

# NY-BEST Update



NEW YORK BATTERY  
AND ENERGY STORAGE  
TECHNOLOGY CONSORTIUM

[www.ny-best.org](http://www.ny-best.org)

Thursday, February 23, 2023  
NAATBatt Annual Meeting

# NY-BEST Core Services



- News & Information Sharing
- Policy Education and Advocacy
  - Policy Leadership Circles
- Ecosystem Development
  - BEST Test and Commercialization Center
  - RIT Battery Prototyping Center
  - R&D; Start-up Company assistance
- Education and Events

# NY-BEST 2022 Accomplishments



- Grew our team to better support members
- Policy – Governor directive to Double NYS Storage Target; New Roadmap for Energy Storage; Final Climate Scoping Plan
- New Energy New York
- Li-Bridge
- Supercharge
- Education and Events

# NY-BEST 2023 Priorities



- Policy & Regulatory
  - Implementation of Roadmap Programs
  - Deployment pathways for long duration storage, H2 technology, V2G, and SATA
- Ecosystem Growth
  - Supply Chain Resources
  - New Energy New York
- Member Assistance and facilitation of relationships
- Education and Events

# Policy Education and Advocacy



## Energy Storage Roadmap Highlights

- Roadmap analysis finds that NY needs approximately **12 GW of energy storage by 2040** and more than **17 GW by 2050** to support a cost-effective decarbonized electric grid and would provide grid reliability and integration of renewable generation.
- The Roadmap finds that achieving **6 GW by 2030** is important to put New York on a path towards these longer-term storage levels

# Policy Education and Advocacy

## Energy Storage Roadmap Highlights

### New Programs Recommended

To reach the 6 GW deployment goal by 2030, the Roadmap assumes 1,301 MW of projects currently awarded/contracted will be completed and estimates 4,700 MW of new projects in the coming years. A Summary table is provided below:

Program	MW	Funding Mechanism Recommended	Estimated Costs (000's)
Current/in development (awarded or contracted or installed)	1,300 MW	Original Roadmap funding	
Bulk	3,000 MW	NYSERDA procurements Index Storage Credit 15 - year contract	\$474,000-1,186,000
Retail	1,500 MW	Declining Block incentives Region-Specific	\$438,000
Residential	200 MW	Declining Block incentives	\$72,000
Total	6,000 MW		\$984,000-\$1,696,000



# EDA Build Back Better Regional Challenge

*Transform economically distressed communities through substantial investment in regional growth clusters*



## ***Support Regional Growth Clusters***

Fund infrastructure, workforce, entrepreneurship, planning, and more to grow a regional industry or industries

