POWER FOR GOOD

June 2025

Fairgreen Battery Energy Storage System

Statement of Community Involvement

Contents

1 Introduction

1.1 Background

This Statement of Community Involvement (SCI) outlines how RES (the Applicant) has engaged with the local community to inform them about the proposed Fairgreen Battery Energy Storage System, hereinafter referred to as the 'Proposed Development'.

It explains how and when the community were consulted before the planning application was submitted to Basildon Council and how this consultation has shaped the Proposed Development.

The SCI summarises those activities undertaken, details how comments received from the community were considered, and sets out if any consequent changes or mitigating measures have been included in the proposal.

1.2 Proposed Development

The Proposed Development consists of an up to 150MW Battery Energy Storage System (BESS) located on a parcel of land at the centre of the Fairglen Interchange, approximately 1km north of South Benfleet, Essex.

The proposed site is not expected to exceed 18.3 hectares and would comprise approximately 168 battery storage containers, as well as associated foundations, power conversion systems, substation infrastructure, a transformer, and cabling.

The site has been chosen due to its proximity to Rayleigh substation, and if consented, the BESS would connect directly into this substation.

2 The Applicant's commitment to consultation

The Applicant is the world's largest independent renewable energy company, working across 24 countries and active in wind, solar, battery energy storage, green hydrogen, transmission and distribution. As an industry innovator for over 40 years, The Applicant has delivered more than 28GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 43GW worldwide for a large client base.

The Applicant is committed to finding effective and appropriate ways of engaging with all its stakeholders, including local residents and community organisations, and believes that the views of local people are an integral part of the development process. The Applicant wants to be a good neighbour to the communities that host its projects and will listen to and address questions or concerns that interested parties might have. A comprehensive process that engages with local people and stakeholders at an early stage allows an informed debate that helps the Applicant identify issues of potential concern, explore solutions and design a project that will be welcomed as a positive asset by the local community.

3 Statutory requirements and best practice guidance

Conducting an early and transparent pre-application public consultation is consistent with the guidance within the NPPF (2023). Paragraph 39 of the NPPF states that:

"Early engagement has significant potential to improve the efficiency and effectiveness of the planning application system for all parties. Good quality pre-application discussion enables better coordination between public and private resources and improved outcomes for the community."

The NPPF goes on to state that:

"[Local Authorities] should also, where they think this would be beneficial, encourage any applicants who are not already required to do so by law to engage with the local community and, where relevant, with statutory and non-statutory consultees, before submitting their applications."

The Planning and Compulsory Purchase Act of 2004 ensures Local Authorities develop strategies to engage the local community in the planning process. These strategies must be set out in a document called a 'Statement of Community Involvement' and must be aimed at all sections of society - including identified 'hard to reach' groups - and encourage engagement in the planning process. The aim is to encourage 'ownership' of the planning process by the community.

As a result, this SCI (for the Proposed Development) also fulfils a recommendation of Basildon Council, as the Local Planning Authority, to provide people with an opportunity to feed into the design process of a scheme.

Basildon Council's Statement of Community Involvement[1] sets out how early community consultation should take place on planning issues. Paragraph 2.3 states:

"In accordance with the Localism Act 2011 and the NPPF, the Council encourages developers to consult with the wider community, stakeholders and residents prior to submission of a planning application. The aim is that the community is involved at the earliest possible stage before the developers finalise their proposals. This can often reduce the time taken to determine an application".

4 Consultation methodology

The purpose of pre-application community consultation is to improve, where possible, the quality of the proposed planning application by considering public opinions and addressing, wherever possible, any issues raised by stakeholders. It is also intended that any interested stakeholders have access to up-to-date and accurate information regarding the Proposed Development and the opportunity to provide feedback to be considered prior to the proposed planning application being finalised and submitted.

4.1 Community and stakeholder mapping

This section details the key local stakeholders that the Applicant identified and consulted with during the pre-application consultation process. Prior to the start of the consultation, the Applicant undertook desktop research to develop a comprehensive understanding of the key stakeholders to engage with during pre-application community consultation. This research involved identifying local stakeholders located around the site of the Proposed Development.

The stakeholder groups identified included:

- Locally elected political representatives including:
    - MPs for Castle Point and Rayleigh & Wickford constituencies.
    - Relevant ward councillors from Pitsea South East and Wickford Park of Basildon Council
    - Relevant ward councillors from Thundersley North of Castle Point Borough Council
    - Relevant ward councillors from Wheatley Ward of Rochford District Council

[1] **Basildon Council - Statement of Community Involvement - Third Revision - October 2020**

    - Bowers Gifford and North Benfleet
- The immediate population around the Proposed Development.

5 Consultation

The pre-application public consultation began on 18 March 2025. During the pre-application public consultation, a range of communication methods were used to provide information about the Proposed Development and ensure that the local community had the opportunity to provide their feedback. These methods included:

5.1 Letter emailed to elected representatives – 27 February 2025

The Applicant wrote to the elected representatives to advise them that the Applicant was investigating the potential for a BESS development at the site location and would commence a number of consultation activities shortly – including setting up a dedicated project website and holding a public exhibition to gather people's feedback on the proposal.

The letter also invited the representatives to join a combined meeting on 12 March 2025 to discuss the proposal ahead of the public exhibition. A copy of the letter can be found at **Appendix A**.

5.2 Project website – 27 February 2025

On 27 February, a project website was launched at **www.fairgreen-batterystorage.co.uk** containing information on the Proposed Development as well as contact details for the project team to facilitate direct engagement.

The project website was updated with details of the public exhibition location and times and will remain live to link to all planning application documentation when the submission is made.

5.3 Pre-exhibition advertising – 7 March 2025

The Applicant placed an advertisement which appeared in the Basildon Echo on Friday 7 March 2025 to help raise awareness of the upcoming public exhibition. A copy of the advertisement can be found at **Appendix B.**

5.4 Community pre-application newsletter mailing – 7 March 2025

The Applicant sent a newsletter, advertising the upcoming public exhibition event to 415 properties identified in the immediate vicinity to the Proposed Development. A copy of the newsletter can be found at **Appendix C.**

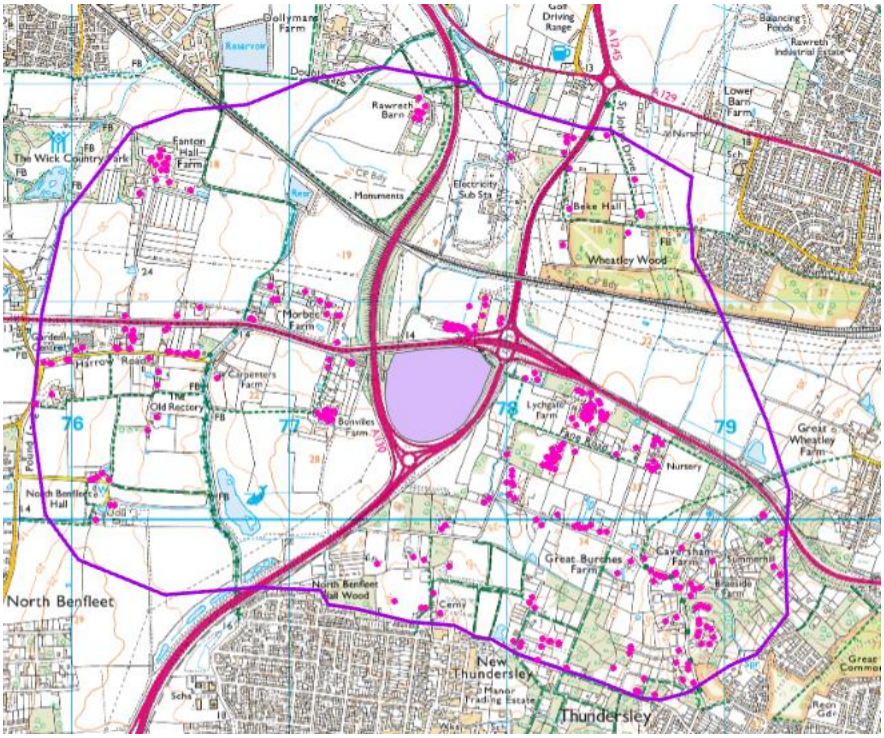


Figure 1 – Community pre-exhibition newsletter mailing area

5.5 Newsletter emailed to elected representatives – 10 March 2025

The Applicant emailed a copy of the newsletter, advertising the upcoming public exhibition event to parish council, ward members and local MPs. This email also reminded elected representatives of the invitation to a combined meeting on 12 March 2025.

