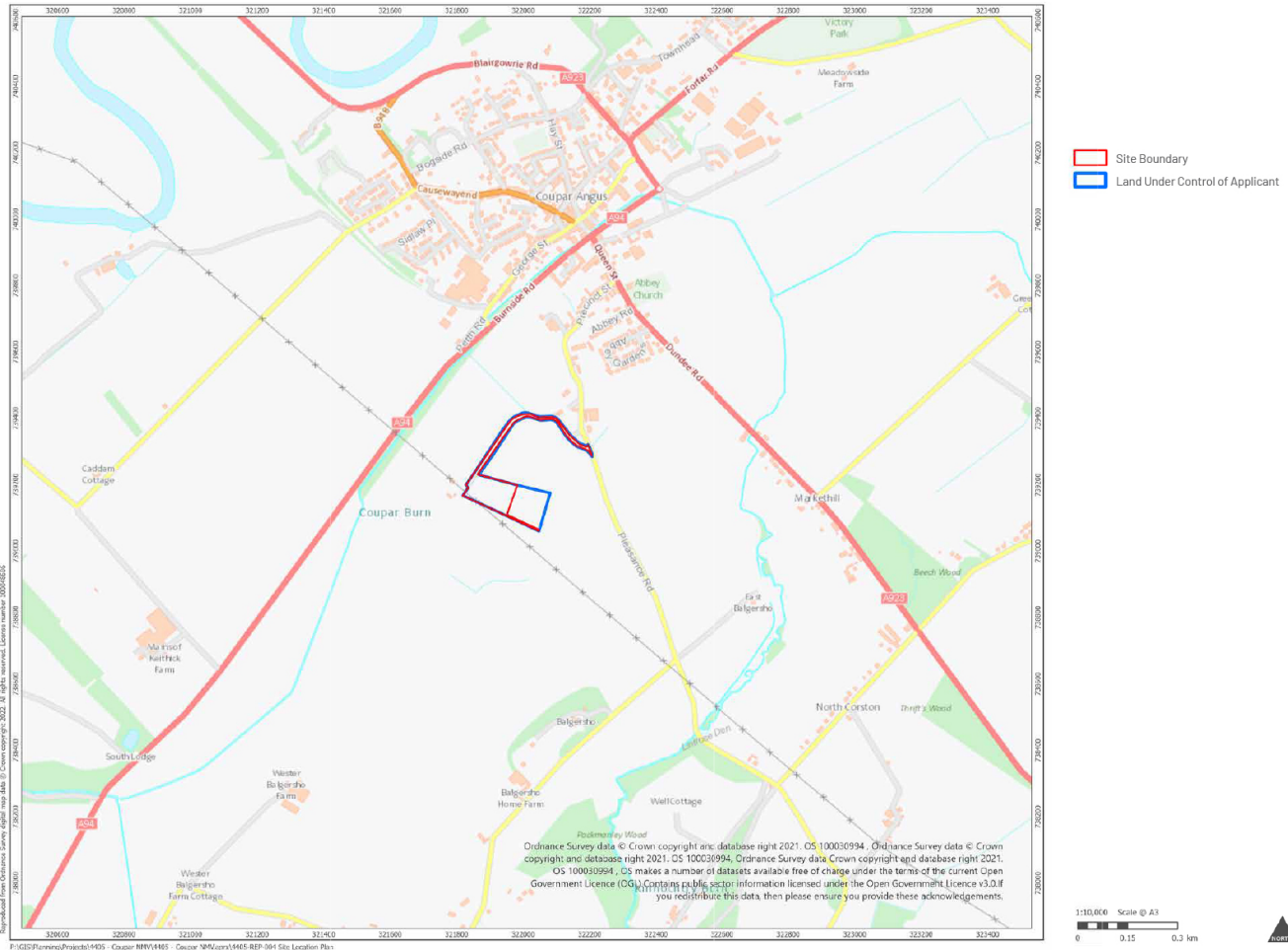


## Welcome

Welcome to this public exhibition for the proposal to increase the battery storage capacity and associated infrastructure within the existing boundary of the Battery Energy Storage System (BESS) site at Coupar Angus.



