

WELCOME

BSR Energy (BSR) would like to put forward a proposal for a new battery storage development on Land at Frog Lane. The site is located in the small town of Tadley, which is located around six miles north of Basingstoke, Hampshire. The proposal represents an important opportunity to boost green energy storage in the local area.



We are in the midst of a climate emergency. The most recent report from the Intergovernmental Panel on Climate Change outlines that immediate action must be taken to avoid irreparable climate breakdown. Battery Storage developments, such as the one proposed on Land at Frog Lane are an important part of the solution.

Basingstoke & Deane Borough Council also declared a Climate Emergency in September 2019, which was followed by the publication of its Horizon 2050 vision. This plan, set out by residents, businesses, and key partners, highlights a desire to reduce carbon emissions and the use of fossil fuels.

BSR is dedicated to being part of the solution and the change towards renewable energy sources in the UK. The impacts of climate change are already evident, with record-breaking temperatures and drought declarations becoming increasingly common. The time to act and mitigate further damage to our planet is now.

National Grid forecast that up to 31GW of total storage could be needed by 2030, increasing to 72GW by 2050. The UK has just over 7GW of storage currently operational or under construction, demonstrating a clear requirement for the acceleration of battery storage development across the UK. (Figures from National Grid's Future Energy Scenarios Report, July 2023).

The site can import and export 115MW of power, helping to balance the grid. This means when there is an excess of cheaper power, usually during events such as high winds or solar peaks, this can be stored for later use. The power is then exported during times of higher demand, ensuring older/less efficient generation isn't required to meet the grid's requirements. This allows a greater proportion of renewable energy to be used, and ensures generators operate for longer at their peak efficiency. Even taking into consideration other similar proposals coming forward in the area, there is a vital need for more of this type of energy storage to be developed, to ensure that no energy goes to waste.

We want to work with you as the local community to ensure we are delivering a project that works for everyone. Your feedback and questions are very welcome, so please feel free to speak to a member of our team today or at any point afterwards by phone or email.



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THE PROPOSAL

BSR Energy's proposal for Land at Frog Lane would deliver the following:

- A battery storage site which will store 115MW of energy, which will ensure that when energy generated is surplus to grid requirements, this energy is not wasted and will be available for future use, when needs may exceed power generation.
- At least a minimum of 60% increase in Biodiversity Net Gain, meeting and exceeding the 10% target as outlined in the Environment Act 2021.
- BSR will ensure that habitats on site are retained and managed. Suitable mitigation strategies will be taken to ensure that there is no detrimental impact to localised wildlife.
- On this site, we will ensure that improvements are made to existing habitats, as well as the creation of new habitats to enhance biodiversity on site.
- An important part of ensuring the energy independence of the United Kingdom and working towards fulfilling the Government's net zero targets by 2050.

BSR selects sites for battery storage development based on where there is a viable grid connection nearby. BSR would always seek to select land of a low agricultural grade near to these connections, where these are available. The Land at Frog Lane is currently agricultural land but 66.7% is Grade 3b which is not considered to be land which is Best and Most Versatile, the remaining amount is subgrade 3a, therefore the proposed development will not lead to the permanent loss of the Best and Most Versatile agricultural land.

The development of battery storage in this location will allow the local farmer the opportunity for a guaranteed, stable income, compared to farming the land, supporting the farm's wider activities. The proposed battery storage facility would have an operational lifespan of 35 years, after which the development would be decommissioned, and the land would be returned to agricultural use.

The below site layout plan indicates the proposed location for the battery storage and associated cabling.



LEGEND

- Site
- Public Right of Way (PRoW)
- Desire line of Public Right of Way (PRoW) on the ground
- Existing trees and vegetation (Showing canopy extents)
- Species Rich Grassland - Emorsgate EM10 'Tussock Meadow Mixture' - Sown at 4g/m² (9370m²)
- Wildflower Grassland - Emorsgate EM2 'General Purposed Meadow Mix' - Sown at 4g/m² (1359m²)
- PROPOSED HEDGEROW (520m)
To be maintained at a minimum height of 3 to 4m

Species	Common name	Mix %
<i>Acer campestre</i>	Field Maple	10
<i>Cornus sanguinea</i>	Dogwood	10
<i>Corylus avellana</i>	Hazel	10
<i>Crataegus monogyna</i>	Hawthorn	30
<i>Euonymus europaeus</i>	Spindle	5
<i>Ilex aquifolium</i>	Holly	8
<i>Ligustrum vulgare</i>	Wild Privet	5
<i>Prunus spinosa</i>	Blackthorn	15
<i>Rhamnus catharticus</i>	Buckthorn	5
<i>Viburnum opulus</i>	Guelder Rose	2

Species	Common name	Mix %
<i>Acer campestre</i>	Field Maple	10
<i>Alnus glutinosa</i>	Alder	10
<i>Betula pendula</i>	Silver birch	10
<i>Betula pubescens</i>	Downy birch	10
<i>Cornus sanguinea</i>	Dogwood	10
<i>Corylus avellana</i>	Hazel	10
<i>Crataegus monogyna</i>	Hawthorn	10
<i>Ilex aquifolium</i>	Holly	10
<i>Quercus robur</i>	Oak	10
<i>Sambucus nigra</i>	Elder	10

