



Yaxley Synchronous Condenser

Community Forum • 5th August 2024

conrad
energy

Agenda

1. Introductions
2. 31st January meeting review
3. Project overview
4. Programme
 - High level programme
 - Three month look ahead
5. Equipment Deliveries
6. Community fund
7. Keeping updated
8. AOB

Introductions



31st January 2024 meeting review



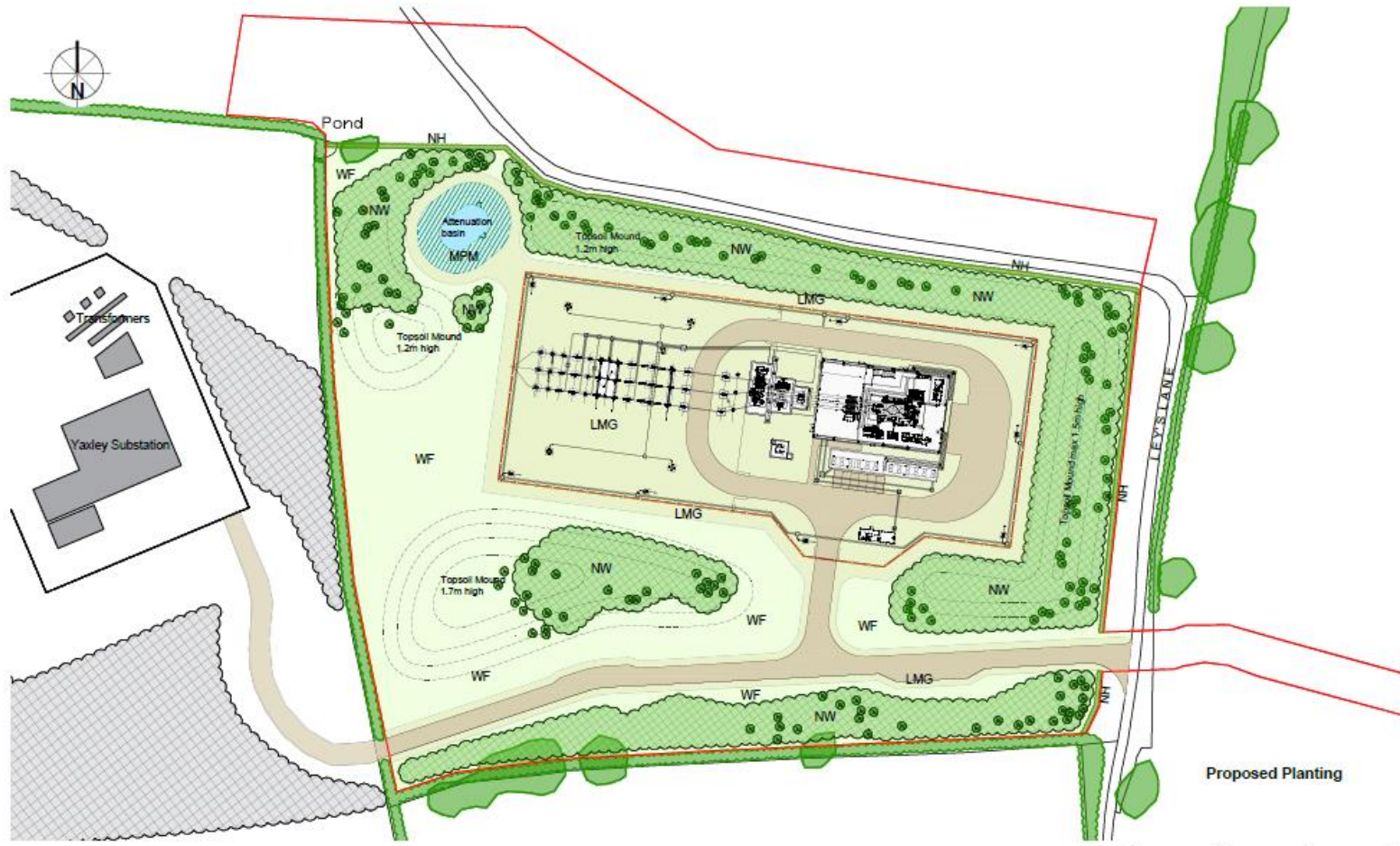
Meeting actions

- Project design – Conrad energy to share the latest landscaping plan for the project.
- Project design - Conrad energy to provide the latest noise assessment report for the project.
- Project design - Conrad energy to provide some further information on the drainage design for the project.