5.6 Combined meeting for elected representatives – 12 March 2025

The Applicant hosted a meeting to discuss the project with available representatives ahead of the public exhibition. One attendee was available for this meeting. The presentation for this meeting can be found at **Appendix D.**

5.7 Public exhibition - 18 March 2025

The public exhibition took place on 18 March 2025 between 2pm and 7pm at Pitsea Mount Community Association Hall, Brackendale Ave, Pitsea SS13 3BD.

Figure 2 – Public exhibition at Pitsea Mount Community Association Hall

One person attended the public exhibition, and a copy of the information boards presented at the public exhibition can be found at **Appendix E.**

For people without internet access, hard copies of the public exhibition materials were made available upon request. No requests for hard copies were received.

A comment form was produced to encourage feedback from people about renewable energy and BESS in general and the project design specifically. The comment form was made available as a hard copy to submit at the public exhibition, as well as on the project website where it could be submitted online, by email or by post. A copy of the comment form can be found at **Appendix F.**

The consultation period for feedback on the proposal ran from 18 March until 28 March 2025. A total of one completed comment form was received by the Applicant.

At all stages of the consultation process, the Applicant set out clearly the purpose of the consultation and emphasised that comments made were not representations to the determining authority and that there would be the opportunity for representations to be made to the determining authority once the planning application was submitted.

5.8 Summary of consultation and correspondence

In summary, a range of engagement and communication activities were undertaken as part of the pre-application consultation - reaching both local stakeholders as well as audiences in the wider area. This activity included:

- Letters to – and correspondence with - elected representatives;
- Advertisements for the public exhibition in the local press;
- Newsletter informing local residents and elected representatives about the public exhibition;
- A combined meeting with available elected representatives

- A public exhibition; and
- A dedicated project website.

6 Feedback and applicant's response

The Applicant believes in meaningful and effective consultation to facilitate constructive dialogue with stakeholders and the community. All feedback received through the pre-application consultation activities has been considered, as part of the pre-application process.

While limited, the feedback received ahead of submitting the application is summarised below together with the Applicant's response.

Issue raised	Applicant's response
Location **Precise location of your development "***Where is the precise location of the BESS"* **Confusion between projects in the local area "***Is this the development that has just been granted permission?"*	The Proposed Development is located south of Rayleigh substation at which it would connect, on a parcel of land at the centre of the Fairglen Interchange, between South Benfleet and Rayleigh. This is a separate application from other BESS projects in the local area and is not in relation to similarly named Fairglen BESS.
Grid Network **Connection to grid** *"How do you plan to connect to the grid?"*	Battery energy storage developments need to be located as close as possible to the substation from which its grid connection is provided in order to limit electrical losses, ensure efficiency of the system, and to limit potential environmental impacts from underground or overhead cabling. The Proposed Development would connect to a substation on site which would subsequently connect directly into Rayleigh substation to the north.
Visual and landscape **Coloured containers** *"Are there plans to have these containers coloured?"*	The storage containers for these systems come from the manufacturer in a grey colour. There are a handful of examples where containers have been coloured green at the request of the local council. The Applicant does not intend on changing the colour for this project due the nature of the site's location on an interchange of three major roads and limited visibility. Instead, the Applicant has focused on natural screening and biodiversity improvements onsite with a Biodiversity Net Gain (BNG) of 23.66% in habitat units, 11.39% in hedgerow units and 10.19% in watercourse units.

Energy Storage *"Have you, as a company, looked into other methods of storage?"* *"Where are you storing energy from?"*	The Applicant is primarily focusing on BESS due to their scalability and maturity to support in current grid stability requirements. The Applicant is, however, keeping an eye on innovations like thermal storage and long-duration storage solutions as technology advances. At present BESS technology is key to balancing and stabilising the UK's national electricity grid. Like most energy storage systems of this size, the Proposed Development would not be directly linked to an electricity generating station. The Proposed Development would be connected directly to the wider grid network, via the Rayleigh substation, and will be utilised by the network operator to balance peaks and troughs in energy demand and generation. This type of energy storage is considered the fastest technology for responding to sudden spikes in demand and is essential to help support the wider roll out of green energy across the UK.
Decommissioning *"What happens at the end of life of the project or lapse in planning consent?"*	At the end of the planning consent, several options are typically considered. If the system is still viable and there is a desire or need for the BESS to continue operating, a new planning application would generally need to be submitted to extend its life. Alternatively, the BESS may be decommissioned. The decision depends on factors like performance, grid needs, and regulatory conditions at the time. The Applicant has proven experience in decommissioning battery energy storage sites back to their original greenfield state. Projects decommissioned to date were relatively small, but their successful decommissioning serves as a model for future decommissioning of larger scale projects. 98% of all materials on the sites were recycled.

7 Summary

The Applicant believes that consultation and effective communication is extremely important when developing a battery energy storage project. The Applicant has consulted proactively on the Proposed Development in order to facilitate an early and constructive consultation process and used a variety of methods to communicate and engage with the local community, stakeholders and other interested parties in order to facilitate a strong public understanding of the potential impacts and benefits of the Proposed Development.

This SCI sets out the consultation in respect of a full planning application for the Proposed Development. During the consultation period, one comment form was submitted in addition to correspondence and conversation with local elected representations. The comments and questions received during the consultation period and the one comment form received were neutral to the project.

The Applicant is committed to continuing the open dialogue it has established with the local community during pre-application consultation as the planning process continues. The Proposed Development's website at **www.fairgreen-batterystorage.co.uk** will be updated regularly to enable people to keep up to date with the latest news about the Proposed Development as it progresses. Once the planning application has been validated by Basildon Council, the Applicant will write to stakeholders and members of the community who have asked to be kept updated on the Proposed Development, to provide them with the planning reference number and contact details for Basildon Council's Planning department, should they wish to submit a formal representation.

Appendices

Appendix A – Letter to elected representatives

Appendix B – Pre-exhibition advertisement

Appendix C – Pre-exhibition newsletter mailing

Appendix D – Combined meeting presentation

Appendix E – Exhibition boards

Appendix F – Feedback comment form

Appendix A – Letter to elected representatives

RES
Beaufort Court, Egg Farm Lane, Kings Langley
Hertfordshire WD4 8LR, United Kingdom
+44 (0)1923 299 200 | info@res-group.com

[redacted]

By email only to: [redacted]

27 February 2025

Dear [redacted]

RE: Fairgreen Battery Energy Storage System Proposal

I am writing to let you know that RES is exploring the potential for a battery energy storage system (BESS) project on a parcel of land at the centre of the Fairglen Interchange, 1km north of South Benfleet, Essex.

RES is the world's largest independent renewable energy company, headquartered in Hertfordshire. As an industry innovator for over 40 years, RES has delivered more than 27GW of energy projects across the globe including the development of the 80MW Stony BESS project in Milton Keynes.

BESS technology supports the variable generation of renewable energy technologies by playing an important balancing and grid stability role. BESS helps support National Grid by storing energy at times when generation exceeds demand and releasing electricity back to the national grid network when demand exceeds generation. BESS is considered the fastest technology for responding to a sudden spike in demand or an abrupt loss of supply and can also provide grid stability (frequency of the grid) services on a second-by-second basis as well as providing additional network capacity, particularly at times of network stress.

