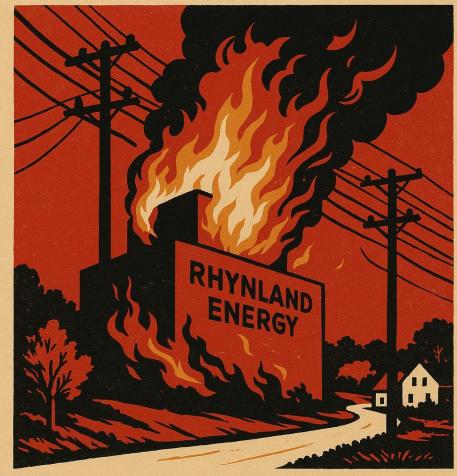
## Oakham Citizens Against BESS

Developed by Aaron Langlois, Barbara Piucci and Kathleen Dunn

May 1, 2025

7:00-8:30PM

Oakham Center School Cafeteria



NO BATTERY STORAGE IN OAKHAM, MA





#### Welcome and Purpose

Inform - Inform residents about BESS Empower - Empower Oakham to protect its future Act - Share concerns and organize action

**Protecting Oakham's Future • Standing Together** 

**OAKHAM CITIZENS AGAINST BESS** 

## RESIDENT MEETING

May 1, 2025 • 7:00-8:30PM Oakham Center School Cafeteria

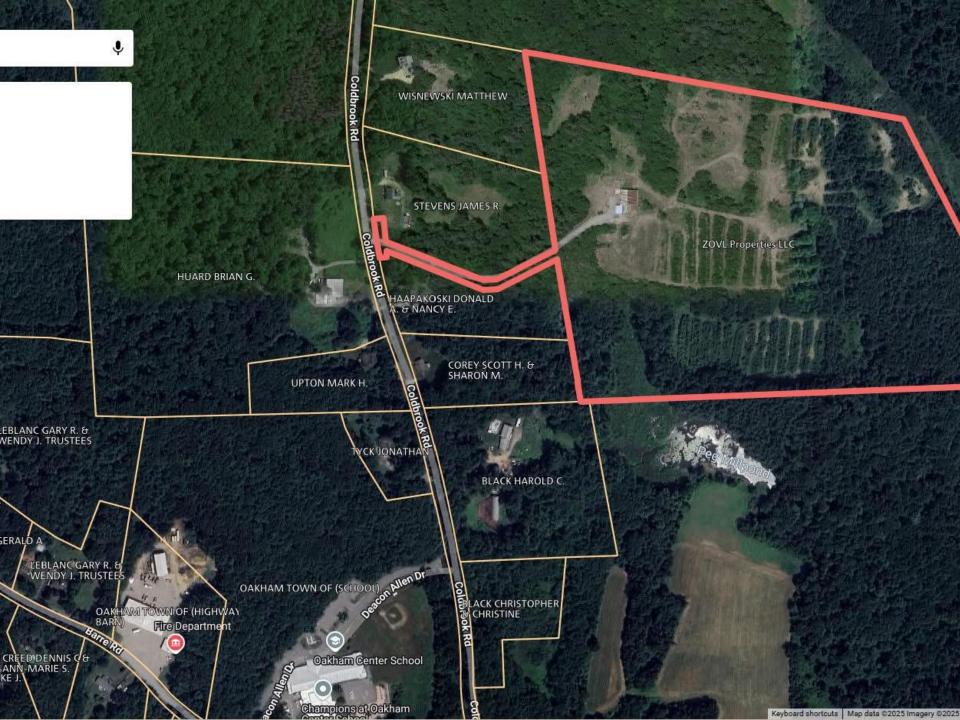
#### **AGENDA HIGHLIGHTS:**

- Welcome and Purpose
- Understanding BESS and the Oakham Project
- Health, Safety, Environmental, and Financial Concerns
- What Citizens Have Done So Far
- How You Can Help: Taskforces and Action Steps
- Open Resident Q&A
- · Wrap-Up and Next Steps

LET'S STAND TOGETHER TO PROTECT OAKHAM!

