



FLATIRONenergy

BESS Project Introduction: Town of New Milford

December 2, 2025

Confidential & Proprietary



Project Team

Team of local and regional professionals advancing storage development efforts



Charlie McGovern

Director of Development



Chris Groves

Director of Fire Protection & Safety



Sarah Salem

Director of Environmental Justice &
Community Investment

Our Vision

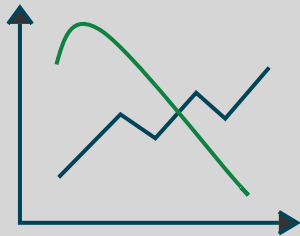
Building the clean energy infrastructure for our future

The Problem

Increasing
Volatility



Decreasing
Reliability



The Solution

Reliable Energy,
Where It's Needed.



Our Mission

Reduce emissions that contribute to climate change and environmental injustice through the development of large-scale urban energy storage projects.



Experienced Team

Community-first development philosophy

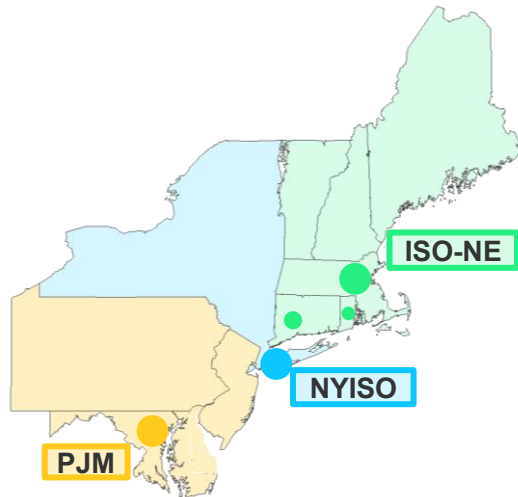
US-based company, strategic focus in Northeast

Proven team successes with strong positive regional impact

- 200-MW project under construction in Uxbridge, MA
- Track record of building over 20 operational energy storage projects
- Developed projects now operating safely / incident-free

Deep understanding of energy storage complexity

- Designed and built projects up to 1 GWh / 500 kV across multiple regions
- Deployed >\$40 billion of capital for development, construction, and operations



State Initiative, Local Benefits

Project benefits to New Milford

1. Economic

- New tax revenue and potential for tax stabilization agreement
- Increased tax base for rate payers
- Avoidance of network upgrade cost sharing, i.e., project pays all costs to interconnect to the grid
- Creation of temporary jobs and boost to local businesses during construction period
- Can tailor local partnerships to meet unique community needs

2. **Resiliency** – Lower the likelihood of blackouts and brownouts by lessening strain on local distribution system during times of high demand

3. **Environmental** – Enables greater renewable energy grid penetration, zero emission use relative to expensive carbon-based capacity technologies (natural gas Peaker plants)

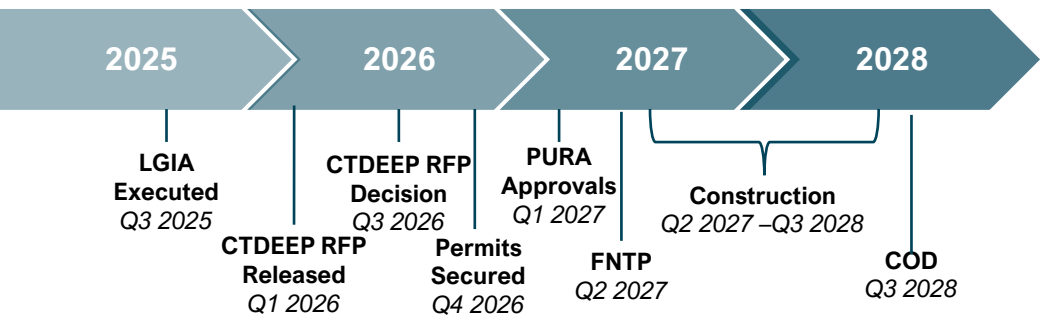
4. **Education** – Opportunities for school programs, scholarships, trainings

