



Yaxley Synchronous Condenser

Community Forum • 14th January 2025

conrad
energy

Agenda

1. Introductions
2. 5th August 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



- Project design – Capacity of the SUDS pond.

To be confirmed from our drainage verification survey due to commence early this year.

- Project maintenance - Conrad Energy to confirm the landscaping contractor for the project.

This will be confirmed once the site is closer to operations. An appointed operations manager will oversee appointing on ongoing resource.

- Project maintenance - Conrad Energy to confirm if the construction haul road will be retained permanently.

Conrad Energy are preparing a planning submission to achieve this in 2025. Our intention is to retain the construction access.

- Project design – Conrad Energy to confirm the noise performance testing procedures for the site.

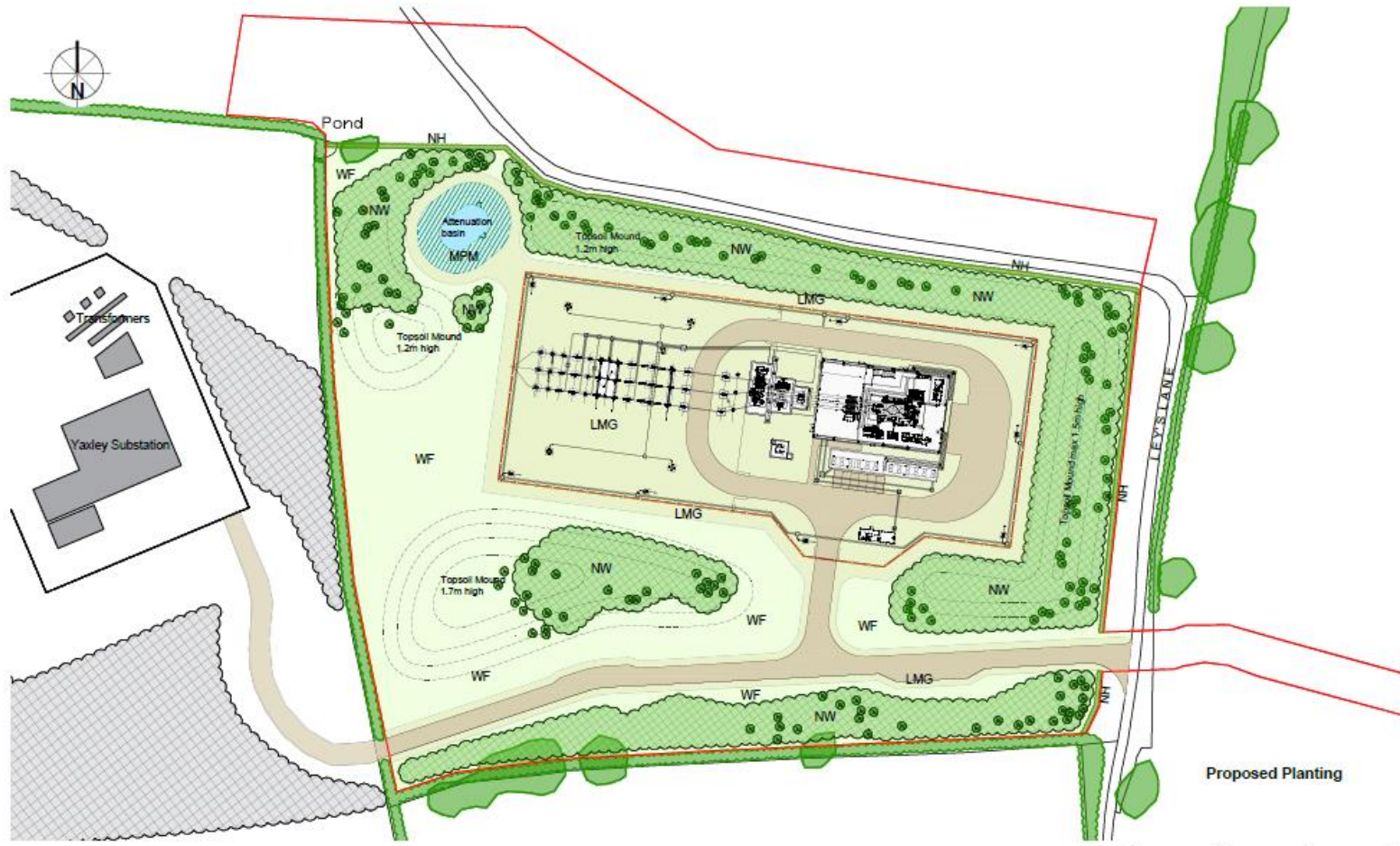
A noise consultant will attend site to measure the noise performance of key equipment at 1m from the source, to compare the performance to the assumption used in noise modelling.

- Project construction – request for additional signage on site

Additional signage has since been added at the end of Leys Lane.

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-ltd.com				



Project timeline



Stability Compensation Service at Eye 400kV (EE8)

Project site view – 27 November 2024

- IPB installation complete.
- Cold commissioning commenced.
- Building services commissioning and DNO interface works ongoing.
- ACS Demobilised from first visit.
- Site shutdown held 20th December to 6th January.
- Site cable ducting commencing this week.
- Landscaping to mobilise next month.



Stability Compensation Service at Eye 400kV (EE8)

Project site view – extended.



Project look ahead

Date	Type	Activity
January	Mechanical and electrical works Cable ducting Welfare cabin change	Groundworks finished and demobilised. Delivery to site of the main equipment successfully conducted Q4 2024. Trenching for the HV cable to the Yaxley substation to commence. Site temporary welfare to be replaced with permanent welfare solution.
February	Mechanical and electrical works Cable ducting Landscaping	Siemens Energy electrical and mechanical works. Excavation works for the high voltage cable connection to the Yaxley National Grid Substation. Final landscaping to begin, planting and bund formation.
March	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

Equipment Deliveries

- Deliveries of key electrical equipment were held August 2024, and successfully carried out.
- Some lessons learnt were reserved for our neighbouring site at Walpole, including communications with the local highway authority.
- Any feedback from the community is welcome.
- Only one significant delivery to site is expected for HV cabling, without any road closures or traffic controls implemented.



Picture alongside of the recent delivery completed for the Eye Grid Stability Facility, another Synchronous Condenser project Conrad Energy is delivering. https://www.linkedin.com/posts/conrad-energy-limited_energy-pathfinder-construction-ugcPost-7234194450820796416-ADu3?utm_source=share&utm_medium=member_desktop

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