BESS is essential to enabling and accelerating the rollout of zero carbon energy. Increasing its installed capacity will be vital to support England's net-zero emissions target and help to deliver a reliable, resilient, decarbonised electricity system for the future.

At this early stage of the project, we are liaising with Basildon Council and will soon be submitting an Environment Impact Assessment (EIA) Screening Request. Alongside this, we are undertaking a number of technical and environmental surveys to ensure any potential impact on the environment, landscape, heritage and local residents is appropriately assessed and mitigated. This includes any potential cumulative effects from other developments in the area.

RES is committed to engaging early with the local community and key stakeholders to facilitate constructive consultation. We will shortly begin a number of consultation activities for the wider community including public exhibitions in the local area, in order to provide more information and to gather people's feedback on the proposal. We have also launched a dedicated project website for the proposal at www.fairgreen-batterystorage.co.uk.

We would welcome the opportunity to arrange a combined meeting, with all locally elected representatives, including local Parish Councils and ward members, to discuss the proposal openly and jointly. While my colleague

and I are always available to meet with individuals who would like to discuss our plans, we hope that the offer of a combined meeting will create an effective channel of communication between RES, the local community and stakeholders. We will be holding an online call on **Wednesday 12 March** and we will send out a meeting invite to you soon, it would be great if you were able to join or let us know whether you are not available.

Please do let me know if you have any questions or queries in the meantime.

Yours sincerely,

[redacted]

Milo Amsbury-Savage
Development Project Manager
E: milo.amsburysavage@res-group.com **T:** +44 1923 299 277

Appendix B – Pre-exhibition advertisement

Great choice of concerts

Classics

ROSEMARY PENNINGTON

IT is always good to have a choice of concerts!

Tomorrow night at the Salvation Army Temple in Hadleigh, Southend Symphony Orchestra will be performing a programme of music featuring Southend born soloist Eliza Nagle.

The concert, which starts at 7.30pm will include Grieg Peer Gynt Suites and Sibelius Finlandia.

Eliza will perform solo violin in Bruch's Scottish Fantasy.

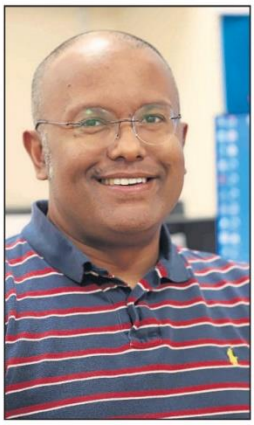
Also tomorrow night, you can catch Basildon Choral Society in an evening entitled "Basildon Choral Society has talent".

This takes place at Lee Chapel North Community Centre, starting at 7.30pm.

Tomorrow night at 7pm you can hear The Southend Band with West Leigh Junior School Boys' Choir. This takes place at Leigh Wesley Church.

Next Friday night at the Plaza Centre, Southchurch Road, you can hear the choir of King College, London in a programme of music by Byrd, Allegri and Tallis. This starts at 8pm.

Technology helping you get access to your GP



■ Advice - Dr Taz Syed

Dr Taz Syed, a GP partner at Southend's Pall Mall Surgery, takes us through the many different ways patients can access help and healthcare services. This week we look at how GP practices are evolving and the ways people can access GP services.

I'D like to share with you how digital tools are helping GP practices work in new ways, and some of the different ways to get care via your surgery.

Beating the 8am rush for appointments is top of everyone's wish list.

To help make this happen and to help GP practices work even more efficiently, we need to use modern technology and tools to help us move forwards.

Digital tools such as cloud-based telephony and total triage systems are helping practices to do this.

And using tools like the NHS App which allow people to access information and manage their healthcare without having to contact their practice helps, too.

Total triage is a digital system that more and more GP practices are using to assess patient's health needs and book appointments with the right healthcare professional based on clinical need. You may also hear these being called online appointment systems. Using these systems reduces waiting times and frees up phone lines for those that are not able to contact their practice through digital methods.

There are three main ways to get in touch with your practice, including online, by phone, or in person.

However you choose to contact your practice, a dedicated team will help you with the next step of your care. Some practices offer the ability to book or cancel appointments through the NHS App – and more practices will be offering this –so make sure you are up to date with how your surgery is working.

With practices that are using a total triage system, all these points of access are triaged simultaneously to help people get the right care as quickly as possible.

More practices across mid and south Essex are moving over to total triage, so please do keep checking back as things change.

Another great tool is cloud-based telephony which uses digital telephone technology so that GP teams can manage call queues, and call patients back instead of patients having to wait on the phone.

All local practices are signed up to move over to cloud-based telephony, with the aim of improving patient experience and ease of contact. It's worthwhile checking with your own surgery about the services they offer.

These services are shared on your practice's website, or you can speak to a member of the reception team if you have any questions about specific services.

These are just some of the steps your local GP practice is making to help you get the care you need quicker, and to help deliver what is called "modern general practice access".

Appendix C – Pre-exhibition newsletter mailing

Fairgreen Battery Energy Storage System March 2025

Proposal

RES is exploring the potential for a battery energy storage system (BESS) project on a parcel of land at the Fairglen Interchange, approximately 1km north of South Benfleet, Essex.

Technical and environmental surveys are being undertaken to ensure any potential impact of the development upon the environment, landscape, heritage and local residents is appropriately assessed and mitigated. This includes any potential cumulative effects from other developments in the area.

Initial surveys have informed a preliminary layout and design and RES is now at the stage of consulting with the local community to get feedback on our early-stage proposal. The feedback will be taken into account, along with the results of site surveys and assessments as we refine the design.

Public Exhibition

We are keen to engage with the local community and as part of our pre-application consultation, we are holding a public exhibition in the local area to enable people to find out more about the proposal and provide us with their views.

Our team will be on hand to answer any questions and comment forms will be available to gather feedback.

Tuesday 18th March 2025
2pm to 7pm
Pitsea Mount Community Centre,
Brackendale Avenue, Basildon, SS13 3BD

All information provided at the public exhibition will also be available at www.fairgreen-batterystorage.co.uk from 18 March 2025.

The public exhibition initiates a consultation period being run by RES to gather comments on the proposal. To participate, please provide feedback on the preliminary design by **Friday 28 March 2025**.

Comments will still be accepted after this date but may not be considered in relation to the design development. Comment forms will be available to complete and submit during the public exhibition. Forms will also be available on the website above from the day of the public exhibition and can be submitted online or downloaded and submitted via email to **rebecca.randall@res-group.com**.

Hard copies can be sent by post to Fairgreen project team, RES Beaufort Court, Egg Farm Lane, Kings Langley, WD4 8LR.

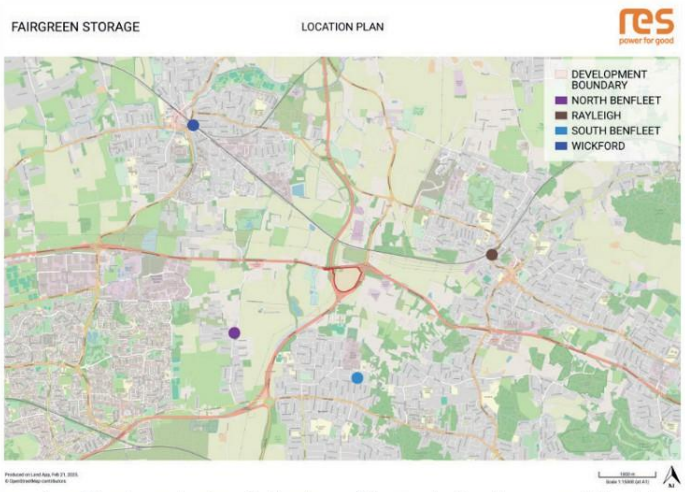
Please note that comments submitted to RES at this time are not epresentations to the determining authority (Basildon Council). There will be an opportunity to submit representations to the determining authority should an application be made.