Site Location Plan

## The proposal

The proposal is for an additional 144 battery units with associated infrastructure within the existing boundary of the Coupar Angus site, which is located 130m south east of Coupar Angus Substation (Pleasance Road, Coupar Angus).

The development currently holds 120 battery units and planning permission was originally granted for up to 150 battery units on the site. The battery units will be contained within the current red line boundary and will remain under 49.9MW, as previously consented.

## About the project partners

Coupar Ltd is the owner of the existing BESS at Coupar Angus. It is 100% owned by Gresham House Energy Storage Fund plc, a dedicated energy storage fund. Due to recent changes in the requirements of the electricity network operator and the electricity market, changes are required to the Coupar BESS to ensure it is able to provide the best service to its customers. In turn this will help to provide a continuous national electricity supply which meets demand, stores electricity generated at times of low demand and helps to achieve the national renewable electricity targets.

## Why do we need battery energy storage systems?

Battery energy storage system (BESS) technology could play a critical role in securing our net zero energy future.



Existing battery units on site

Battery energy storage system (BESS) technology could play a critical role in securing our net zero energy future.

- Perth and Kinross Council has pledged to reach net zero by 2045.
- Scotland aims to generate 50% of its overall energy consumption from renewable sources by 2030. By 2050, the Scottish Government aims to have almost completely decarbonised the energy system.
- The UK Government has set a target of net zero by 2050.

Installing more battery storage systems will help reach local and national targets and ensure that renewable energy produced can be stored for later use.

### According to the National Grid:



“Every day, engineers at National Grid and electricity grids worldwide must match supply with demand. Managing these peaks and troughs becomes more challenging when the target is to achieve **net zero** carbon production, by phasing out fossil fuel plants that have traditionally been used as a backup to provide a reliable, steady supply of energy.”

“The UK government estimates technologies like battery storage systems – supporting the integration of more low-carbon power, heat and transport technologies – could save the UK energy system up to **£40 billion by 2050**, ultimately reducing people’s energy bills.<sup>1</sup>”

