikas Nigam Limited's (GUVNL) national tender for 2 GW / 4 GWh, the GUVNL BESS project is scheduled for commissioning in 2027.¹⁵⁹
- **Nov 27th:** The Delhi Electricity Regulatory Commission (DERC) has approved a Power Sale Agreement (PSA) between BSES Rajdhani Power Ltd. (BRPL) and the Solar Energy Corporation of India (SECI) to acquire 1,500 MW of solar power and 750 MW / 3,000 MWh BESS.¹⁶⁰
- **Nov 27th:** Hindustan Power has secured a significant contract from the Solar Energy Corporation of India (SECI) for a 150 MW contracted capacity solar and battery storage project. The project will include 300 MW Solar PV + 300 MWh BESS. The contract was awarded through SECI's competitive bidding process as part of an inter-state transmission system (ISTS)-connected solar tender.¹⁶¹
- **Nov 26th:** Waaree Group, India's leading renewable energy solutions provider, announced that it has secured a 10 MWh BESS order from a key Infrastructure Development Company to be deployed in the Indian state of Tamil Nadu.¹⁶²
- **Nov 26th:** The B.C. Jindal Group has signed a 150 MW round-the-clock (RTC) renewable energy project agreement with the Solar Energy Corporation of India (SECI). This 150 MW project is part of SECI's larger 1,200 MW RTC initiative and was secured by the B.C. Jindal Group through a competitive bidding process at a tariff of ₹5.07 per kWh. The project will combine solar, wind, and battery energy storage to provide power on a 24/7 basis.¹⁶³
- **Nov 26th:** A Masdar-led consortium, which includes OQ Alternative Energy, Al Khadra Partners, and Korea Midland Power Co. Ltd (KOMIPO) was chosen by Oman to develop the Ibri III project, a 500 MW solar plant paired with a 100-MWh battery, marking Oman's first utility-scale hybrid. China Power Engineering Consulting Group International Engineering Co. (CPECC) will provide EPC services for the project.¹⁶⁴
- **Nov 25th:** The Bihar Electricity Regulatory Commission (BERC) has approved a proposal by the Bihar State Power Holding Company Limited (BSPHCL) to procure 200 MW of solar power with a 100 MW / 400 MWh BESS. The renewable energy will be sourced from the Solar Energy Corporation of India (SECI) under the ISTS-connected Tranche-XV Scheme.¹⁶⁵
- **Nov 25th:** ACME Solar's subsidiary, ACME Platinum Urja Private Limited, has finalized a 25-year PPA with the Solar Energy Corporation of India (SECI) for a 200 MW solar project integrated with a 100 MW / 400

¹⁵⁷ <https://www.edp.com/en/investors/investor-information/market-notifications/edp-informs-about-ppa-secured-120-mwac-solar-0>

¹⁵⁸ <https://www.clearwayenergygroup.com/press-releases/clearway-signs-power-purchase-agreement-and-energy-storage-agreement-totaling-520-mw-with-public-utility-district-of-grant-county/>

¹⁵⁹ <https://en.newsroom.engie.com/news/engie-enters-india-s-utility-scale-energy-storage-market-with-a-280-mw-battery-project-6189d-314df.html>

¹⁶⁰ <https://www.derc.gov.in/sites/default/files/Final%20Order%20in%20Petition%20No.%2027%20of%202025.pdf>

¹⁶¹ <https://energy.economictimes.indiatimes.com/news/power/hindustan-power-secures-major-seci-contract-for-300-mw-solar-and-300-mwh-storage-project/125563317>

¹⁶² <https://m.economictimes.com/industry/renewables/waaree-group-gets-battery-storage-project-in-tamil-nadu/articleshow/125585153.cms>

¹⁶³ <https://energy.economictimes.indiatimes.com/news/renewable/bc-jindal-group-secures-150-mw-rtc-renewable-energy-project-with-seci/125586976>

¹⁶⁴ <https://x.com/Masdar/status/1993560587931205782>

¹⁶⁵ <https://www.projectstoday.com/Project-Infographics/Monthly-Magazine/BERC-approves-procurement-of-200-MW-solar-with-400-MWh-storage-from-SECI>

MWh BESS. Power will be supplied at a fixed tariff of INR 3.42 per kWh (kilowatt-hour).¹⁶⁶

- Nov 24th: The Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL) has awarded the 500 MW / 2,000 MWh standalone BESS projects to a total of six developers. The winners, who were selected in the auction concluded in November 2025 at a uniform tariff of ₹285,000 per MW per month, are:
 - Patanjali Ayurved: Awarded the largest capacity of 250 MW / 1,000 MWh.
 - Ultravibrant Solar Energy: Awarded 50 MW / 200 MWh.
 - Rama Reflection India: Awarded 50 MW / 200 MWh.
 - Mecpower Solutions: Awarded 50 MW / 200 MWh.
 - Bhagwati Lacto Vegetarian Exports: Awarded 50 MW / 200 MWh.
 - Diwakar Renewable and Infra (Diwakar Solar): Awarded 50 MW / 200 MWh.

The projects will operate under a build-own-operate (BOO) model, with the developers entering into 15-year PPA with RRVUNL

- Nov 24th: Railway Energy Management Company Ltd. (REMCL), a JV of Indian Railways, has awarded a 1 GW round-the-clock (RTC) renewable energy tender to six developers at a uniform tariff of ₹4.35/kWh. The winning companies are ReNew Solar Power (200 MW), Bhalki Solar Power (200 MW), Purvah Green Power (180 MW), Jindal Green (150 MW), Ayana Renewable (140 MW), and ACME Solar (130 MW). These projects can be located anywhere in India and will supply firm power to Indian Railways through a direct PPA.¹⁶⁷
- Nov 18th: Gujarat Urja Vikas Nigam Ltd. (GUVNL) has completed a 2,000 MW / 4,000 MWh battery energy storage auction in Gujarat, with tariffs ranging from ₹1.8539 lakh to ₹1.89 lakh per MW per month. The nine winners were:¹⁶⁸

Company	Capacity (MW/MWh)	Tariff (₹ per MW per month)
Sun Drops Energia (KP Group)	445 MW / 890 MWh	₹185,390
Ultimate Flexipack	450 MW / 900 MWh	₹189,000
Engie Energy India	280 MW / 560 MWh	₹187,000
Stockwell Solar Services	130 MW / 260 MWh	₹188,991
Samavist Energy Solutions	100 MW / 200 MWh	₹188,499
MECPOWER Solutions	65 MW / 130 MWh	₹187,994
Solar91 Cleantech	65 MW / 130 MWh	₹188,992
Viviana Power Tech	65 MW / 130 MWh	₹188,993
Rajesh Power Services	65 MW / 130 MWh	₹189,000

- Nov 13th: Citicore Renewable Energy Corp. (CREC) secured 1,212 MW in the Philippines' fourth Green Energy Auction (GEA-4) for utility-scale solar and battery energy storage projects, making it one of the largest winners. The projects will be delivered in 2026-2029 in Isabela, Batangas, Quezon, and Negros Occidental.¹⁶⁹
- Nov 12th: Reliance Power's subsidiary, Reliance NU Energies, secured the largest allocation (50%) in SJVN's pioneering Firm and Dispatchable Renewable Energy (FDRE) tender, which positions the Reliance Group as India's leading player in the solar-plus-BESS segment. The project involves developing a hybrid power generation facility combining approximately 900 MW_p of solar capacity with over 3,000 MWh of BESS. This integration is designed to provide round-the-clock, reliable power to Distribution Companies (DISCOMs). Reliance NU Energies secured the project at a competitive tariff of ₹6.74 per kWh through an online reverse

¹⁶⁶ <https://finance.yahoo.com/news/acme-solar-signs-25-ppa-093856735.html>

¹⁶⁷ https://www.tradingview.com/news/reuters.com,2025-11-24:newsml_lfpDhFYd:0-india-remc-announces-1gw-tender-winners/

¹⁶⁸ <https://www.enerdata.net/publications/daily-energy-news/guvnl-concludes-2-gw4-gwh-battery-storage-auction-india.html>