Fairgreen Battery Energy Storage System at a glance

The Fairgreen Battery Energy Storage System (BESS) would comprise of a number of battery storage enclosures and associated infrastructure to provide up to 150 MW of storage capacity. Fairgreen would support the grid network by storing energy at times when generation exceeds demand and releasing electricity back to the national grid network when demand exceeds generation.

BESS is essential to enabling and accelerating the rollout of zero carbon energy. Increasing its installed capacity will be vital to support England's net-zero emissions target and help to deliver a reliable, resilient, decarbonised electricity system for the future.

Electricity is not physically generated on site.



A large version of the above plan is available at www.fairgreen-batterystorage.co.uk/about-the-project

About RES

RES is the world's largest independent renewable energy company, working across 24 countries and active in wind, solar, battery energy storage, green hydrogen, transmission and distribution. As an industry innovator for over 40 years, RES has delivered more than 27GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 41GW worldwide for a large client base. RES is the power behind a clean energy future where everyone has access to affordable zero carbon energy. We bring together global experience, passion, and the innovation of 4,500 people to transform the way energy is generated, stored and supplied.

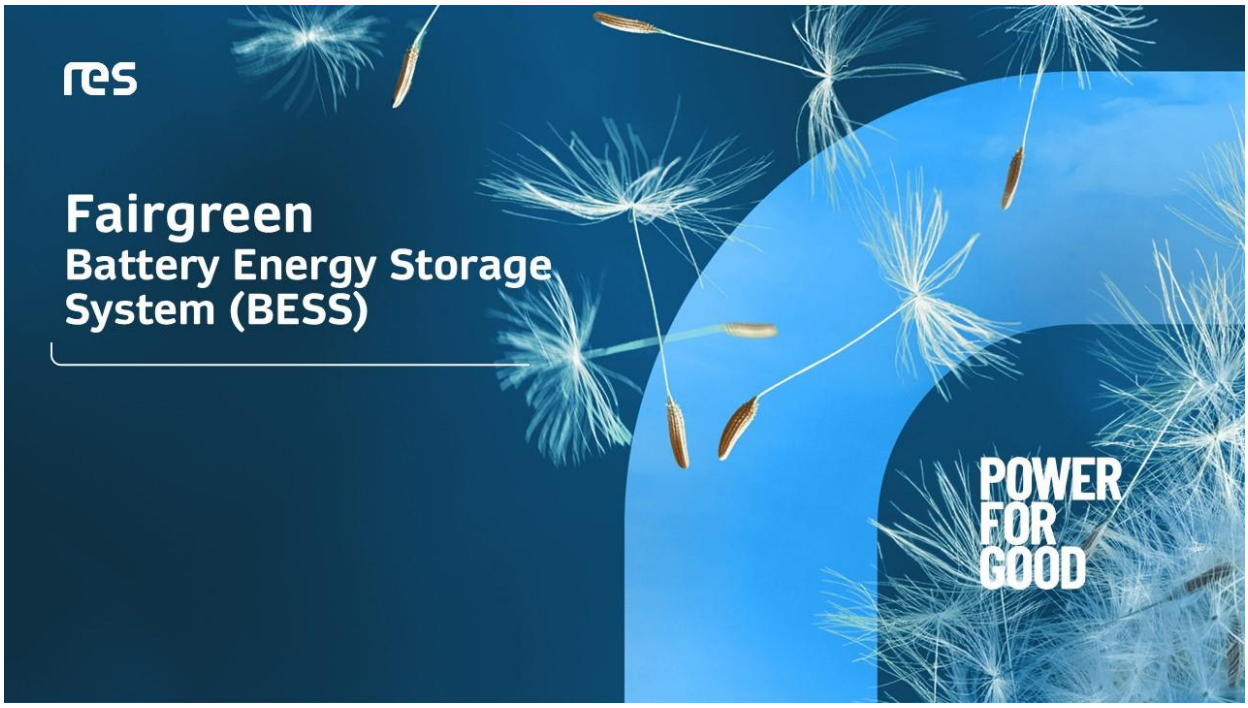
RES has been working in the BESS market for a decade and designs safe storage projects using proven Lithium iron phosphate technology. RES has developed over 830MW of energy storage projects across the UK and Ireland, including Stony Energy Storage facility, in Milton Keynes. RES also currently manage over 600MW of operational storage projects with 24/7/365 monitoring provided from our control centre in Glasgow.

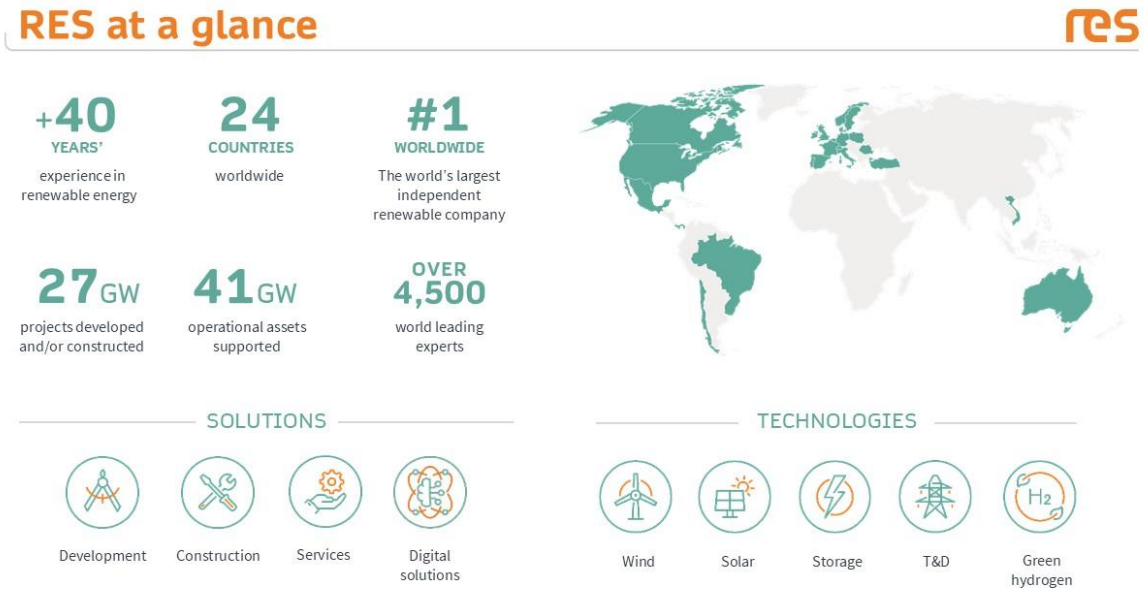
Milo Amsbury-Savage
Development Project Manager
milo.amburysavage@res-group.com
01923 299 277
RES, Beaufort Court, Egg Farm Lane, Kings Langley, WD4 8LR

For more information on the proposal please visit our project website at www.fairgreen-batterystorage.co.uk

If you require information in Braille, large text or audio, please let us know.

