

# **NY-BEST Update and the Growing Ecosystem for Batteries in New York State**

**Wednesday, February 19, 2025  
NAATBatt Annual Meeting**

# New York Battery and Energy Storage Technology Consortium (NY-BEST)

NY-BEST is a not-for-profit industry association founded in 2010 in collaboration with New York State/NYSERDA

- We are a membership-based organization and currently have approximately 185 member companies, ranging from small startup companies to large multi-nationals, government agencies, public utilities, service providers and more.
- Member companies span a wide range of technologies—electrochemical, thermal, mechanical, hydrogen and fuel cells, etc.

# Meet the NY-BEST Team



William Acker  
Executive Director



John Cerveny  
Sr. Director, Supply Chain



Claudia Villar-Leeman  
Sr. Director, Policy



Carly DuPuis  
Sr. Program Manager



Victoria Shaw  
Sr. Program Manager



Chris Ladopoulos  
Program Manager



Richard Sturtevant  
Policy Associate

## NY-BEST Core Services

- Policy Education and Advocacy
  - Policy Leadership Circles
- Ecosystem Development
  - Prototyping, testing, characterization resources
  - Supply chain development – support & attract
- News & Information and Events
  - Free “State of Charge” monthly newsletter
  - Capture the Energy, Innovation conferences
  - Online events, topical webinars, courses

## Recent New York Energy Storage Wins

- Public Service Commission Order authorizes approximately \$2 billion in funding for energy storage deployment programs
- Raymond opens Battery Manufacturing Plant in Binghamton
- NYISO planning to use a battery as proxy unit as opposed to a fossil plant for the first time
- NY State Fire Code update will address energy storage safety



The Raymond Corporation and Toyota Material Handling announce the official opening of the Energy Solutions Manufacturing Center of Excellence in Broome County, New York on September 9, 2024.

# NY-BEST 2025 Priorities

- Policy & Regulatory
  - Implementation of grid ES deployment programs - Bulk, Retail, Residential
  - Deployment pathways for long duration storage, H2, V2G, and SATA
  - Drive appropriate fire code and programmatic revisions
- Ecosystem Growth
  - Supply Chain Development –existing manufacturers and attract new
  - Startup and company acceleration
- Member Assistance and facilitation of relationships
- Education and Events

# NY-BEST 2025 Plans & Priorities

Ecosystem Growth  
and Development



**EDA Build Back Regional Challenge (awarded)**

**2022-2026**

**\$63M Federal + \$50M State**

**16 Partners**



**NSF Engines (awarded)**

**2024-2026 (2034)**

**\$15M in 2 years (up to \$160M/10 years)**

**30+ Partners**



**EDA Tech Hub (designation)**

**2023-**

**Up to \$70M opportunity**

**60+ Partners**



Use-Inspired R&D



Technology Transfer  
& Startup



Scale-Up



Manufacturing &  
Supply Chain

Workforce Development and Diversity, Equity, Inclusion, and Accessibility

NSF Engine

EDA BBBRC & Tech Hub



# New Energy New York

## The NENY Supply Chain Team led by NY-BEST Provides:

- Technical Assistance
  - Assessing and assisting with expanding or entering BESS market
  - Facilitate access to ecosystem resources
    - RIT Battery Prototyping Center (BPC)
    - BEST Test and Commercialization Center
    - ...and more
- Sourcing suppliers and service providers
  - Supply Chain database and one-one introductions/screening
  - Products and services (project developers, research, other services)
- Engaging with Economic Development Organizations (EDOs)
- Identify and navigate funding opportunities
- Help to establish and expand facilities in New York State

# Battery Show North America: Detroit - 2024

23 Organization's Logos @ Booth

Asset Maps showing locations:

- 97 Manufacturing sites
- 144 Service Providers
- 50 Battery Show participants 20'
- 174 NENY SCDB NYS Listings

Additionally: Ramboll, Seal & Design, BAE Systems, NY-BEST, GTI Fabrication, Invest Buffalo-Niagara, and National Grid