# This is what we want people to think of Oakham, MA







#### Instructions

Go to

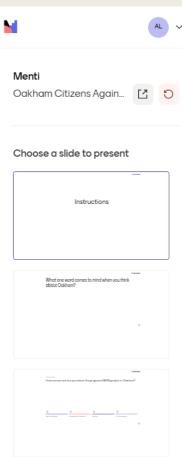
#### www.menti.com

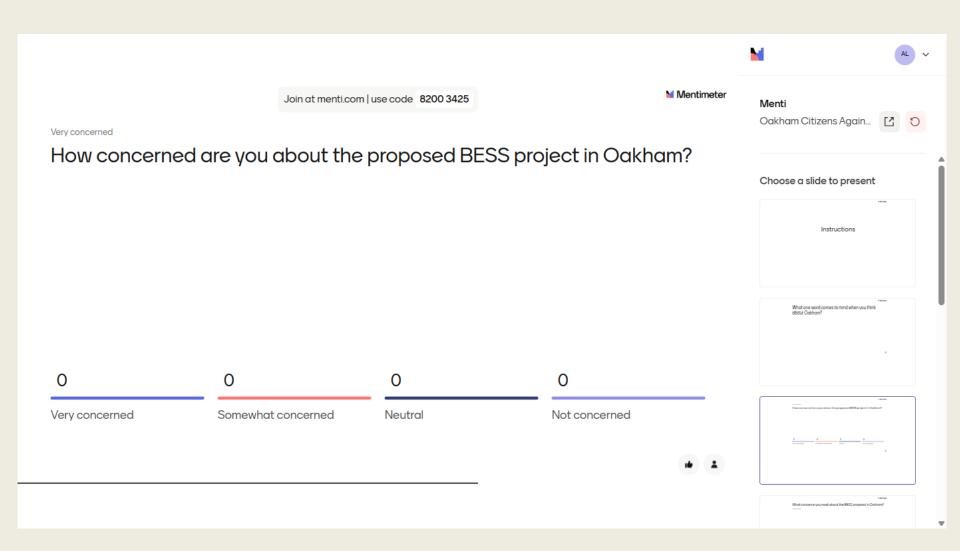
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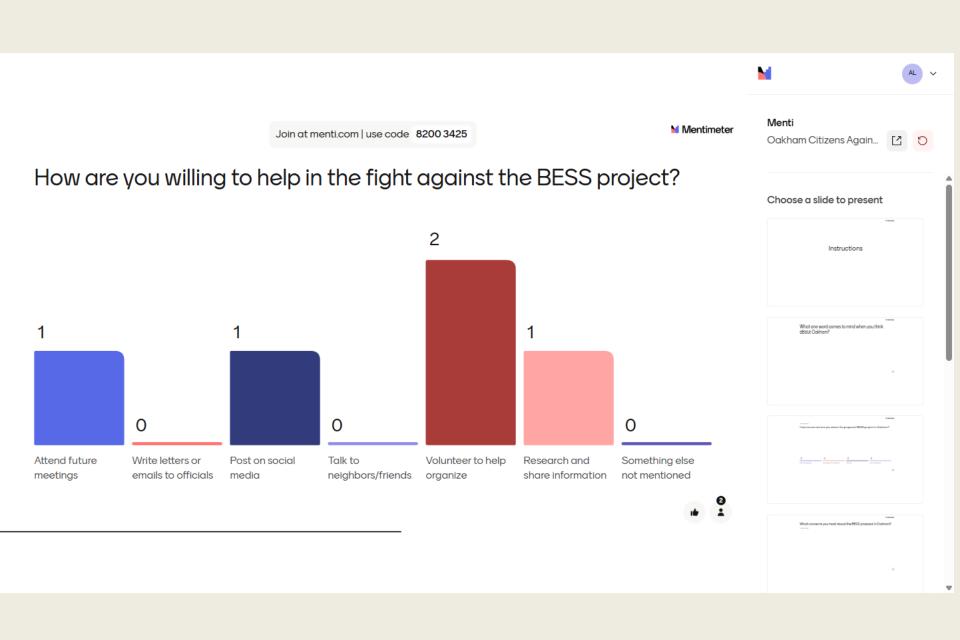
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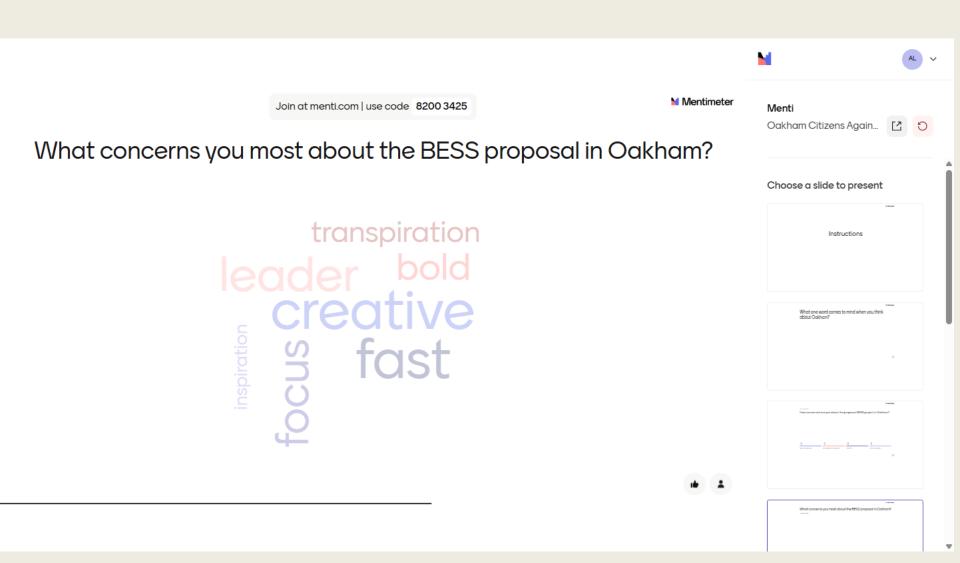