	Fence
	Spares and Comms Container
	AUX LV Switch Room
	Client Switchgear
	HV Substation 132KV
	BESS Inverter
	Site Access Gate
	CCTV Camera



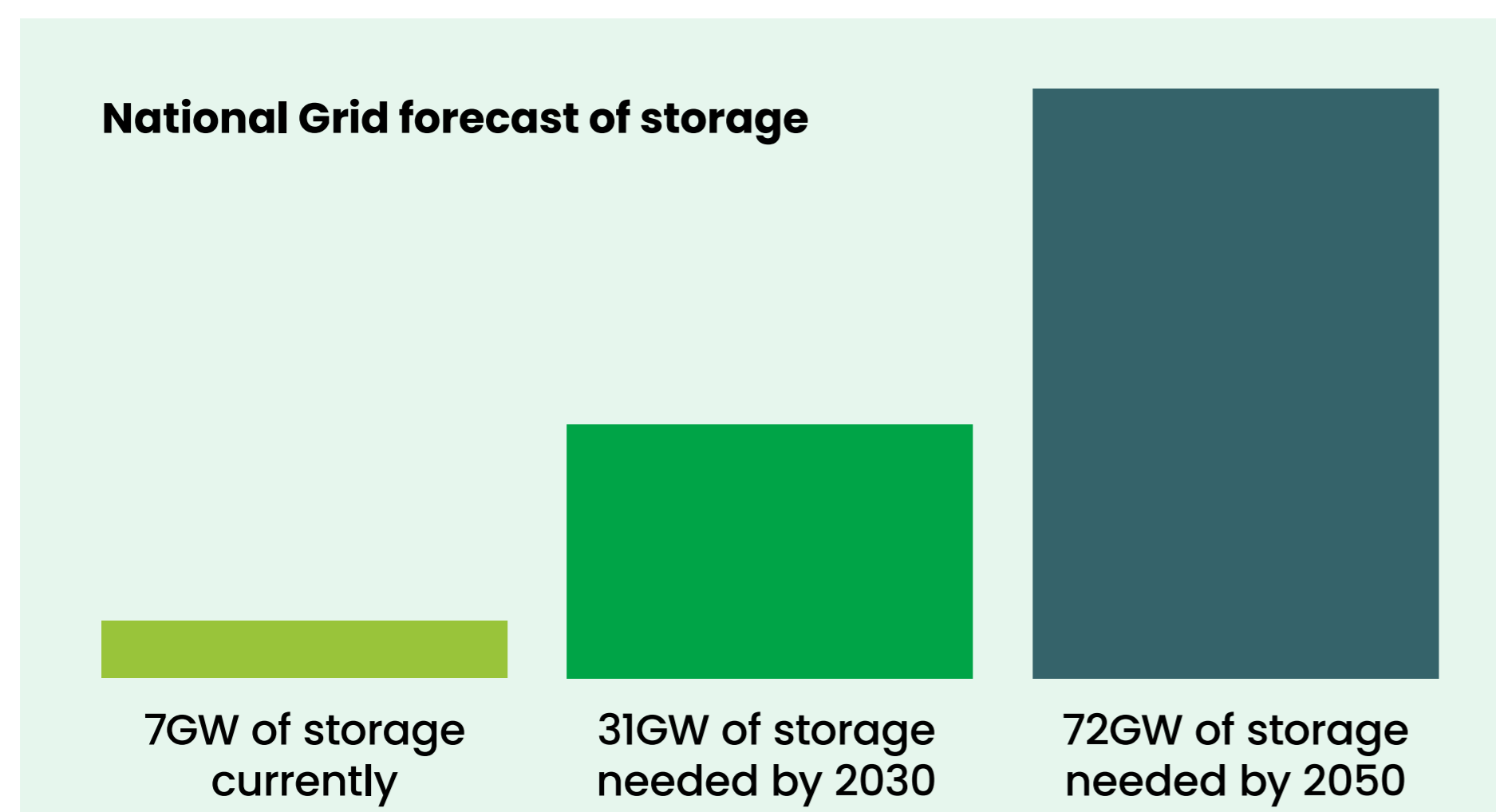
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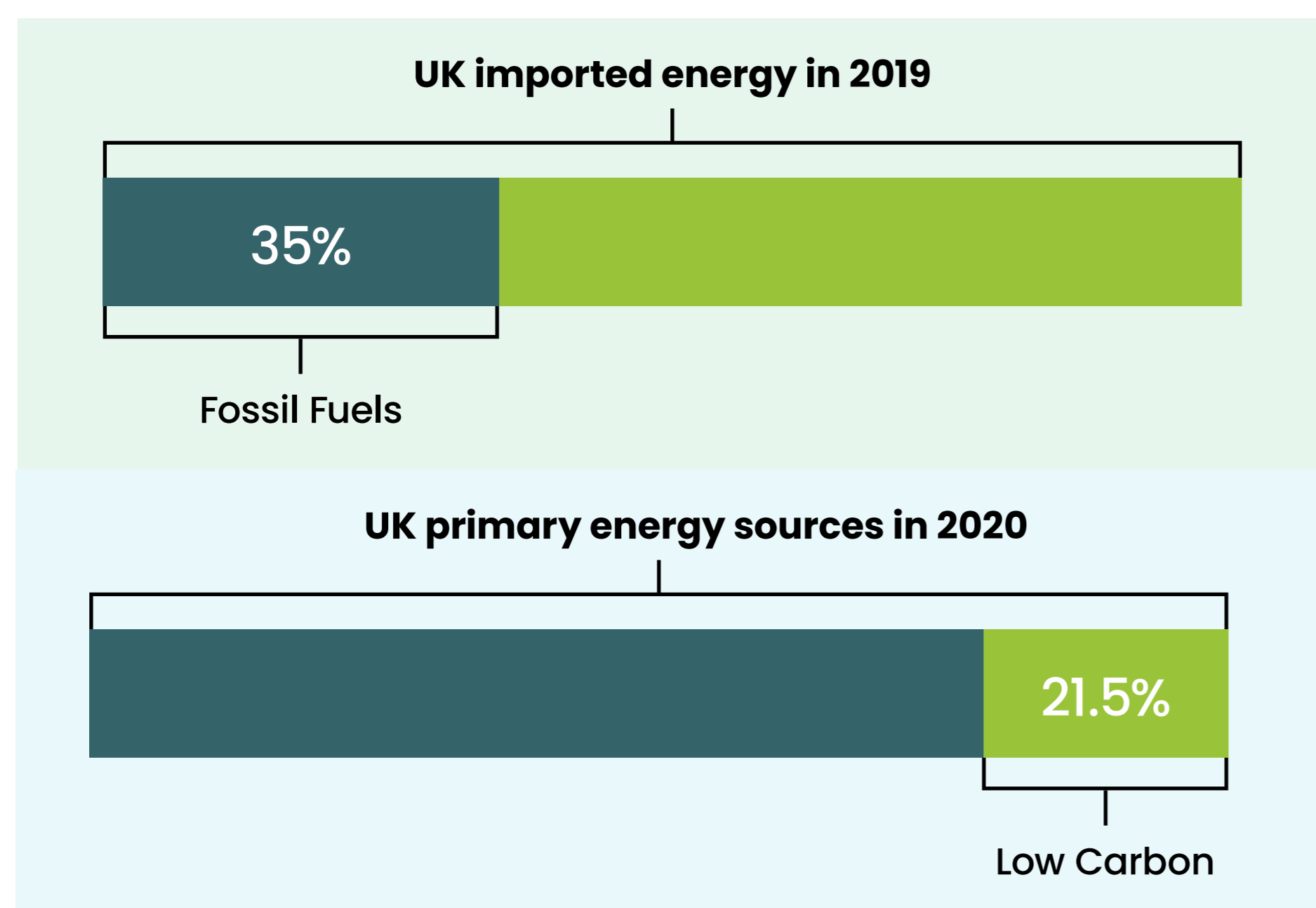
BENEFITS/NEEDS CASE