¹⁶⁹ <https://crec.com.ph/press-room/press-releases/crec-wins-big-in-green-energy-auction-4>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

auction.¹⁷⁰

- **Nov 11th**: ACME Solar has won a 450 MW assured peak power project under the SJVN FDRE-IV tender for a 25-year period at a tariff of ₹6.75 per unit. The project will combine 300 MW of solar with a 1,800 MWh BESS to provide power during peak demand hours. This award is significant as it's ACME Solar's first project to use Indian-made solar cells.¹⁷¹
- **Nov 11th**: The Philippines awarded 10.19 GW of renewable energy capacity in the fourth round of its Green Energy Auction Program (GEA-4), which includes solar, wind, and integrated renewable energy with battery storage projects. The winners of the fourth round of the Philippines' Green Energy Auction Program (GEA-4) were 123 different bidders, including major energy companies like Citicore Renewable Energy Corp., San Miguel Global Power Holdings Corp., ACEN Corp., Aboitiz Power Corp., and Basic Energy Corp. The Department of Energy (DOE) has a complete list of all successful bidders available on its website, and required them to submit key compliance documents by early December 2025.¹⁷²
- **Nov 11th**: Sembcorp Industries has secured a 150 MW firm and dispatchable renewable energy (FDRE) project from SJVN Limited, to be developed by its subsidiary Sembcorp Green Infra Private Limited. The project will be built using the BOO model and is part of SJVN's tender for 6,000 MWh of assured peak power. To meet the capacity, Sembcorp will install approximately 750 MW of solar and BESS to provide reliable, round-the-clock renewable energy. Once a 25-year PPA is finalized with SJVN, the project is expected to achieve commercial operation within 24 months.¹⁷³
- **Nov 3rd**: Rondo Energy, and EDP have contracted to deploy a 100 MWh Rondo Heat Battery (RHB) at Central de Cervejas e Bebidas Brewery and Malting Plant, part of HEINEKEN Company in Portugal. The installation will be the largest heat battery in the beverage industry worldwide, providing continuous, renewable steam to HEINEKEN's local operation.¹⁷⁴
- **Nov 3rd**: Lithuania's initial € 102M energy storage tender was oversubscribed by approximately 80 per cent, receiving applications seeking nearly double the amount of available funding. The initial procurement call, launched in February 2025, aimed to secure at least 800 MWh of energy storage capacity. More than 50 project applications were submitted, seeking a total of € 197M in funding, which was nearly double the original € 102M budget. The strong investor interest led the government to approve support for projects totaling a massive 1.7 GW / 4 GWh of capacity, more than five times the original MWh goal.¹⁷⁵

¹⁷⁰ https://www.business-standard.com/markets/capital-market-news/reliance-nu-energies-receives-loa-for-750-mw-3000-mwh-fdre-ists-from-sjvn-125111100381_1.html

¹⁷¹ <https://www.prysm.fi/news/acme-solar-wins-450-mw-1800-mwh-sjvn-fdre-iv-project-for-peak-power-supply>

¹⁷² <https://doe.gov.ph/articles/3141087--gea-4-notice-of-award?title=GEA-4%3A%20Notice%20of%20Award>

¹⁷³ <https://www.sembcorp.com/in/news-and-insights/news/2025/sembcorp-awarded-firm-and-dispatchable-renewable-energy-power-project-in-india/>

¹⁷⁴ <https://www.prnewswire.com/news-releases/rondo-energy-to-deploy-100-mwh-heat-battery-for-heineken-powered-by-solar-from-edp-302601987.html>

¹⁷⁵ <https://ceenergynews.com/renewables/lithuanias-energy-storage-tender/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Open Energy Storage RFPs/RFQs/RFIs

Off-Taker	Description
Australian National Electricity Market	The Australian government has launched Capacity Investment Scheme (CIS) Tender 8, the largest single energy storage tender to date, seeking 16GWh of medium-duration storage capacity for the National Electricity Market (NEM). This tender, which opened on November 28, 2025, requires a minimum 4-hour duration and aims to boost grid reliability by securing energy storage projects that can provide extended grid support during peak demand and renewable intermittency events. Registrations close on January 23, 2026, with full submissions due by February 6, 2026. ¹⁷⁶
BC Hydro	BC Hydro is looking to acquire up to 5,000 GWh/year of additional clean and renewable energy and expect to award Electricity Purchase Agreements (EPAs) in early 2026. The utility released an RFP targeting large-scale energy projects of 40 MW or more, with a minimum of 25% First Nations equity ownership. Bids are due January 5, 2026. ¹⁷⁷
BMME	Brazil's Ministry of Mines and Energy has launched a public consultation for its first battery storage auction, which is part of the 2026 Reserve Capacity Auction (LRCAP). The draft rules specify that eligible systems must have a capacity greater than 30 MW, offer a daily power availability of over 4 hours, and be able to recharge within 6 hours, with a round-trip efficiency exceeding 85%. This initiative aims to integrate large-scale battery systems to provide grid stability and store energy on demand. ¹⁷⁸
California Community Power	California Community Power (CC Power) issued an RFP seeking clean generation and energy storage projects that can meet mid-term reliability, resource adequacy and Renewable Portfolio Standard (RPS) goals. Additionally, CC Power is interested in a range of projects for potential ownership, leveraging the benefits of the Inflation Reduction Act. Further, CC Power is seeking projects that can retain ITC eligibility by meeting the start of construction guidelines in the One Big Beautiful Bill Act (O3BA). CC Power is also seeking responses to its RFI track on emerging technologies such as gas with carbon capture, small modular nuclear reactors, hydrogen, and alternative storage technologies. Bids are due December 5, 2025. ¹⁷⁹
CPS Energy	CPS Energy has issued an RFP to acquire up to 600 MW of additional solar energy through one or more PPAs. The utility plans to announce another battery storage RFP. This comes on the heels of the 470 MW of contracted future battery capacity announced in the second half of 2024. ¹⁸⁰
CUED	The Unified Council of Electricity Companies (CUED) in the Dominican Republic has unveiled a public tender for up to 600 MW of new renewable energy generation. Marking a national first, the bidding process mandates the inclusion of BESS as an essential part of the proposed project. ¹⁸¹
EBRD	The European Bank for Reconstruction and Development (EBRD) is set to assist Jordan with three renewable energy tenders consisting of a 200 MW solar project, a 100 MW wind project, and a 100 MWh BESS project. ¹⁸²
Eswatini	The energy regulatory authority of Eswatini is searching for a project developer to deliver a solar-plus-battery minigrid facility. To ensure the minigrid is capable of electrifying as many people in the area as possible, the solar system should be around 65 kW in size, while the battery storage system should have a capacity of 165 kWh. The deadline for applications is December 3rd. ¹⁸³

¹⁷⁶ <https://asl.org.au/tenders/cis-tender-8-nem-dispatchable>

¹⁷⁷ <https://www.bchydro.com/work-with-us/selling-clean-energy/2025-call-for-power.html>

¹⁷⁸ <https://consultas-publicas.mme.gov.br/home>

¹⁷⁹ <https://cacommunitypower.org/solicitations/2025allsourcerfp/>

¹⁸⁰ <https://www.prnewswire.com/news-releases/cps-energy-launches-request-for-proposal-for-up-to-600-mw-of-solar-energy-302621109.html>

¹⁸¹ <https://dr1.com/news/2025/10/16/dominican-republic-launches-first-600-mw-renewable-energy-tender-that-mandates-battery-storage/>

¹⁸² <https://www.pv-magazine.com/2025/09/22/ebird-to-support-solar-storage-wind-tenders-in-jordan/>

