

Walpole Substation Connection Projects Meeting

3 June 2025

national**grid**

conrad
energy

VERDANT™
ENERGY

Agenda

- Introductions
- Projects overview and coordination
- Conrad Energy update
- Verdant Energy update
- National Grid update
- Ongoing engagement and communication
- AOB

Introductions

Indicative project locations

Verdant Energy Solar Farm

National Grid Expansion Project

Conrad Energy Grid Stability Facility

Thistleton Farms Ltd.

French Road

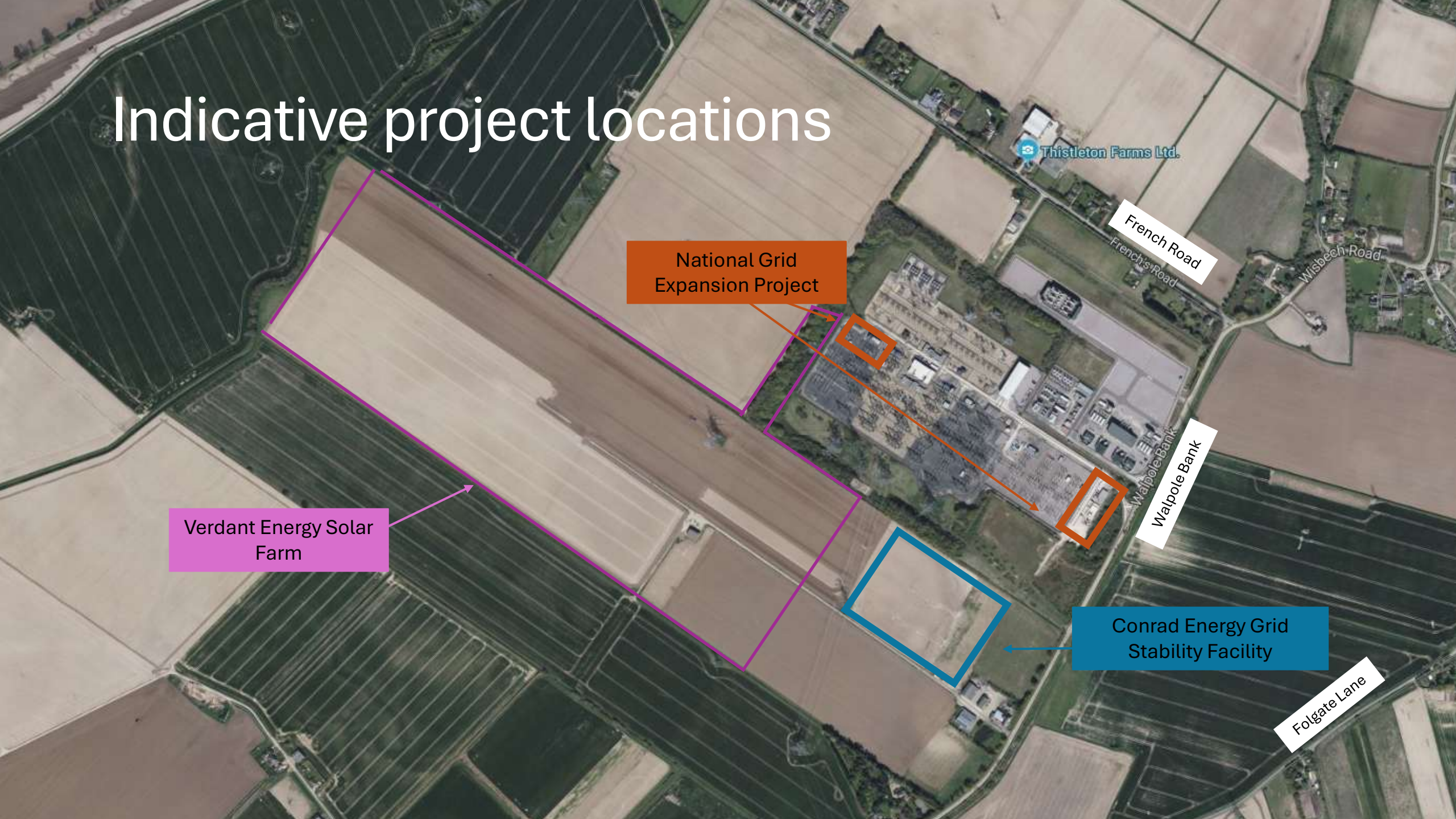
French's Road

Wisbech Road

Walpole Bank