Battery storage facilities, such as the one proposed, play a crucial role in supporting the United Kingdom's energy independence by storing any excess energy generated so that this does not go to waste, and can then be drawn from in periods of high demand. This approach ensures that the UK is fully capitalising on its existing energy resources, which will contribute towards meeting government-set objectives, including its target of achieving Net-Zero emissions by 2050, as well as the COP26 targets for keeping the global temperature rise below 1.5° C.



Figures from National Grid's Future Energy Scenarios Report, July 2023

In addition to needing to take action against climate change, the current cost of living crisis and the need to improve the UK's energy security are significant considerations in the delivery of projects of this nature. The creation of renewable and local energy sources will be vital in bringing down energy costs and ensuring the UK's energy independence.



Source: UK Energy in Brief 2021. Dept for Business, Energy & Industrial Strategy

By supporting renewable energy schemes, such as the development on Land at Frog Lane, we are taking an important step in the right direction which will also help ensure a secure and stable supply of electricity for the United Kingdom going forward.

The key benefits of our proposal include:

- Allowing for a significant opportunity for green energy storage in Basingstoke and Deane to help meet key Net Zero targets.
- Ensure a secure and stable supply of electricity to help meet the Government's target of Net Zero by 2050.
- Support existing biodiversity to thrive on the site. Improvements in the condition of existing habitats and creation of new habitats to enhance biodiversity on site.
- Provide a minimum increase of 60% in Biodiversity Net Gain, which far exceeds the 10% target outlined in the Environment Act 2021.
- Allow the land to be returned to agricultural use following decommissioning with an operational lifespan of 35 years.
- The creation of a community benefit fund that would hold up to £115,000.

Community Benefit Fund

BSR would create a fund that would hold up to £115,000 which would directly benefit local residents, and would be available once the battery storage is commissioned and connected to the National Grid. The fund would be held by a specialist partner / fund manager and would be ring fenced for the communities that would be the most impacted. At this early stage, BSR is still exploring options for the management of this fund. BSR is supportive of a representative from the local community being part of this process.



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FIRE SAFETY

In light of the new guidance from the National Fire Chiefs Council (NFCC), BSR has taken proactive steps to update its initial designs to reflect the changes.