Or use QR code











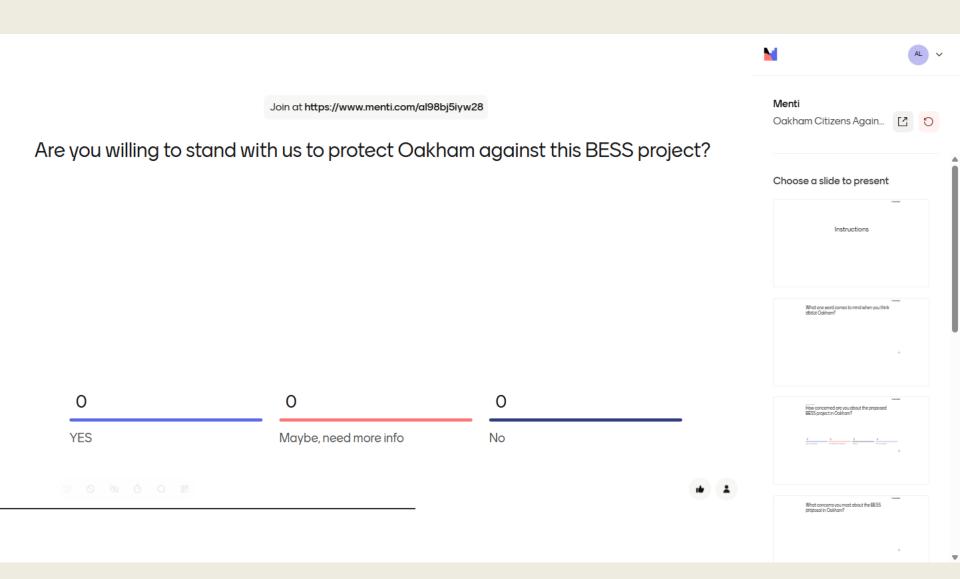


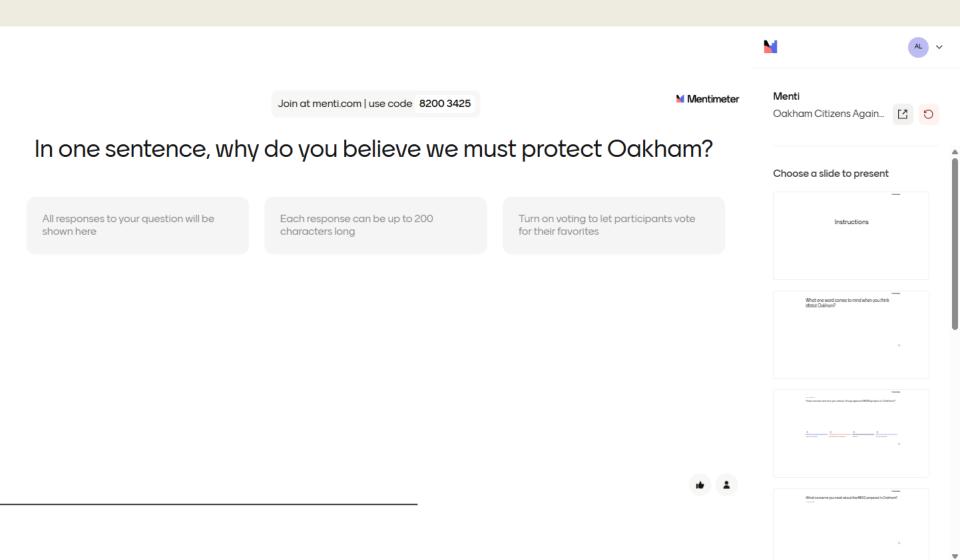
#### What are the top priorities we must protect in Oakham?

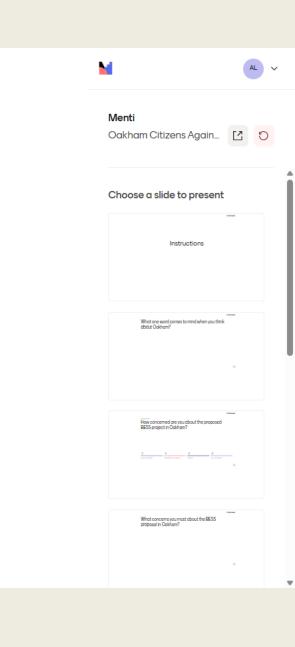




Mentimeter







#### **Understanding BESS**



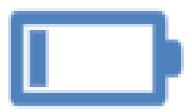
- What is a Battery Energy Storage System (BESS)?



Overview of theOakham project proposal



- State mandates and the EFSB process



 What is a Battery Energy Storage System (BESS)?

# Battery Energy Storage Systems (BESS)

Understanding the Basics and Importance

# What is a Battery Energy Storage System (BESS)?

- A BESS stores electrical energy for later use.
- Uses rechargeable batteries often lithium-ion, but can include other chemistries (e.g., flow batteries, lead-acid).
- Acts as a buffer between energy supply and demand.
- Helps improve energy reliability and resilience.

