

# 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<br>Index Storage Credit<br>15 - year contract | \$474,000-1,186,000     |
| Retail  | 1,500 MW | Declining Block incentives<br>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*

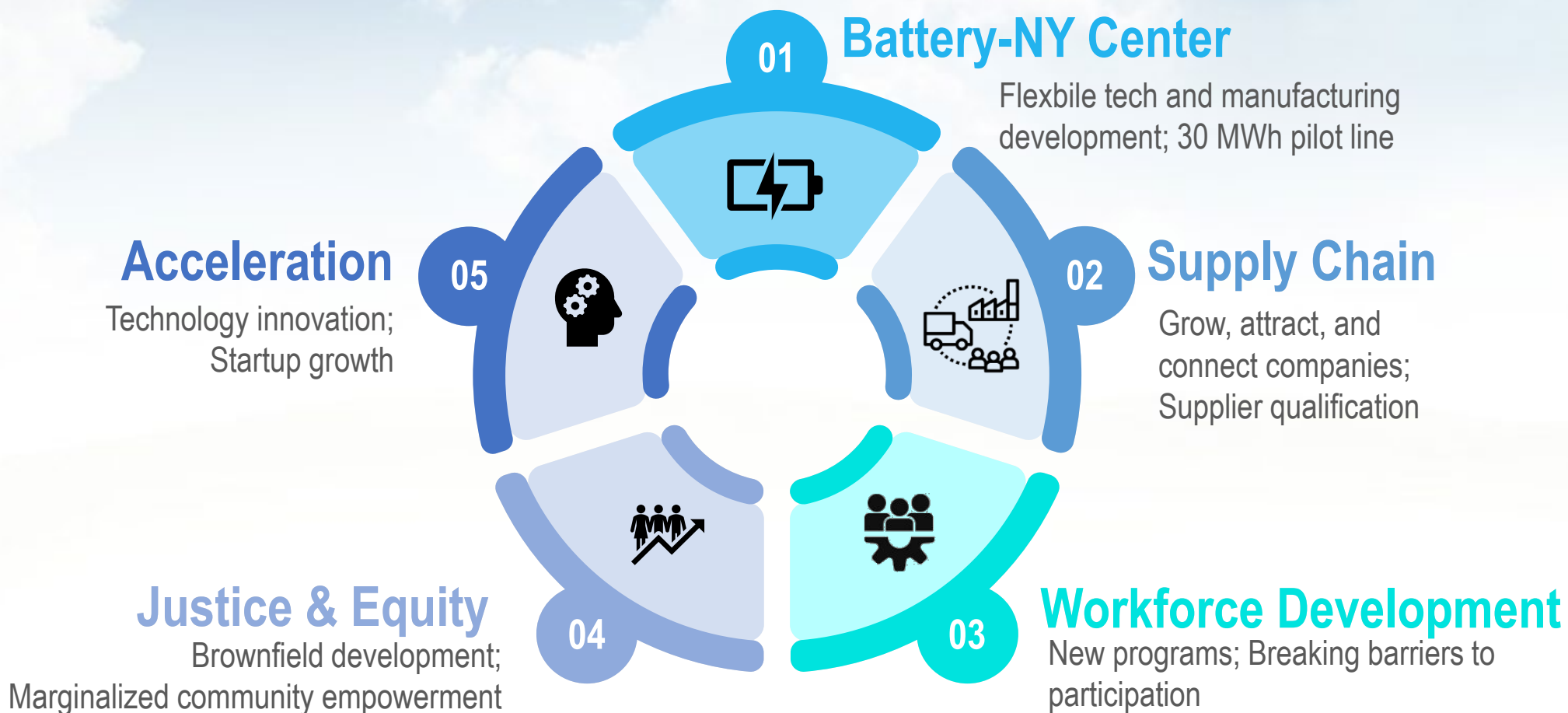
## ***Support Regional Growth Clusters***

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







# New Energy NY Coalition



Activate

SOUTHERN TIER 8



# Supply Chain Development

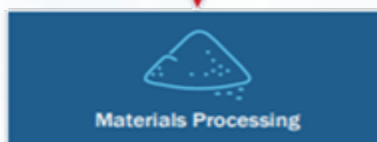
## UPSTREAM

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



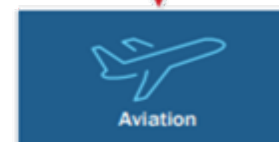
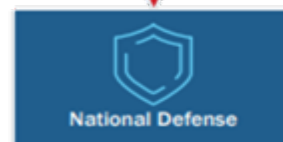
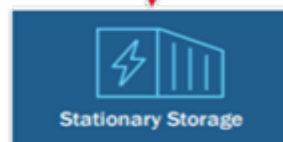
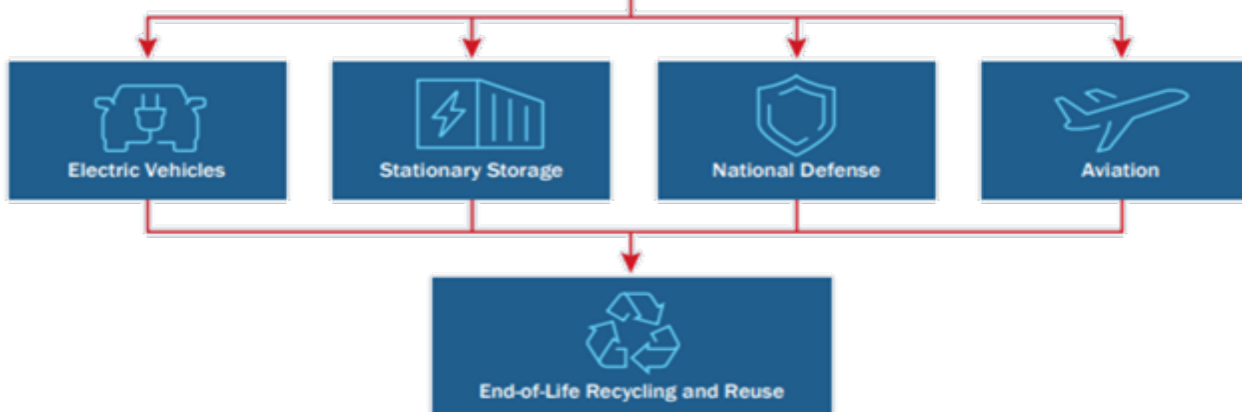
## MIDSTREAM

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



## DOWNSTREAM

- 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