The overall changes from the NFCC which BSR is now implementing across its proposals are:

- A comprehensive risk management process undertaken by BESS operators, identifying specific hazards and risks, and developing, implementing, maintaining, and reviewing risk controls.
- A robust Emergency Response Plan.
- A minimum of 6 meters between units to act as a fire barrier.
- Sufficient water supply to deal with a potential fire safely and effectively, with mitigations

to the environmental impact of any run-off. Local fire and rescue services would be consulted regarding water volumes and flow rates.

- A combination of fire suppression systems will be implemented, drawing from lessons learned in the wider industry.

BSR engaged in a pre-application consultation with Hampshire and Isle of Wight Fire Service in November 2023. We have taken on board the feedback given and this has been fed into our design, we intend to continue to liaise with the service throughout the process.

BSR is also exploring additional mitigations following an initial discussion with the Parish Council and is committed to an ongoing review of fire safety precautions.

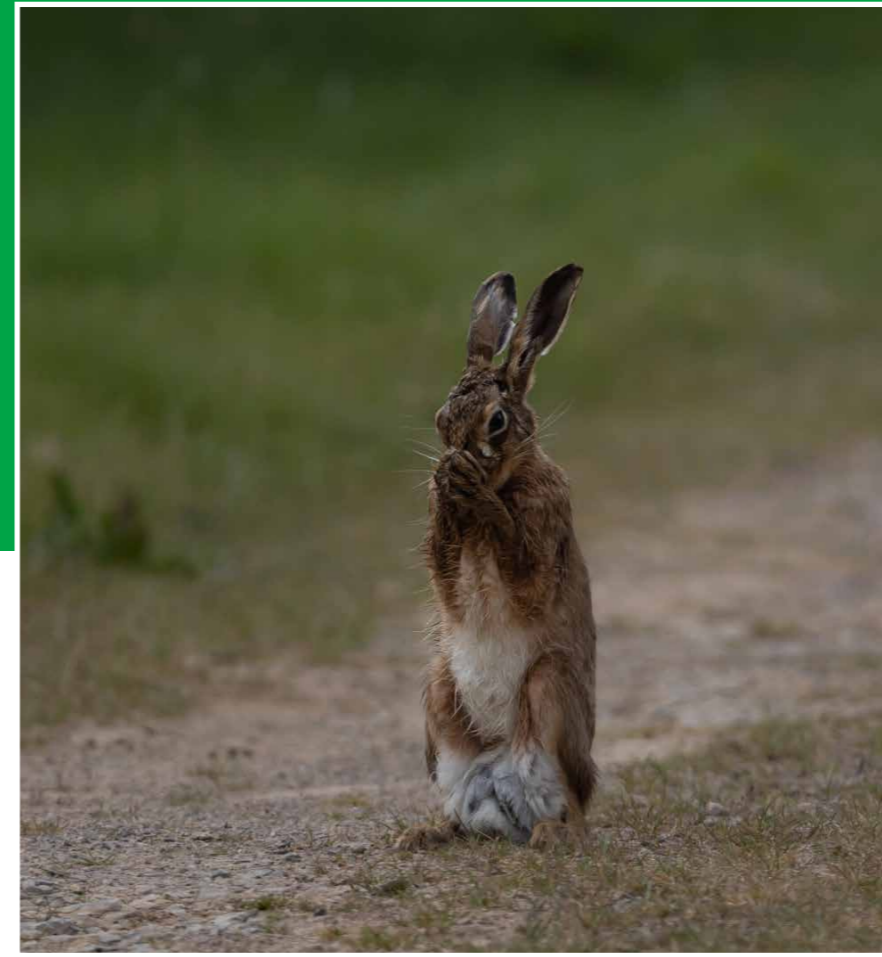


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BIODIVERSITY



The proposals will deliver the following biodiversity benefits:

- The proposed battery storage development's operational lifespan would be 35 years, meaning that, following the decommissioning, the land can be returned to agricultural use.
- **On this site we will reach at least a minimum of 60% increase in Biodiversity Net Gain, not only meeting, but far exceeding the 10% target as outlined in the Environment Act 2021.** As part of this, existing habitats on site will be retained and managed, to ensure that there is no detrimental impact on the existing condition of the habitat over the lifespan of the development.
- On this site, we will ensure that improvements are made to existing habitats, as well as the creation of new habitats to enhance biodiversity on site. This will include:
 - Planting of hedgerow and trees along the northern boundary to block views of the facility from the north.
 - Planting of night-scented flowers that will help attract night-flying insects.
 - Retention and infilling of existing vegetation, hedgerows and treelines to screen views from the Public Right of Way (PRoW) through the site and to enhance wildlife corridors.
 - Introducing species rich grassland and wildflower grassland throughout the site to encourage and enhance biodiversity.
 - The creation and erection of insect hotels, bat boxes and log piles to provide a variety of habitat enhancements.
 - The creation and ongoing management of Skylark plots.