#### **How Does BESS Work?**

- Electricity is stored during periods of low demand or high renewable output (e.g., solar, wind). \* NOT COLDBROOK ROAD PROPOSAL \*
- Stored energy is discharged when demand is high or renewable production falls.
- Managed using a Battery Management System (BMS) that ensures safety, efficiency, and performance.

## Why is BESS Important?

- Supports grid reliability and reduces outages.
- Enables greater use of renewable energy sources.
- Helps balance supply and demand fluctuations.
- Provides backup power in emergencies.
- Supports decarbonization efforts by storing clean energy.

# What are the Components of BESS?

- Battery Cells and Modules
- Battery Management System (BMS)
- Inverter/Converter Systems
- Thermal Management System (cooling and fire suppression)
- Monitoring and Control Systems



 Overview of the Oakham project proposal

## Oakham Battery Project Overview

- Developer: Moraga Storage LLC
- Project: 180 MW Battery Energy Storage System (BESS)
- Location: 358 Coldbrook Street, Oakham, MA
- Filing: April 1, 2025, with EFSB seeking zoning exemptions
- Purpose: Grid stability, renewable integration, energy resilience

#### Key Details and Environmental Considerations

- Filing includes project description, need analysis, alternatives assessment, environmental impact.
- Environmental studies and Environmental Justice (EJ) review completed.
- Compliance with the Global Warming Solutions Act (GWSA).
- Public outreach events including an Open House.

#### **Current Status and Contacts**

- Project currently under EFSB review.
- Official records available via DPU File room.

https://www.mass.gov/info-details/oakham-battery-project#project-information-

#### **Contact:**

Massachusetts DPU Siting Division

Phone: (617) 305-3525

1 South Station, 3rd Floor, Boston, MA 02110



 State mandates and the EFSB process

# Battery Energy Storage Systems (BESS) in Massachusetts

State Mandates and Energy Facilities Siting Board (EFSB) Process Overview

#### Massachusetts State Mandates for Energy Storage

- 1,000 MWh Target by 2025 (Act to Advance Clean Energy)
- 5,000 MW Procurement by 2030 (2024 Clean Energy Act)
  - 3,500 MW mid-duration storage
  - 750 MW long-duration storage
  - 750 MW multi-day storage

#### **EFSB Process for BESS Projects**

- Jurisdiction over large energy facilities
- Must demonstrate:
  - Reliable energy supply
  - Minimal environmental impact
  - Lowest possible cost
- Oversees consolidated permitting process

## Consolidated Permitting Highlights

- Large Projects (≥100 MWh):
  - Single consolidated permit
  - 15-month EFSB deadline
- Small Projects (<100 MWh):
  - Local consolidated permitting option
  - 12-month local deadline

## **Enhanced Public Participation**

- Office of Public Participation created within EFSB
- Intervenor Support Fund established
- Increased focus on Environmental Justice (EJ) communities

#### Progress and Outlook

- 569 MWh installed as of February 2024
- 8,806 MWh in development pipeline
- Continued incentives and policy support for energy storage expansion

## Table 10-1: Project Outreach Meetings Summary – Pages 45-46 Rhynland Petition

Date	Group(s) / Local Officials	Topic
12/01/2022	Chairman of Oakham Planning Board	Formal introductory email about the Project and Moraga Energy Storage, LLC.
01/13/2023	Chairman of Oakham Planning Board	Presentation on the Project to Chairman Warbasse.
1/18/2023 – 2/7/2023	Chairman of Oakham Planning Board	Follow-up email correspondence regarding the Project and zoning bylaws.
9/17/2024 (with additional follow-up on 9/30/2024)	Chairman of Oakham Planning Board	Update email about intent to develop the Project in Oakham.
10/29/2024	Oakham Fire Department	Introduction to the Project and Moraga Energy Storage, LLC.

# Table 10-1: Project Outreach Meetings Summary – Pages 45-46 Rhynland Petition (continued)

Date	Group(s) / Local Officials	Topic
2/28/2025	Oakham Fire Department	Copies of 2/25/25 fire safety presentation and NFPA code provisions sent to Fire Department.
3/19/2025	Public (Neighbors within 0.5 miles, including Town Hall)	Invitations mailed for an open house about the Project.
3/27/2025	Public Open House at Woods Memorial Library, Barre, MA	Open house hosted from 4–7 PM; 150 attendees.
3/19/2025	Public Website	Project website published: <a href="https://www.moragaenerg">https://www.moragaenerg</a> <a href="ystorage.com/">ystorage.com/</a>

# Massachusetts BESS Approval Process (EFSB)

#### → Procedural Phase

- Notify public, abutters, municipalities
- Hold Public Hearing and Site Visit
- Request Intervenor or Limited Participant status
- Set formal case schedule

#### → Evidentiary Phase

- File project details and expert testimony
- Conduct Discovery (questions, documents)
- Hold Evidentiary Hearings