Walpole Bank

Folgate Lane



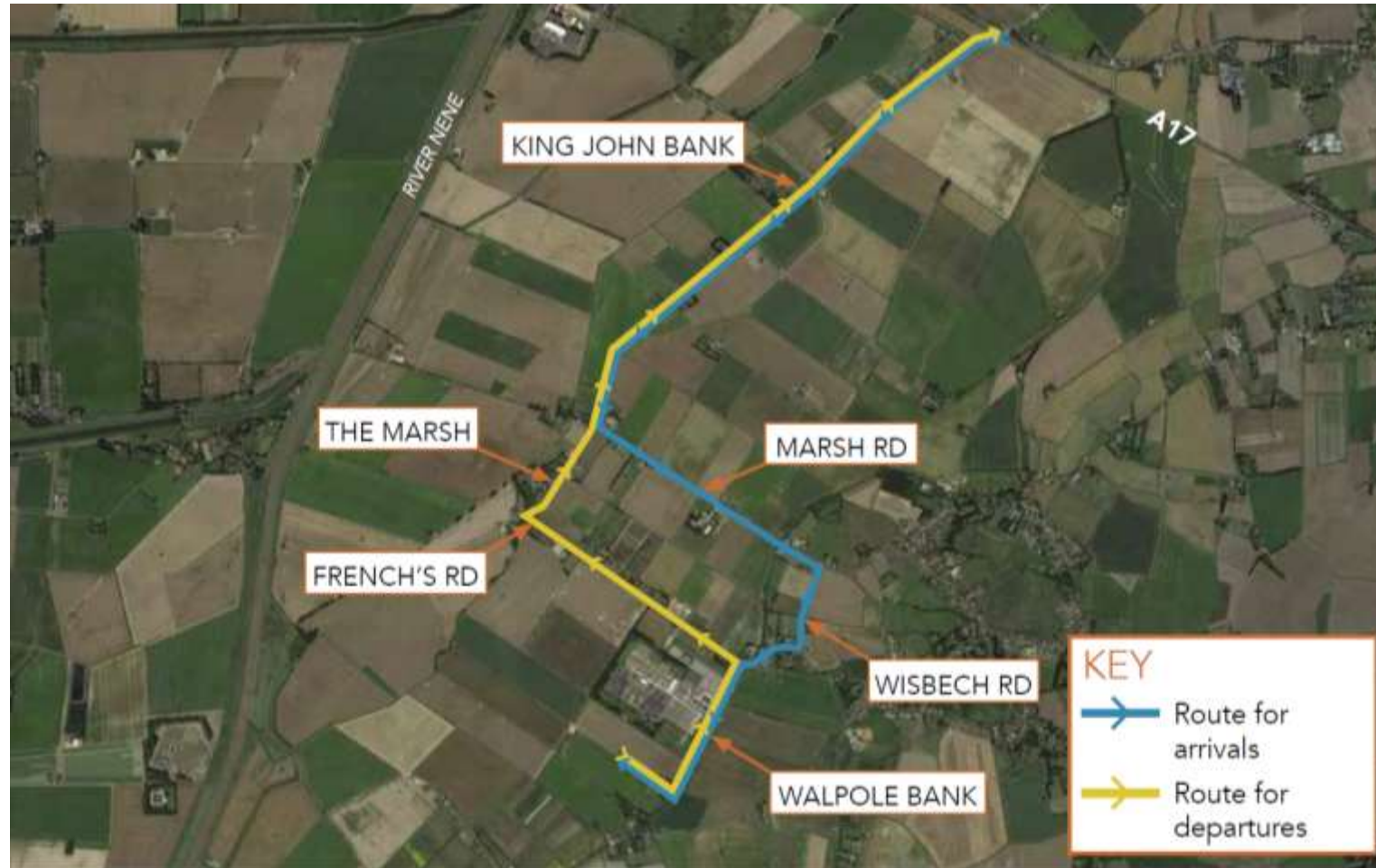
Developer coordination

Working together to streamline design and minimise local impacts as far as possible is important to National Grid, Conrad Energy and Verdant Energy.

The primary goal of this is to minimise the impacts of construction for the local community. Our coordination efforts include:

- Regular developer coordination meetings
- Shared enquiry tracker
- Overlapping Traffic Management Plans
- Coordinated engagement and communications activity where possible