Appendix D – Combined meeting presentation



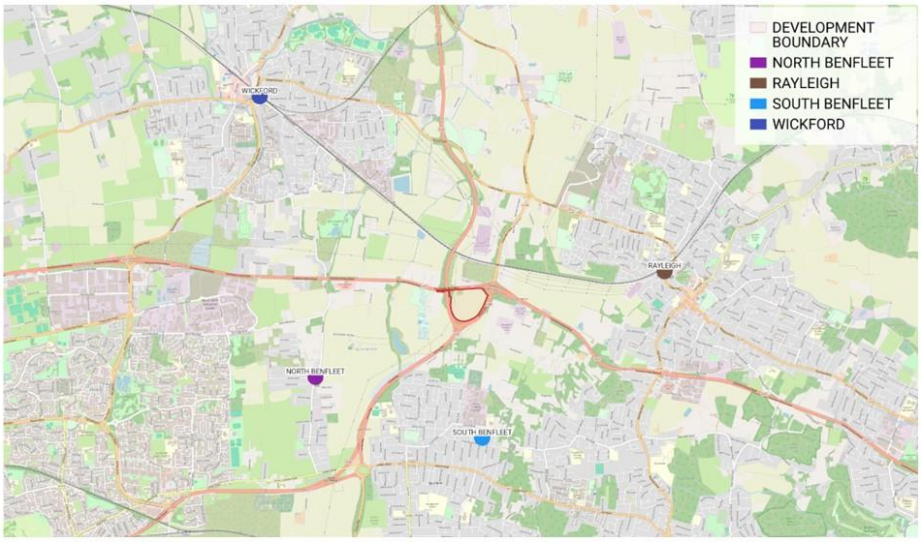


The need for energy storage

- Our energy system is in a transitionary period
- Managing the increasingly complex supply and demand needs of the 21st Century
- Crucial in enabling the rollout of zero carbon energy and supporting England's net-zero emissions target
- Fastest technology for responding to a sudden spike in demand or an abrupt loss of supply

3

Fairgreen BESS location

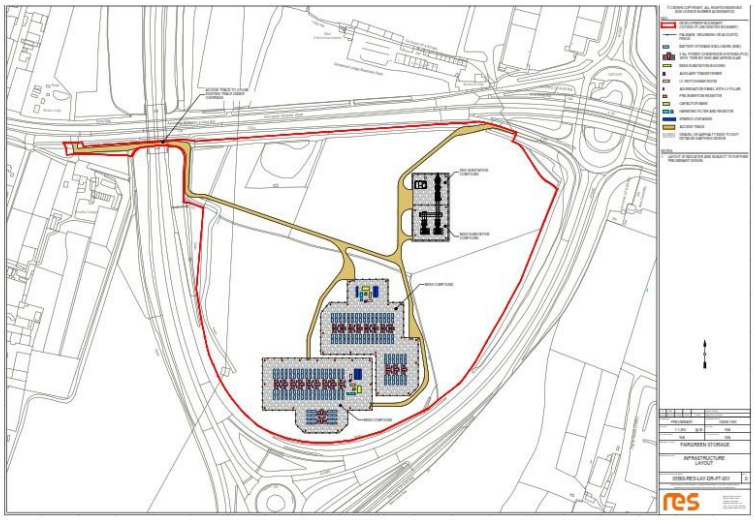


4

Project overview

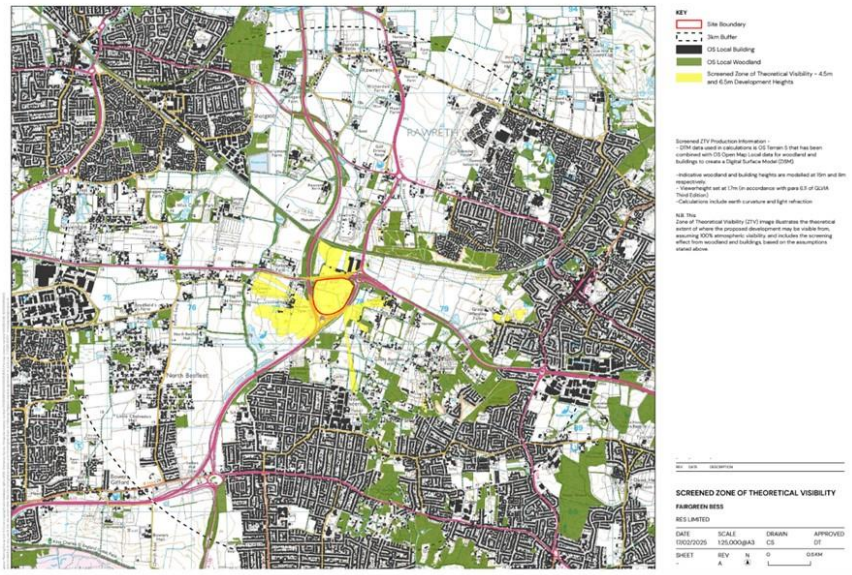
- 150MW battery storage
- Storing energy directly from the National Grid to balance peaks and troughs of demand and generation.
- Site location allows for quick reaction to energy demand
- Cable connection to Rayleigh substation, overground or underground, subject to DNO
- Public exhibition on 18 March 2025 with consultation feedback until 28 March.

Fairgreen BESS infrastructure layout



This is a preliminary layout and as such is subject to change as we refine the design

Fairgreen BESS visibility



7

Safety

- 24/7/365 monitoring
- Battery selection
- Equipment spacing
- Protection systems
- Access
- Liaison with local Fire and Rescue Service

A Power for Good

- Inward investment
- Biodiversity net gain
- Local benefit

9

Next steps

- Public consultation event on 18 March, 2-7pm – Pitsea Mount Community Association Hall
- Feedback considered
- Environmental Survey results
- Statement of Community Involvement
- Submission

10

Appendix E – Exhibition boards

Welcome to our public consultation

Thank you for taking the time to attend this public exhibition. We are seeking your views on the preliminary design for a battery energy storage proposal that we are exploring on a parcel of land at the centre of the Fairglen Interchange, between South Benfleet and Rayleigh, Essex.

We consider pre-application consultation a crucial part of the battery energy storage development process and we aim to engage early with the local community and key stakeholders in order to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we will consider when developing and refining the design and delivery of the proposal.

A range of information is shared, including details of the site location, design layout, proposed infrastructure, likely delivery route and environmental considerations.

The public exhibition forms part of our pre-application consultation and is designed to give you the opportunity to:

- learn more about the proposal
- discuss any questions or views with our project team
- provide written feedback to RES on the proposal.

Please take time to read the information provided and talk to our project team about any questions that you may have. All consultation feedback submitted to RES will be reviewed by the project team over the coming weeks as we continue the design process.

Image for illustrative purposes only.

Fairgreen Battery Energy Storage Proposal

www.fairgreen-batterystorage.co.uk

res power for good

The need for battery energy storage

The way in which we use, and generate, electricity is changing. Our electricity system is in a transitionary period to manage the increasingly complex supply and demand needs of the 21st Century, and battery energy storage systems provide an important role in this.

Battery energy storage technology supports the variable generation of renewable energy technologies by playing an important balancing and grid stability role. Battery energy storage helps support National Grid by storing energy at times when generation exceeds demand and releasing electricity back to the national grid network when demand exceeds generation.

Battery energy storage is considered the fastest technology for responding to a sudden spike in demand or an abrupt loss of supply.

Battery energy storage can also provide grid stability (frequency of the grid) services on a second-by-second basis as well as providing additional network capacity, particularly at times of network stress.

Battery energy storage is essential to enabling and accelerating the rollout of zero carbon energy. Increasing its installed capacity will be vital to support England's net-zero emissions target and help to deliver a reliable, resilient, decarbonised electricity system for the future.

RES has been working in the battery energy storage market for a decade and design safe storage projects using proven Lithium iron phosphate technology. RES has developed over 830MW of energy storage projects across the UK and Ireland and currently manage over 600MW of operational storage projects with 24/7/365 monitoring provided from our control centre in Glasgow.

Image for illustrative purposes only.

Fairgreen Battery Energy Storage Proposal
www.fairgreen-batterystorage.co.uk

res
power for good

Project overview

The proposed Fairgreen battery energy storage site is located on a parcel of land at the centre of the Fairglen Interchange, between South Benfleet and Rayleigh in Essex.