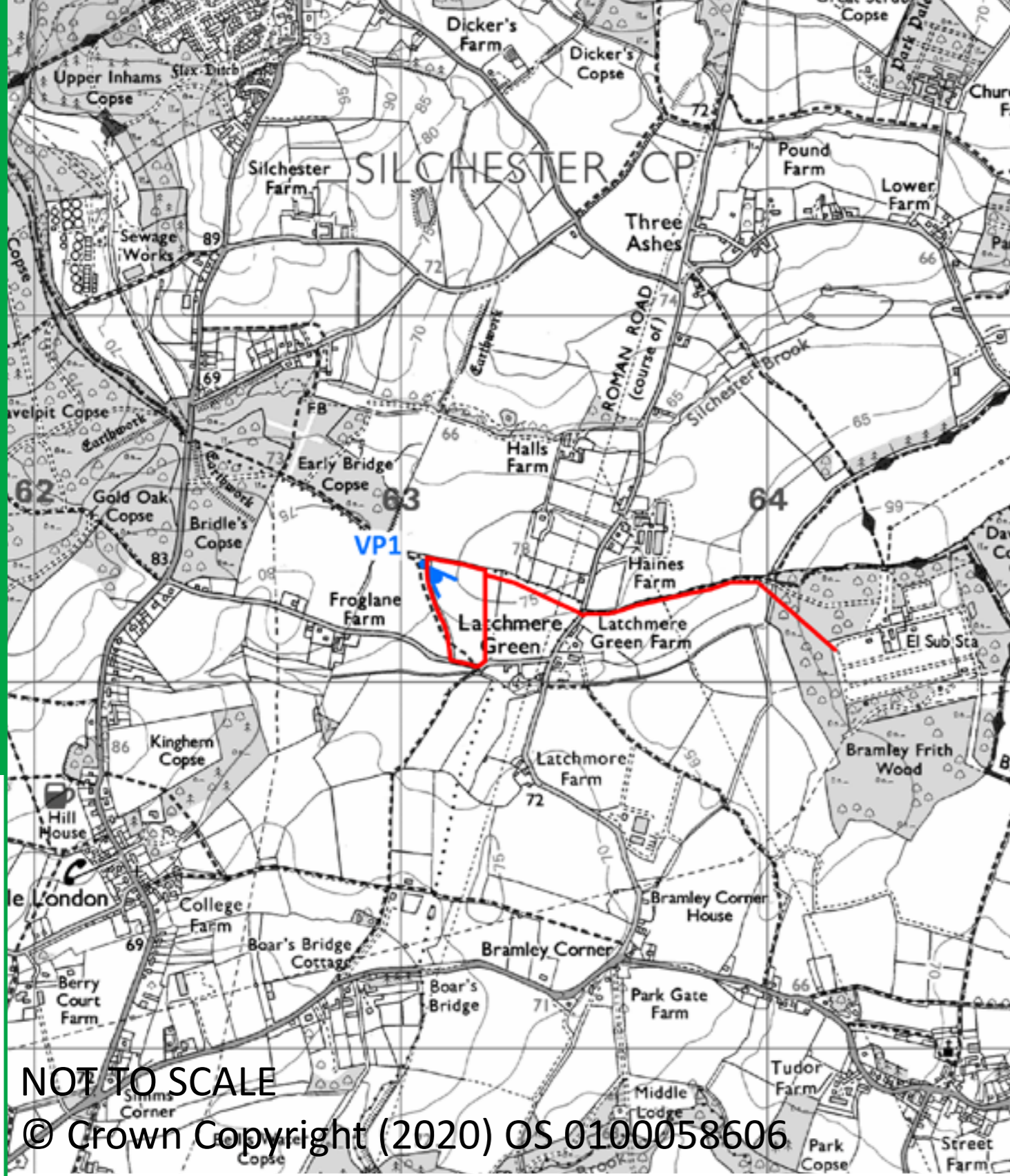


VIEWPOINT 1: PROW 186/35/1 LOOKING SOUTH EAST TOWARDS THE SITE

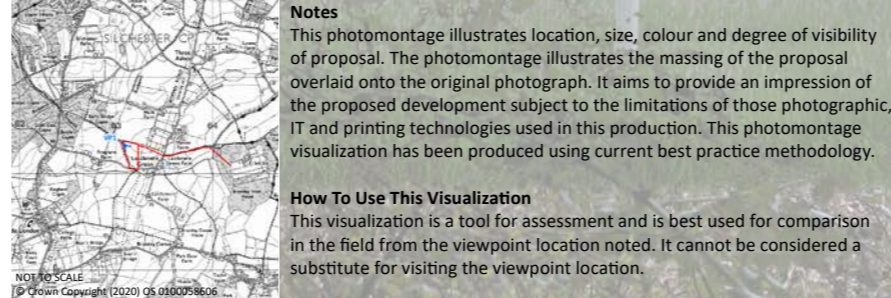


EXISTING VIEW (TYPE 1)
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Present day



