

US PUBLIC ENERGY STORAGE PROJECT FACTORY OPERATION ANNOUNCEMENT



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What is the new PGE battery project? The new PGE battery project was made possible partially by the new Inflation Reduction Act, which offers investment tax credits for battery storage projects. PGE refers to the new installations as a single project although they are located at separate sites across town, one in North Portland and one in Troutdale.

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Why is Portland putting in a second-largest battery storage installation? (AP Photo/Sam Hodde) Portland General Electric, the utility serving Portland, Oregon, announced Friday it is putting in the second-largest battery storage installation in the United States, at 400 MW of power. The significance of such projects is they diminish the need for power plants that burn fossil fuels that warm the planet.

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What is Form Energy's energy storage project? The project partner, Form Energy, will deploy an 85 MW/8500 MWh multi-day energy storage project at the Lincoln Technology Park at the site of a former pulp and paper mill in Lincoln, Maine. Form's iron-air battery technology uses iron, water, and air to store electricity for up to 100 hours.

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Why is Maine launching a multi-day energy storage system? Additionally, we are excited to deploy our multi-day energy storage technology to help solve the challenges associated with transitioning New England's energy system to be more sustainable and resilient. Maine's congressional delegation lauded the announcement, as well as the town manager of Lincoln, Richard Bronson who stated:

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What did OE announce at the energy storage Grand Challenge summit? OE made these announcements at its 4th Annual Energy Storage Grand Challenge Summit bringing together stakeholders who will shape the future of the electricity infrastructure through next-generation energy storage solutions.

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How much electricity does the Portland project generate? The Portland project will generate enough electricity for around 260,000 homes, roughly the size of the city, for four hours at full power. ???Although we are a small utility, I like to think we punch above our weight,??? said Brett Greene, PGE???s senior director, calling it an important step towards reducing carbon emissions 80% by 2030.

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A key component of that is the development, deployment, and utilization of bi-directional electric energy storage. To that end, OE today announced several exciting developments including new funding opportunities ???



The first phase of the world's largest sodium-ion battery energy storage system (BESS), in China, has come online. The first 50MW/100MWh portion of the project in Qianjiang, Hubei province has been completed and ???



Cupertino, California Apple today announced over 110 of its manufacturing partners around the world are moving to 100 percent renewable energy for their Apple production, with nearly 8 gigawatts of planned clean ???

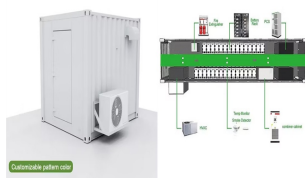


The U.S. Department of Energy's Loan Programs Office (LPO) announced today a conditional commitment to SPV ESM ATLiS LLC (ATLiS), a subsidiary of EnergySource Minerals LLC (ESM), for a direct loan of up to ???

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OE has announced an NOI for \$8 million in funding for up to four projects to address manufacturability challenges that energy storage technology developers face when making design decisions that impact production of the ???



Stellantis, which includes brands Alfa Romeo, Chrysler, Jeep and Ram, also announced a joint venture with LG Energy Solution in 2021, called NextStar Energy, to build a North American factory with



Today, the U.S. Department of Energy's (DOE) Loan Programs Office (LPO) announced the closing of a \$1.66 billion loan guarantee (\$1.55 billion in principal and \$107 million in capitalized interest) to Plug Power Inc.'s ???

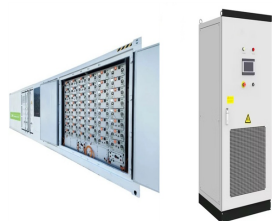


DNV experts across Asia Pacific pooled extensive battery energy storage system expertise for the project; Energy storage systems expected to play a crucial role in the Philippine market for moving the energy transition ???

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The California Energy Commission (CEC) has approved a \$30 million grant to Form Energy to build a long-duration energy storage project that will continuously discharge to the grid for 100 hours. The 5 MW / 500 MWh ???



LG Energy Solution invites Arizona state government and local community officials for a construction progress update on its second U.S. stand-alone facility. Completion and start of production expected in about two years, ???



Form Energy was founded in 2017 by energy storage veterans who shared a unified mission to reshape the global electric system by creating a new class of low-cost multi-day energy storage systems. The company began ???



Gotion High-Tech manufactures lithium-ion battery cells and ESS solutions. Image: Gotion High-Tech. China-headquartered lithium-ion battery manufacturer Gotion High-Tech has announced a new US\$2 billion ???



Governor Janet Mills and Maine's congressional delegation announced today that the U.S. Department of Energy has awarded a \$147 million grant to develop the largest long-duration energy storage project in the world ???

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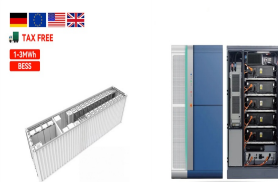
The Natron factory in Michigan, which formerly hosted lithium-ion production lines. Image: Businesswire. Natron Energy has started commercial-scale operations at its sodium-ion battery manufacturing plant in Michigan, ???



The solar PV electricity output and BESS services will be provided to Modesto Irrigation District (MID). RWE has leveraged its in-house solid technical battery energy storage experience and project design, modeling and ???



Developer Strata Clean Energy and utility Arizona Public Service (APS) have agreed a 20-year tolling agreement for a 255MW/1GWh battery energy storage system (BESS). The pair announced the agreement, which will ???

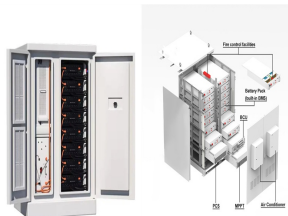


FILE - This photo shows part of a battery energy storage facility in Saginaw, Texas, April 25, 2023, that is owned and operated by Eolian L.P. The Energy Department is making a push to strengthen the U.S. battery supply ???



"Energy storage is a crucial part of the new and evolving electricity grid," said Shawn Qu, chairman and CEO of Canadian Solar. "Battery cells are the heart of a utility-scale energy storage system. This project will put ???

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June brought nine new IRA-linked projects across six states. Projects included over \$700 million worth of investment and the creation of over 1,300 jobs, with the largest project coming from Norway-based solar ???



The Puerto Rico Energy Public Policy Act (Act 17) requires Puerto Rico's utility to cease all coal-fired energy generation by 2028 and shift to a 100% renewable energy mix by 2050. To help Puerto Rico reach 100% clean energy ???



Utility-scale energy storage company Energy Vault has begun constructing what will be the largest green hydrogen long-duration energy storage project in the U.S., located in Northern ???



Jupiter Power has secured \$286m in project financing to fund the construction of two standalone utility-scale battery energy storage systems (BESS) in the US: Tibbits in Michigan and Tidwell Prairie in Texas. The two ???