¹⁸³ <https://www.pv-magazine.com/2025/10/28/eswatini-runs-solar-plus-battery-minigrid-tender/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Off-Taker	Description
EWA	Bahrain's Electricity and Water Authority (EWA) will launch the country's first solar power plant tender for up to 150 MW capacity, with commercial operations targeted for Q3 2027 as part of the National Renewable Energy Plan. ¹⁸⁴
FBP	Frankfort Plant Board (FPB) is seeking proposals to meet all capacity and energy requirements associated with its retail load beginning June 1, 2029. This RFP invites comprehensive proposals that address FPB's current and future energy needs, with opportunities for respondents to submit responses to either the Primary Proposal Requests and/or the Alternative Proposal Requests for consideration. The Primary Proposal Request seeks full requirements proposals that will supply 100% of FPB's capacity and energy needs, net of their SEPA allocation, with an optional focus on incorporating renewable energy targets in alignment with the City of Frankfort's sustainability goals. In addition, Alternate Proposal Requests are equally encouraged and may include, but are not limited to, portfolio-based approaches such as market capacity and energy purchases (e.g., block purchases), solar PPAs to further support renewable procurement objectives, or other non-conforming proposals. These alternatives should aim to deliver innovative, cost-effective, and strategically aligned solutions that complement FPB's overall energy procurement strategy. Proposals are due January 12, 2026. ¹⁸⁵
Colorado Springs Utilities	Colorado Springs Utilities intends to release an RFP to secure 1,250 MW of new renewable energy and storage capacity by 2030. The utility is seeking approximately 525 MW of solar, 100 MW of energy storage, and 625 MW of wind capacity, in addition to 350 MW of natural gas. The target date for integrating these new resources is May 2028. ¹⁸⁶
DEWA	The Dubai Electricity and Water Authority (DEWA) has revealed a notable expansion of clean energy output at the Mohammed bin Rashid Al Maktoum Solar Park, now producing a total of 3,860 MW through a mix of Solar PV panels and concentrated solar power (CSP) technologies. DEWA has extended an invitation to global developers to join Phase 7, which will offer a capacity of 1,600 MW, with the potential to increase to 2,000 MW. This phase will include PV solar panels and an integrated BESS with a capacity of 1,000 MW / 6,000 MWh. ¹⁸⁷
Dominion Energy Virginia	Dominion Energy Virginia (DEV) is seeking proposals for the acquisition of new solar, onshore wind and energy storage development projects in Virginia. The Company is seeking PPA proposals that provide it with exclusive rights to 100% of the Unit Capacity of the facility from which such output will be delivered. The company is seeking a total storage capacity of Solar PV + energy storage, stand-alone energy storage, and onshore wind + energy storage PPA Proposals up to 500 MW _{ac} . The proposal submittal deadline is February 9, 2026. ¹⁸⁸
DTE	DTE Electric is seeking between 1,500 and 3,000 MW of firm accredited capacity from clean energy systems and ESS. Proposals must be offered through either a build-to-transfer agreement (BTA), purchase and sale agreement (PSA), or PPA with a planned COD no later than December 31st, 2032. The deadline to submit questions is November 14, 2025, and the proposals are due December 1, 2025. ¹⁸⁹
Georgia Power	Georgia Power has announced the open comment period for its 2025 RFP for ESS resources. This RFP provides a competitive solicitation for Georgia Power to procure 500 MW of ESS. The company prefers the procured resources to be online by no later than the end of 2031. The draft RFP schedule anticipates regulatory approval of RFP documents in December, proposals due in January 2026, and contracts executed about a year later. ¹⁹⁰

¹⁸⁴ <https://x.com/emadghaly/status/1960205586072551537?s=46>

¹⁸⁵ <https://www.publicpower.org/vendor-opportunities/frankfort-plant-board-power-supply-rfp>

¹⁸⁶ <https://www.bidnetdirect.com/colorado/colorado-springs-utilities>

¹⁸⁷ <https://www.dewa.gov.ae/en/about-us/media-publications/latest-news/2025/06/dewa-adds-800mw-of-clean-energy-production>

¹⁸⁸ <https://www.dominionenergy.com/about/delivering-energy/renewable-projects/solar-onshore-wind-and-energy-storage-proposals>

¹⁸⁹ <https://dtee-irp-2025allsourcerfp.com/>

¹⁹⁰ <https://www.prnewswire.com/news-releases/georgia-power-announces-2025-energy-storage-system-request-for-proposals-302564964.html>

Off-Taker	Description
KREDL	Karnataka Renewable Energy Development Ltd (KREDL) has released a tender for the development of a 250 MW Independent System Solar PV + 250 MW / 1,100 MWh BESS at Ryapte in Karnataka. The system aims to supply peak power and optimize grid utilization at the Pavagada Solar Park. ¹⁹¹
Lincoln Electric System	Lincoln Electric System (LES) is soliciting discussions with entities interested in providing LES with firm or deliverable capacity within SPP to meet LES's own load and reserve requirements for the 2026-2030 period. All offers; capacity amounts, term lengths, and types of participation will be considered. Interested parties can contact the Manager of Energy & Environmental Operations, Dennis Florom, at dflorom@les.com . ¹⁹²
MOP	The Indian Ministry of Power (MOP) has introduced a Viability Gap Funding (VGF) program to promote the establishment of BESS throughout India. With the Power Minister's approval, a financial allocation of ₹ 5,400 crore will be drawn from the Power System Development Fund (PSDF). This funding will facilitate the development of 30 GWh of BESS capacity, offering ₹ 18 lakh per MWh as VGF support. The program targets 15 states and NTPC, which will be allocated 25 GWh and 5 GWh, respectively. Interested entities must submit proposals to the CEA within 60 days of the date of guideline issuance. BESS projects will be awarded using Tariff-Based Competitive Bidding (TBCB) under Section 63 of the Electricity Act, 2003. Contracts will be issued on a Build Own Operate (BOO) or Build Own Operate Transfer (BOOT) basis for a period of 12 to 15 years. ¹⁹³
MOTIE	The Ministry of Trade, Industry, and Energy (MOTIE) of South Korea will release a competitive solicitation for battery storage capacity. The capacity will be split between 500 MW of large-scale BESS on the Korean mainland and a 40 MW BESS on Jeju Island. ¹⁹⁴
NCPA	The Northern California Power Agency (NCPA) issued an RFP for renewable energy resources and/or energy storage resources. The RFP seeks to find a best combination of energy storage projects or related products to: (i) achieve compliance with Resource Adequacy requirements; therefore, energy storage resources and related products that include Resource Adequacy Benefits are preferred; (ii) use as complementary resources to manage variability associated with Variable Energy Resources (e.g., solar and wind resources); and (iii) provide economic support and can be used to manage market price volatility risk. NCPA's members have a preference for energy storage resources and related products that have a capacity of 100 MW or less, based on current portfolio objectives. Proposals are due January 16, 2026. ¹⁹⁵
New South Wales	The New South Wales government has announced plans to launch a new tender seeking 500 MW of firming capacity, seeking bids from BESS, gas, and VPP. The new tender will be led by ASL and seek 500 MW of firming capacity for the New South Wales grid by 2028. It will focus on projects in Sydney, Newcastle, and Wollongong. ¹⁹⁶
NTPC	NTPC Renewable Energy Limited has announced a tender for a 100 MWh Vanadium Redox Flow BESS at the Khavda Solar Park. The tender is for an Engineering, Procurement, and Construction (EPC) package to build a 16.7 MW grid-connected battery system. Bids are due December 19, 2025. ¹⁹⁷
NTPC	NTPC Limited has issued a major tender for a 2,670 MWh BESS across nine thermal power stations. The nine locations for NTPC Limited's BESS EPC Package Lot-2 tender, along with their associated energy storage capacities, are: <ul style="list-style-type: none"> • Barauni Thermal Power Station: 1,000 MWh

¹⁹¹ <https://www.pv-magazine-india.com/2025/05/28/karnataka-launches-tender-for-250-mw-solar-project-with-250-mw-1100-mwh-battery-energy-storage-system/>

¹⁹² <https://naema.com/lincoln-electric-system-spp-capacity-solicitation/>

¹⁹³ <https://energy.economictimes.indiatimes.com/news/power/government-approves-5400-cr-funding-for-30-gwh-battery-storage-to-boost-renewable-energy-infrastructure/121756430>

¹⁹⁴ <https://www.energy-storage.news/south-korea-government-tenders-central-contracts-for-540mw-3240mwh-bess/>

¹⁹⁵ <https://www.publicpower.org/periodical/article/ncpa-seeks-proposals-renewable-energy-resources-energy-storage-resources>

¹⁹⁶ <https://www.energy-storage.news/australias-new-south-wales-to-launch-500mw-firming-tender-to-address-grid-reliability-issues/>