Please refer to the attached planning documents that will be circulated after this community engagement session. Please note that some of these planning documents have undergone recent amendments. Apologies for the delay in circulating the requested documents.

Project Overview





- Planning Application Boundary
 - Land Ownership (Inset Map)
 - Security Fence (Height: 2.4m)
 - Access Road
 - Existing Woodland/Trees
 - Existing Hedgerows (Retained)
 - Proposed Native Hedgerow Mix 'NH' (Refer Schedule) 7 plants per lin m
 - LMG Proposed Low Maintenance Grass
 - Proposed Native Woodland Mix 'NW' (Refer Schedule) @ 1.5m centres
 - Proposed Standard/Feathered Trees Individual Trees at locations shown
 - WF Proposed Wildflower/Grass Seed Mixture Emorsgate EM1 'General Purpose Meadow Mix' (Or Similar) Sown @ 4gm/m²
 - Indicative earth mounding Contours 0.5m intervals
 - Attenuation basin to engineer's specification
 - MPM Proposed marginal seed/wildflower mix Emorsgate Pond Edge Mixture EP1 (Or Similar) Sown @ 4gm/m²
 - Approved planting to be undertaken as part of the Yaxley Substation development (Refer Landscape Masterplan D6492.002H)
- Top-soil stripped from the site to be used for planting/seeded areas as follows:
- Woodland areas: 0.5 to 1.5m deep (mound with side batters no steeper than 1 in 8)
 - Low maintenance Grass: 150 mm deep
 - Wildflower seeding 150mm subsoil
- Proposed trees hedgerow plants to be protected by 600mm high rabbit guards. All planting and seeded areas to be maintained in a weed/litter free condition, and shall be watered as necessary to maintain health and vigour of the plants/swards. Any dead or dying plants/swards are to be replaced at the end of each growing season.

The Site in relation to Yaxley Substation



Planting Schedules

Individual Standard /Feathered Trees (Locations As Shown)			
Species	Common Name	Type/Size	%
<i>Acer campestre</i>	Field Maple	BR Standard (8-10cm girth)	25
<i>Betula pendula</i>	Birch	BR Feathered (6cm girth)	25
<i>Prunus avium</i>	Wild Cherry	BR Standard (8-10cm girth)	25
<i>Sorbus aucuparia</i>	Rowan	BR Standard (8-10cm girth)	25
TOTAL			100

Native Species-rich Hedgerow Mix - NH @7 plants/m. double staggered row			
Species	Common Name	Type/Size	%
<i>Acer campestre</i>	Field maple	BR 1+1 /60-80	5
<i>Corylus avellana</i>	Hazel	BR 1+1 /60-80	10
<i>Crataegus monogyna</i>	Hawthorn	BR 1+1 /60-80	50
<i>Ilex aquifolium</i>	Holly	Container/2ltr	10
<i>Prunus spinosa</i>	Blackthorn	BR 1+1 /60-80	20
<i>Rosa canina</i>	Dog rose	BR 1+1 /60-80	5
TOTAL			100

Native Woodland Mix - NW @ 1.5m centres (0.44 Plants per m ²)			
Species	Common Name	Type/Size	%
<i>Acer campestre</i>	Field Maple	BR 1+1 /60-80	10
<i>Alnus glutinosa</i>	Alder	BR 1+1 /60-80	10
<i>Betula pendula</i>	Silver Birch	BR 1+1 /60-80	10
<i>Corylus avellana</i>	Hazel	BR 1+1 /60-80	10
<i>Crataegus monogyna</i>	Hawthorn	BR 1+1 /60-80	15
<i>Ilex aquifolium</i>	Holly	Container/2ltr	10
<i>Prunus avium</i>	Wild Cherry	BR 1+1 /60-80	10
<i>Quercus robur</i>	Oak	BR 1+1 /60-80	15
<i>Sorbus aucuparia</i>	Rowan	BR 1+1 /60-80	5
<i>Tilia cordata</i>	Small-leaved lime	BR 1+1 /60-80	5
TOTAL			100

Client Conrad Energy Limited				
Project Synchronous Condenser, Yaxley				
Drawing Title Landscape Mitigation (Revised Layout)				
Created by CL	Reviewer NR	Sheet Size A3	Scale 1:1,250	Date Created 27.03.23
Drawing No. 03				Revision E
DRaW (UK) Ltd Monwick Hall York Road Leeds LS15 4TA t: 0113 8232871 www.dra-w-uk.com				



Project timeline



Stability Compensation Service at Eye 400kV (EE8)

Project site view – 05-August-24

- Abnormal Load deliveries planned for 11/08/2024 (Generator) & 18/08/2024 (GSU Transformer).
- Security fence erected.
- Auxiliary, excitation and Start-up transformers, GCB, coolers and Lube oil skid delivered and installed.