#### → Decision Phase

- Submit Post-Hearing Briefs
- Tentative Decision and Public Comments
- Final Board Vote and Issuance of Decision

#### → Additional Notes

- Zoning Exemption possible
- Consolidated Permitting starts mid-2026 (Oakham Wiring & Building Inspector, OFD
- Public input critical to outcome

## Key Concerns for Oakham



- Health and Safety Risks



- Environmental and Land Impacts



- Financial and Liability Risks



- Loss of Local Control

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# Battery Energy Storage Systems (BESS)

Health, Safety, Environmental, and Financial Concerns Overview

## Health and Safety Concerns

- Thermal runaway leading to fires or explosions
- Toxic fume exposure during fire events
- Emergency response challenges
- High-voltage electrocution risks
- Need for specialized firefighter training and equipment

#### **Environmental Concerns**

- Groundwater contamination from battery leaks
- Air pollution from battery fires
- Noise pollution from cooling and inverter systems
- Land use impacts and habitat disruption
- Limited recycling infrastructure for batteries

#### **Financial Concerns**

- High insurance and liability costs
- Costly fire damage and property loss
- Ongoing maintenance and monitoring expenses
- Decommissioning and battery disposal costs
- Potential burden on municipal emergency services

# Local Control Concerns Over BESS Siting in Massachusetts

Impact of 2024 Clean Energy Act and EFSB Consolidated Permitting

## **Erosion of Local Authority**

- EFSB can issue a single comprehensive permit.
- Local zoning and permitting processes may be overridden.
- Municipalities worry about diminished land-use autonomy.

# Community Engagement and Environmental Justice

- Centralized decision-making may overlook specific community concerns.
- Public health, safety, and environmental justice risks.
- Example: Westfield BESS project controversy over Barnes Aquifer.

## Limitations on Municipal Moratoria

- Towns attempted to impose moratoria to study BESS impacts.
- Attorney General disapproved several moratoria, citing conflict with clean energy mandates. \*OAKHAM BYLAW LONG APPROVED\*
- Increased frustration among local governments. \*OR THE TOWNSPEOPLE

#### Seeking a Balanced Approach

- Municipalities advocating for preservation of local input. \*OR THE TOWNSPEOPLE
- Calls for siting processes that better incorporate community voices.
- Goal: Balance clean energy goals with local rights and protections.

## **Local Control vs State Control**

## **Local Control**

- Zoning Bylaws
- Community-Specific Risks
- Direct Resident Input

## State Control (EFSB)

- Streamlined Permitting
- Climate Goals Priority
- Override Local Rules



#### WWLP

https://www.wwlp.com > local-news > hampden-county

## Jupiter Power lithium battery project in Westfield canceled ...

2 days ago — A developer for the proposed lithium battery energy storage facility in Westfield has decided to pull back on the project.

Missing: defeats | Show results with: defeats



#### City of Westfield, MA

https://www.cityofwestfield.org > CivicAlerts

## News Flash • Jupiter Power withdraws its proposal for a Batt ❷

City of Westfield. Posted on: April 25, 2025. Jupiter Power withdraws its proposal for a Battery Energy Storage System Site in Westfield.

Missing: defeats | Show results with: defeats



#### Yahoo

https://www.yahoo.com > news > jupiter-power-lithium...

### Jupiter Power lithium battery project in Westfield canceled ...

2 days ago — A developer for the proposed lithium battery energy storage facility in Westfield has decided to pull back on the project.



#### Western Mass News

https://www.westernmassnews.com > 2025/04/25 > plan...

## Plans cancelled for lithium battery storage facility in Westfield @

2 days ago — Westfield Mayor Mike McCabe announced on Friday that plans for a lithium battery energy storage facility in the city have been cancelled.

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#### WWL

https://www.wwlp.com > video > jupiter-power-lithium-...

## Jupiter Power lithium battery project in Westfield canceled ... 🥥

2 days ago — ... battery energy storage facility in Westfield has decided to pull back on the project. Jupiter Power lithium battery project in Westfield ...



#### Massl ive

https://www.masslive.com > news > 2025/03 > as-the-gri...

### As the grid goes green and electrifies, residents fret over ... ②

Mar 23 2025 — "NO Lithium Battery Storage Over Our Aquifer" say the hundreds of signs that Dan Allie a

## They can be beat!!

Westfield, MA



https://www.wwlp.com > local-news > hampden-county

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#### MassLive

https://www.masslive.com > news > 2025/03 > as-the-gri...

## As the grid goes green and electrifies, residents fret over ...

Mar 23, 2025 — "NO Lithium Battery Storage Over Our Aquifer" say the hundreds of signs that Dan Allie, a

# Westfield's Successful Opposition to BESS Project

 Community activism, municipal leadership, and regulatory engagement helped Westfield defeat a proposed Battery Energy Storage System (BESS) project.