Project Overview

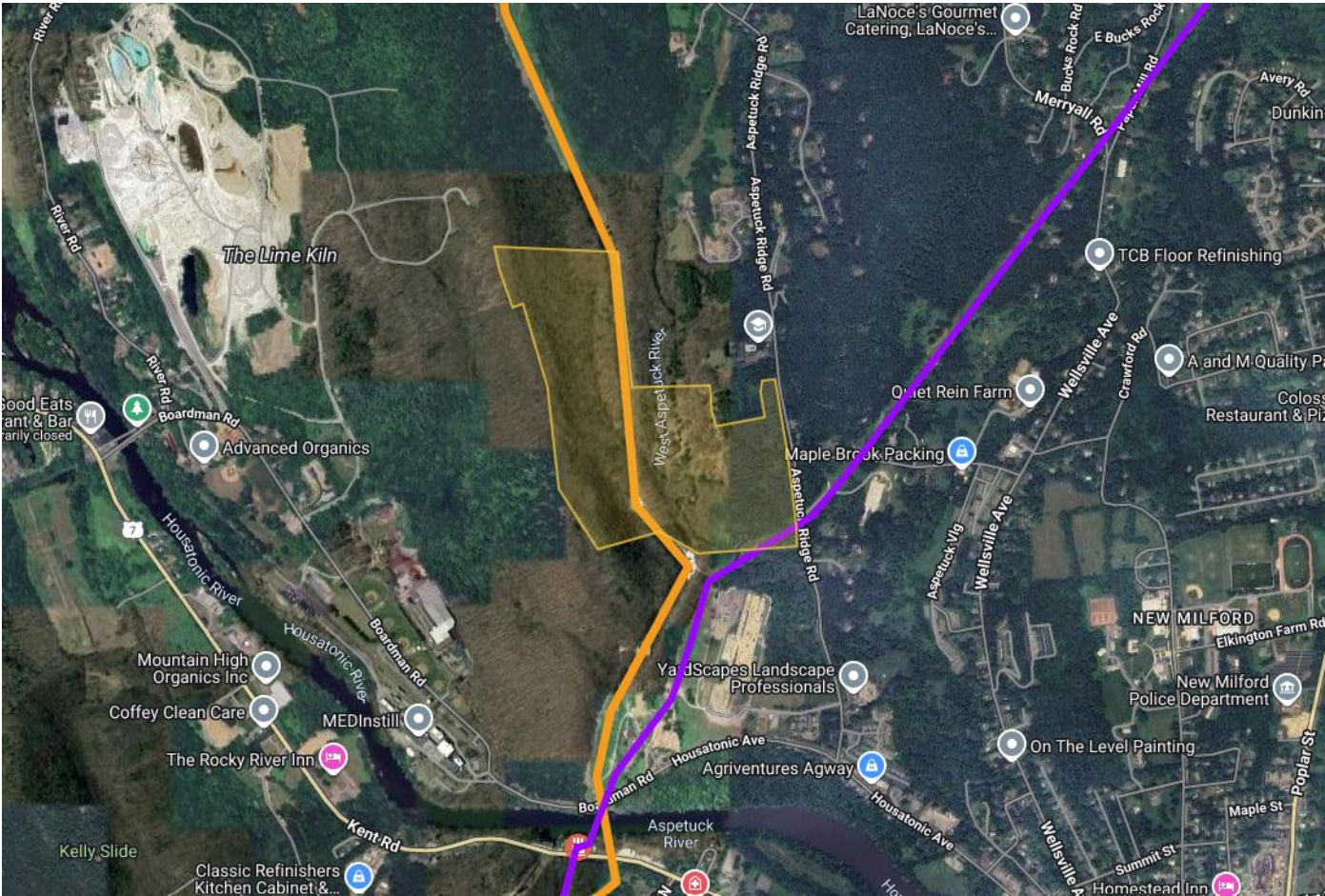
Project Overview

Location	New Milford, CT 2 Timothy Lane
Size	140 MW 560 MWh
FNTP COD	Q2 2027 Q3 2028
Technology	BESS Cell: Lithium Iron Phosphate (LFP) BESS Modules: Tesla, SK, or Hithium BESS Inverter: Tesla, EPC Power, or SMA
IX Type	Line tap onto Eversource’s existing 115 kV Transmission line on site
Site Characteristics	• ~10-acre development footprint • Site control of 102 acres total • Zoned R-40 (Residential 40) • Design avoids environmental constraints