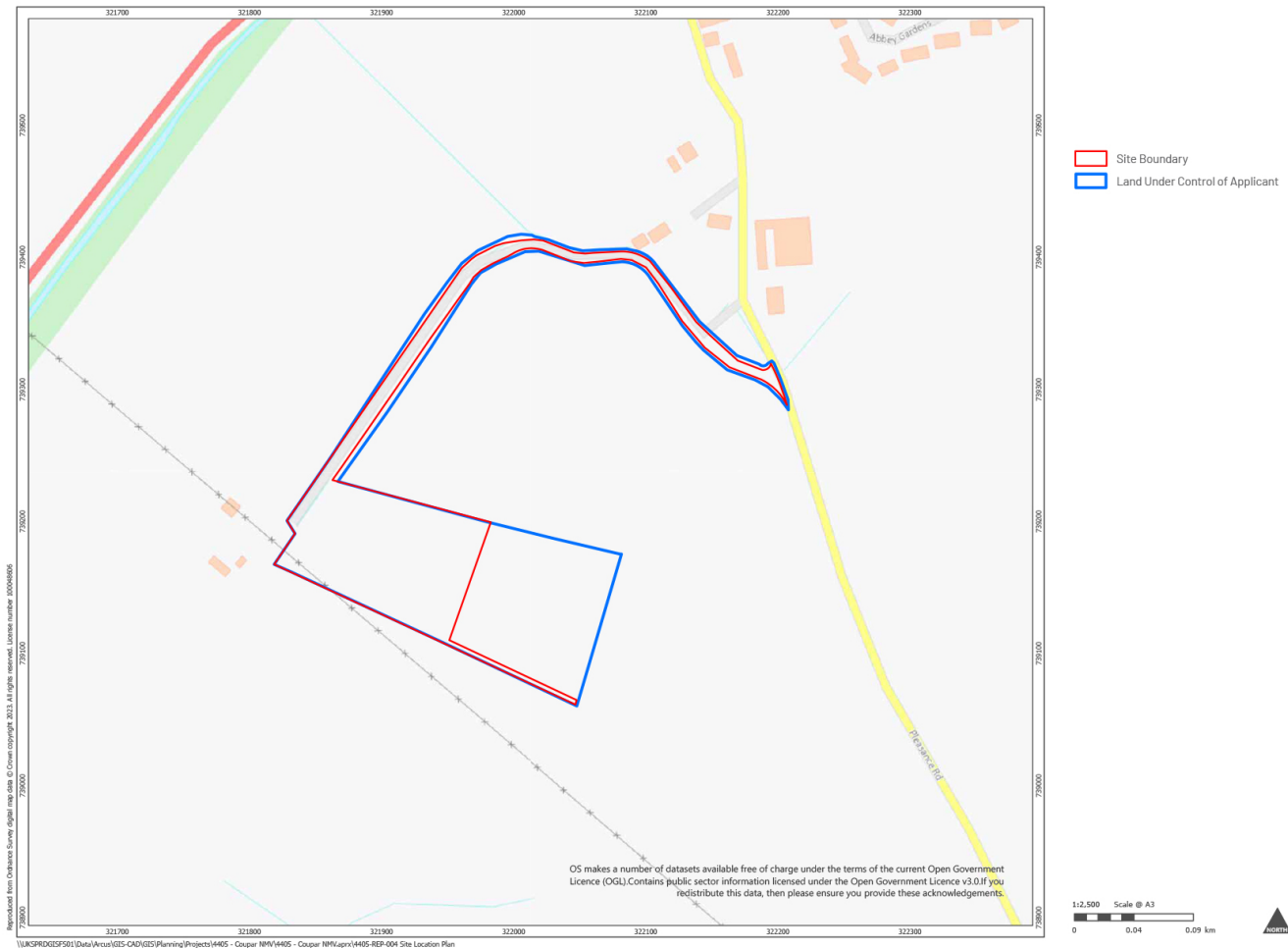


Existing battery units on site

1 <https://www.nationalgrid.com/stories/energy-explained/what-is-battery-storage>

## Our proposal for the Coupar Angus BESS site

We propose expanding the storage capacity at Coupar Angus by adding 144 battery units, all of which will be located within the existing site boundary.



Site Boundary

Adding more batteries will not significantly change the overall layout of the site, or have any significant impact on local communities.

Within the site, we will reduce the road width from 6m to 2.5m to allow for additional plinths to house the new batteries.