¹⁹⁷ <https://eprocurementpc.nic.in/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Off-Taker	Description
	<ul style="list-style-type: none"> • Gadarwara Super Thermal Power Station: 320 MWh • NTECL-Vallur Thermal Power Station: 300 MWh • Khargone Super Thermal Power Station: 250 MWh • National Capital Power Station Dadri-II: 200 MWh • Tanda Super Thermal Power Station-II: 200 MWh • Bongaigaon Thermal Power Station: 150 MWh • Solapur Super Thermal Power Station: 150 MWh • Feroze Gandhi Unchahar Thermal Power Station: 100 MWh <p>Bids are due December 30, 2025.¹⁹⁸</p>
NYSERDA	Governor Kathy Hochul announced the launch of New York's first Bulk Energy Storage RFP, intended to procure one GW of bulk energy storage as part of New York's 6 GW Energy Storage Roadmap on July 28th. Step One Eligibility Applications are due to NYSERDA by September 4, 2025, by 3:00 p.m. ET. Proposers that receive a Notice of Qualification will have an opportunity to submit a Step Two Bid Proposal, which is solicited in Non-Price and Price Phases. The Non-Price Submission deadline is December 11, 2025, by 3:00 p.m. ET, and the Price Submission deadline is January 29, 2026, by 3:00 p.m. ET. Submission instructions are detailed in ISCRFP25-1. ¹⁹⁹
Philippines Department of Energy	The Philippines Department of Energy (DOE) has initiated a tender to integrate over 9.4 GW of new renewable energy capacity to enhance the country's clean energy infrastructure. This initiative involves the development of renewable power sources, including solar and wind, with some projects incorporating BESS to ensure reliability and efficiency. The supply contracts for winning projects will have a 20-year duration starting from the commercial operation date. Technical requirements mandate a minimum storage duration of four hours, an ESS inverter ratio of at least 0.2, and a round-trip efficiency of 85% or higher. ²⁰⁰
Portugal Ministry of Environmental and Energy	Portugal is set to initiate a competitive bidding process for 750 MVA of BESS prior to January 2026, within a wider € 400M initiative designed to enhance grid stability and avert future power outages. The announcement was delivered by Portugal's Ministry of Environment and Energy. ²⁰¹
PSE	Puget Sound Energy (PSE) is issuing a solar and storage RFP seeking 119 MW of standalone or hybrid BESS power by the end of 2030. Sizing should be between 200 kW and 6 MW for qualifying projects. Offers are due January 30, 2026. ²⁰²
PSEG	Public Service Enterprise Group (PSEG) Long Island launched a 2025 PJM RFP to procure either up to 685 MW of capacity from one or more generating facilities located in the PJM Control Area or Capacity Product and Energy Product from the same projects. For each capacity product proposal, which may consist of capacity provided from multiple projects, the respondent must offer a minimum of 50 MW. Additionally, each project must have a minimum capacity of 50 MW. Bids are due January 7, 2026. ²⁰³
RERC	The Rajasthan Electricity Regulatory Commission (RERC) has approved tariffs for a 500 MW / 1,000 MWh BESS project proposed by Rajasthan Rajya Vidyut Utpadan Nigam Ltd. (RRVUNL), which will be acquired through a competitive bidding process. Additionally, a green shoe option has been included for an extra 500 MW / 1,000 MWh capacity. This project will be implemented under the BOO framework and will receive Viability Gap Funding (VGF) from the central government. ²⁰⁴

¹⁹⁸ <https://eprocurementpc.nic.in/>

¹⁹⁹ <https://www.nyserda.ny.gov/All-Programs/Energy-Storage-Program/Developers-and-Contractors/Bulk-Storage-Incentives>

²⁰⁰ <https://www.pv-tech.org/philippines-opens-tender-9-4gw-renewable-energy-storage/>

²⁰¹ <https://www.reuters.com/sustainability/boards-policy-regulation/portugal-invest-466-million-boost-grid-management-battery-storage-after-outage-2025-07-28/>

²⁰² file:///C:/Users/sfb38/Downloads/2025_DSS_RFP_Main_Document.pdf

²⁰³

[https://www.psegliny.com/aboutpseglongisland/proposalsandbids/2025pjmrfp#:~:text=On%20September%2015%2C%202025%2C%20PSEG,%2C%20or%20\(ii\)%20Capacity%20Product](https://www.psegliny.com/aboutpseglongisland/proposalsandbids/2025pjmrfp#:~:text=On%20September%2015%2C%202025%2C%20PSEG,%2C%20or%20(ii)%20Capacity%20Product)

²⁰⁴ <https://energy.economictimes.indiatimes.com/news/power/rajasthan-rerc-approves-tariff-for-1000-mwh-battery-energy-storage-system-project/121949470>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Off-Taker	Description
Rubber Board	The Rubber Board has issued a tender for a 330 kW _p grid-connected solar power plant with a 55 kW BESS at its headquarters in Kottayam, Kerala. The tender seeks bids for a turnkey project, which includes the design, supply, installation, testing, and commissioning of the renewable energy system. This is a major project under the Ministry of Commerce & Industry. The Rubber Board has issued a tender for a 330 kW _p grid-connected solar power plant with a 55 kW BESS at its headquarters in Kottayam, Kerala. The tender seeks bids for a turnkey project, which includes the design, supply, installation, testing, and commissioning of the renewable energy system. This is a major project under the Ministry of Commerce & Industry. ²⁰⁵
SECI	Solar Energy Corporation of India Limited (SECI) has invited proposals for the Balance of System (BoS) of a large BESS project in Nandiyal, Andhra Pradesh. The Nandiyal project has a planned capacity of 600 MW with 1,200 MWh of storage. It will operate as a standalone BESS project to provide firm and reliable support to the grid, particularly during peak hours when renewable power is less available. ²⁰⁶
SENI	The Dominican Republic has launched a tender for up to 600 MW of solar and wind capacity, requiring projects to include at least four hours of battery storage to support stability in the National Interconnected Electric System (SENI). The tender terms and bidding schedule will be announced in the months ahead. ²⁰⁷
Spanish Ministry	The Spanish Ministry for Ecological Transition launched a tender to award up to 1,259 MW of synchronous power-generating modules and synchronous storage capacity. Applications will be chosen on a first-come, first-served basis. ²⁰⁸
SPSC	Southeastern Public Service Company (SPSC) is issuing a tender to generate roughly 2,512 GWh by 2032. All resource types are eligible, including, but not limited to, wind, solar, wind plus storage, solar plus storage, stand-alone storage, natural-gas-fired, hydrogen-fueled technologies, nuclear technologies, geothermal technologies, transitional technologies, and repowering. Proposals that incorporate a transition over time to carbon-free, for example, a gas-fired combustion turbine generator that transitions to hydrogen-fueled, will also be considered. The minimum size of a project is 10 MW. Bids are due January 13, 2026, but bidders must submit an intend to respond notice by December 9, 2025. ²⁰⁹
SWEPCO	Southwestern Electric Power Company (SWEPCO) and Public Service Company of Oklahoma (PSO) have issued a joint 2025 SPP Capacity RFP to obtain up to 350 MW in 2028 and 600 MW in 2029 and 2030 of accredited deliverable electric generating capacity from one or more resources within the Southwest Power Pool (SPP) to supply the needs of SWEPCO and PSO's customers. Proposals are due December 5, 2025. ²¹⁰
TNGECL	Tamil Nadu Green Energy Corp. Ltd (TNGECL) has launched a tender for setting up seven standalone BESS totaling 1,500 MWh (375 MW x 4 hours) in Tamil Nadu. The projects are eligible for viability gap funding (VGF) through the Power System Development Fund (PSDF). The BESS must be designed to charge and discharge with a C-rate of 0.25. Additionally, it must allow charging or discharging in blocks from 25 MW / 100 MWh to 50 MW / 200 MWh, up to the total rated capacity. The minimum bid size is 25 MW x 4 hours (100 MWh) and the project size must be quoted in multiples of 25 MW X 4 hours (100 MWh). Bids are due December 27, 2025. ²¹¹
TNGECL	The Tamil Nadu Green Energy Corporation Limited (TNGECL) has issued an open tender for a 15 MW grid-connected solar power project paired with a 15 MW / 45 MWh BESS in Thiruvapur

