

BPP Invests in First 100 MW Battery Project in the U.S., Accelerating 'Power+' Growth to Meet Rising Electricity Demand

- *BPP is expanding its portfolio with the 'Megamouth' battery energy storage system (BESS) project, a power capacity of 100 MW, with an energy storage capacity of 200 MWh. This marks the company's first BESS investment in the U.S., enhancing grid flexibility and creating new revenue opportunities in the merchant power market. The project supports BPP's strong transition into 'Power+' business as a fully integrated power pure-play platform and is expected to achieve commercial operation date (COD) in Q4/2027.*
- *The investment strengthens BPP's U.S. electricity value chain, spanning power generation, storage and trading, and enhances competitiveness in an electricity market that is rapidly transitioning toward a new-energy landscape.*
- *The project is expected to generate revenue from energy arbitrage by capitalizing on price differentials in the power market, as well as from ancillary services that support grid stability, while leveraging BPP's energy trading expertise to build sustainable long-term revenue and unlock future investment opportunities, including services for data centers and commercial businesses.*

Banpu Power Public Company Limited (BPP), an international energy producer company, continues to expand its investment portfolio in the United States by investing in the 'Megamouth' Battery Energy Storage System (BESS) project through its subsidiary, Banpu Power US Corporation (BPPUS). The total investment value of the project is approximately USD 90 million (equivalent to THB 2,799 million). It is located in Houston, Texas, one of the fastest-growing BESS markets in the U.S. and the country's second largest by scale^[1]. The project will have a power capacity of 100 megawatts (MW) and an energy storage capacity of 200 megawatt-hours (MWh) and will be interconnected with CenterPoint Energy's transmission grid in Houston. The BESS will operate in the ERCOT merchant market, where electricity demand continues to rise, driven by industrial growth and the expansion of data centers and is expected to achieve commercial operation date (COD) in Q4/2027. This investment supports the growth of the fully integrated power pure-play platform under 'Power+' (power and related businesses), one of the core business pillars of Banpu Group following the planned amalgamation with Banpu Public Company Limited. It also strengthens BPP's U.S. electricity value chain, across power generation, storage and trading, enhancing competitiveness in an electricity market that is rapidly transitioning toward a new-energy landscape.

The ERCOT merchant market is one of the fastest-growing electricity demand markets in the U.S.^[2]. U.S. summer peak electricity demand (July–August) is projected to rise by 70% by 2031, reaching around 143 gigawatts (GW), amid heightened price volatility driven by climate variability and the continued growth of renewable energy

penetration, both of which increase complexity to grid stability management. At the same time, ERCOT faces mounting pressure from a declining reserve margin, rapidly rising electricity demand from industrial users and data centers, and the absence of a capacity market mechanism to ensure sufficient reserve power during peak demand periods. Together, these factors make ERCOT one of the more operationally challenging power markets in the U.S. in terms of system management.

Mr. Issara Niropas, CEO of Banpu Power PCL (BPP), said, “ERCOT is entering a pivotal phase in the U.S. energy transition, making BESS a critical technology for strengthening grid stability and flexibility. In response to this strategic opportunity, BPP has invested in a BESS project in the U.S. to establish a competitive revenue stream in the merchant market, while also creating opportunities to serve high electricity-demand customers such as data centers and commercial businesses. This investment also builds on our U.S. power trading expertise through BPPUS, enhancing our ability to manage the project effectively, ensure long-term sustainable revenue, and maintain system reliability. It positions BPP for future participation across the energy value chain, spanning thermal power, renewables, BESS, and energy trading, and serves as an important foundation for strengthening Banpu Group’s competitiveness in the global energy market.”

The BESS project is expected to generate its primary revenues from energy arbitrage, through purchasing electricity during low-price periods and selling at higher prices, and from ancillary services that support grid stability amid ERCOT’s volatility^[3]. The project will also benefit from an investment tax credit (ITC) of approximately 40% of eligible capital expenditures (CAPEX).

“This investment in low-carbon energy assets aligns with future energy demand trends and represents a significant step in expanding the BESS portfolio under the ‘Power+’ business of the Banpu Group, supporting the long-term growth strategy while advancing the company’s decarbonization goals,” Mr. Issara Niropas concluded.

Learn more about BPP’s business at www.banpupower.com

****Exchange rate of USD 1 = THB 31.10**

^[1] Rabobank, [Texas: A high stakes frontier for US battery energy storage systems](#)

^[2] EIA, [ERCOT increasingly meets rising demand with solar, wind, and batteries](#)

^[3] The energy arbitrage business model refers to generating profits from price differentials in the electricity market, i.e. buying power during low-price periods and selling it when prices are higher, while ancillary services are grid-support services that enhance the overall quality and stability of the power system.

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About BPP

Banpu Power PCL (BPP), an international energy producer company, drives utility-scale power and integrated businesses under “Power+,” one of Banpu Group’s core business pillars, across Asia Pacific and the United States. Operating under the concept “Pioneering Energy, Empowering Tomorrow,” BPP is committed to powering a better tomorrow with reliable energy. For nearly three decades, BPP has been a forefront of delivering reliable, high-quality energy that meets global standards, by integrating advanced technologies with decarbonization efforts and strong corporate governance. BPP also actively supports local communities and aligning its operations with environmental goals in every country where it operates.

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