### Reports and mitigation

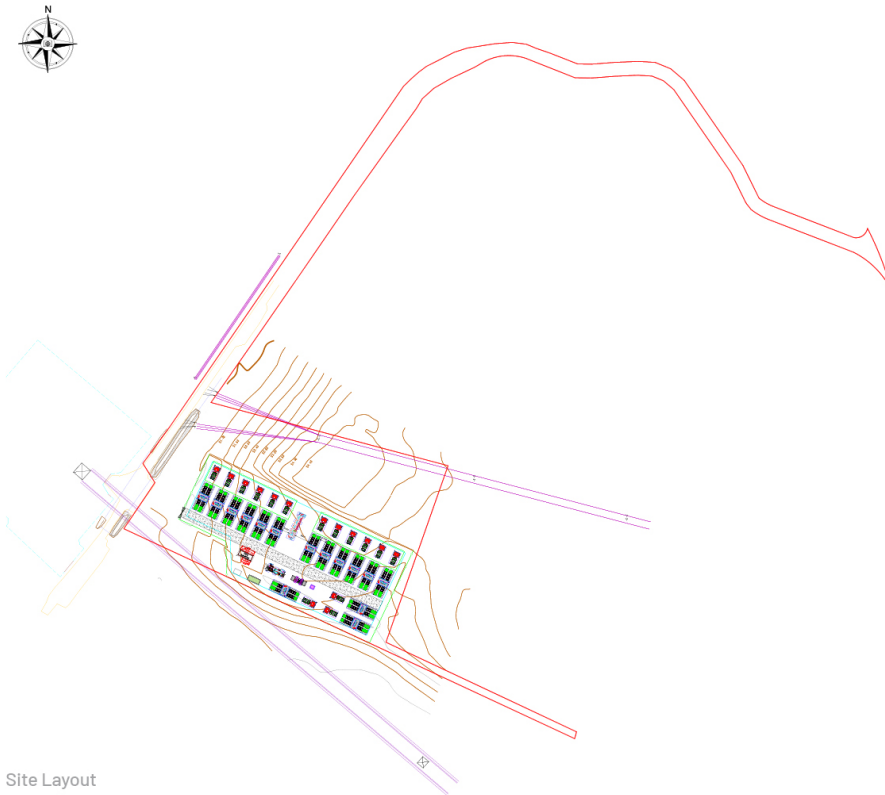
We have worked with Perth and Kinross Council to undertake and update the required assessments. All reports will be available for the public to view on the council website following submission of the application.

The following reports have been provided:

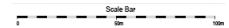
- Updated Flood Risk Assessment
- Updated Preliminary Ecological Appraisal
- Updated Land And Visual Impact Assessment
- Updated Noise Assessment
- Construction and Traffic Management Plan

As we are not expanding the site, no further mitigation is required and we will continue to monitor the current planing scheme.

## What will the site comprise?



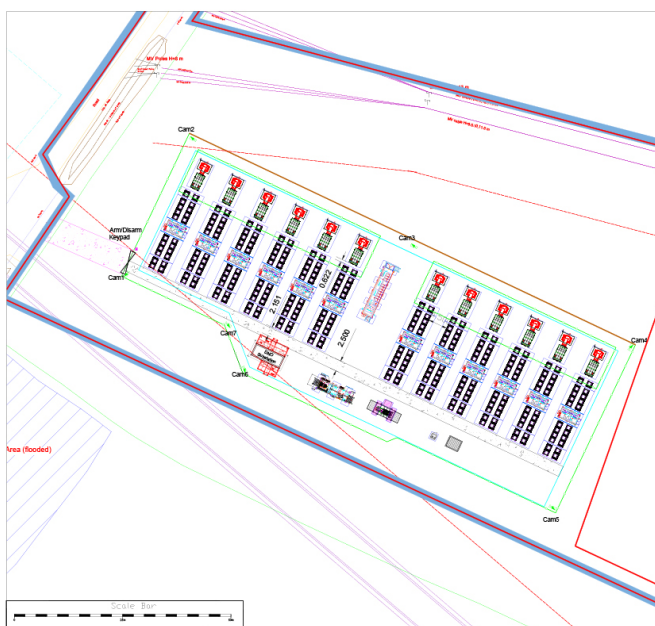
Legend	
	Land Ownership
	Site Boundary
	Boundary Fence
	Acoustic Fence 3m Height
	Construction Line 3m from Fence
	15m Buffer from OHL
	CATL Outdoor Battery Bank
	Production Transformer with PCS
	MV Substation
	LV Room
	Emergency Diesel Generator
	6m width Access Road (Internal)
	Contour Lines (Elevation)



Site Layout

## Construction traffic

Construction and movement of goods will follow the consented Construction Traffic Management Plan (CTMP) already approved by Perth and Kinross Council for the original application. This will be provided with the new planning application.