²⁰⁵

<https://etenders.kerala.gov.in/nicgcp/app?component=%24DirectLink&page=FrontEndViewTender&service=direct&sp=SPM%2BliYc20eAtG9SKohMKrg%3D%3D>

²⁰⁶ <https://solarquarter.com/2025/08/21/seci-invites-bids-for-600-mw-1200-mwh-battery-storage-project-in-nandiyal-andhra-pradesh/>

²⁰⁷ <https://www.ess-news.com/2025/08/19/dominican-republic-tenders-up-to-600-mw-solar-wind-with-mandatory-storage/>

²⁰⁸ <https://weadapt.org/organisation/miteco/?tab=about>

²⁰⁹ <https://api.knack.com/v1/applications/5ef3be3e64136e001609357d/download/asset/68f87dc304ccc802fd349bc6/rfp.pdf>

²¹⁰ <https://naema.com/aepsc-rfp-for-spp-capacity/>

²¹¹ <https://tggenco.com/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Off-Taker	Description
	district. The tender is a two-part, open bid that includes an e-reverse auction. The project will be developed on a BOO basis, with a 25-year PPA period. Submission deadline is December 29, 2025. ²¹²
Transgrid	Transgrid says it will seek to award contracts for more than 1 GW of grid-forming battery capacity in 2026, the first stage of a plan to engage 5 GW of battery capacity in the coming years. The first gigawatt of capacity is expected to be able to deliver its services by the middle of 2026, so these battery projects will need to be either already operating or in the commissioning process. More tenders will be held in subsequent years. ²¹³
Western Australia Government	The Western Australian government has launched an expression of interest (EoI) process for a 50 MW / 500 MWh vanadium battery project in Kalgoorlie. This is the first stage of a two-stage process that runs until January 30, 2026. ²¹⁴

General News

United States

Illinois Prepares for Storage Mandate

Nov 5th: The Illinois' Clean and Reliable Grid Affordability (CRGA) Act (SB 25) has passed both chambers of the legislature and now awaits the governor's signature. The bill creates the following provisions:

- 3 GW Energy Storage Mandate: The bill includes a 3 GW procurement of BESS to reduce costs and create jobs.
- Solar and VPP programs: A 3 GW solar goal and programs for Virtual Power Plants (VPPs) and Time-of-Use rates are included.
- Community Solar PLAs: Project Labor Agreements (PLAs) will be required for community-solar projects 3 MW_{ac} and larger.
- Other provisions: The act also includes provisions for stronger energy efficiency programs and improvements to transmission infrastructure.

International

EU to Require ESS > 1MW to Grid Form

Nov 25th: The EU is moving to mandate that new ESS above 1MW must have grid-forming capabilities. This is part of an update to the Network Code on Requirements for Generators (NC RfG 2.0) and requires these systems to actively support grid stability by providing synthetic inertia, controlling voltage and frequency, and responding to disturbances, rather than just passively following the grid. While the regulation is expected to be adopted in 2026, implementation in member states could lead to full compliance for most new projects between 2028 and 2029, allowing for transitional periods.

Romania Announces €150M Energy Storage Program for Municipalities

Nov 15th: Romania's Energy Minister Bogdan Ivan announced a new € 150M energy storage program to deploy 385 MW of battery storage projects in municipalities across the country. In parallel, one of Romania's largest standalone battery storage projects, owned by Premier Energy Group, secured financing and is expected to be operational by late 2026 or early 2027. These initiatives are part of a broader push to increase Romania's energy storage capacity and achieve energy independence.²¹⁵

²¹² <https://tntenders.gov.in/nicgep/app>

²¹³ <https://reneweconomy.com.au/network-giant-launches-australias-biggest-tender-for-grid-forming-batteries/>

²¹⁴ <https://www.wa.gov.au/organisation/energy-policy-wa/kalgoorlie-vanadium-battery-energy-storage-system-expression-of-interest>

²¹⁵ <https://list.solar/news/romania-allocates-2/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Data Center / Energy Storage News

United States

- Nov 25th: The World Bank Group's International Finance Corporation (IFC), Malaysian state-owned investment company Permodalan Darul Ta'zim (PDT), and Malaysian renewable developer Ditrolic Energy have partnered on a \$6 billion renewable energy megaproject in Southern Johor. The project aims to support the state's position as a growing hub for hyperscale data centers. The initial buildout is expected to include up to 4GW of solar capacity and 5.12GWh of energy storage across a 10,000-acre site.²¹⁶
- Nov 24th: Elon Musk's AI startup xAI is set to deploy more than \$375 million worth of Tesla Megapack battery energy storage units at its Colossus II supercomputer cluster in Memphis, Tennessee.²¹⁷

Fractal Customer Gift Shop

Existing Fractal Clients – Email Us for Your PROMO Code to get your complimentary Fractal Storage T-shirt (info@fractalba.com). Thank You For Your Business - Merry Christmas!



Non-Customers can still order shirts through our Swag Shop.

<https://www.energystorageconsultants.com/product-category/fractal-swag/>

²¹⁶ <https://www.datacenterdynamics.com/en/news/world-bank-signs-deal-with-pdt-and-ditrolic-energy-for-6bn-solar-storage-hub-in-johor-malaysia/>

²¹⁷ <https://www.datacenterdynamics.com/en/news/xai-to-deploy-telsa-megapacks-at-colossus-ii-supercomputing-site-in-memphis-tennessee/>

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

Upcoming Conferences

2025	EVENT
November 11-12, 2025	Solar Media Battery Asset Management Summit – San Diego, CA
November 25-26, 2025	Large Scale Solar Central Eastern Europe – Warsaw, Poland
December 2-3, 2025	RE+ Community Energy 2025 - Schaumburg, IL
December 2-3, 2025	Informa PV ModuleTech Europe 2025 – Malaga, Spain
December 2-3, 2025	Battery Asset Management Summit Europe 2025 – Rome, Italy
December 3-4, 2025	RE+ Midwest 2025 - Schaumburg, IL
December 2-3, 2025	Informa PV ModuleTech Europe 2025 – Malaga, Spain
December 9-10, 2025	Reuters Energy LIVE 2025 – Houston, TX

2026	EVENT
January 5-6, 2026	IEEE Electrical Energy Storage Applications and Tech – Tucson, AZ
January 12-14, 2026	Infocast Projects & Money 2026 – New Orleans, LA
January 20-22, 2026	Powergen International 2026 – San Antonio, TX
January 22-23, 2026	Novogradac 2026 New Markets Tax Credit Conference – San Diego, CA
January 27-28, 2026	RE+ Hawaii 2026 – Honolulu, Hawai'i
January 28–29, 2026	Solar & Storage Live Thailand 2026 – Bangkok, Thailand
February 2-5, 2026	Distributec 2026 – San Diego, CA
February 3-4, 2026	Solar Media Solar Finance & Investment Europe 2025 – London, UK
February 3-5, 2026	RE+ Northeast - Boston, MA
February 10-12, 2026	ERCOT Summit 2025 – Austin, TX
February 11-12, 2026	CREA Operators Summit – Toronto, Canada
February 18-20, 2026	Intersolar / Energy Storage North America 2026 – San Diego, CA
February 24-25, 2026	Energy Storage Summit 2026 – London, UK
March 2-4, 2026	2026 COSSA Solar Power Energy Storage Mountain West – Denver, CO
March 3-5, 2026	Solar Power Africa 2026 - Cape Town, South Africa
March 4-6, 2026	ACP Operations, Maintenance & Safety Conference 2025 – Orlando, FL
March 10-11, 2026	Informa PV CellTech Europe – Frankfurt, Germany
March 10-11, 2026	Solar Media PV CellTech Europe 2026 – Frankfurt, Germany
March 11-12, 2026	Energy Storage Show – Birmingham, UK
March 11-12, 2026	RE+ Microgrids 2026 – Houston, TX
March 11-12, 2026	RE+ Texas 2026 – Houston, TX
March 12-13, 2025	Energy Storage Show – Birmingham, UK
March 15-18, 2026	Infocast Solar Wind Finance and Investment 2025 – Phoenix, AZ
March 17-18, 2026	Energy Storage Summit Australia 2026 – Sydney, Australia
March 18-19, 2026	Solar & Storage Live Queensland 2026 – Brisbane, Australia
March 24-25, 2026	Solar Media Large Scale Solar USA – Dallas, Texas
March 24-25, 2026	Solar Media Energy Storage Summit USA 2026 – Dallas, TX
March 25-26, 2026	RE+ Cono Sur 2026 – Santiago, Chile
March 25-27, 2026	Solar & Storage Live Africa 2026, Johannesburg, South Africa
March 30–April 1, 2026	ACP Siting & Permitting Conference 2026 – Aurora, CO
March 31-April 1, 2026	RE+ Southeast - Atlanta, GA
March 31, 2026	ERCOT Innovation Summit - Round Rock, TX
April 1-3, 2026	Energy Storage International Conference and Expo (ESIE 2026) – Beijing, China
April 6-7, 2026	Solar & Storage Live Egypt 2026 – New Cairo, Egypt
April 7-9, 2026	Middle East Energy (MEE 2026) – Dubai, UAE
April 8-9, 2026	Solar & Storage Live Malaysia 2026 - Kuala Lumpur, Malaysia
April 14-16, 2026	Infocast California Clean Energy Summit 2026 – San Diego, CA
April 14-16, 2026	RE+ Mexico - Jalisco, Mexico

