

What is an EPC agreement for a battery energy storage system?

The negotiation of an engineering, procurement and construction (EPC) agreement for a battery energy storage systems (BESS) project typically surfaces many of the same contractual risk allocation issues that one encounters in the negotiation of an EPC agreement for a solar or wind project.

What is an EPC agreement?

EPC agreements may also provide the EPC contractor the ability to permanently "buy down" BESS project performance via payment of agreed liquidated damages, subject typically to specified minimum levels of performance required to be met or exceeded under all circumstances. Decommissioning and disposal

What is an EPC agreement containing Bess project performance guarantees?

An EPC agreement containing BESS project performance guarantees will contain detailed testing procedures as well as provisions for liquidated damages in the event that a constructed BESS project is unable to pass applicable performance testing.

Does an EPC agreement include a decommissioning plan?

To the extent decommissioning is addressed in the EPC agreement and the obligation allocated to the EPC contractor, a specific decommissioning plan will often be attached as an exhibit to the EPC agreement.

How do energy storage contracts work?

For standalone energy storage contracts, these are typically structured with a fixed monthly capacity payment plus some variable cost per megawatt hour (MWh) of throughput. For a combined renewables-plus-storage project, it may be structured with an energy-only price in lieu of a fixed monthly capacity payment.

Can a Bess project be financed without a full-wrap EPC agreement?

That said, as the project finance market for BESS projects is still developing and equity remains the more typical source of financing, alternatives to the full-wrap, turnkey EPC agreement have been utilized on BESS projects, largely to reduce equipment procurement costs to the owner.

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Vistra's Moss Landing battery storage site (Source: Vistra Energy). Pricing: How much is enough? A further complication for developers and utilities to consider is how to value any revenues the project might generate ...

Blattner is a diversified energy storage contractor and provides complete engineering, procurement and construction (EPC) services for utility-scale storage projects. We've built stand-alone energy storage systems, but also provide ...

From EPRI's Energy Storage Integration Council: "Energy storage services flow from the bottom up... Reliability takes priority (e.g., T& D deferral before market services)... Long-term planning ...

Edina's Battery Energy Storage EPC Capability. We can deliver the EPC battery energy storage solution, including detailed design, tier 1 technology integration and modular engineering, project management, and long-term service ...

Energy density is becoming a key tool in optimising the economics of battery energy storage projects as suitable sites become harder to find. Ben Echeverria and Josh Tucker from engineering, procurement and ...

3 ???&#0183; Aboitiz Power Corporation's geothermal subsidiary, AP Renewables Inc. (APRI), alongside Aboitiz Renewables Inc. (ARI), has partnered with Shandong Electric Power Engineering Consulting Institute Co. Ltd (SDEPCI) ...

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