Construction traffic routes





Walpole Grid Stability Facility

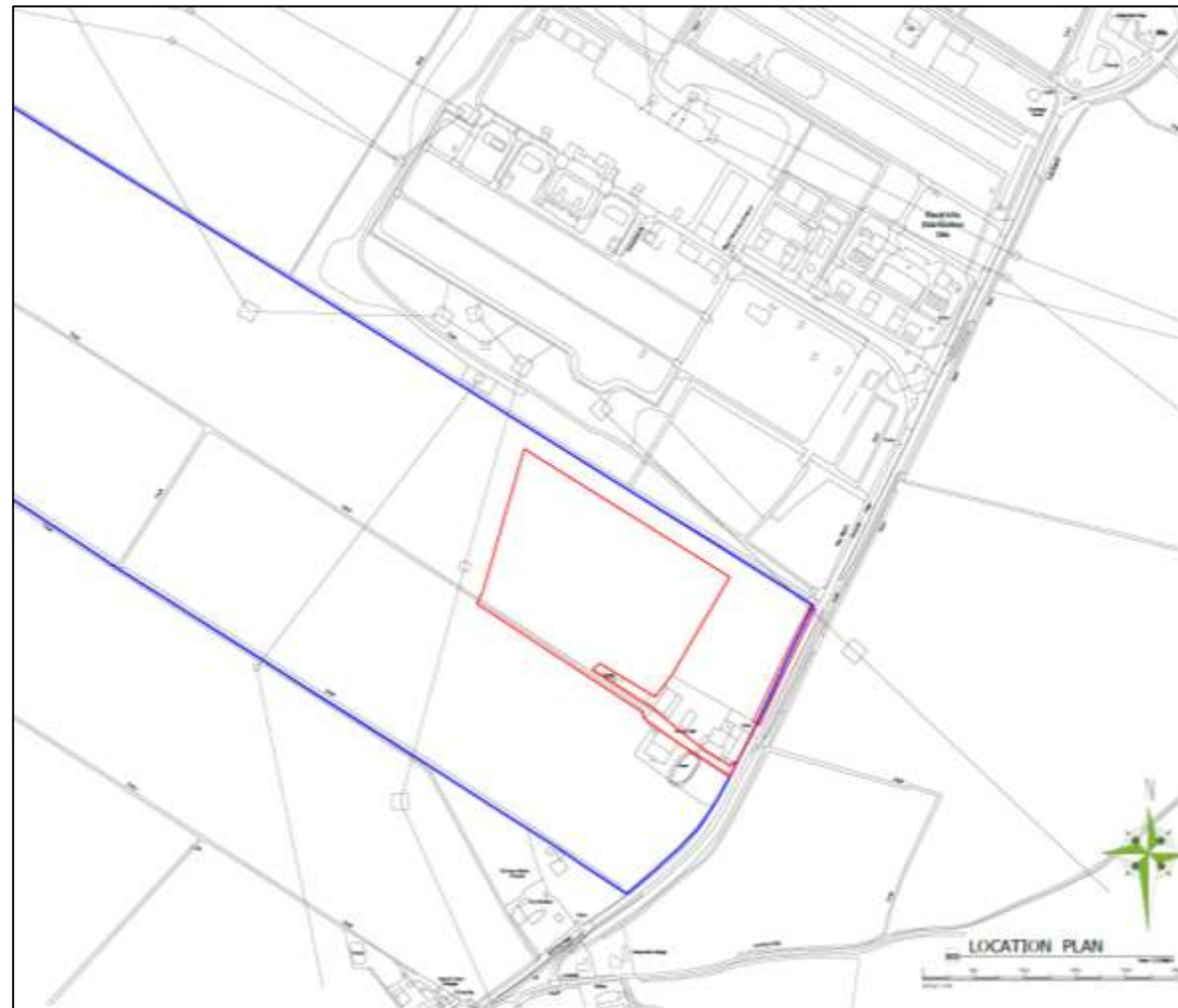


Location

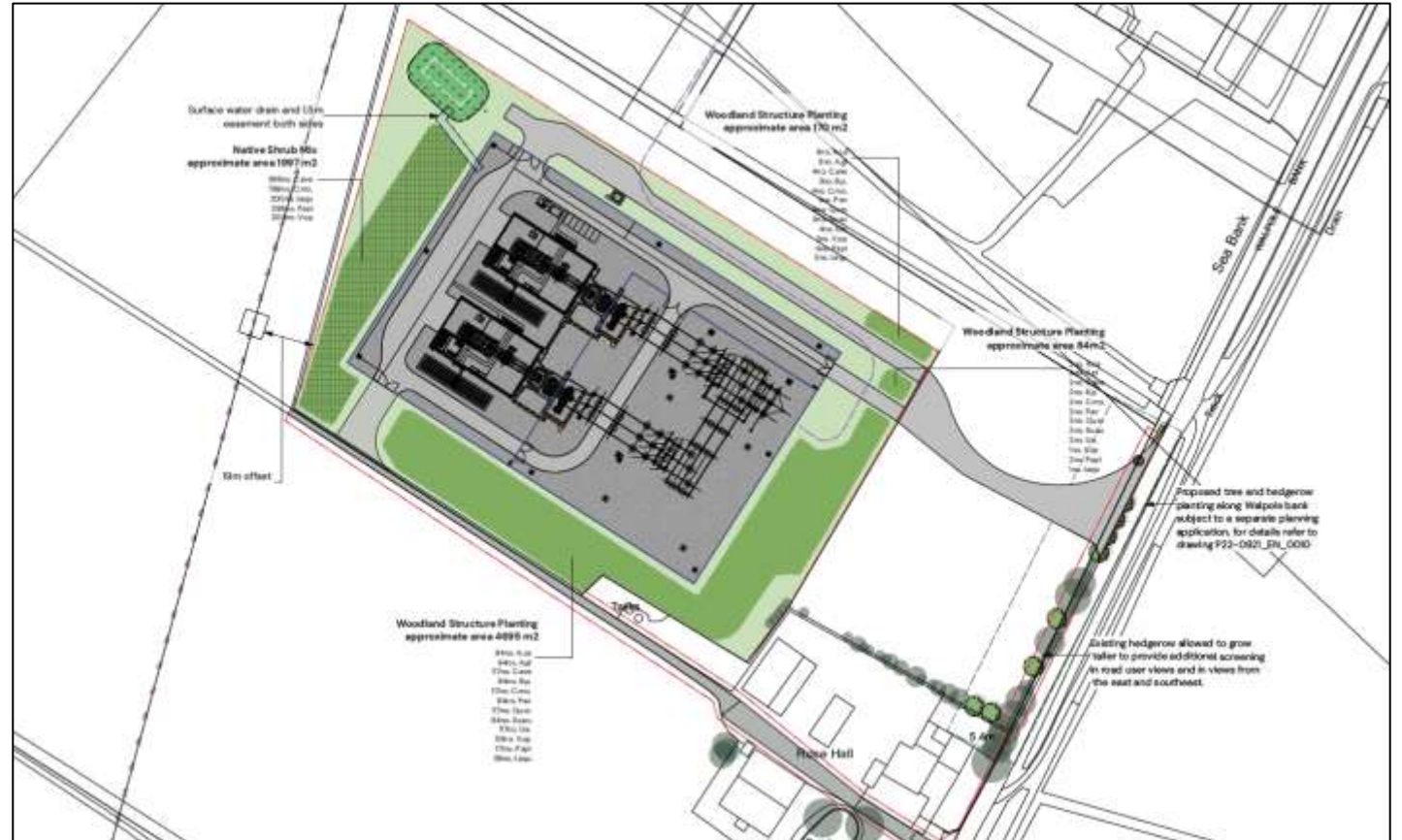
Just west of Walpole St Peter, our project neighbours the Walpole 400kV Substation to the south, which is a site of great strategic value for England's energy grid.