Stability Compensation Service at Eye 400kV (EE8)

Project site view – extended.



Project look ahead

Date	Type	Activity
August	Ground works	Finalising of groundworks and civil construction works. Demobilisation of the civil construction contractor. Delivery to sight of the main equipment, including the Synchronous Condenser and the high voltage transformer.
September	Mechanical and electrical works	Siemens Energy electrical and mechanical works. Excavation works for the high voltage cable connection to the Yaxley National Grid Substation.
October	Mechanical and electrical works	Siemens Energy electrical and mechanical works. Excavation works for the high voltage cable connection to the Yaxley National Grid Substation.

Construction Principles

Working hours

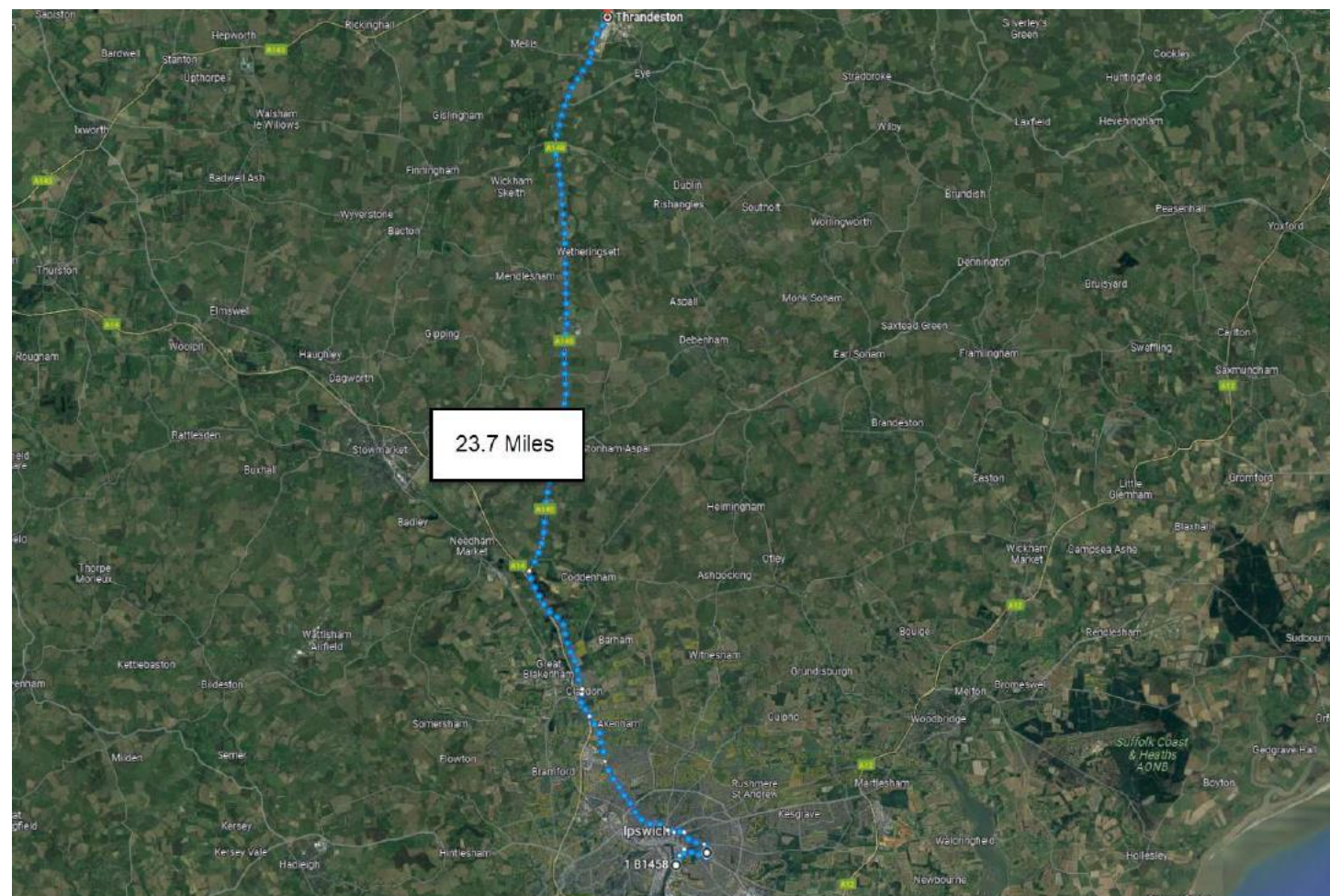
- Monday to Friday 0800 to 1800 (agreed hours for Saturdays 0800 to 1330 currently not in use)
- No bank holidays

