

Energy Storage in Connecticut

Behind-the-Meter (BTM) Opportunities with Stem



The Connecticut Energy Storage Solutions Program makes battery energy storage projects financially attractive for commercial and industrial (C&I) customers. The program, available to all C&I end users served by Eversource and United Illuminating (UI), will improve the payback of the systems and help the state reach its goal of 290 MW of C&I-sited storage by 2030.

How the Program Works

This new program launched January 1, 2022 to promote energy storage deployment. This program offers an upfront deployment incentive and an ongoing performance incentive for new behind-the-meter energy storage systems. The energy storage systems can be standalone or paired with new or existing solar. The program requires all projects to be capable of providing backup power to the host site during outage events.

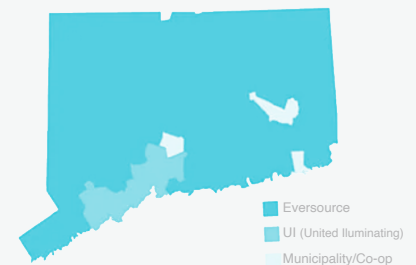
Act Now

Program enrollment is open now. There are limited funds, so act quickly to secure your project timeline. The initial program will release funds for 50MW through December 31, 2024 for eligible C&I customers within Eversource or UI territory deploying new energy storage systems. The program will incentivize 290 MW of C&I storage in total by 2030, with additional capacity opening after 2024.

Benefits for your Customers

By enrolling customers in the Connecticut Energy Storage Solutions Program, Stem can help you reduce your customers' utility bills by greater than 20%. Sites with system sizes 1MWh+ and over 150kW of demand from 3-8pm are most likely to see savings.

Location



Key Benefits

- Performance incentives
- Demand charge management
- Reduction of installed capacity (ICAP) charges

Stem Services for Developers

- Modeling
- Incentive program application
- End-to-end support from procurement through operation

Best-fit Customers

- Sites with average loads of >150 kW from 3-8pm during the summer months
- "Peaky" load profiles
- System size 1MWh+

Typical Results

- >20% utility bill savings

Entire Lifecycle Support for Energy Storage

CT Incentive Adder

Claim the upfront incentive by discharging the battery according to passive dispatch compliance options.

Add-On Value Streams & Reporting

Capture more revenue and savings to improve margin and increase differentiation with the performance incentive, utility bill optimization, and ICAP reduction.

Project Evaluation & Design

Simulate storage savings to determine the optimal system size to meet your IRR goals.

Customer & Installation Support

Increase speed to market by leveraging Stem's procurement, EPC technical advising, and site assessment support.

Operations Management & Support

Differentiate your project with value-added services like warranty management, health monitoring, preventative maintenance, performance reporting, and performance guarantees.

Program Assistance

Remove project complexity from your interconnection agreement, application support, and incentive management.

Why Partner with Stem?

Stem is a C&I storage leader that helps with all elements of adopting energy storage and enrolling in incentive programs like the Connecticut Energy Storage Solutions Program. We work with developer, off-taker, solar, and EPC partners to manage the process of designing, procuring equipment, deploying, and operating storage systems. We offer integrated, end-to-end support as you add storage to your standalone, community solar, or commercial behind-the-meter projects. Stem was one of the first providers to deploy energy storage in the Northeast. As of the end of 2021, we have over 50MWh and 20 projects operating in New York and Massachusetts, with many more on the way.

With new policies emerging in Connecticut, you need a solution that can adapt and keep your project deriving value over its lifetime - whether that means participating in new demand response programs, maximizing wholesale market revenues, or shifting energy to reduce ICAP exposure. Stem is playing a key role in helping developers get these projects to the finish line through our extensive experience in storage development efforts, our supply chain strength, analytical support around technical and economic analysis, and construction and permitting support. By joining the Stem Channel Partner Program, you receive access to online educational sessions, sales support, long term partner support after deployment, policy and regulatory insights, and market outlooks.

Our best-in-class Athena® smart energy software drives success under this framework by having the most experience in demand response and market participation of any commercial storage software, ensuring that you get the most value possible out of new revenue streams. Athena is able to co-optimize multiple value streams including demand response, ICAP, solar charging, and utility bill optimization. Athena's scalability and flexibility are key as grid conditions change and new tariffs and grid services programs are added.

Project Highlights



Massachusetts Water Resources Authority

Greater Boston, MA

Facility Type: Water Pump House, Municipal Office Building

Solutions: Energy Storage, Utility Bill Optimization, Demand Response, Sustainability

Storage System Size: 1MWh

To learn more about Stem's solutions, contact stem.com/contact-us.