This is one of the key reasons why Conrad Energy has been contracted by the Electricity System Operator, to improve safety and stability to the grid for the region.

For further information on the technology behind the project, and why it is important for the UK's energy grid, please visit our website.



Project timeline



*We will soon be announcing a change to our construction programme. This is likely to extend works to mid-2026.

Activity on site

- There has been significant progress on site since our last session.
- The AIS structures have been erected and the equipment mounted.
- The initial earthworks have been completed.
- Internal cable terminations and M&E installation is well underway.
- The two transformers have been delivered.
- Drainage pond and system constructed and seeded.
- Security perimeter fencing erected. Due to be completed after deliveries.
- The majority of our HV cable route to Walpole substation has been ducted.



Activity on site

Equipment Delivery



Internal site activities:
cable terminations

Project look ahead

Date	Type	Activity
June 25	Mechanical Electrical Transport	• Cable terminations • IT system installation • Transformer cabling and installation
July 25	Mechanical Electrical Transport	• Cable terminations • IT system installation • Transformer cabling and installation • Synchronous Condenser deliveries and installation
August 25	Mechanical Electrical Transport	• Transformer cabling and installation • Synchronous Condenser cabling and installation • Cold commissioning • Further HV cable ducting

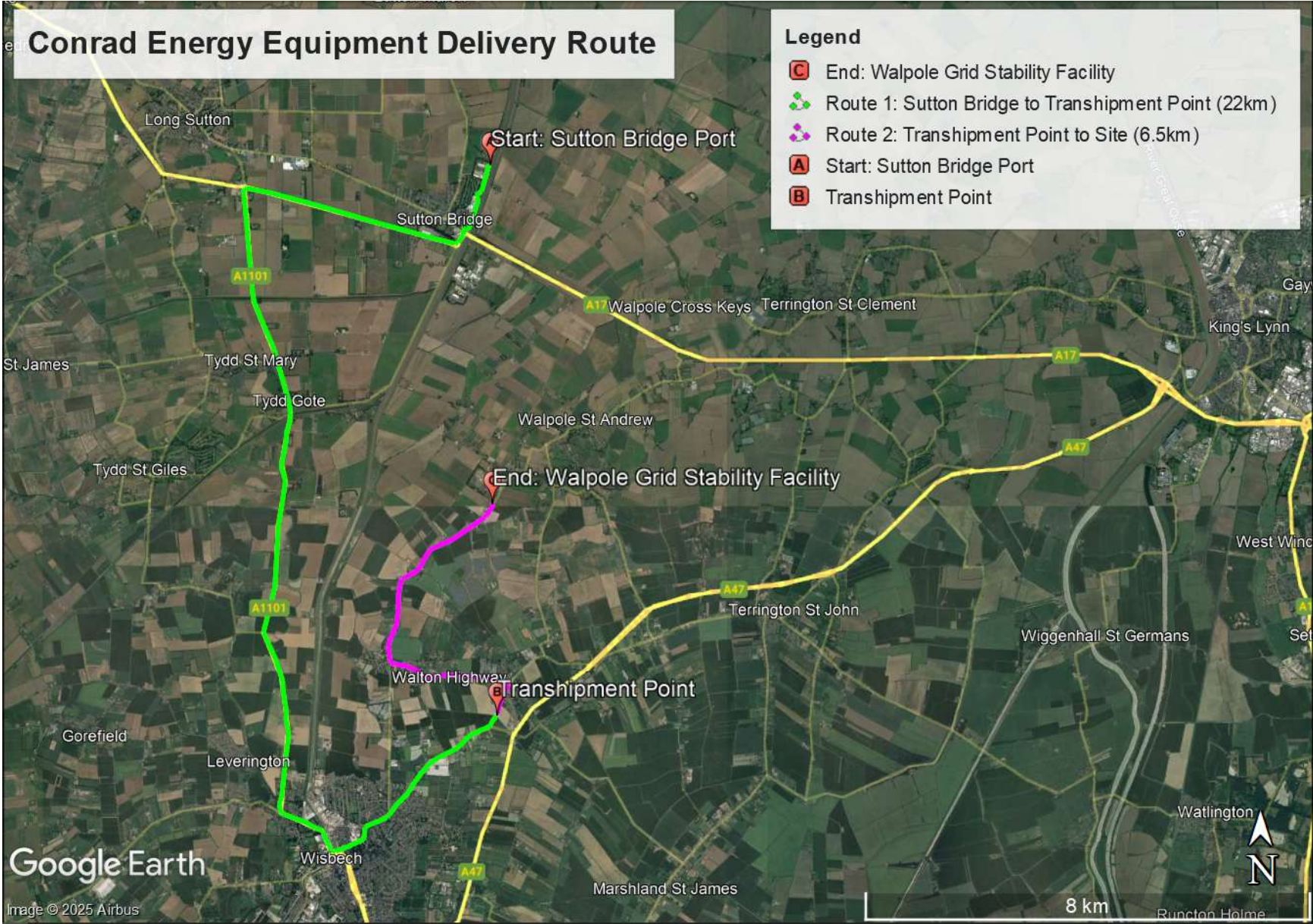
Equipment Deliveries

- We are glad to announce that our two HV transformers have successfully been delivered to site.
- Any feedback from the community is welcome leading up to the delivery of the Synchronous Condensers.
- The dates for the remaining movements are as follows:
 - Delivery 1 (now complete):
18th May
 - Delivery 2 (now complete):
22nd May
 - Delivery 3: To transhipment point
22nd June
 - From transhipment point to Walpole Station
29th June
 - Delivery 4: To transhipment point
6th July
 - From transhipment point to Walpole Station
13th July



Please visit the link below or scan the QR code for Conrad Energy's LinkedIn where there are some announcements on the delivery.
https://www.linkedin.com/posts/conrad-energy-limited_at-conrad-energy-were-proud-to-play-a-key-activity-7330562846931546114-Y6g9?utm_source=share&utm_medium=member_desktop&rcm=ACoAACO_JHUBbG9ex8gelwcXr2GZkZCXmMNEP2k

Equipment Deliveries



Supporting the community

We want to make a positive difference through our work for local communities, the environment and the wider world. The Conrad Energy Community Fund provides support for events, charities, schools, and group activities that are local to our sites across the UK.

Some examples of what our fund has supported:

- Child brain tumor research charity sponsorship and donations.
- Football shirts and sports coaching for a local youth team.
- Community woodland planting and a sensory garden.
- Refurbished a community dance studio.
- Funded creative workshops for female refugees, asylum seekers, vulnerable migrants and their children.