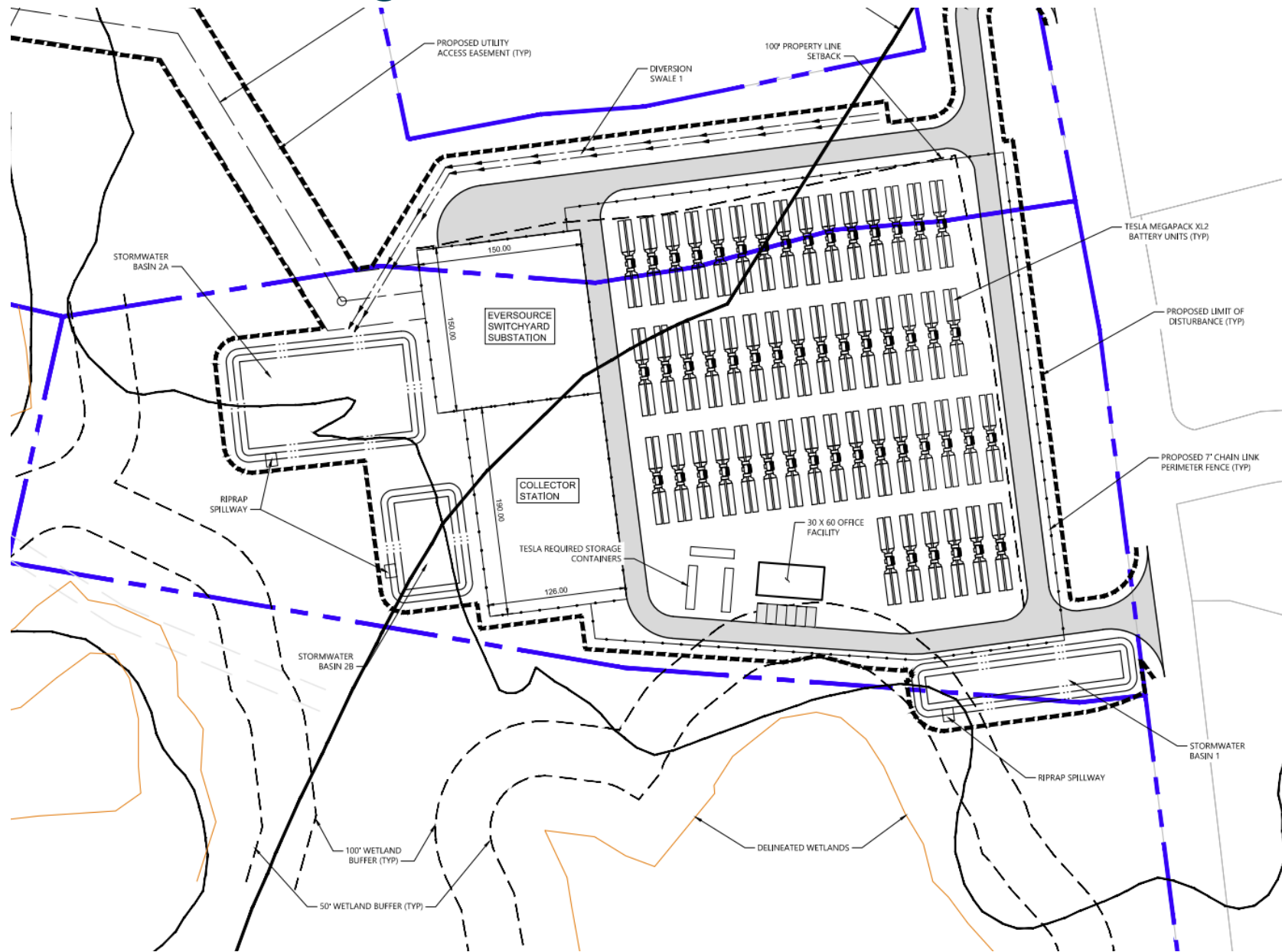
Project Timeline



Project Location and Interconnection



Proposed Site Layout



Safety as a Core Value

• Layer of Protection Throughout the BESS Lifecycle



PRODUCT DESIGN & MANUFACTURING

TESTING & CERTIFICATIONS

- UL 9540A Large-Scale Fire Testing
- UL 9540 Certification for ESS
- UL 1973 Certification for Batteries
- UL 1741 Certification for Inverters

FIRE PROTECTION FEATURES

- Battery Management System (BMS) 24/7
- Thermal management systems
- Explosion protection (exhaust ventilation, deflagration vent panels, or engineered system)
- Heat, smoke, gas, or flame detection
- Electrical fault protections
- NFPA 72 Fire Alarm Systems

RESEARCH & DEVELOPMENT

- Fire and deflagration protection analyses
- Failure Modes and Effects Analysis (FMEA)

QUALITY ASSURANCE

- Third-party safety design review
- Manufacturing QA



PROJECT DEVELOPMENT & APPROVALS

LOCAL CODES & STANDARDS

- 2022 Connecticut State Building Code
 - International Building Code (IBC), 2021 Edition
 - NFPA 70 National Electrical Code (NEC), 2020
 - International Mechanical Code (IMC), 2021
 - NFPA 1 Fire Code, 2021 Edition

SAFE FACILITY DESIGN & SITING

- Safe distance from nearby exposures
- Proper Fire Department access
- Water supply

SITE-SPECIFIC SAFETY REVIEW

- Hazard Mitigation Analysis (HMA)
- Emergency Response Plans (ERP)

REVIEW & APPROVALS

- Permitting review and approval by the project governing entities



TRAINING, OPERATIONS & MAINTENANCE

ESS SAFETY TRAINING

- Fire Department training and outreach
 - Continued for the life of the battery
- AHJs, utilities, and other project stakeholders

EMERGENCY RESPONSE

- Site-specific Emergency Response Plan (ERP)
- 24/7 Emergency Response Services / Subject Matter Experts (SMEs)
- Incident Management and coordination between FD and SME

COMMISSIONING & DECOMMISSIONING

- Proper inspection and commissioning procedures
- Proper decommissioning plan for safe removal of retired or damaged equipment

Stay Connected

Upcoming Events:

- **January 2026:** Flatiron Energy Community Giving Program Launch
- **Early 2026:** Open House (date/time/location TBD)

Charlie McGovern: Director of Development
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Chris Groves: Director of Fire Protection & Safety
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Sarah Salem: Director of Environmental Justice & Community Investment
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Join our contact list



Questions? Contact us at treebeard@flatiron.energy

Questions?

The background is a solid dark teal color. It features several large, overlapping, rounded rectangular shapes in a lighter shade of teal, creating a sense of depth and movement. These shapes are oriented diagonally, running from the bottom-left towards the top-right. The overall aesthetic is modern and minimalist.