Site security

- Perimeter fencing (Permanent security fencing now installed on-site.)
- Security controlled access gate
- Security guard on site 24/7 (from Sep)
- CCTV
- Site operation in line with agreed security principles
- Out of hours contact

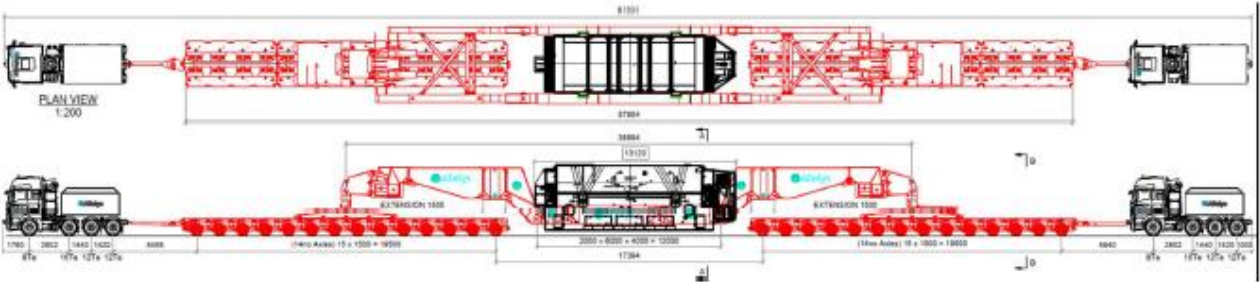
Main Equipment Deliveries

- Conrad Energy are approaching a major milestone for the project – the delivery of the Synchronous Condenser and the main high voltage transformer for the project.
- The Synchronous Condenser is a large synchronous generator that is stored within the main building of the Eye Grid Stability Facility. It will be delivered to site from Ipswich Port on the 11th of August 2024.
- The high voltage transformer will be installed on a concrete foundation, directly west of the fire wall that has already been installed on site. It is due for delivery from Ipswich Port on the 18th of August 2024.



Main Equipment Deliveries

- Residents can expect rolling disruptions to the local highway on the days when the deliveries are scheduled.
- Please refer to the link below for a public announcement from Suffolk Constabulary, with details of the delivery:
<https://www.suffolk.police.uk/police-forces/suffolk-constabulary/areas/campaigns/campaigns/abnormal-loads/>



↑ Generator - 28 Axle Girder Frame Trailer (High beam configuration with hangers)



Abnormal Loads

Load:	Transformer
Width:	5.01m / 5.36m
Length:	81.3m / 70.6m
Height:	4.53m / 4.6m
Weight:	586,880kg / 370,600kg
From:	Cliff Quay, Ipswich
To:	Eye Synchronous Condenser Plant, Yaxley
Route:	Cliff Quay – Cliff Rd – B1548 – A1156 – B1075 Derby Rd – Tomline Rd - Foxhall Rd - St Helens St – A1156 – Norwich Rd – A14 Contraflow – A140 – Mendlesham Industrial Estate (rest area, if required) – A140 Temp Overbridge Brockford Street (7m span) – A140 – Yaxley private road to site The A14 will be managed by police rolling roadblock to facilitate wrongsiding A14 J53 – J51
Closures/Restrictions:	A140 Beacon to A140/A143 R/A to facilitate building/dismantling of temporary overbridge at Brockford Street Haulier will make provision for blue light agencies to pass Brockford Street Ipswich parking restrictions in place
Dates:	11 th & 18 th August @ 06:00hrs
Refs:	A1838701 / A1838710

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 campaign sponsorship and donations.
- Football shirts and sports coaching for a local youth team.
- Funded 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.

Before the next community engagement event Conrad energy will be hosting a visit to the community outreach programs which were awarded under the project scheme.



Forests for our Future
Making a Difference

Berkshire
Buckinghamshire
Oxfordshire



Keeping updated

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

- Visit our website page for project information and updates
www.conradenergy.co.uk/yaxley
- Register for regular email updates on our website

Contact us

For any comments or questions throughout construction you can reach us at
yaxley@conradenergy.co.uk

In emergencies, you can contact the Site Manager Joe Walker on 07368 241020.

Thank you