- Sponsored a theatre scholarship.

We have now closed applications for the community fund and are reviewing these. Awards should be announced in the next month.



Forests for our Future

Making a Difference

Berkshire
Buckinghamshire
Oxfordshire



Siemens Energy's Initiatives

Activity to date:

- We've continued to engage and inspire young people through the 'If you were an engineer, what would you do?' competition. We launched this competition on Monday 3 March 2025 at Hemingford Grey Primary School and on Thursday 13 March 2025 Bramfield House School. We recently heard that Bramfield House School are amongst the winners! Please see attached snapshot of our day there.
- Our next Digital Work Experience with all of the local schools (see attached flyer) and we'll be delivering that between 4-6th June to celebrate World Environment Day

On going activity:

- Our next community visit will be 20 June 2025 Marshlands High School Mock CV Interview Day
- We'll be attending Future Fest on Thursday 3rd July at Boston College



Keeping updated

There are various ways that the community can keep updated throughout construction.

- Visit our website page for project information and updates on the road closures
conradenergy.co.uk/energy-for-the-grid/grid-stability/walpole-grid-stability-facility

Contact us

For any comments or questions throughout construction you can reach us directly at
walpole-pm@conradenergy.co.uk

In emergencies only, you can contact the Site Manager:

Joe Walker
+44 (0) 7368 241020

Joe.walker.ext@siemens-energy.com

Questions



Walpole Bank Solar Farm

Project Overview:

Walpole Bank Solar and BESS Farm will provide renewable electricity for distribution to the National Grid.

This project will generate energy each year its 40 years of operational life, while also providing a substantial carbon dioxide savings when compared to generation of electricity by non-renewable sources.

The project includes battery storage which will allow energy to be stored on site at times when grid-demand is lower and exported at times of higher demand to ensure no energy is 'lost' and help balance the National Grid.



Construction Activities:

Solar PV Works:

- Internal access roads – Completed.
- Full site mobilisation - Completed March
- Foundation post ramming - Completed
- Array framework installation - Ongoing
- Solar panel installation – Ongoing
- Transformer deliveries – To commence w/c 2nd June.

BESS Works:

- Foundation piling – Completed
- Structure installation - Ongoing
- BESS deliveries - To commence end of June and last 3-4 weeks (3/4 lorries per day)

Cable Works

- Horizontal Directional Drilling (to connect Development to NGET infrastructure)- To commence w/c 2nd June

Timeline:

September - December 2024 | Site Preparing, and internal access tracks

March - June 2025 | Array Framework Installation

March - September 2025 | Cabling & Trenching & Export Cable

April – July 2025 | Solar Panel Installation

May - July 2025 | Solar Inverter Installation

April - September 2025 | Battery Energy Storage System (BESS) foundation construction & Connection Equipment

June – July 2025 | BESS units deliveries.