# Education and Events

## **Capture the Energy: NY-BEST Annual Meeting & Expo**

May 13-15, 2025

Albany Capital Center, Albany, NY

## **Fall Energy Storage Innovation Conference**

October 2025

Upstate NY

# Education and Events

## Educational Courses

### Recent Topics:

- Storage as a Transmission Asset (SATA)
- Interconnection (Distribution & NYISO)
- Economic Development of ES in NY
- Mitigating ES Safety Risks
- NYS Inter-Agency Fire Safety Working Group Fire Code Recommendations
- ES Supply Chain Opportunities
- Understanding Utility Tariffs
- NYC Power Plan
- Controls Test Methods

Access past courses via our online library

<https://ny-best.org/page/NYBESTeducationalcourses>

*Share your ideas/suggestions with us!*

# Thank you for attending!

**John Cerveney, Sr. Director**

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# Legislative and Budget Priorities

1. Incorporating **safe energy storage permitting under ORES** jurisdiction
2. Embedding **Hazard Support personnel** into existing government Emergency Response infrastructure
3. Passing a **Sales Tax Exemption** for commercial energy storage systems
4. Establishing a competitive **Domestic Manufacturing** program to build a robust energy storage supply chain in NY



New York State Senate. Source: Newsday

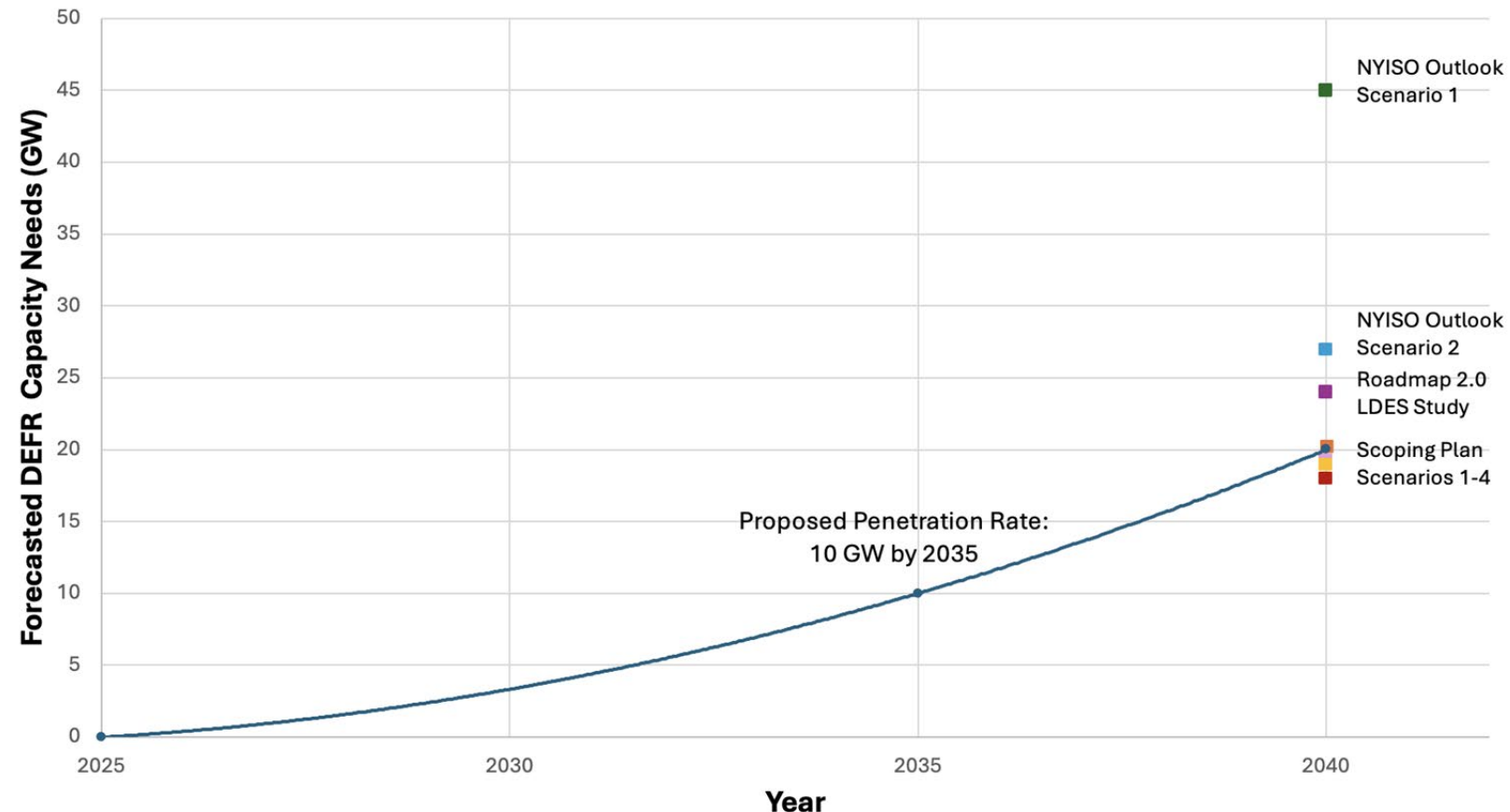
## 6 GW Energy Storage Roadmap

- **PSC issued historic [Order](#) approving “Roadmap 2.0” in June 2024**
  - Formally expands State goal to 6 GW by 2030, unlocking nearly \$2B in incentives
    - **Bulk storage** (5 MW or larger): 3,000 MW target \$701M - \$1,400M
    - **Retail storage** (less than 5 MW): 1,500 MW target \$489M
    - **Residential storage** (small BTM): 200 MW target \$74M
  - PSC Case [18-E-0130](#); NY-BEST summary of Order [here](#)
- **NYSERDA developing Implementation Plans, subject to public comment**
  - Bulk Implementation Plan will be released in mid October
  - [Retail/Residential Implementation Plan](#) posted, comments due November 18

# Supporting Long-Duration Energy Storage (LDES)

- NYS needs Dispatchable Emissions-Free Resources (DEFERs):
  - 10 GW x 2035
  - 20 GW x 2040
- NY-BEST advocating for dedicated **LDES procurement program** using Cap & Invest funds