April 14-16, 2026	Infocast New York Energy Summit – Albany, NY
April 15-16, 2026	Solar Media Large Scale Solar Europe – Milan, Italy
April 15-16, 2026	RE+ Africa - Kigali, Rwanda
April 20-23, 2026	Data Center World – Washington, D.C.
April 22-23, 2026	The Battery Show South – Charlotte, NC
April 27-28, 2026	NPM US Power & Data Center Development Forum – New York, NY
April 28-29, 2026	Intersolar Brasil Nordeste - Fortaleza, Brazil
April 29-30, 2026	Solar & Storage Live London 2025 – London, UK
April 29-30, 2026	Wood Mackenzie Solar & Energy Storage Summit 2026 – Denver, CO
April <u>TBD</u> , 2026	RE+ Eastern Europe – TBD, Europe
April <u>TBD</u> , 2026	Renewables Energy Revenues Summit USA 2026 – Dallas, TX
April <u>TBD</u> , 2026	NPM Development & Finance Conference 2026 – <u>TBD</u>
May 5-6, 2026	Infocast Tax Credits & Transferability 2026 – <u>TBD</u> , Texas
May 11-12, 2026	Reuters SMR & Advanced Reactor 2026 – Houston, TX
May 13-14, 2026	All Energy UK – Glasgow, UK
May 13-15, 2026	China International Battery Fair (CIBF2026) - Shenzhen, China
May 14-15, 2026	Novogradac 2026 Spring Renewable Energy Tax Credits – San Diego, CA
May 19, 2026	NPM European Development & Finance Forum 2026 – Hamburg, Germany
May 19-20, 2026	Solar & Storage Live Philippines 2026 – Manila, Philippines
May 19-20, 2026	Solar Media Renewables Procurement & Revenue Summit – London, UK
May 20, 2026	RE+ Portugal, Porto, Portugal
May 20-21, 2026	Hawaii Energy Conference – Maui, Hawaii
May 27-28, 2026	Solar + Storage España 2026 - Valencia, Spain
June 1-4, 2026	Clean Power 2026 – Houston, TX
June 2-4, 2026	RE+ South Africa - Johannesburg, South Africa
June 9-10, 2026	Solar & Storage Live Middle East 2026 – Dubai, UAE
June 9-11, 2026	Informa Battery Show Europe 2026 - Messe Stuttgart, Germany
June 15-17, 2026	Intersolar & Energy Storage North America (IESNA) Midwest – Rosemont, IL
June 16-17, 2026	Infocast Energy Storage Finance & Investment 2026 – San Diego, CA
June 16-17, 2026	Solar Media PV ModuleTech USA – Napa, USA
June 16-18, 2026	Infocast Transmission & Interconnection Summit 2026 – Washington, D.C.
June 23-24, 2026	Reuters Global Energy Transition 2026 – New York, NY
June 23-25, 2026	Electrical Energy Storage 2025 – Munich, Germany
June 23-25, 2026	Intersolar Europe 2025 – Munich, Germany
June 30-July 1, 2026	Solar Media Clean Power 2030 Summits – London, UK
July 8-9, 2026	Solar & Storage Live Vietnam 2026 - Ho Chi Minh City, Vietnam
July 14-16, 2026	Infocast PowerUp Data Centers Texas 2026 – <u>TBD</u> , Texas
July 14-15, 2026	Solar & Storage Live Nigeria 2026 – Lagos, Nigeria
July <u>TBD</u> , 2026	Infocast Midcontinent Energy Summit 2026 – Indianapolis, IN
July <u>TBD</u> , 2026	CARILEC Engineering & Procurement Conference – <u>TBD</u> , Caribbean
August 12-13, 2026	RE+ Mid-Atlantic, Philadelphia, PA
August 25-27, 2026	ees / Intersolar South America 2025 - São Paulo, Brazil
August 26-27, 2026	Solar & Storage Live Kenya 2026 – Nairobi, Africa
August 26-27, 2026	Battery Asset Management Summit Australia 2025 – Sydney, Australia
August <u>TBD</u> , 2026	Smarter E South America - São Paulo, SP, Brazil
September 1-2, 2026	Infocast Texas Clean Energy – Austin, Texas
September 1-3, 2026	Infocast PowerUp Data Centers Northwest 2026 – <u>TBD</u> , Oregon
September 1-3, 2026	Informa InterSolar Mexico – Mexico City, Mexico
September 1-3, 2026	ees Mexico 2025 – México City, Mexico

September 9-10, 2026	Infocast Mountain West Renewables 2026 – Salt Lake City, UT
September 15-16, 2026	Solar Media Energy Storage Summit Germany – Berlin, Germany
September 16-17, 2026	Solar & Storage Live Zurich 2026 – Zürich, Switzerland
September 22-24, 2026	Solar & Storage Live UK 2026 – Birmingham, UK
September <u>TBD</u> , 2026	Energy Storage Canada 2026 – <u>TBD</u> , Canada
September <u>TBD</u> , 2026	Large Scale Solar Southern Europe 2026 – <u>TBD</u> , Europe
October 1-3, 2026	Infocast Energy Independence 2026 – Houston, Texas
October 6-7, 2026	Energy Storage Summit Central Eastern Europe – Warsaw, Poland
October 6-7, 2026	PV CellTech USA 2026 – San Francisco, CA
October 7-8, 2026	Solar & Storage Live Italia 2026 – Veronafiere, Italy
October 9-11, 2026	SNEC Energy Storage and Battery Expo 2026 – Shanghai, China
October 12-15, 2026	The Battery Show North America 2025 – Detroit, MI
October 13-14, 2026	Energy Storage Summit Latin America 2026 – Santiago, Chile
October 19-21, 2026	Electricity Transformation Canada – Toronto, Canada
October 20-21, 2026	Solar & Storage Live Cape Town 2026 – Cape Town, South Africa
October 20-21, 2026	Solar Media Solar & Storage Finance USA Summit 2026 – New York, NY
October 23-25, 2026	Solar & Storage Live KSA 2026 - Riyadh Front, Saudi Arabia
October 27-29, 2026	Infocast Southeast Renewable Energy 2026 – Charlotte, NC
October 27-28, 2026	Intersolar Summit Brasil Sul - Porto Alegre, Brazil
October 29-29, 2026	All Energy Australia 2026 – Melbourne, Australia
October <u>TBD</u> , 2026	Energy Storage Summit Asia 2026 – <u>TBD</u> , Asia
October <u>TBD</u> , 2026	Reuters Energy Transition Europe 2026 - UK
October <u>TBD</u> , 2026	Reuters Energy Asia 2026 - Singapore
October <u>TBD</u> , 2026	CARILEC Conference and Exhibition 2026 – <u>TBD</u> , Caribbean
October <u>TBD</u> , 2026	Battery Asset Management Summit UK & Ireland 2025 – <u>TBD</u> , Europe
November 5-6, 2026	Novogradac 2026 Fall Renewable Energy Tax Credits – Washington, D.C.
November 16-19, 2026	RE+ 2026 – Las Vegas, Nevada
November 16-19, 2026	Green Transportation Summit & Expo – Las Vegas, NV
November 18-19, 2026	Intersolar & Energy Storage North America Texas - Grapevine, Texas
November <u>TBD</u> , 2026	Solar Media Battery Asset Management Summit – <u>TBD</u> , CA
November <u>TBD</u> , 2026	Large Scale Solar Central Eastern Europe – <u>TBD</u> , Europe
December <u>TBD</u> , 2026	Reuters Energy LIVE 2026 – <u>TBD</u> , Texas
December <u>TBD</u> , 2026	RE+ Community Energy 2026 - <u>TBD</u>
December <u>TBD</u> , 2026	Informa PV ModuleTech Europe 2026 – <u>TBD</u> , Europe
December <u>TBD</u> , 2026	Battery Asset Management Summit Europe 2026 – <u>TBD</u> , Europe
December <u>TBD</u> , 2026	RE+ Midwest 2026 - <u>TBD</u>
December <u>TBD</u> , 2026	Informa PV ModuleTech Europe 2026 – <u>TBD</u> , Europe