NOT TO SCALE
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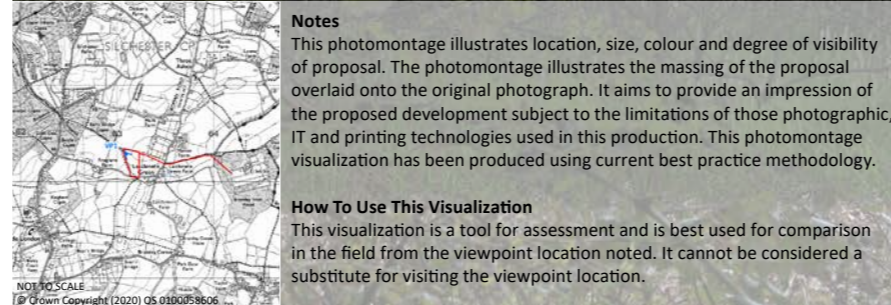
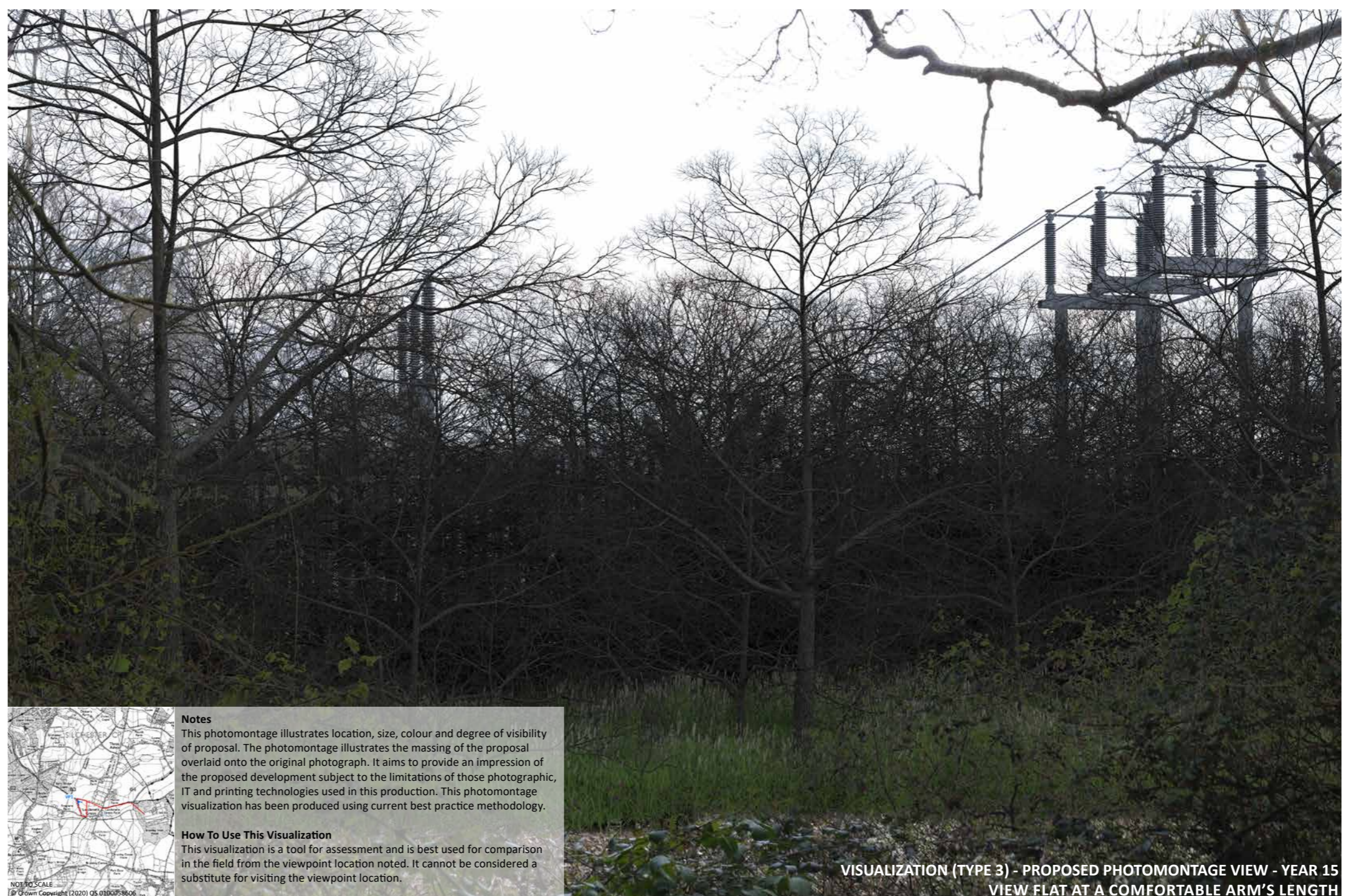


Notes
This photomontage illustrates location, size, colour and degree of visibility of proposal. The photomontage illustrates the missing of the proposal overlaid onto the original photograph. It aims to provide an impression of the proposed development subject to the limitations of those photographic, IT and printing technologies used in this production. This photomontage visualization has been produced using current best practice methodology.

How To Use This Visualization
This visualization is a tool for assessment and is best used for comparison in the field from the viewpoint location noted. It cannot be considered a substitute for visiting the viewpoint location.

VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 0
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 0 - Photomontage view



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VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 15
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 15 - Photomontage view



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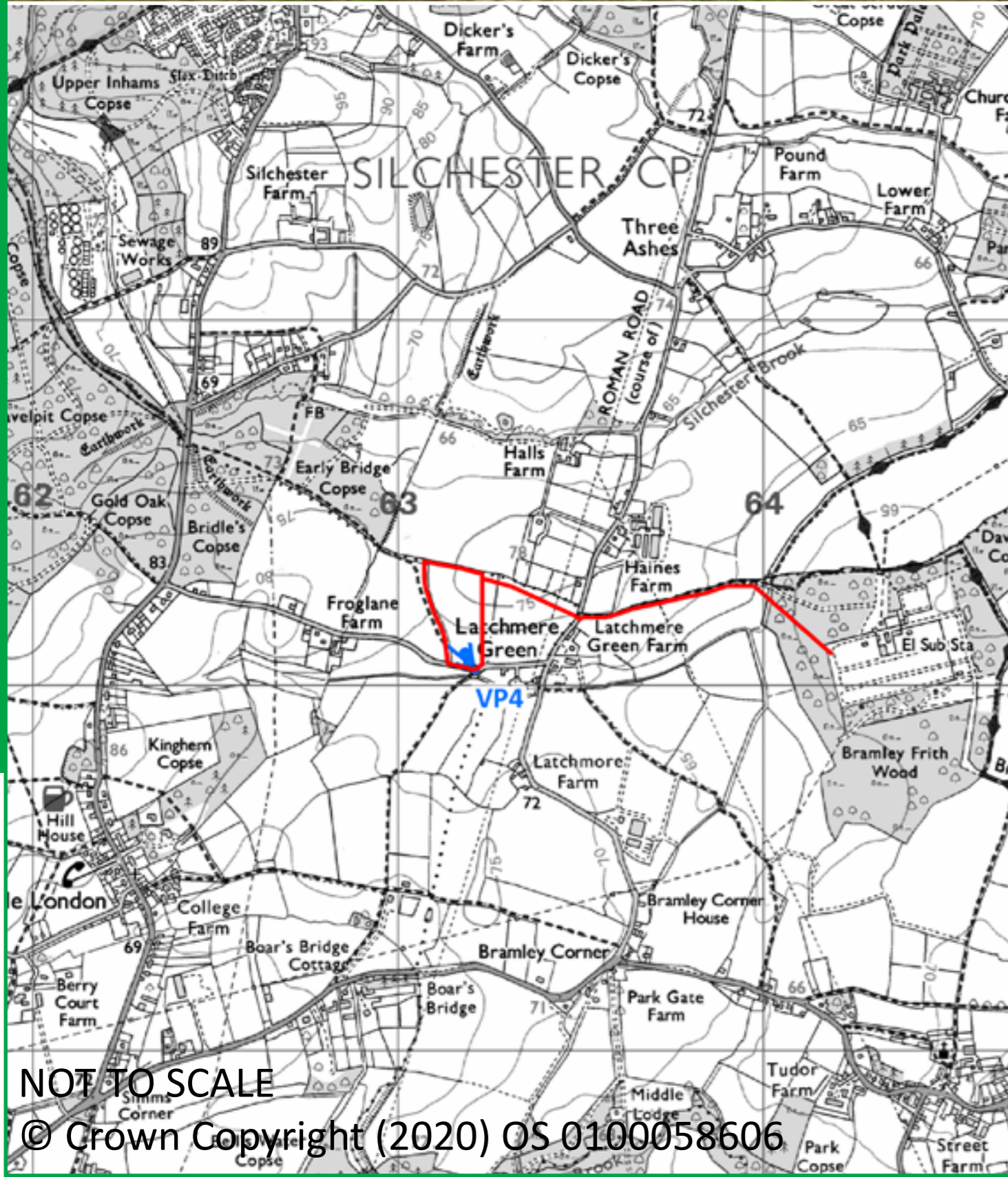


VIEWPOINT 4: PROW 186/35/1 LOOKING NORTH WEST TOWARDS THE SITE



EXISTING VIEW (TYPE 1)
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Present day



VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 0
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 0 - Photomontage view



VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 15
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 15 - Photomontage view