October - December 2025 | Testing and Commissioning

Late 2025 | Landscaping (According to Planting Season)

Construction Activities - Photos



Figure 1 - Solar piling completed, structure installation ongoing



Figure 2 - BESS compound piling completed, structural installation commenced

Construction Activities - Photos



Figure 3 - Solar Panel golden installation completed



Figure 4 - Solar Panel golden installation completed

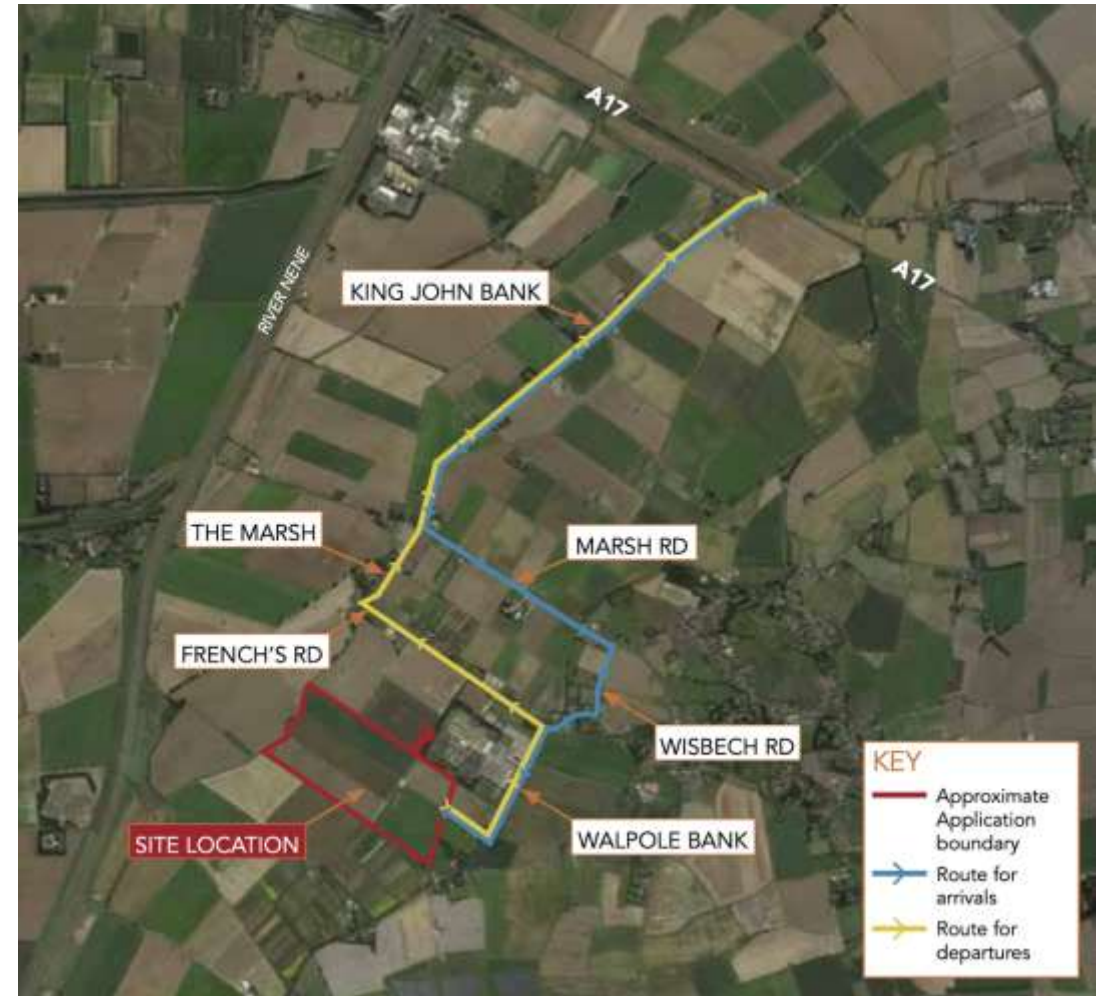
Construction Management Plan

All construction vehicles will enter and exit the Site via the existing farm access junction on Walpole Bank.

Approximately 60 to 70 construction workers are anticipated to be required on Site on an average day. This may increase slightly during peak construction - May/June/July 25.

Wheel washing facilities are provided at the end of the access road, ahead of the egress onto Walpole Bank.

An average of 6 deliveries per day (or 12 two-way movements per day).



Engagement with the local community

Contact Information

24-Hour Emergency Contact

Darren Kemp
Site Manager
07510 385 393

General Enquiries

Peter Elms / Cem Sabri
Communications Leads
0800 707 4146
contact@walpolebanksolarfarm.co.uk

Please visit our website where you will find further information and regular updates and get in touch with the Project team:
www.walpolebanksolarfarm.co.uk

Walpole Substation Expansion Project

An aerial photograph of the Walpole Substation Expansion Project. The central focus is a large, rectangular area filled with a complex network of high-voltage power lines and transformers, indicating an active construction or expansion phase. To the right of this central area, there are several large, dark-colored industrial buildings, likely housing equipment or materials. The surrounding landscape is a mix of green fields and brown, cleared land, with some trees and smaller structures visible in the distance. The sky is overcast with grey clouds.

The Great Grid Upgrade

nationalgrid

Overview of Walpole Substation Expansion

National Grid is extending the 400kV substation at Walpole which was first installed when the substation was built in the 1960s.