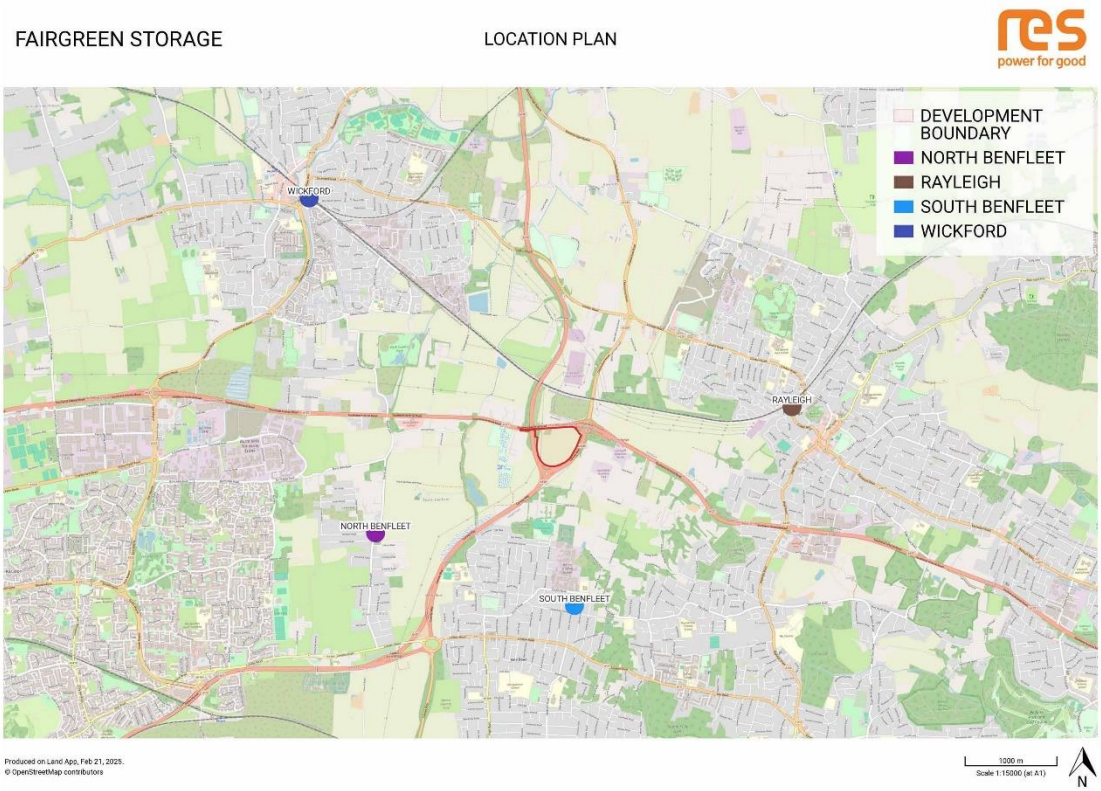
The site is not expected to exceed 12 hectares including the site tracks and surface water management measures.

The site has been chosen due to its proximity to the Rayleigh substation, and if consented would connect directly into this substation.

The Fairgreen proposal will be capable of providing up to 150MW of storage capacity. That's the equivalent of fully charging around 6,000 electric vehicles.

The Fairgreen proposal will be submitted by RES to Basildon Council planning department. We currently expect to submit the application later this year.

We have undertaken initial site feasibility work and we are are in the process of conducting detailed environmental and technical site survey work which will help inform the design. In line with this, we have submitted an Environmental Impact Assessment screening request to Basildon Council.



We are still consulting on the development boundary and as such, it is subject to change.

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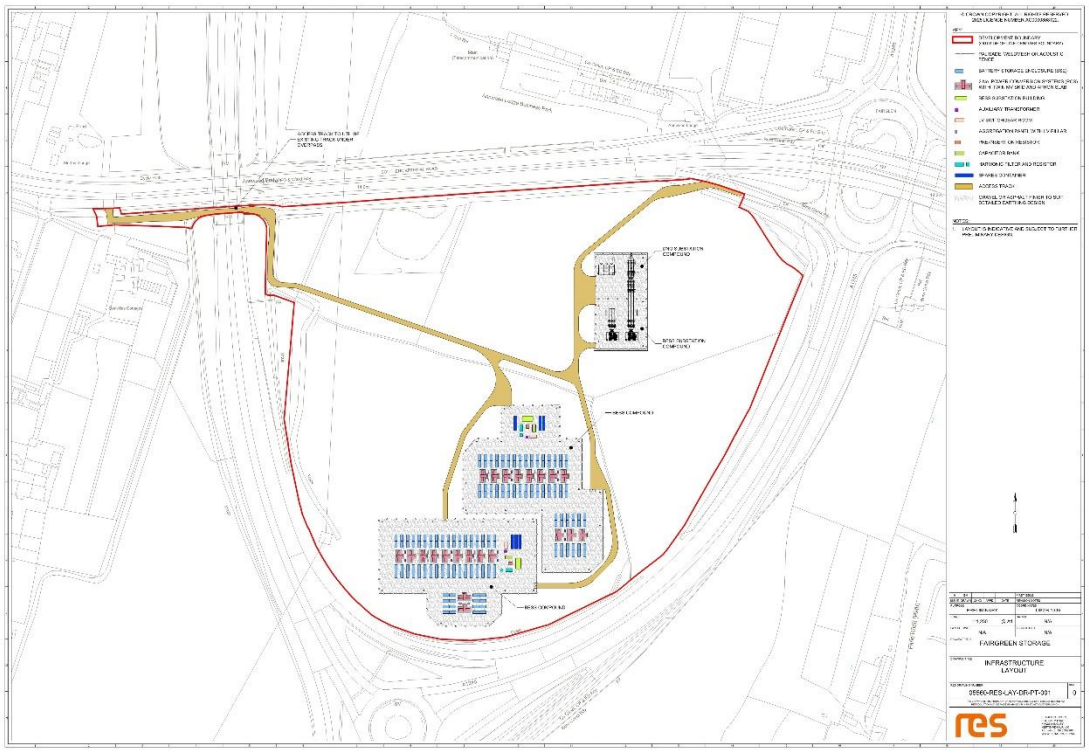
Infrastructure and layout

The plan below shows the preliminary layout for the Fairgreen Energy Storage project.



We are still consulting on the layout and as such, it is subject to change

The proposed system is a containerised scheme, involving proven Lithium iron phosphate (LFP) battery technology which RES has deployed at multiple projects around the world.

The site would comprise of approximately 176 battery containers. The typical dimensions of the battery containers are 6.1 metres long by 2.4m wide by 2.9 metres high.

The tallest infrastructure is expected to be the DNO substation which would have a maximum height of around 7 metres.

The infrastructure would include:

- Battery enclosures
- Power Conversion Systems and Transformers
- DNO Substation & grid infrastructure
- BESS Substation
- Auxiliary Transformer
- Grid Compliance Equipment
- Grid Connection Infrastructure
- Security System
- Landscaping
- Drainage Scheme

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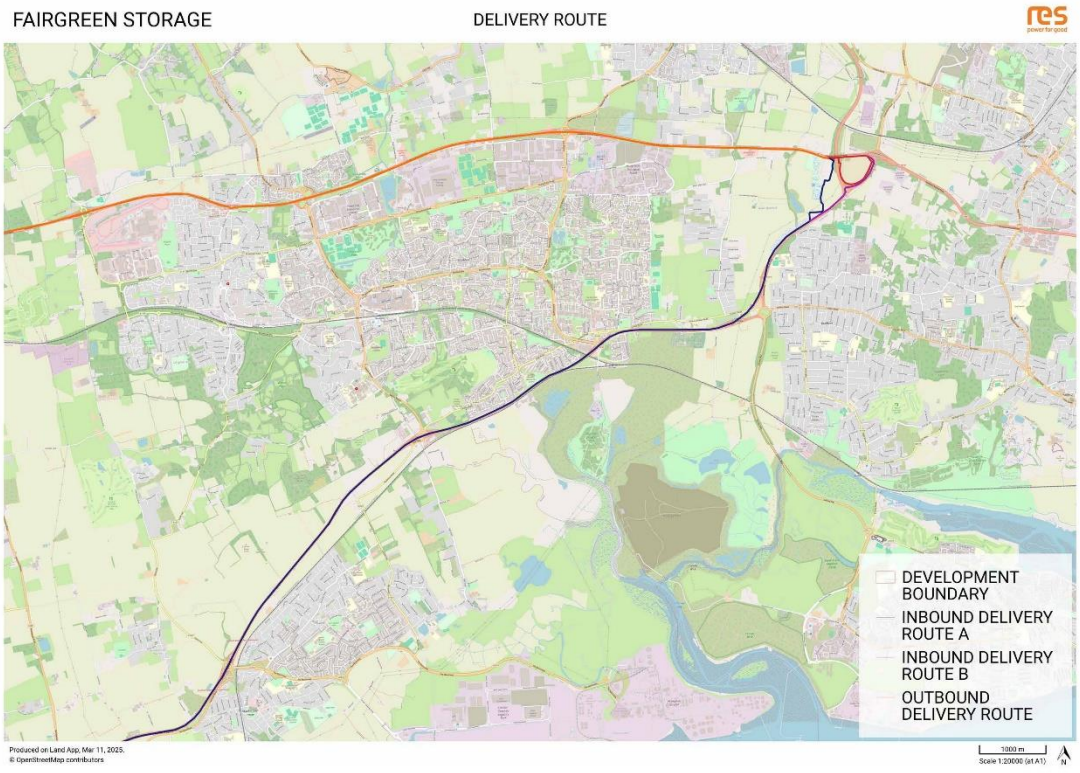
Traffic and access

Component and material deliveries are a key phase in the construction of any battery energy storage project.

