

Illumine-i Launches IVE BESS Across PJM: AI-powered C&I BESS Sizing Platform To Accelerate Deployment

Purpose-built for New Jersey utilities, the AI-driven platform replaces weeks of manual modeling with instant, investment-grade C&I proposals in under 2 minutes.

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[Illumine-i](#), a premier power engineering and technical advisory firm across North America, today announced the official U.S. release of [IVE BESS](#), an engineering-first energy storage sizing platform built specifically for C&I behind-the-meter projects.

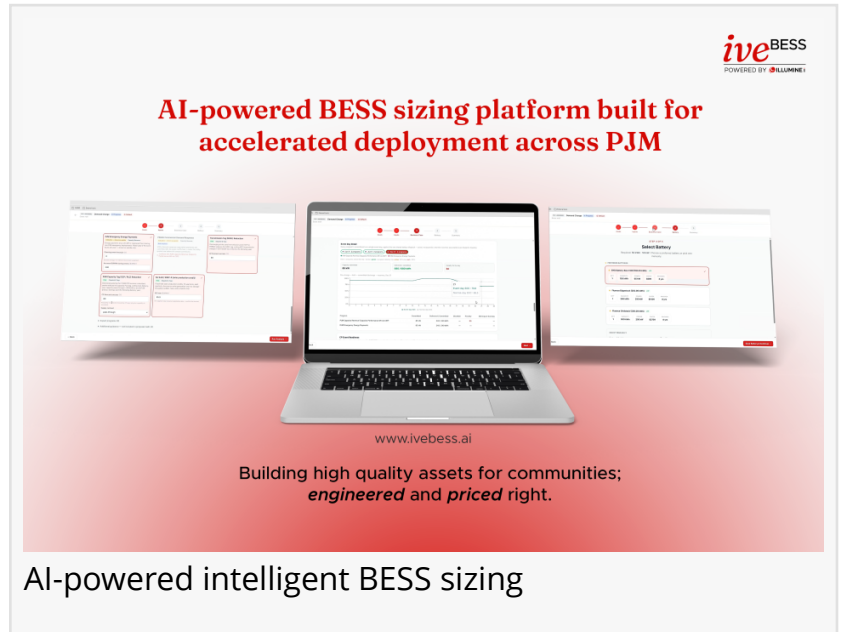
Debuting with dedicated coverage across New Jersey and the broader PJM Interconnection footprint, IVE BESS eliminates fragmented analysis by turning raw meter interval data into bankable, 20-year financial business cases in under two minutes.

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Sudarsan Krishnan, Co-Founder & CPO

As New Jersey accelerates toward its aggressive clean energy targets, local commercial enterprises face unprecedented grid volatility. Soaring demand charges, shifting time-of-use rate structures, and stricter solar export policies are turning BESS into an economic imperative. However, navigating New Jersey's evolving incentive programs, complex utility tariffs, and site-specific load profiles has traditionally required weeks of disconnected engineering studies, financial spreadsheets, and hardware iterations.



AI-powered intelligent BESS sizing

NEW JERSEY LEADS THE SHIFT TO ENGINEERING-FIRST BESS SIZING:

"Most energy software on the market takes a hardware-centric approach - you pick a battery brand, plug in a size, and test how it performs," said Sudarsan Krishnan, Co-founder and CPO of Illumine-i. "We designed IVE BESS to solve the engineering problem first. In a high-demand market like New Jersey, IVE BESS starts with the customer's actual 15-minute-interval electricity load, solar generation, and localized utility tariff. It then calculates the exact battery capacity, operational behavior, and financial return required to maximize site ROI."

IVE BESS is backed by Illumine-i's eleven-year track record of engineering gigawatts of solar, battery storage, and electrical grid infrastructure across North America. Built upon the core guiding principle—"Building high-quality assets for communities; engineered and priced right."—the platform translates over a decade of field-tested engineering intelligence into a digital SaaS experience. Instead of replacing human expertise, IVE BESS equips developers, EPCs, and energy consultants with an enterprise-grade engine that outputs customer-ready proposals detailing recommended power and capacity sizing, 20-year NPV, IRR, and month-by-month utility bill impacts.

UNLOCKING PJM MARKET INCENTIVES AND RAPID US EXPANSION:

The initial release focuses heavily on New Jersey utilities (including PSE&G, JCPL, and ACE), integrating state storage incentives, regional tariff structures, and federal ITC rules directly into the engine. The resulting output is a customer-ready proposal that includes an optimized technical design, 8,760-hour simulation depth, and executive financial metrics.

Following its [New Jersey and PJM launch](#), IVE BESS will expand into additional high-growth energy markets across North America throughout 2026, including Illinois (ComEd) and California (CAISO/SGIP) shortly. IVE BESS is available immediately for C&I solar developers, energy consultants, and EPCs looking to streamline proposal workflows and capitalize on New Jersey's booming storage economy. To request a live product demo or learn more, visit www.ivebess.ai

About Illumine-i:

Illumine-i is a premier grid integration and power engineering firm specializing in clean energy systems, including solar, battery storage, EV charging stations, and substations. Founded by US industry-seasoned engineers Nithish Sairam (ex-Tesla, NextEra) and Sudarsan Krishnan (ex-Sunrun, Black & Veatch), the firm leverages deep ecosystem expertise and proprietary in-house digital tools to eliminate downstream construction risks. Over the past 11 years, Illumine-i has engineered gigawatts of solar, energy storage, and electrical infrastructure with a commitment to delivering field-proven design accuracy and optimized financial performance. IVE BESS represents the digital extension of this mission, making advanced BESS engineering accessible at the click of a button.

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