The project is required to:

- Accommodate new infrastructure at the existing substation
- Connect new sources of home-grown renewable energy
- Manage power flows on the network and support the UK's energy security
- Upgrade existing technology originally installed in 1960s

National Grid | Walpole Substation Expansion



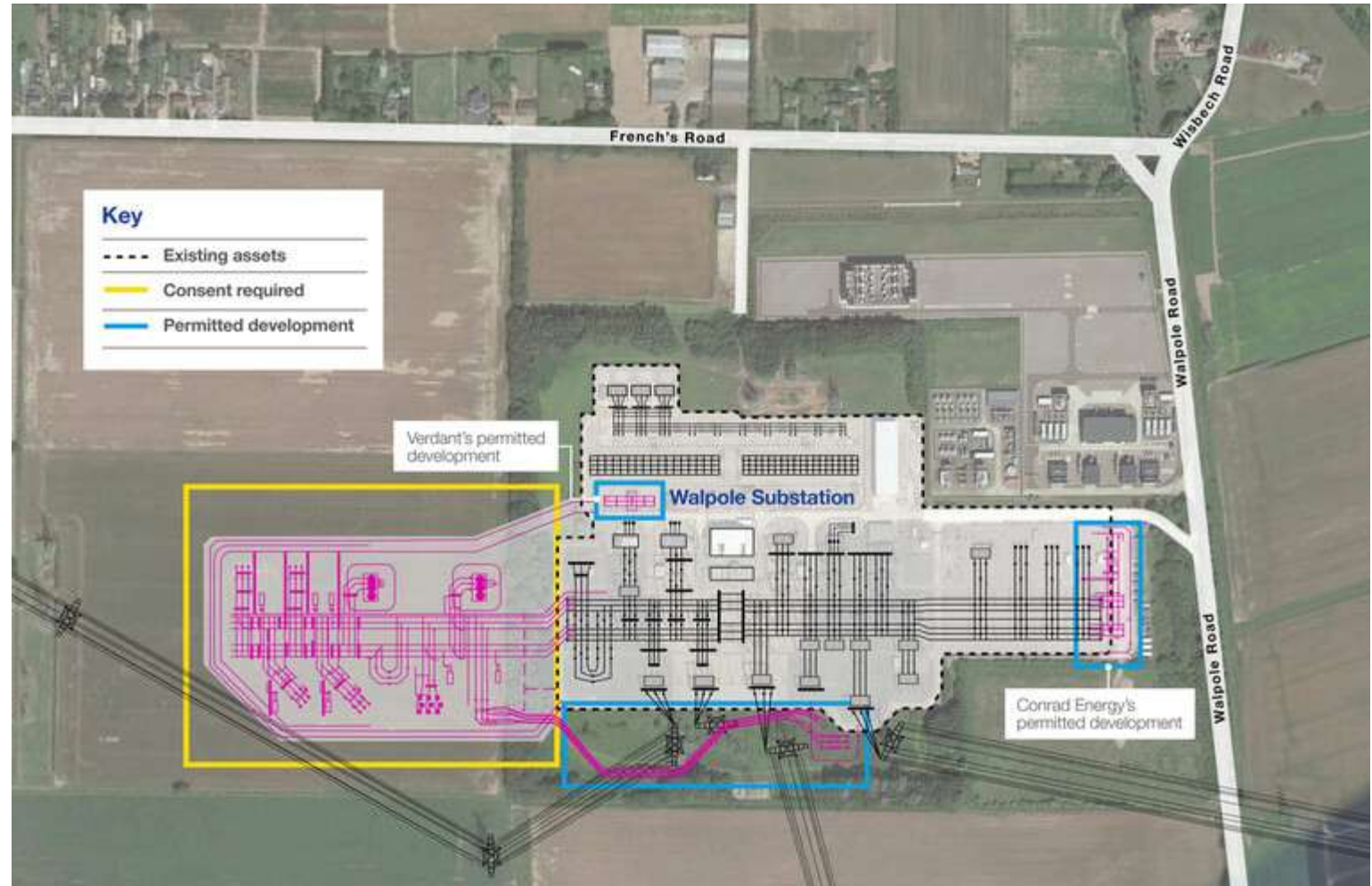
Indicative CGI image of what the Eastern extension will look like

- Some of this work will require planning permission, but the ongoing Eastern extension is being carried out via our permitted development rights.
- We will be submitting our planning application for the Western extension in late Summer/early Autumn 2025.

Permitted development

National Grid has permitted development rights to deliver some of the work needed for this project, whilst other parts of the project will require planning permission.

- Permitted development works will build the infrastructure required to connect external developers to Walpole Substation.
- Under our license to operate, we have a legal obligation to connect companies to our network when a connection is requested.
- NGET have a minimum of 10% biodiversity net gain commitment



Permitted development: Verdant Energy

Works commenced in Autumn 2024 at Walpole Substation, to prepare for the delivery of a 60MVA transformer.

Works will involve:

- Piling and foundation works (Commenced April 2025)
- Cable installation (May – July 2025)
- Battery Energy Storage System (BESS) delivery (July 2025)
- Transformer delivery and installation (Anticipated in July – August 2025)

Construction will complete onsite between October - November 2025, and the Solar Farm and BESS will connect into the substation soon after.

Permitted development: Conrad Energy

Works commenced in Autumn/Winter 2024 on a new user bay inside the substation compound.