Safety is the key consideration and we will be undertaking a detailed analysis of the delivery route, as well as careful assessment of the site access points. The preferred access points and delivery route are shown on the map below

Throughout the construction phase there will be a combination of HGVs (for the component and material deliveries) and cars/vans (for construction staff), on site. Typically, there is peak HGV movements during the first weeks of construction whilst car/van movements are expected to be constant throughout.

A Transport Statement will accompany the planning application, which outlines the overall framework for managing the safe movement of construction and delivery traffic. The Transport Statement will also itemise the estimated number of deliveries over an approximate 18 month construction period, if the project is consented, the indicative spread of these vehicle movements during the construction phase, and expected timing restrictions.



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Environmental considerations

RES will design the battery energy storage system so that it will fit sensitively in the surrounding landscape.

A number of surveys and assessments are being carried out to ensure any potential impact upon the environment, landscape, heritage and local residents is appropriately assessed and mitigated. Any potential cumulative impact, with other developments in the area, will also be assessed

The assessments to be carried out will include:

Ecology

A Preliminary Ecological Appraisal will present the main findings of a desk study and walkover survey, categorising baseline habitats and conditions and their nature conservation value and predicting any potential ecological impacts from the project.

Acoustics

Noise is an important consideration, and the battery energy storage system will be designed to comply with strict noise limits set by the determining authority should the project be granted consent. The scope of the acoustic assessment includes determining the baseline background sound levels and predicting sound levels from the project in order to assess the level of potential impact, in accordance with relevant planning guidance.

Flood risk & surface water management

Detailed design and flood modelling is being undertaken to minimise increased flood risk anywhere on or off site. A Flood Risk and Drainage Impact Assessment will accompany the planning application which will also set out any proposed surface water drainage solution.

Landscape

A Landscape and Visual Appraisal (LVA) considers the site and its surrounding context in both landscape and visual terms, to assess the potential effects of the proposed battery energy storage system upon landscape features, landscape character and visual amenity.

Heritage & Archaeology

This assessment sets out the cultural heritage baseline of the site as well as assessing the site's archaeological potential. It will assess the potential effects of the project on the cultural heritage resource, within the context of relevant legislation and planning policy, and determine, should any predicted adverse effects be identified, how these effects can be mitigated.

Image for illustrative purposes only.

Landscaping and biodiversity enhancement

The Fairgreen project is being specifically designed to include comprehensive landscaping measures to reduce potential visibility of the scheme.

A landscaping plan will form part of the planning application and will set out new planting measures which would provide visual screening of the project. We aim to retain all existing hedgerow and woodland, where possible, and could include new hedgerow, shrub and woodland planting. Planting may be atop soil bunds to provide additional height.

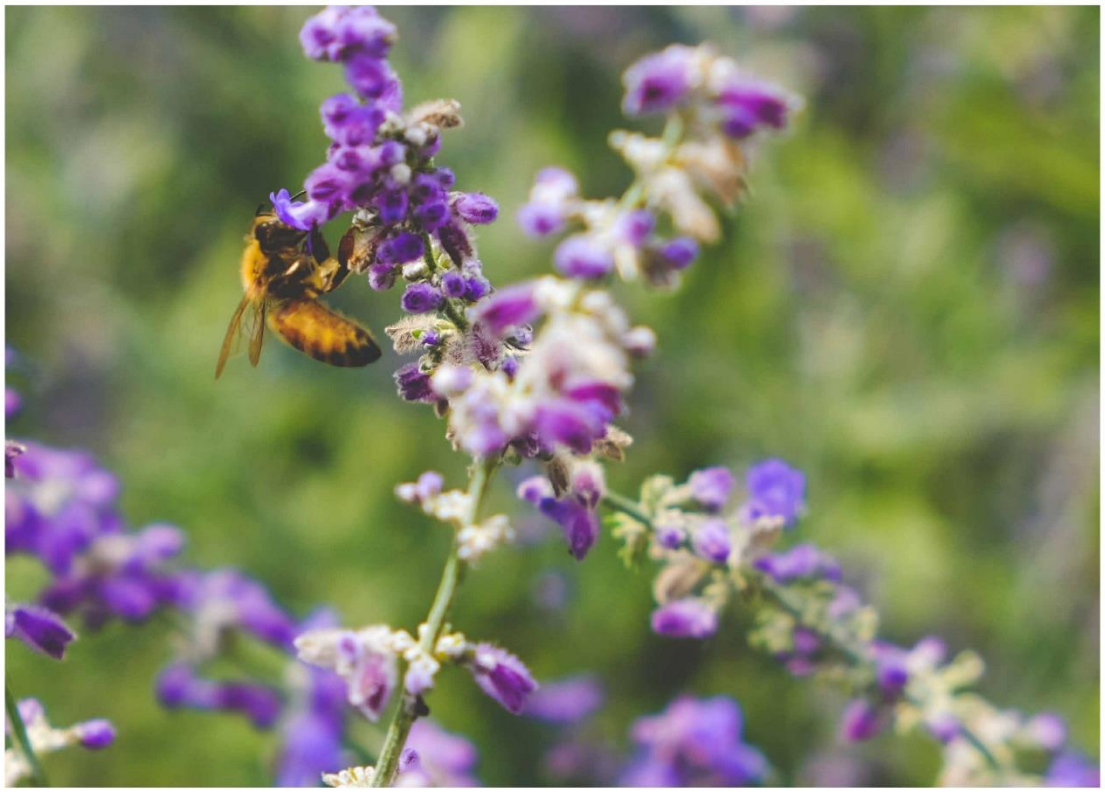
The landscaping plan will also provide information on the timings and aftercare regime for all planting.

As with all RES developments, our goal is to deliver a biodiversity net gain as part of the development.

We aim to retain all existing hedgerow and woodland, where possible, and create new hedgerow and woodland to benefit a range of local species.

Areas around the compound are typically sown with a wildflower meadow mix and riparian woodland planted around any surface water and drainage systems.

Where appropriate we would also introduce bird, bat and reptile housing.



Our approach to safety

At RES, safety is of the utmost importance.

Our ambition is to continue to lead the market in delivering best-in-class health and safety performance, as we simultaneously look to the future in developing a zero-harm culture.

Health and safety is woven into every aspect of RES' battery energy storage systems. The Fairgreen project will be developed to address and mitigate against the risk of fire ignition and propagation, in a number of ways.

Monitoring and Remote Access

Unlike electric cars and scooters, for example, RES-managed battery energy storage systems are constantly monitored from our 24/7/365 control centre. Some controls can also be safely operated remotely from our control centre, such as the shutting down of an individual battery rack or the entire battery energy storage system, if required.

