

Electric power markets in North America are undergoing significant structural changes with the decarbonization of the grid. Energy storage is playing a pivotal role in providing both resilience and flexibility to the grid. Solas Energy® is a leader in providing comprehensive strategy and consulting services for grid-scale energy storage system (ESS) projects. Solas Energy's energy storage project portfolio surpasses 5,000 MWh of capacity, with experience including project management, construction and commissioning support, project feasibility, technology research, and policy review services.



Energy Storage Modeling



Regulatory Policy Development



5,000 MWh Utility-Scale Projects

Energy Storage Modeling

- Real-time modeling with state-of-the-art modeling tools.
- Energy storage economics for arbitrage and grid services.
- Technology review.
- Feasibility reports.
- Energy storage greenhouse gas life cycle, and operational impacts and benefits.

Regulatory and Permitting Support

- Policy and regulatory jurisdictional review for storage deployment.
- Advocacy for energy storage integration into existing markets both as a load and generator.
- In-front and behind-the-meter battery energy storage system (BESS) regulatory support.

Development Support

- Energy storage project technology and feasibility review including battery energy storage, compressed air, pumped hydro, flywheels, and thermal energy storage.
- Energy storage forecasting to accommodate integration into a modernized grid.
- Size optimization and design for project use cases.
- Utility grid decarbonization analysis for implementing energy storage technology.
- Integration of energy storage with renewable energy technologies, including solar and wind for maximum efficiency and market reward.

Project/Construction Management Services

- Utility-scale battery energy storage project and construction management.
- Procurement, installation, and controls integration support during construction.
- Offtake contract management during commissioning.

Commercial EPC Bid Management

- Power Purchase Agreement review and support.
- Ancillary Support Services Agreement review and support.

"Solas Energy's experience in project and construction management for utility-scale solar energy and battery energy storage systems has been critical to the success of (our) large-scale project."

Chief Executive Officer
Terra-Gen, LLC

Contact Us Today to Learn More

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Innovative. Comprehensive. Trusted.

