



NFCC
National Fire
Chiefs Council

Grid Scale Energy Storage System Planning Guidance consultation

Introduction

Grid scale Battery Energy Storage Systems (BESS) are a fundamental part of the UK's move toward a sustainable energy system. [This guidance](#) supersedes and seeks to build on the original guidance document that was published in 2023 (Version 1). The guidance is based upon a range of supporting materials including academic research, national and international standards, case studies, and industry guidance. The content of this guidance is the result of analysis of that supporting material with subsequent professional judgement applied.

This document has been produced for the use of Fire and Rescue Services (FRS) and Local Authority Planners to support community and firefighter safety. In referring to this guidance, NFCC seek to support FRS to ensure they are aware of the location of all grid scale BESS in their area. This is to allow for effective operational pre planning to take place ensuring that FRS requirements are proportionate to the hazard and risk whilst not being overly burdensome to the developer of the BESS installation. It is hoped that the guidance will promote consistency of approach across FRS.

We recommend that you thoroughly read the document before completing your review. The document has been submitted as a word document with line numbers, please indicate the appropriate line numbers in your response. Please provide sufficient detail in your comments for us to make appropriate amendments.

If you would like to prepare your response, you can review the questions in advance [**insert PDF of questions**]. There is also a save and continue function that can be used throughout the consultation so that you can return to your response later and pick up where you left off.

This survey will close end of the day **Thursday 22 August 2024**. If you have any questions, please contact the [NFCC Policy team](#).

Thank you for taking the time to respond to this consultation.

Privacy statement

The NFCC uses your data expressly for the purposes outlined in this introduction. Your contact details will only be used to clarify your response or request additional information relating to this survey. The NFCC complies with GDPR policies for the collection, processing, and storage of personal data.

Your details

1. Please select your Fire and Rescue Service:

- I am not part of a Fire and Rescue Service
- Avon
- Bedfordshire
- Buckinghamshire
- Cambridgeshire
- Cheshire
- Cleveland
- Cornwall
- County Durham and Darlington
- Cumbria
- Derbyshire
- Devon and Somerset
- Dorset and Wiltshire
- East Sussex
- Essex
- Gloucestershire
- Greater Manchester
- Guernsey
- Hampshire and Isle of Wight
- Hereford and Worcester
- Hertfordshire
- Humberside
- Isle of Man
- Isles of Scilly
- Jersey
- Kent
- Lancashire
- Leicestershire
- Lincolnshire
- London Fire Brigade

- Merseyside
- Mid and West Wales
- Norfolk
- North Wales
- North Yorkshire
- Northamptonshire
- Northern Ireland
- Northumberland
- Nottinghamshire
- Oxfordshire
- Royal Berkshire
- Scottish Fire and Rescue Service
- Shropshire
- South Wales
- South Yorkshire
- Staffordshire
- Suffolk
- Surrey
- Tyne and Wear
- Warwickshire
- West Midlands
- West Sussex
- West Yorkshire

2. If you are not part of an FRS, please provide your contact details:

Name	<input type="text"/>
Service/Organisation	<input type="text"/>
Role/Job title	<input type="text"/>
Email address	<input type="text"/>

3. If you are part of an FRS, please provide your contact details:

Name

Role/Job title

Email address

4. Are you responding on behalf of your organisation or as an individual?

- On behalf of my organisation
- As an individual

5. Are you the single point of contact for your service?

- Yes
- No
- Not applicable - I don't work in service

6. Are you happy for us to contact you regarding your response to this consultation?

- Yes
- No

7. How did you find out about this consultation?

- Direct email notification
- General communications from the NFCC
- NFCC Committee or working group
- NFCC Members newsletter
- NFCC Workplace
- Notified through your organisation
- Service single point of contact (SPOC)
- Twitter
- Other (please specify):

8. If you are not the single point of contact, please provide details for the SPoC for your service:

Name:

Role/Job title:

Email:

Introduction and Scope

These questions are to gain your feedback on the Introduction and Scope sections of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

9. Do you agree with the content in the Introduction and Scope?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

10. The language in the Introduction and Scope is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Principles

These questions are to gain your feedback on the **Principles** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

11. Do you agree with the content in the Principles?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

12. The language in the Principles is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

FRS Organisational Requirements

These questions are to gain your feedback on the **FRS Organisational Requirements** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