## **Key Factors Behind Success**

- Strong community mobilization (WRAFT advocacy)
- Proactive municipal leadership (Mayor McCabe, City Council)
- Regulatory engagement (Intervenor status with DPU)
- Proposed zoning amendments restricting BESS \* OAKHAM ALREADY HAS \*
- Highlighting health and environmental risks (Barnes Aquifer, fire hazards)
- \* Is there anything more protected than DCR LAND???? Boston Water Supply!

## Outcome and Lessons Learned

- Jupiter Power withdrew BESS proposal (April 25, 2025)
- Community engagement and zoning protections were critical.

## Lessons:

- Mobilize residents early Townspeople started the day the post card arrived!
- Pass protective local ordinances Should we be doing any more? Noise?
- Seek intervenor status in regulatory proceedings Status of town counsel?
- Emphasize public health and safety concerns

# Current BESS Zoning Exemption Requests

Docket Number	Applicant	Project	Location	Request
EFSB 25-08	Hillman Energy Center, LLC	125 MW BESS + Transmission Lines	Tewksbury, MA	Exemption from Tewksbury Bylaw
EFSB 25-07	Moraga Storage LLC	180 MW BESS	Oakham, MA	Exemption from Oakham Bylaw
EFSB 25-06	Eversource (NSTAR Electric)	Substation Expansion	Dartmouth, MA	Exemption from Dartmouth Bylaw
EFSB 25-05	Trimount ESS LLC	700 MW / 2,800 MWh BESS + Lines	Everett, MA	Exemption from Everett Bylaw
EFSB 25-04	Westfield ESS LLC	BESS + Transmission Lines	Westfield, MA	Exemption from Westfield Ordinance

https://www.mass.gov/info-details/efsb-and-dpu-siting-open-dockets

## What Citizens Have Done So Far

- PUBLIC AWARENESS NO BATTERY TONS OF
RESEARCH, SAVED
FILES, USED SOCIAL
MEDIA PAGE

- CITIZEN PETITIONS

COMMUNICATIONS
WITH TOWN
BOARDS

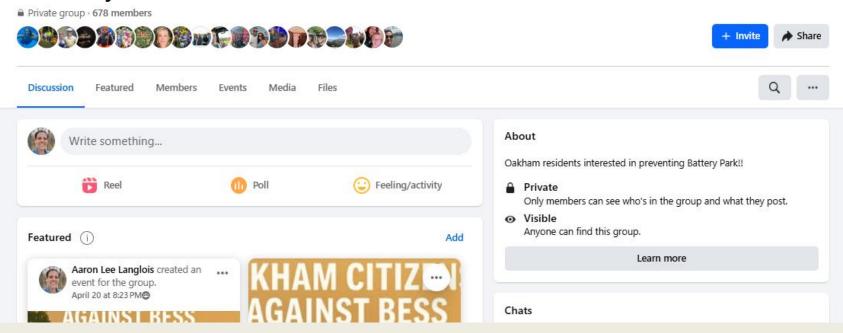
- OUTREACH TO STATE-LEVEL OFFICIALS

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# NO BATTERY PARK IN OAKHAM



## No Battery Park in Oakham



## No Battery Park Facebook Group Membership and Engagement Summary

Tracking from February 26 to April 26, 2025

## Key Highlights

 Membership grew from 502 to 677 members (+175).

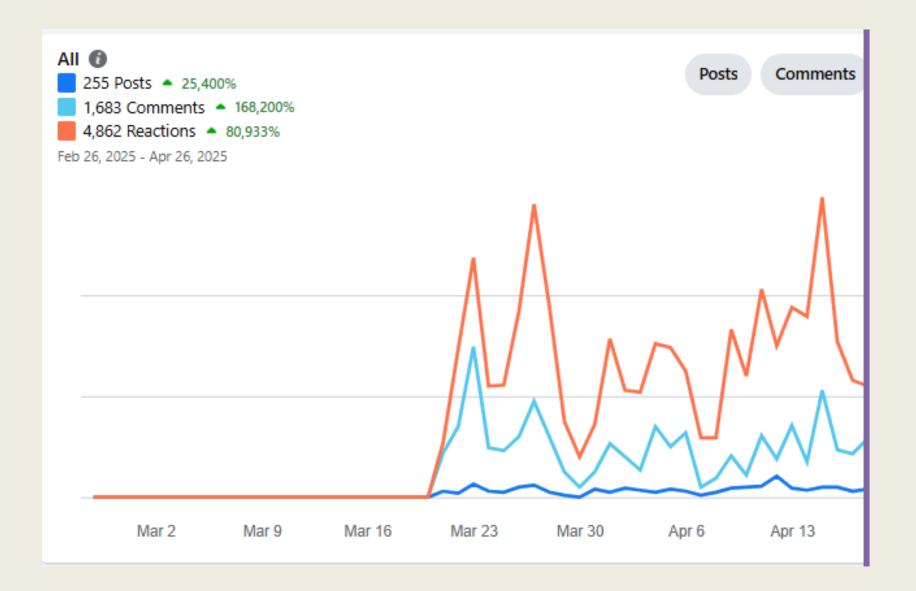
 Active members peaked at 470 on April 23, 2025.