Fractal Energy Storage Consultants News

Fractal is a specialized energy storage consulting and engineering firm that provides expert consulting, independent engineering, and advisory services for energy storage and hybrid projects.



EXPERT MODELING

RFP SERVICES

CONTRACT SUPPORT

DUE DILIGENCE

BUY-SIDE ADVISORY

SELL-SIDE ADVISORY

ENGINEERING SERVICES

WWW.ENERGYSTORAGECONSULTANTS.COM

EXPERT ENERGY STORAGE CONSULTING ENGINEERING & ADVISORY

KEY SERVICES

Financial Analysis

- Project Lifetime Investment Analysis
- Cost Analysis and Benchmarking
- Revenue Analysis and Benchmarking
- Seller Model Preparation
- Feasibility Studies
- Bankability Analysis
- Power Market Pricing Assessment
- RFP Offer Preparation
- Long-Term Power Market Forecasts

Expert Contract Support

- Turnkey Form of Agreement Preparation (Supply, SLA, Turnkey EPC, EPC, PPA, Full Toll, Virtual Toll, ESSA, Warranty)
- Technical Exhibit Preparation or Review (DOR, Scope, EMC/MPC/SCADA, Technical Specifications, Test Plans, Performance Guarantees)
- Negotiation Support (Supply, SLA, Turnkey EPC, EPC, PPA, Full Toll, Virtual Toll, ESSA, Warranty)
- Availability, PFG, LDs, and Caps

M&A Services

- Arrange and Lead Competitive Sales Processes for Assets and Equipment
- Buy-side and Sell-side Representation
 - Development and Operational Assets and Platform Advisory Services

Due Diligence Services

- Financial, Technical, and Commercial Due Diligence Review to Support Investment, Finance, M&A, and Tax Equity Transactions

Independent Engineering Services

- Independent Engineer Review and Report
- Fatal Flaw Analysis
- Technology Assessment
- Energy Production Review
- Cost Estimation and Critical Path Schedule Development
- Commissioning Test Plan Development
- Commissioning Witness/Certification
- Annual Performance Verification
- Technical Dispute Resolution
- Fire Safety Review
- SLD and Site Layout Preparation
- 30%, 60%, IFP, IFC Design / Drawing Review

Procurement Support

- Procurement Strategy Advising
- RFP Package Drafting
- Bid Evaluation and Scoring

Market Analysis

- ISO/RTO Market Analysis
- Development Roadmap / Go-to-Market
- Energy Storage Trends
- Custom Topic Whitepapers

FRACTAL MODEL TECHNOECONOMIC MODELING SOFTWARE

BANKABLE BATTERY STORAGE AND HYBRID DESIGN AND ANALYSIS TOOL

V25.9 RELEASED ON SEPTEMBER 30TH - SCHEDULE A DEMO

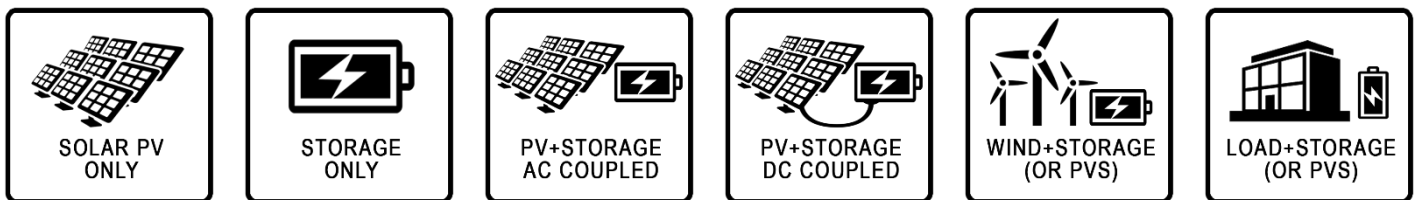


STANDALONE STORAGE OR HYBRID SYSTEM ANALYSIS

The Fractal Model is a bankable, techno-economic modeling tool used for project development, due diligence, and RFP evaluation. Used by hundreds of companies globally, the Fractal Model provides investment-grade analysis while simulating performance, degradation, warranty, costs, and revenues to optimize the economics of your energy storage and hybrid projects.

The Fractal Model platform is a cloud-based solution and is available through a license with quarterly updates. The Fractal Model is used by electric utilities and tier-1 energy companies (developers, EPCs, integrators) to perform battery storage sizing, dispatch, and financial analysis. Fractal Model strives to be the energy market's choice for transparent, real-world storage investment analysis.

Contact Rahul Verma (rahul@fractalba.com) for a demo.



Fractal Model v 25.9 Key Updates Include:

1. CAPEX Updates and Supply Chain Calculation:
 - Current State of the BESS Market in Q3 2025
 - FEOC Rules for OBBBA 2025
2. Expanded Hybrid and Gas Generation Model
 - Expanded Hybrid Model Features with Gas and PV Detailed Efficiency Inputs
3. Training Library
 - Video Walkthroughs on Latest Models and Templates app.fractalmodel.com

SUPPORTED USE CASES AND CONFIGURATIONS

STANDALONE OR HYBRID PROJECTS

- Standalone BESS
- Solar PV (AC and DC Coupled)
- Wind
- Load
- Gas

REVENUE SOURCES

- ISO/RTO Market Participation
- PPAs and Tolling Contracts
- Retail Energy and Demand Charge Offsets

BESS APPLICATIONS

- Wholesale Power and Ancillary Services
- Renewable Energy Shifting
- Load Following and Peak Shaving
- Capacity Market Obligations
- Solar PV Smoothing and Firming
- Curtailment Reduction
- Solar PV Clipped Energy Recapture

WHOLESALE MARKETS

- Built-in Functionalities for all North American Markets
- Customizable for European and Asia Pacific Markets

INTERCONNECTION

- Front-of-the-meter
- Behind-the-meter

TECHNOLOGIES

- Lithium-ion (multiple LFP, NMC, LTO, etc.)
- Flow Batteries (multiple)
- Zinc Aqueous
- Sodium Sulphur Batteries

TAX INCENTIVES

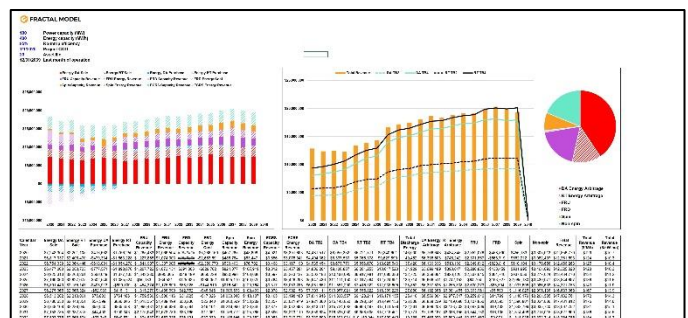
- Investment Tax Credit
- Production Tax Credit
- State Incentives

STATE LEVEL PROGRAMS

- CA Self-Generation Incentive Program (SGIP)
- MA Solar Massachusetts Renewable Target (SMART) 2.0 and 3.0
- NY Value of Distributed Energy Resources (VDER)
- MA Clean Peak Energy Standard
- MA / RI Connected Solutions
- NY Index Storage Credits (ISC)
- Custom – Build Your Own

INVESTMENT-GRADE ANALYSIS

Fractal Model’s financial model generates detailed cash flow results used for investment analysis worldwide. Fractal Model supports tax equity cash flow, back leverage, construction loans, and other advanced financial model features. Users can perform sensitivity analysis by changing annual escalators for capacity payments, arbitrage revenue, ancillary revenue, warranty costs, aux load costs, corrective maintenance, etc., to derisk project economics.



