



# New York Battery and Energy Storage Funding: What You Need Now

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## The Empire State's Energy Storage Imperative

New York's grid's been playing catch-up since Superstorm Sandy. With 70% of the state's greenhouse emissions coming from buildings, battery storage solutions aren't just nice-to-have; they're survival tools. The Climate Act mandates 6GW of storage by 2030, but here's the kicker: we're only at 1.3GW installed as of Q2 2023.

Wait, no - correction. The latest NYSERDA report shows 1.7GW operational. That growth spurt? Largely thanks to the energy storage funding packages rolled out in 2022. But why should you care? Simple. Whether you're a Queens homeowner or a Buffalo factory operator, these incentives directly impact your energy bills and blackout risks.

## Follow the Money: NY's Storage Incentives

New York's piecing together a \$1.3 billion storage incentive puzzle. The main slices:

- Retrofit rebates (up to \$250/kWh for commercial systems)
- NY-Sun solar+storage tax credits (30% project cost)
- ConEd's VPP programs (\$500/kW-year for grid services)

Take the Bulk Storage Program. It's doling out \$280 million for projects over 5MW. Just last month, a 100MW lithium-ion facility in Orange County secured \$28 million through this channel. But here's the rub - application windows close faster than a Manhattan subway door during rush hour.

## When Checks Meet Reality: Storage in Action

Let me tell you about NineDot Energy's Bronx project. They combined battery storage funding with community solar credits to power 600 low-income households. The kicker? Their battery containers double as graffiti canvases for local artists. That's the New York way - practical meets passionate.



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Then there's the not-so-secret sauce: virtual power plants (VPPs). National Grid's Brooklyn Queens Neighborhood Program pays participants \$2,000 upfront plus \$500/year for sharing their Powerwalls. It's like Airbnb for electrons, really. But will these pilot programs scale? That's the million-dollar question - or rather, the \$400 million question (that's what's earmarked for VPP expansion through 2025).

## Navigating the Funding Maze

Here's where folks stumble. The NYSERDA application portal requires 14 document types, from electrical schematics to community benefit plans. My pro tip? Partner with NY-certified installers - they've got the bureaucratic playbook memorized. And watch those deadlines! The next Commercial Storage Incentive round closes October 15th.

Oh, and don't sleep on the Inflation Reduction Act bonuses. Stack the federal tax credits with state programs, and some projects see 65% cost coverage. But (and this is a big but), the interconnection queue's ballooning. As of August, NYISO's backlog hit 11GW of storage projects. Moral of the story? File early, design flexible systems, and maybe keep a backup generator... just in case.

## The Copper-to-Cash Ratio

Let's crunch numbers. A typical 10kW residential system costs \$16,000 pre-incentives. With NY's rebates and federal credits? Out-of-pocket drops to \$5,600. Payback period? Roughly 4 years with current ConEd rates. But here's the twist - new time-of-use rates coming in 2024 could slash that to 2.5 years for savvy users.

Now, compare that to Texas' storage incentives (oh wait, there aren't any). Or California's SGIP program which maxes out at \$200/kWh. New York's playing to win the storage race, but the real test comes this winter. Can these funded systems keep the lights on when nor'easters hit? We're about to find out.

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