20 GW of DEFERs by 2040: A Conservative Target





# Other Public Service Commission Proceedings

Proceeding	Case #	Purpose	Next Steps
Coordinated Grid Planning Process (CGPP)	<a href="#">20-E-0197</a>	Utilities, NYISO and others collaborate on transmission planning	Modeling White Paper - Fall 2024 Grid Upgrade Report - Dec 2025
Proactive Grid Planning	<a href="#">24-E-0364</a>	Utilities plan for grid upgrades to support electrification	Urgent Upgrade proposals - Nov 13 Proactive Planning Framework - Dec 13
Grid of the Future (GOTF)	<a href="#">24-E-0165</a>	PSC plans for increased deployment and integration of flexible resources	Flexibility Study - Nov 15 GOTF Draft Plan - Dec 31
Marginal Cost of Service (MCOS)	<a href="#">19-E-0283</a>	Determine value of components of the VDER stack for distributed resources (DRV, LSRV)	Technical Conference - Oct 1
Clean Energy Standard (CES)	<a href="#">15-E-0302</a>	To achieve goals of NYS Climate Act, including 70x30 and 100x40	Ongoing Biennial Review Zero Emissions Proceeding

# NYISO Matters

- **Demand Curve Reset**
  - For the first time, proxy unit will be 2-hr battery, not fossil plant
  - Final report [here](#), comments due Oct 9. (Prior NY-BEST comments [here](#))
- **FERC Order No. 2023**
  - Reforms interconnection procedures to address queue backlogs and improve certainty
  - NY-BEST comments [here](#)
- **Storage as Transmission**

# Supporting Downstate Storage

- **New York City**
  - Supporting City ESS strategy
  - Addressing Noise Code concerns
  - Streamlining FDNY permitting
  - Leveraging LL97
- **Long Island**
  - Pushing back on PSEG Utility 2.0 Plan - NY-BEST comments [here](#)
  - Revising VDER in LIPA territory
  - Ensuring LIPA participation in NYSERDA Roadmap programs



Microgrid Network (MGN) 5MW BESS, Brooklyn NYC.

# Transportation Policy Leadership Committee

- PSC Proceedings and Working Groups
  - Alternatives to Traditional Demand Based Rate Structures for Commercial EV Charging
    - Load Management Technology Incentive Program (LMTIP)
  - Electric Vehicle Infrastructure Interconnection Working Group (EVIIWG)
  - Grid of the Future
- NYSERDA Initiatives (ITWG)
  - UL 1741 SB Waiver
  - Flexible Interconnection
  - Harmonizing the interconnection process for V2G projects