



**NYSERDA**

# Department of Energy Long-Duration Energy Storage Workshop

“BIG” Energy Storage: Priorities and Pathways to Long-Duration Energy Storage

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# Climate Leadership and Community Protection Act (CLCPA) – Overview

- > Most aggressive greenhouse gas reduction goals of any major economy: 40% by 2030, 85% by 2050
- > 70% renewable energy by 2030, 100% zero-emission electricity by 2040
- > Path to carbon neutrality
- > Codifies clean energy targets
- > Commitments to environmental justice, disadvantaged communities, and just transition
- > First statutory Climate Action Council

# CLCPA by the Numbers, Targets Codified into Law

**Carbon neutral economy, mandating at least an  
85% reduction in emissions below 1990 levels**

**40% reduction in emissions by 2030**

**100% zero-emission electricity by 2040**

**70% renewable electricity by 2030**

**9,000 MW of offshore wind by 2035**

**6,000 MW of distributed solar by 2025**

**3,000 MW of energy storage by 2030**

**185 TBtu on-site energy savings by 2025**

# Energy Storage

- > Avoid CO<sub>2</sub> emissions; reduce the impact of outages; allow intermittent renewables to be available during peak demand
- > Create 30,000 jobs by 2030 in New York
- > \$400 million market acceleration bridge incentives: available for retail, bulk, standalone, and storage plus solar PV
- > \$200 million in financing has been made available from NY Green Bank for energy storage-related investments with New York Power Authority committing another \$250 million over the next five years for grid flexibility enhancements
- > Technical assistance: permitting, interconnection, customer acquisition, and financing resources



**3,000 MW**  
**of energy storage**  
**by 2030**

*Up from 1,500 megawatts by 2025*

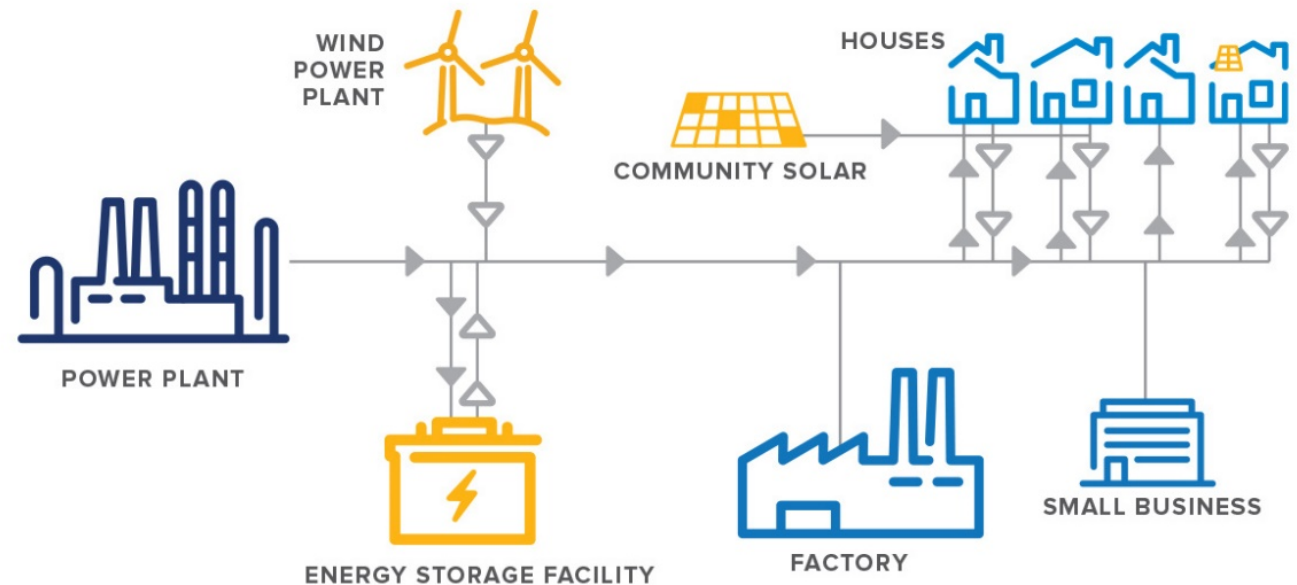
***Energy storage is critical for integrating renewable energy, reducing peak load, and increasing grid resiliency***



# Renewable and Energy Storage Innovation

**Energy Storage  
Technology and Product  
Development**

**Renewable and  
Distributed Energy  
Resources Innovation**



# Thank You