Fractal EMS News



BMS/EMS/PPC KEY FEATURES

Fractal EMS combines advanced features with competitive pricing to create the industry’s best energy storage and hybrid controls value.

- ✔ **TECHNOLOGY AGNOSTIC**
Flexible architecture that allows you to use different types of batteries and PCS.
- ✔ **MADE IN THE U.S.A.**
Fractal EMS is U.S.-made with an in-house controller, FNE assembly, and in-house software development
- ✔ **TURNKEY CONTROLS**
Full-stack controls and software for EMS/SCADA/MPC. Fractal designs, installs, and commissions the controls, networking, SCADA, historian, and HMI.
- ✔ **LOCAL CONTROLS**
Fractal hosts the historian and HMI on-site and off-site (the equipment controls are on-site and do not need the cloud).
- ✔ **PV+S (SOLAR + STORAGE)**
Hybrid (AC or DC coupled), solar-only, storage-only, and AC and DC coupled.
- ✔ **DATA RETENTION**
Fractal stores data for the life of the contract to support warranty claims and asset sales.
- ✔ **VERTICAL CONTROLS**
Fractal provides a range of options, including unit controller, site controller, and MPC.
- ✔ **SCALABLE**
An open, modular platform that can control multiple sites with 100+ PCS. Fractal provides a fleet-level view of your portfolio.
- ✔ **CYBER SECURITY**
Built on ISO 27001, NERC CIP, and NIST 800-53 framework. Highly experienced in-house cyber/IT team with third-party auditing.
- ✔ **EXPERIENCED TEAM**
Our team has over a decade of energy storage controls development, integration, commissioning, and operations.
- ✔ **BUILT FOR HIGH RELIABILITY**
Hardened equipment backed by a high availability guarantee.
- ✔ **DIAGNOSTICS**
Performance analytics to maximize performance and uptime.

UNLOCK YOUR SUPPLY CHAIN

Fractal EMS can integrate, commission, and provide best-in-class cybersecurity for the following battery systems and inverters. Contact us for more information on alternative suppliers:

- Vertical equipment: Tesla, Sungrow, LGES, CLOU, Powin, AESI
- Batteries: A123, AESC, Amperon, ATESS, ATL, BYD, CALB, CATL, Cornex, COSPOWERS, CRRC, Cube Energy, Desay, ECO Power, Eneon, Envision, E-Storage, EVE Energy, EVLO, Goldwind, Gotion, Great Power, Hithium, Hyperstong, PotisEdge, JA Solar, JD Energy, JinkoESS, Kore Power, Linyang, Lishen, Narada, Our Next Energy, Power X, RCT Power, RelyEZ, REPT Battero, Risen, Samsung, Sinexcel, Sunwoda, SVOLT, Tecloman, Trina Storage, Wolong, Zentech, Zetara Power, Zonergy, ZTT
- Inverters: PE, SMA, EPC Power, Sungrow, Sineng, Dynapower, Ingeteam, Kehua, Huawei, CRRC, Sinexcel, NR Electric, TBEA



WELCOME OUR NEWEST HIRES

Matthew Guthrie, Technical Project Manager

Chris Larsen, Regional Director, Europe and Middle East

SCHEDULE A DEMO OR TOUR

Schedule a demo today. Feel free to reach out about bidding on your projects (Fractal partners with vendors and EPCs to provide quotes):

- Corrie.Kutkey@FractalEMS.com
- Ziwei.Cao@FractalEMS.com
- Chris.Larsen@FractalEMS.com

FRACTAL REMOTE MONITORING AND OPERATIONS



REMOTE MONITORING AND OPERATIONS PACKAGES

Fractal EMS provides options for business hours or 24/7 monitoring and operations for BESS and Solar PV through our in-house NERC CIP Medium control room based in Austin, Texas. Fractal EMS only uses real, in-house experienced BESS operators to monitor your projects including technical support, troubleshooting, incident response and coordination. Our job is to maximize uptime, protect your warranties and to keep your assets performing well. Schedule a visit to our control room to meet our operations team.

MONITOR

- 24/7 real-time **human** monitoring and asset management for BESS, Solar PV and Substation²¹⁸
- Monitor Fractal EMS hardware and software
- Monitor SOC, C-rate and DoD management
- Monitor fire alarm activity indicated on the fire suppression panel and report events
- Anomaly detection and trend analysis
- Daily, weekly, monthly customizable automated performance reports
- Outage or incident root cause analysis, per request

RESPOND

COORDINATE

- Coordinate market operations with QSE
- Coordinate with manufacturers to identify problems and provide guidance/solutions for BESS-related matters that may impact system performance (e.g., low cooling loop pressures, locked up readings, nuisance alarms, etc.)
- Serve as liaison to equipment providers to facilitate resolution of any BESS issue and estimate impact on site performance
- Support / submit warranty claims
- Facilitate capacity, RTE or performance tests as requested

NOTIFY

²¹⁸ Fractal EMS can monitor the battery system, balance of plant, substation and solar PV per monitoring agreement options.

Not for redistribution.

Subscribe to our monthly newsletter at <https://www.energystorageconsultants.com/fractal-newsletter/>

- Provide remote technical support, troubleshooting and system restoration
- Perform remote inverter resets
- Assess, escalate and respond to events
- Assess remedial actions if remote troubleshooting is insufficient
- Respond to owner and equipment provider inquiries

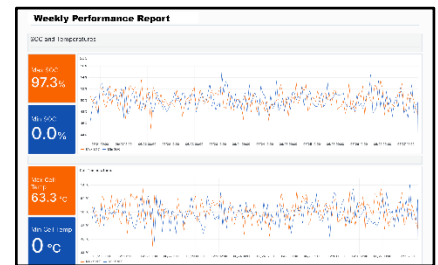
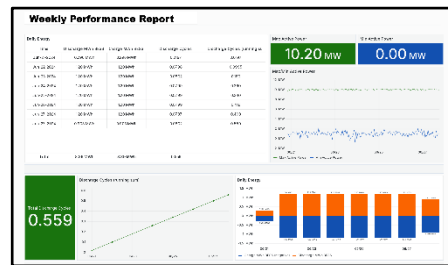
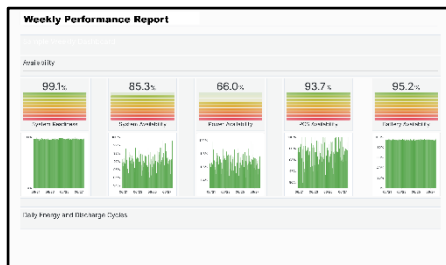
- Notify the owner of Level 2, 3 and 4 events
- Notify owner of all technical events which reduce BESS availability within five minutes

REPORT

- Daily, weekly, monthly customizable automated performance reports
- Outage or incident root cause analysis, per request

PERFORMANCE REPORTING

Fractal EMS provides customizable daily, weekly, and monthly performance and availability reports.



Fractal EMS Performance Monitoring Reports

KEEP YOUR ASSETS AND PEOPLE SAFE

Some EMS providers subcontract their monitoring services to an unknown party. Others only monitor the software. Fractal EMS provides experienced, in-house asset monitoring that:

- Prioritizes, escalates, and communicates events or abnormalities with owners
- Performs trend analysis, reporting and troubleshooting on KPIs to maintain system health and performance

- Initiates emergency response protocols, event escalation and notifications
- Ensures automated safety interlocks associated with equipment are properly executed

SCHEDULE A TOUR

**SCHEDULE A VISIT OF OUR REMOTE OPERATIONS CENTER
INFO@FRACTALEMS.COM**