13. Do you agree with the content in the **FRS Organisational Requirements**?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

14. The language in the **FRS Organisational Requirements** is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Planning Approval Process

These questions are to gain your feedback on the **Planning Approval Process** and **Information requirements** sections of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

15. Do you agree with the content in the Planning Approval Process and Information requirements?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

16. The language in the Planning Approval Process and Information requirements is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

System design, construction, testing and decommissioning

These questions are to gain your feedback on the **System design, construction, testing and decommissioning** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

17. Do you agree with the content in the System design, construction, testing and decommissioning?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

18. The language in the System design, construction, testing and decommissioning is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Battery Chemistry

These questions are to gain your feedback on the **Battery Chemistry** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

19. Do you agree with the content in the Battery Chemistry?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

20. The language in the Battery Chemistry is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Detection and monitoring

These questions are to gain your feedback on the **Detection and monitoring** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

21. Do you agree with the content in the Detection and monitoring?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

22. The language in the Detection and monitoring is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Suppression and Suppression Systems

These questions are to gain your feedback on the Suppression and Suppression Systems sections of the Grid Scale Energy Storage System Planning Guidance.

This covers sections:

- Suppression
- Suppression systems
- Inert Gaseous Suppression System
- Water based suppression system

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

23. Do you agree with the content in the Suppression and Suppression Systems?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

24. The language in the Suppression and Suppression Systems is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Explosion Control (Deflagration Protection)

These questions are to gain your feedback on the Explosion Control (Deflagration Protection) section of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

25. Do you agree with the content in the Explosion Control (Deflagration Protection)?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

26. The language in the Explosion Control (Deflagration Protection) is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Site Location and Access

These questions are to gain your feedback on the Site Location and Access sections of the Grid Scale Energy Storage System Planning Guidance.

This covers:

- Site Location
- Site Access

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

27. Do you agree with the content in the Site Location and Access?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

28. The language in the Site Location and Access is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Spacing between BESS and Spacing to other buildings beyond perimeter of site

These questions are to gain your feedback on the Spacing between BESS and Spacing to other buildings beyond perimeter of site sections of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

29. Do you agree with the content in the Spacing between BESS and Spacing to other buildings beyond perimeter of site?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

30. The language in the Spacing between BESS and Spacing to other buildings beyond perimeter of site is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Site Conditions

These questions are to gain your feedback on the Site Conditions section of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

31. Do you agree with the content in the Site Conditions?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

32. The language in the Site Conditions is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Water Supplies

These questions are to gain your feedback on the Water Supplies section of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

33. Do you agree with the content in the Water Supplies?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

34. The language in the Water Supplies is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Signage

These questions are to gain your feedback on the Signage section of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

35. Do you agree with the content in the Signage?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

36. The language in the Signage is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Emergency Response Plan

These questions are to gain your feedback on the **Emergency Response Plan** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

37. Do you agree with the content in the Emergency Response Plan?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

38. The language in the Emergency Response Plan is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Site Plans and Maps

These questions are to gain your feedback on the **Site Plans and Maps** section of the **Grid Scale Energy Storage System Planning Guidance**.

To what extent do you agree or disagree, if at all, with the following statements relating to this section:

39. Do you agree with the content in the Site Plans and Maps?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

40. The language in the Site Plans and Maps is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Environmental impacts

These questions are to gain your feedback on the Environmental impacts and Recovery sections of the Grid Scale Energy Storage System Planning Guidance.

To what extent do you agree or disagree, if at all, with the following statements relating to these sections:

41. Do you agree with the content in the Environmental impacts and Recovery?

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback regarding anything that is missing or erroneous in this section?

42. The language in the Environmental impacts and Recovery is easy to understand.

- Agree
- Neither agree nor disagree
- Disagree
- Don't know

If you disagree, do you have any feedback for how we could improve the language in this section?

Final question

Thank you for taking the time to respond to this consultation. Your feedback is greatly appreciated.

43. Please use this space to provide any other feedback you have on the Grid Scale Energy Storage System Planning Guidance.

A large, empty rectangular box with a thin blue border, intended for providing feedback on the Grid Scale Energy Storage System Planning Guidance.