



# Safety of residential rooftop BESS and concerns from nearby residents





## Overview

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Battery Energy Storage Systems, or BESS, help stabilize electrical grids by providing steady power flow despite fluctuations from inconsistent generation of renewable energy sources and other disruptions. While BESS technology is designed to bolster grid reliability, lithium battery fires at some.

Environmental Protection Agency (EPA) guidance regarding battery energy storage system (BESS) safety will soon be introduced on Long Island, according to Lee Zeldin, EPA administrator. This comes in response to the community fighting increased deployment of lithium-ion BESS in densely populated.

and Regulations (19 NYCRR Parts 1219 through 1229). The Uniform Code incorporates by reference publications including the current 2020 New York State code books, based on the 2018 version of the International Code Council, Inc. (ICC) model code books, published by ICC. The Code Council is.

Queens, NY (April 9, 2025): In direct response to constituent concerns regarding the location and safety of battery energy storage systems (BESS), New York State Senator Joseph P. Addabbo, Jr. has introduced new legislation (S.7197) aimed at enhancing transparency, oversight, and community.

Robert Holden, a city councillor from Staten Island, has voiced serious concerns over the recent proposals to place battery energy storage systems (BESS) near residential areas and gas stations. These large-scale power storage facilities, which utilize lithium-ion batteries, are essential for.

Battery Energy Storage Systems (BESS) have become an essential component of



modern energy infrastructure, supporting grid stability, renewable energy integration, and peak demand management. While concerns about fire hazards have been raised, historical data and scientific studies indicate that.



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### [Assessment of Potential Impacts of Fires at BESS Facilities](#)

This report provides an analysis of historical BESS fire incidents and, their causes, a review of the types of contaminants released, the extent of environmental impacts, and how advancements ...

### [New York Residents Cry NIMBY on BESS](#)

This comes in response to the community fighting increased deployment of lithium-ion BESS in densely populated areas throughout ...

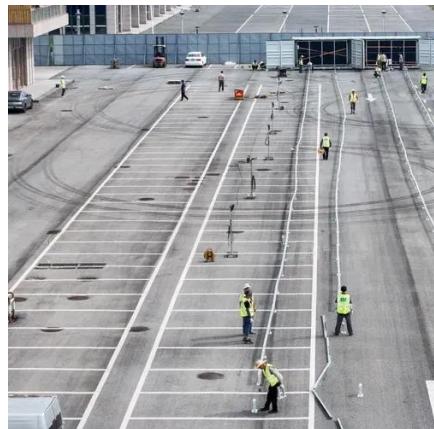


### [Rising Concerns Over Battery Storage Safety Near Homes](#)

The dense arrangement of batteries within BESS can further exacerbate the speed at which fires spread, creating significant hazards. Community opposition to new BESS ...

### [New York Residents Cry NIMBY on BESS](#)

This comes in response to the community fighting increased deployment of lithium-ion BESS in densely populated areas throughout New York state, including near their homes ...



### **Siting and Safety Best Practices for Battery Energy Storage ...**

NYSERDA published the Battery Energy Storage System Guidebook, most-recently updated in December 2020, which contains information and step-by-step instructions to support local ...



### **EPA releases new BESS Battery Storage Safety Guidelines amid ...**

Battery Energy Storage Systems (BESS) have become a cornerstone of the clean energy transition, stabilizing power grids and storing electricity from renewable sources. But as ...

### **[New York State Interagency Fire Safety Working Group](#)**



Following a series of fires at three battery energy storage system (BESS) locations across New York State in 2023, Governor Hochul convened an interagency Fire Safety Working Group ...



#### [EPA releases new BESS Battery Storage Safety ...](#)

Battery Energy Storage Systems (BESS) have become a cornerstone of the clean energy transition, stabilizing power grids and ...



#### [Rising Concerns Over Battery Storage Safety Near ...](#)

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#### **Inter-Agency Fire Safety Working Group Releases Proposed ...**

The Working Group's proposed revisions and recommendations, listed below, largely focus on design and safety requirements to provide the public and first responders with ...

#### [Battery Energy Storage Systems: Main ...](#)



While BESS technology is designed to bolster grid reliability, lithium battery fires at some installations have raised legitimate safety ...



### **ICYMI: Administrator Zeldin in New York Post: New York State's ...**

"From Suffolk County to Staten Island, Western New York and the North Country, New Yorkers have been vocal about their BESS safety concerns, but state officials have ...

### [Battery Energy Storage Systems: Main Considerations for Safe](#)

While BESS technology is designed to bolster grid reliability, lithium battery fires at some installations have raised legitimate safety concerns in many communities.





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