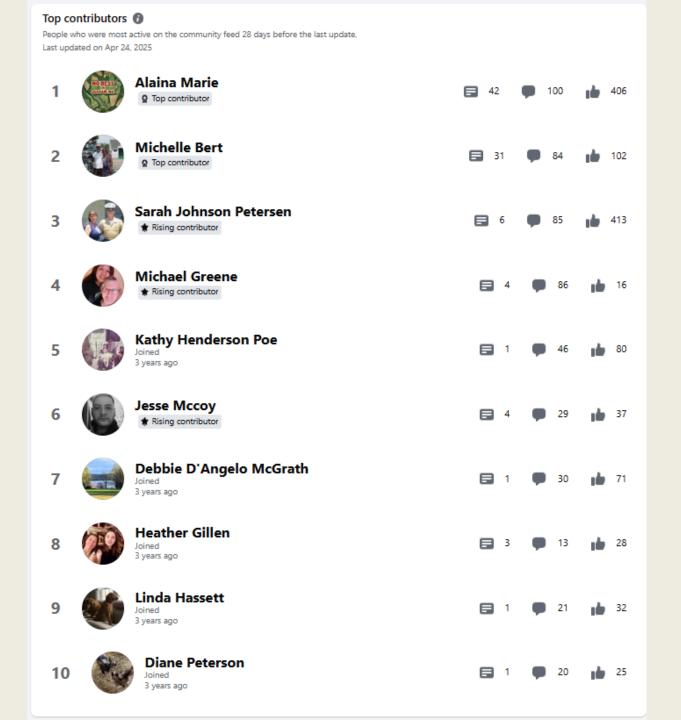
• Significant engagement growth started March 21, 2025.

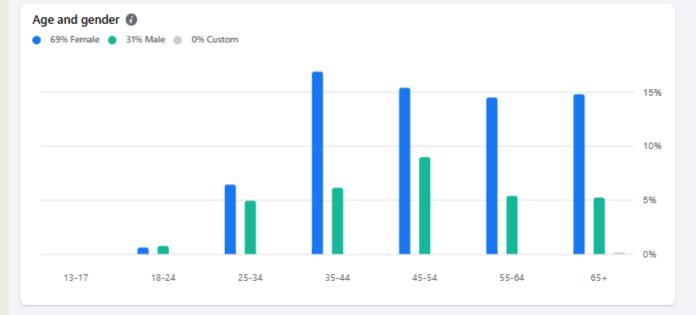
 Engagement was steady during April with notable peaks.

## Membership Growth





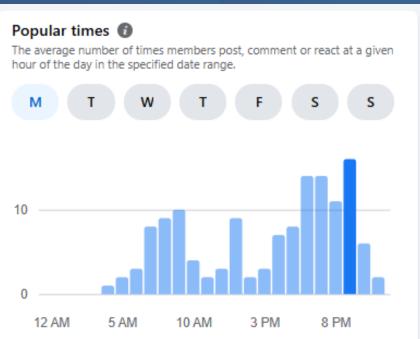


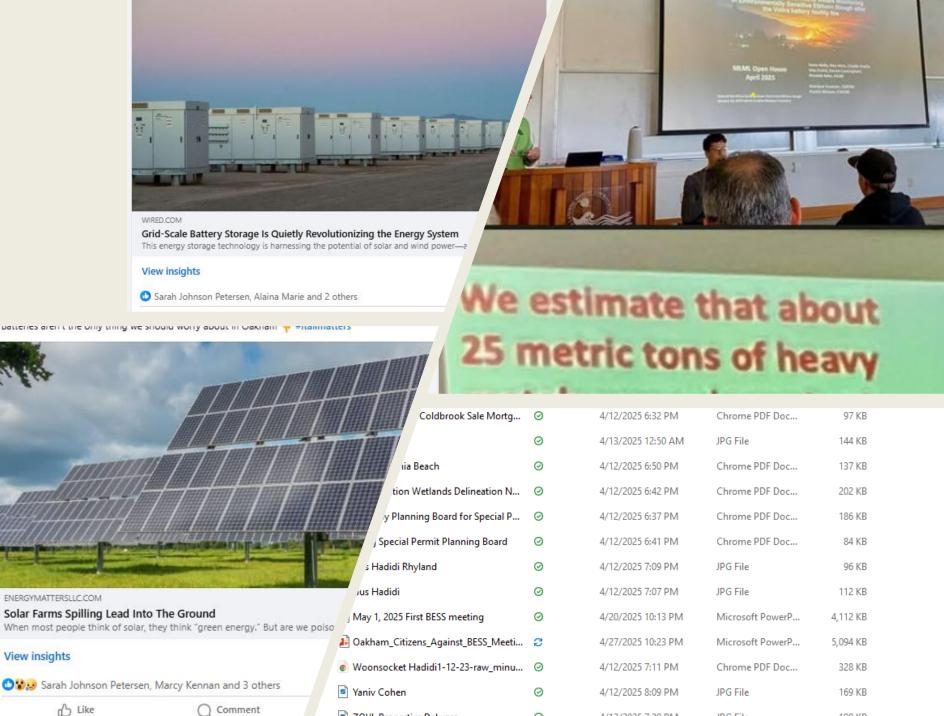


Top countries		
United States		674
Philippines		1
	See all	

Top cities	
Oakham, MA	318
Worcester, MA	62
Rutland, MA	40
Barre, MA	38
Holden, MA	22
Spencer, MA	16
Hardwick, MA	14
New Braintree, MA	13
North Brookfield, MA	10
Hubbardston, MA	10
See less	