Works will involve:

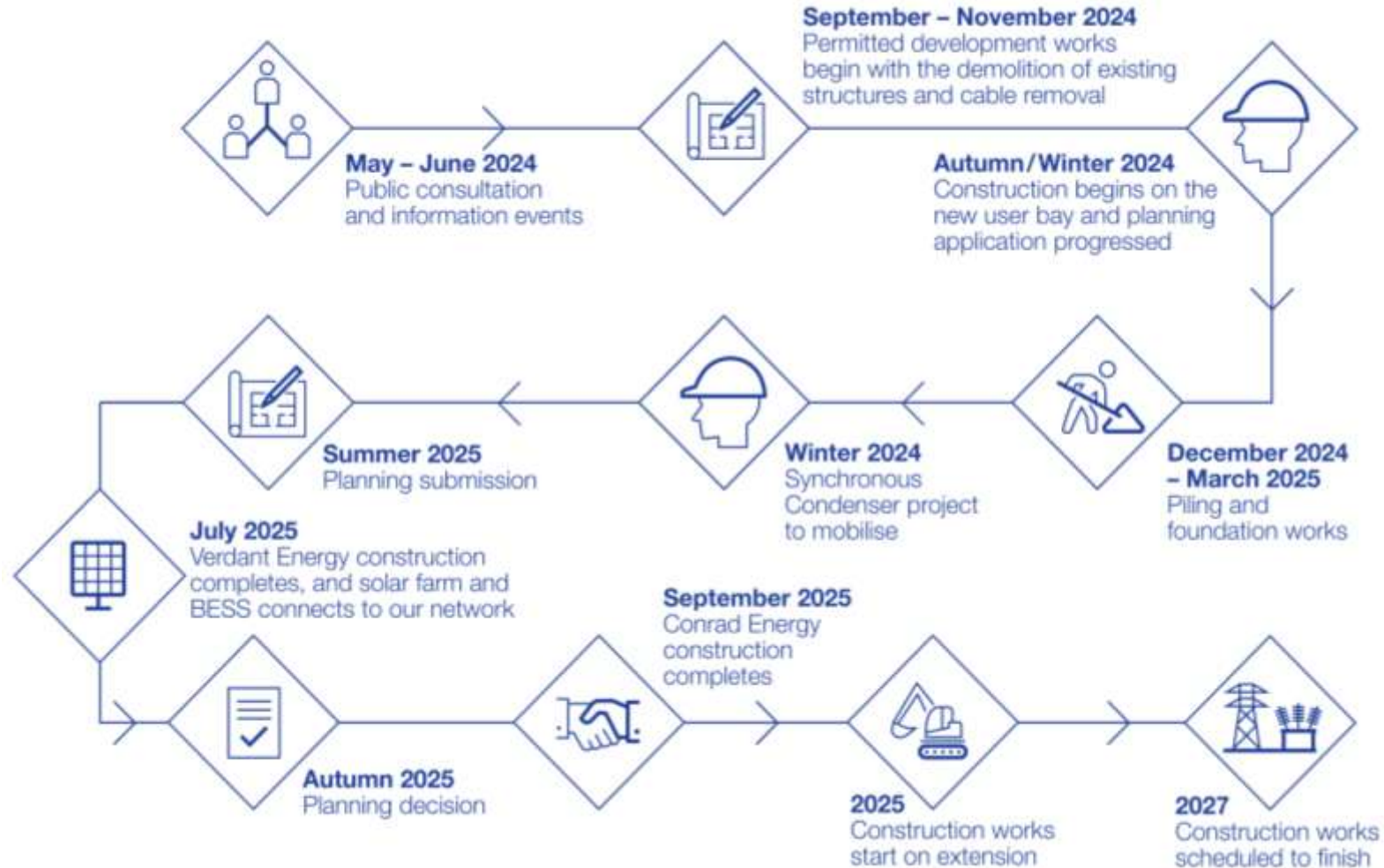
- Site Mobilisation (May 2025)
- Civil works (May 2025 – Jan 2026)
- Installation and commissioning (December 2025 – June 2026)

Construction for the project will complete in October 2026

Indicative image of the proposed expansion



Indicative timeline



You can contact us by...



Calling our Freephone information line:
0800 083 3149



Emailing us at:
walpole@nationalgrid.com



For more information about the project please visit:
nationalgrid.com/WalpoleSubstationExpansion

Community Benefit

In March 2025, the UK Government produced guidance for delivering community benefits in areas hosting onshore electricity transmission infrastructure. We welcome this and believe it sets a clear framework to ensure communities are rewarded for hosting new infrastructure that is essential to boosting home grown, cleaner and more affordable power for the country.

We expect that the Walpole Substation Expansion scheme will be in scope of the guidance. Subject to planning acceptance, as the project includes an extension greater than one hectare, we will deliver community benefits in line with the guidance.

It is important that our community benefit proposals deliver long-term, enduring benefits which respond to the needs and aspirations of the community. We are committed to working closely with local residents, community groups, local representatives and other key stakeholders to understand what is important to them and to shape our proposals for delivering legacy benefits in your community.

We will keep you updated around this.

Questions

The Great Grid Upgrade

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Questions

Ongoing engagement and communication

- Conrad Energy newsletter and social media in relation to major deliveries
- Next public information event for the local community
- Next Liaison Group meeting

Questions and AOB?

Thank you

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