Legend	
	Land Ownership
	Site Boundary
	Boundary Fence
	Acoustic Fence
	Construction Line 3m from Fence
	15m Buffer from OHL
	CATL Outdoor Battery Bank
	Production Transformer with PCS
	MV Substation
	LV Room
	Emergency Diesel Generator
	6m width Access Road (Internal)
	Access Road (External)

Site Layout including traffic

# Coupar Angus Battery Energy Storage System

## Noise

We conducted a noise assessment for the 144 additional battery units, which will be submitted with our planning application.

The noise rating for the existing batteries is 13. The addition of the new batteries will increase the noise rating to 15. This is below the maximum noise rating of 20 set by Perth and Kinross Council for residential properties with windows open.

Outside noise is predicted to increase from 31.6 decibels to 32.3 decibels. This is also compliant with Perth and Kinross Council's requirements, as it sets a limit of 33 decibels.

The full noise report will be available to view on the Perth and Kinross Council planning portal, once the application has been validated.

## Safety and security

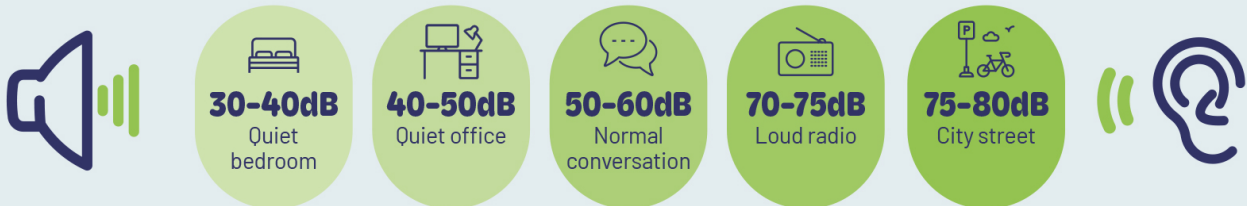
The Coupar Angus BESS site has a range of safety and security features.

Each battery is self-contained and placed on plinths to keep them off the ground. CCTV monitors the site 24 hours a day. The site has a fire plan, fire log and fire risk assessment.

- Monthly function tests of claxons and fire horns are carried out by METKA EGN, a leading global industrial and energy company.
- Each year a full discharge test is carried out by a person qualified in the appropriate standards and manufacturers' recommendations.

### How loud is 32.3 decibels?

The UK Institution of Occupational Health and Safety provides this comparison for noise levels.



<https://iosh.com/health-and-safety-professionals/improve-your-knowledge/occupational-health-toolkit/noise/sound-levels-and-their-relevance>

## Ecology

We updated our preliminary ecological appraisal and this will be submitted with our planning application.

The site is of low ecological value, with no evidence of protected species.

Habitats of greater ecological importance, like scattered woodland and scrub, are found outside the site.

Our updated appraisal concluded that we don't need to make any further changes to what was agreed with the planning application for the original site.

## Landscape and visual

Our assessment showed that additional batteries are not predicted to significantly impact how the landscape looks to the public, or how it functions.

## Next steps

### Please tell us your thoughts

The feedback we receive from local people today and throughout the consultation process will help shape our proposal, which is still in an early stage.

Please take a few minutes to complete our feedback form and hand it to one of the team, or drop it in the box. If you have any questions after the event, please feel free to email the team using the email below.

For more information, hard copies of our material or to speak to a member of the project team, please:



Visit [www.couparangus-bess.co.uk](http://www.couparangus-bess.co.uk)



[couparbess@erm.com](mailto:couparbess@erm.com)

### Second public exhibition

We will hold a second exhibition on **Tuesday 28 November, 4-7pm**, to show our updated proposal and gain more feedback from the community.

We ask for all comments to be provided by **Wednesday 27 December**. We will then submit a planning application to Perth and Kinross Council in early 2024. The feedback will be included with the Pre-Application Consultation report that will accompany the planning application.

Please note any feedback you give to the team today is not a formal representation. Once a planning application is submitted you'll be able to see all documents via the planning portal on Perth and Kinross Council's website and submit your formal representation.

# Thank you for attending.