4/12/2025 7:20 PM

IPG File

190 KR

70VI Properties Delware



- Alaina started a crowd source online petition which to date has 566 signatures
- Michelle Bertrand has led the paper petition along with other assistance from residents and businesses. Total number of signatures \_\_\_\_\_\_?



## COMMUNICATIONS WITH TOWN BOARDS

- Public records requests from multiple boards and departments made on 4/15/2025 related to auto salvage hazardous material decommissioning. As of 4.27.25 – Received response from Conservation Commission and Fire Department.
- Over 20 residents attended meeting of the Oakham Planning Board on 4/16/2025.
- Request of Oakham Board of Selectmen to make a formal vote of opposition and send letter to the Governor opposing the attempt to bypass local zoning control.
   Board of Selectmen offered to have me come present, and when I declined, stating it was self-explanatory, it was not placed on the agenda for 4/28/25
   Agenda by Chair.



## - OUTREACH TO STATE-LEVEL OFFICIALS

- Multiple emails, texts, and phone calls to Representative Berthiaume, Senator Durant, Governor Healey's office, EFSB Siting Board Public Comments, DEP, DCR Watershed
- Sent a letter to Lieutenant Governor Driscoll, her chief of staff, Senator Durant, Representative Berthiaume and Director of Rural Affairs Anne Gobi. Awaiting a meeting to be scheduled by her office.

## How You Can Help

Join - Join a Taskforce Attend - Attend meetings Contact - Contact officials Share - Share information with neighbors

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## Organizing Taskforces

- Research and Information
- Fundraising Efforts
- Communications and Outreach
- Government Relations
- Petition and Citizen Action
- Emergency Planning and Safety
- Legal and Policy Review

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## Open Resident Q&A





- QUESTIONS

- IDEAS

## Wrap-Up and Next Steps







- KEY ACTION REMINDERS

- UPCOMING IMPORTANT DATES

- STAYING CONNECTED



# **Worst Case** Scenario &

Massachusetts towns hosting Battery Energy Storage Systems (BESS) often enter into Payment in Lieu of Taxes (PILOT) agreements with developers. These agreements provide municipalities with predictable revenue streams, especially since BESS installations may qualify for property tax exemptions under state law.Mass.gov+1Town of Gill, MA+1

## Examples of BESS PILOT Agreements in Massachusetts

## Chelsea – Flatiron Energy

- Project: 250 MW BESS facility on a 3.7-acre site at 284 Eastern Avenue.
- PILOT Terms: 20-year agreement totaling just over \$31 million.
- Additional Benefits: Flatiron Energy agreed to provide \$584,000 annually for workforce development as part of a separate host community agreement. chelsearecord.com Medway – Medway Grid, LLC
- **Project**: 250 MW / 500 MWh BESS on approximately 10.6 acres along Milford Street.
- **PILOT Terms**: Specific financial details are outlined in the agreement, ensuring consistent payments over the project's lifespan. Medway Archive

## Framingham – Solect Energy Development, LLC

- **Project**: BESS installations at municipal sites, including Fuller Middle School and Brophy Elementary School.
- PILOT Terms: Agreements for terms not to exceed 25 years, encompassing PILOT payments, power purchase agreements, and shared savings arrangements. <a href="Framingham">Framingham</a> MA

## Gill – Kearsarge Gill, LLC

- Project: 2.7 MW solar photovoltaic facility with associated energy storage components.
- **PILOT Terms**: 20-year agreement with an initial annual payment of \$16,489.81, subject to a 2.5% annual escalator. Town of Gill, MA

## **Amherst**

 Policy: The town's zoning bylaw requires that if a BESS project is exempt from property taxes, the developer must enter into a PILOT agreement to provide equivalent tax revenue. Amherst MA

## Legal Framework

Under Massachusetts General Laws Chapter 59, Section 5, Clause 45, municipalities can negotiate PILOT agreements for renewable energy and energy storage systems. These agreements help towns secure revenue from projects that might otherwise be taxexempt. Mass.gov+1DLS Gateway+1

## Key Takeaways

- **Revenue Stability**: PILOT agreements offer towns predictable income over the life of BESS projects.
- Community Benefits: Beyond financial payments, some agreements include additional benefits like workforce development funds.
- **Legal Compliance**: These agreements ensure that towns receive compensation even when projects qualify for tax exemptions.

## Thank You!

 Thank you for standing together to protect Oakham's future.