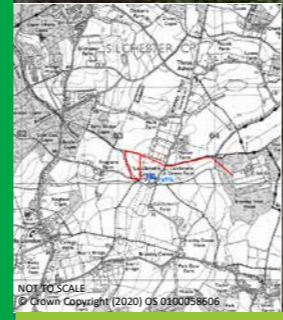


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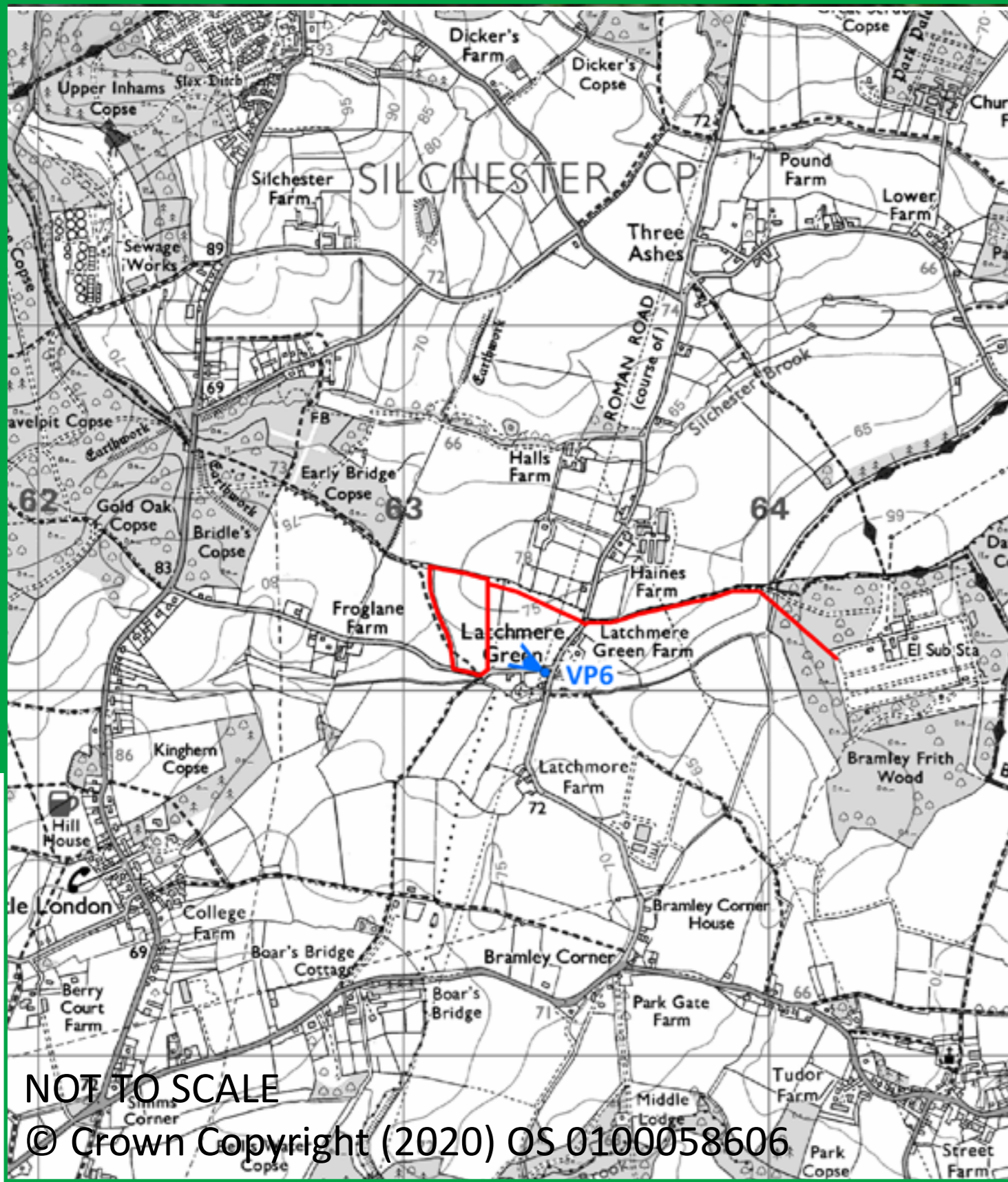


VIEWPOINT 6: FROG LANE LOOKING NORTH WEST TOWARDS THE SITE



EXISTING VIEW (TYPE 1)
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Present day



NOT TO SCALE

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VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 0
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 0 - Photomontage view



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VISUALIZATION (TYPE 3) - PROPOSED PHOTOMONTAGE VIEW - YEAR 15
VIEW FLAT AT A COMFORTABLE ARM'S LENGTH

Year 15 - Photomontage view



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CONSTRUCTION



Throughout construction we will ensure that disruption to the local area and community is kept to a minimum.

Throughout the construction and operational phases of the proposed battery storage development on Land at Frog Lane, BSR Energy is committed to ensuring that the impact to the local road network, and the local community is kept to a minimum.

The construction phase is expected to take approximately 9 months, during which a Construction Management Plan will be in place, to minimise any disruption to the surrounding area.

The measures that are likely to be taken to minimise disruption include:

- The introduction of a dedicated construction compound running adjacent to the main site, with temporary matting to ensure that all vehicles have somewhere to make deliveries, to keep the road network free of waiting vehicles.
- A dedicated site manager who will coordinate timed delivery slots.
- Wheel washing to reduce mud on local roads as a result of vehicles exiting the site.
- Restricted delivery hours to avoid busy periods.
- Dedicated construction route agreed with County Highways

Once the site is operational, it is anticipated that there will only be low levels of traffic accessing the site for maintenance purposes. It is therefore expected that the largest volume of traffic will be associated with the construction phase of the project.

If planning permission is granted, construction is expected to begin on site in 2030, as this is when the Distributed Network Operator (DNO) will be able to connect the facility. The DNO is a licensed company that owns and operates the network of cables, transformers, and towers that bring electricity from the national transmission network to businesses and homes, and so this connection is essential for the operation of the facility, in this case SSE.

The construction phase is likely to last for approximately 9 months with the peak traffic movements during months 5-9. This will generate an average of 4 two-way HGV movements per day.

We would also see a slightly higher number of cars and /vans associated with workers travelling to/from the site at this time.

Once operational the site will encounter very low levels of traffic, this will be for maintenance reasons only.



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HAVE YOUR SAY

Our consultation is running until Sunday 24 March 2024, and we want to hear from the local community as we develop our proposal for Land at Frog Lane to ensure we understand any concerns.

There are a number of ways that you can provide your feedback, as follows:

- Fill out our questionnaire available via the QR code opposite (hard copies can be posted out on request)
- Call us on **0800 368 3973 (freephone)**
- Email us on **info@BSRfroglane.co.uk**
- Fill out the 'Contact Us' form on our website **www.BSRfroglane.co.uk**



If you, or anyone you know, would benefit from hard copy information or accessible formats, these are available on request by using the details listed above or by speaking to a member of the team at the event today.



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