Battery Selection

The proposed battery technology for the development is anticipated to be lithium iron phosphate (LFP). LFP has better stability against thermal runaway at higher temperatures compared to some other battery chemistries. All batteries must be tested and certified to an industry standard (UL9540A), demonstrating resistance to thermal runaway, and which ensures there is no likelihood of explosion, with any fire contained within the affected battery rack.

Equipment Spacing

The site will be developed to include adequate spacing between the battery storage enclosures (BSE) to mitigate against the risk of fire spread in the event of a fire within one BSE.

Protection Systems

Each BSE will have a dedicated fire protection system, comprising flammable gas detection and venting, fire detection and alarm, and an automatic fire suppression system.

Access to Battery Enclosure and for Emergency Services

All battery enclosures will be accessed via external doors only. The fenced compound will have a wide access route allowed by provision of access corridors around the blocks of enclosures, allowing the fire service to access the site in the unlikely event of an incident. In addition, two site access points will be proposed to the battery energy storage compound.

We have already reached out to Essex Fire and Rescue Service to share our design at this early stage in the development process and a Fire Risk Statement will accompany any planning application.

Image for illustrative purposes only.

Have your say

We believe in meaningful and effective consultation.

The aims of our consultation process are to:

- Engage early with the local community to facilitate a constructive consultation process to help identify and understand concerns.
- Assist the local community in understanding the benefits and potential impacts of the proposed battery energy storage system.
- Add value and improve the quality of our proposal through meaningful and productive consultation.

At this stage we are inviting the local community to submit comments directly to RES.

If an application is submitted there will be the opportunity to submit representations to the determining Planning Authority at that time.

Before we submit a planning application, we will create a Statement of Community Involvement (SCI), that documents the community engagement process and any steps we have taken to adapt our proposal.

We are keen to understand your views on the proposal and the information available at this exhibition.

Please take a few minutes to fill out a feedback form with your comments.

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The world's largest independent renewable energy company

RES is the world's largest independent renewable energy company, working across 24 countries and active in wind, solar, energy storage, green hydrogen, transmission and distribution. As an industry innovator for over 40 years, RES has delivered more than 27GW of renewable energy projects across the globe and supports an operational asset portfolio exceeding 41GW worldwide for a large client base.

RES is the power behind a clean energy future where everyone has access to affordable zero carbon energy. We bring together global experience, passion, and the innovation of 4,500 people to transform the way energy is generated, stored, and supplied.

Find out more at res-group.com

RES in England

With its global headquarters in Hertfordshire, RES has been playing a pivotal role in providing England with renewable energy since the early 1980s. RES is a privately-owned company with a proud history in England and the UK. We grew out of Sir Robert McAlpine, a British family-owned firm with over 140 years' experience in construction and engineering.

RES has been working in the battery energy storage market for a decade and design safe storage projects using proven Lithium iron phosphate technology. Across the UK and Ireland, RES has developed over 830MW of battery energy storage projects, and we currently manage over 600MW of operational storage projects with 24/7/365 monitoring provided from our control centre in Glasgow.

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Appendix F – Feedback comment form

Fairgreen Battery Storage System Proposal
Comment Form

RES believes in meaningful and productive consultation, and we aim to engage early with the local community and key stakeholders to facilitate constructive consultation. This helps to identify issues and concerns, as well as benefits and opportunities, which we can then consider when developing the design of the proposal.

Feedback from the local community is important at this stage of our pre-application consultation when it can have a direct influence on the final design of the project, and we would be grateful if you could take the time to fill out this comment form with your feedback.

Please provide feedback by **Friday 28 March**. Comments will still be accepted after this date but may not be considered in relation to the design development.

Please note that comments submitted to RES at this time are not representations to the determining authority (Basildon Council). There will be an opportunity to submit representations to the determining authority should an application be made.

1 Fairgreen Battery Energy Storage System (BESS) Public Exhibition

1.1 How did you find out about our public exhibition?

- ☐ Newsletter through the door
- ☐ Advert in local newspaper
- ☐ Project website – www.fairgreen-batterystorage.co.uk
- ☐ Word of mouth
- ☐ Other (please specify)

1.2 Before visiting the exhibition how would you describe your knowledge of the proposed Fairgreen BESS?

- ☐ Knew a lot
- ☐ Knew quite a lot
- ☐ Knew a little
- ☐ Knew very little
- ☐ Knew nothing at all

Fairgreen Battery Storage System Proposal
Comment Form

1.3 Having visited the exhibition, to what extent do you feel you have increased your understanding of the proposed Fairgreen BESS?

- ☐ A lot
- ☐ Quite a lot
- ☐ A little
- ☐ Very little
- ☐ Not at all

1.4 What part of the public exhibition did you find most useful?

- ☐ Exhibition information boards
- ☐ Ability to ask RES questions
- ☐ Other (please specify)

1.5 Do you have any suggestions for ways in which we could have improved our exhibition?

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Fairgreen Battery Storage System Proposal
Comment Form

2 Fairgreen BESS Proposal

Your views on the Fairgreen BESS proposal – particularly the preliminary layout of the project where people's comments can have a direct influence – will be considered in relation to the design development of the project.

2.1 How do you feel in general about the Fairgreen BESS proposal?

- ☐ I am supportive
- ☐ I am neutral
- ☐ I am opposed

Further comments:

2.2 What do you think about the proposed preliminary layout of the Fairgreen BESS?

- ☐ I am happy with the proposed layout
- ☐ I am neutral towards the proposed layout
- ☐ I have concerns about the proposed layout (please provide further details below)
- ☐ I don't like BESS' in general

Further comments:

2.3 Please provide us with any further suggestions or comments regarding the proposed Fairgreen BESS.

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Fairgreen Battery Storage System Proposal
Comment Form

3 Local Benefits

3.1 RES believe our projects should deliver meaningful local benefit.

We welcome feedback and ideas for local benefits and priority projects that you would like to see supported or delivered in your community from the Fairgreen BESS, should it receive consent. Some examples from communities that we've worked with include:

- improvements to village halls,
- sports team sponsorship,
- funding for schools and local community groups
- community defibrillators
- improvements to local footpaths and/or signage.

If you have any suggestions for such benefits the project may be able to support, please let us know in the box below.

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Fairgreen Battery Storage System Proposal
Comment Form

4 Climate Change, Energy Security and Renewables

The below section is optional and designed to help us understand people's thoughts on how renewables can help to tackle climate change and improve energy security.

4.1 Do you agree or disagree that we are facing a global climate change emergency?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

4.2 Do you agree or disagree that generating electricity from renewable sources, and reducing our reliance on fossil fuels, can help towards tackling the issue of climate change?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

4.3 Do you agree or disagree that generating electricity from renewable sources will provide greater energy independence and security for England?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

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Comment Form

4.4 Do you agree or disagree that we need to develop BESS projects to create a more stable and secure electricity system, supporting the rollout of zero carbon energy?

- ☐ I strongly agree
- ☐ I agree
- ☐ I don't know
- ☐ I disagree
- ☐ I strongly disagree

Further comments:

5 Your details

Please provide your name and contact details below in order to authenticate this comments form. Providing this information gives context to your feedback, facilitates a better understanding of community views and priorities, and enables us to respond to any questions raised. However, if you are not comfortable providing us with your full contact details, please include your postcode as a minimum.

Your contact details will be treated by RES with the strictest of confidence, in line with the General Data Protection Regulations (GDPR) 2018. We may at times share your contact details, in confidence, with third parties who we employ to help process your comments or update you on the project and by providing your details below you consent to this. You may write to RES at any time to ask that your contact details be removed from our records and from any third parties we work with.

Name	
Email	
Address	
Postcode*	

If you would like to be kept up to date with the project, please tick this box ☐

When you have completed the comment form, please hand it in at the welcome desk. Comment forms are also available to complete and submit online at www.fairgreen-batterystorage.co.uk.

Forms may also be sent by post to: Fairgreen project team, RES, Beaufort Court, Egg Farm Ln, Kings Langley WD4 8LR

Thank you for taking the time to complete this comment form, your feedback is important to us.