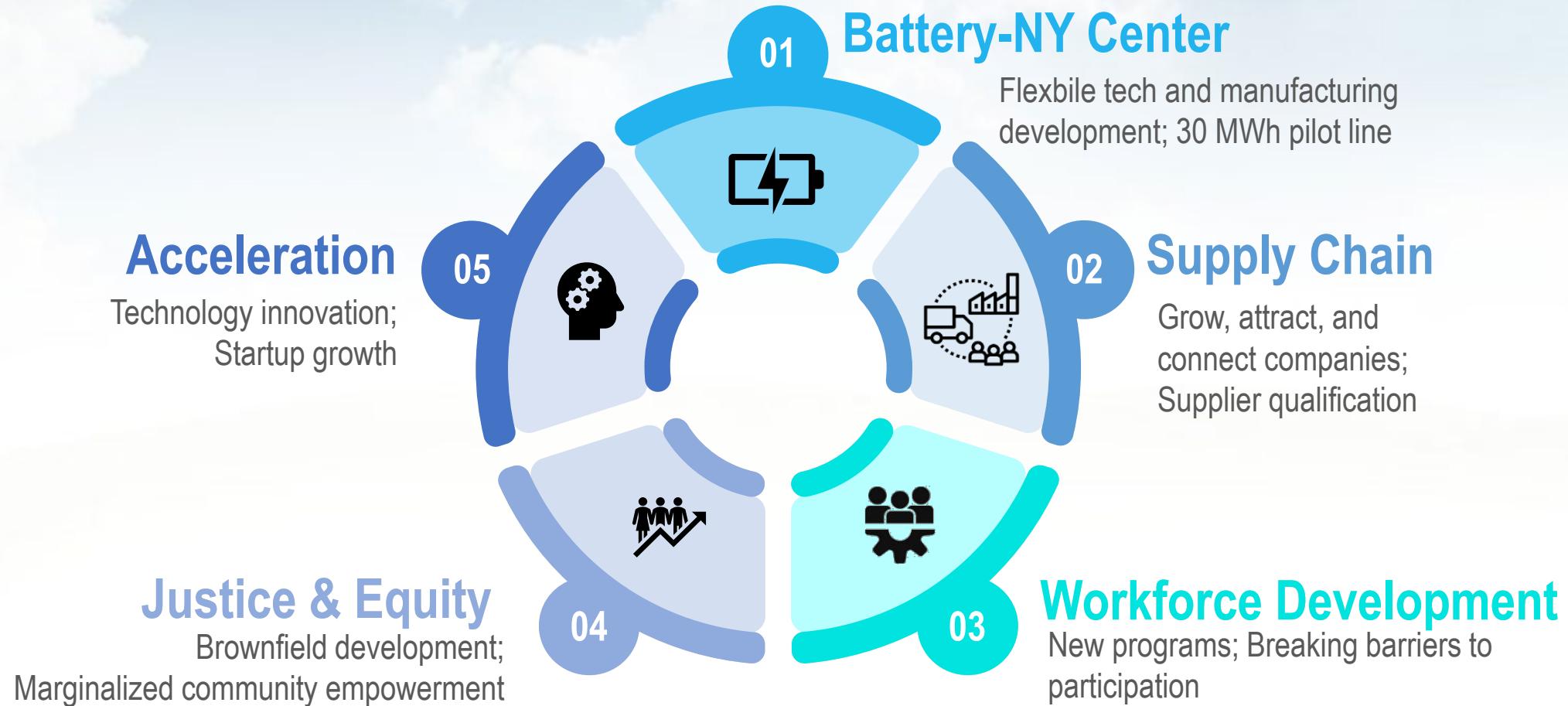
## ***Regional “Moonshot”***

Build more inclusive, dynamic regional economies for the future through innovative strategies

# New Energy New York



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# New Energy NY Coalition



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RIT

Rochester Institute  
of Technology



Empire State  
Development



BROOME COUNTY  
NEW YORK



SUNY BROOME



NYSERDA



SUNY  
CORNING  
COMMUNITY COLLEGE

THE  
CLEAN  
FIGHT  
NEW YORK  
POWERED BY OC NEW ENERGY NEXUS



Activate

SOUTHERN TIER 8



# Supply Chain Development

## UPSTREAM

- Mining and extraction of materials including lithium, cobalt, nickel, and graphite



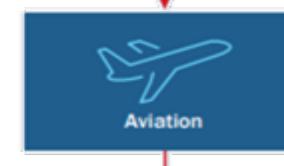
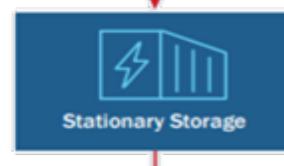
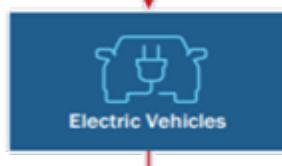
## MIDSTREAM

- Additional processing for battery-grade materials
- Cathode/anode powder production
- Separator production
- Electrolyte production
- Electrode and cell manufacturing



## DOWNTREAM

- Pack manufacturing
- End-of-life recycling and reuse



# Education and Events



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

May 16-18, 2023

Albany Capital Center, Albany, NY

## **Fall Energy Storage Innovation Conference**

October 18, 2023

Binghamton, NY