

Annex 1 - Overview of information sources

Presenters

- National Grid Visual Impact team
- Institution of Engineering and Technology
- Academic expert, Lancaster Environment Centre, impacts on bird life from overhead lines
- Countryside Alliance
- Plantlife Cymru – environmental impacts of undergrounding
- Ofgem
- Net Zero Industry Wales
- Energy Advisor on financial costs to consumers
- Cable Ploughing contractor

Direct submissions

- Community group submissions
- MS, MP and Councillor submissions
- Industry representative submissions inc. farming, tourism and networks
- Network company technical submissions
- Evidence statements in relation to cable ploughing
- Responses in relation to cultural impacts of grid
- Survey responses from Countryside Alliance
- Literature search on mental health impacts from electricity lines
- Literature search on impacts on tourism from electricity lines
- Literature search on public health impacts from electricity lines

Information available in the public domain

Undergrounding information from Renewable UK	A closer look at undergrounding electricity lines
NIC electricity distribution networks report	Electricity-Distribution-Networks-report-21-Feb-2025.pdf
National Grid public information and technical and design guidance	https://www.nationalgrid.com/document/346096/download
SPEN public information	What We Do - SP Energy Networks Policies, Procedures and Specifications: Documentation - SP Energy Networks
SSEN webinar on transmission lines	Overground, underground, or subsea - how decisions are made on where electricity transmission lines go - SSEN Transmission
ENA pylons information	Explainer – Building new pylons in the UK – Energy Networks Association (ENA)

National Grid information on Eryri Visual Impact (undergrounding) scheme	Eryri Visual Impact Provision National Grid
ENTSO-E undergrounding comparison (European Network of Transmission System Operators for Electricity)	Joint paper: Feasibility and technical aspects
Electricity Transmission Costing Study – IET Parson Brinckerhoff	Electricity Transmission Costing Study
Winser report overview	Electricity Networks Commissioner letter to Secretary of State for Energy Security and Net Zero
DNV Network Topology Assessment	Network Topology Assessment Report - DNV
RUK reports on planning policy and undergrounding	Planning-Project-Report-2024-Final.pdf
ENA report on Electro Magnetic Field (EMF) health effects	250807ena-emfs-the-facts.pdf
Voluntary code of practice relating to public exposure to EMF	DECC report
Scot Gov good practice guides for onshore renewable energy projects and community benefits	Scottish Government Good Practice Principles for Community Benefits from Onshore Renewable Energy Developments
RAENG report on technology pathways and innovation	raeng-technology-pathways-report-v3.pdf
DESNZ community benefits for electricity transmission network infrastructure	Community benefits for electricity transmission network infrastructure - GOV.UK
3Ci web publications including guidance on community engagement	https://www.3ci.org.uk/report/the-path-to-net-zero-three-steps-for-effective-community-engagement/
Countryside Alliance electrical infrastructure survey findings	CA Electrical Infrastructure Wales_Survey analysis_February 2025FINAL.pdf
Mixed resources relating to public engagement and impacts on communities and community acceptance of renewable energy / infrastructure	Impact assessment of case studies - Assessing the impacts of public engagement in energy infrastructure projects - IEECP community benefit guide Vattenfall.pdf Investigating public disengagement from planning for major infrastructure projects: A high voltage powerline case study

	Net zero public engagement and participation: a research note Churchill Fellowship - Nils Hay
Beaully-Denny line report on property values	Beaully-Denny line report on property values
Energy and Nature report on integrated vegetation management	IVM Workshop Summary Report fin.pdf
Scottish Natural Heritage, Edison Electric, Council of Europe and others – papers and reports on the impact of power lines on birds	Guidance - Assessment and mitigation of impacts of power lines and guyed meteorological masts on birds NatureScot
Academic papers, Biasotto and Kindel, Environmental Impact Assessment review	Academic papers, Biasotto and Kindel, Environmental Impact Assessment review
Landmap	LANDMAP Overview Natural Resources Wales / LANDMAP - the Welsh landscape baseline LandMap Geological Landscape DataMapWales Landmap Landscape Habitats DataMapWales Landmap Landscape Habitats DataMapWales Landmap Historic Landscape DataMapWales LandMap Geological Landscape DataMapWales
Natural Resources Wales tools and guidance	Natural Resources Wales / Advice for developers on planning electricity grid infrastructure
Flood risk maps	Flood Map for Planning Flood Zones 2 and 3 DataMapWales
Regional Energy Strategies	North Wales Energy Strategy South West Wales Energy Strategy Cardiff Capital Region Energy Strategy Mid Wales energy strategy
Local Area Energy Plan examples	Powys Local Area Energy Plan Ceredigion Local Area Energy Plan

DESNZ response on community benefits for infrastructure	<u>Community Benefits for Electricity Transmission Network Infrastructure: government response</u>
Ofgem framework for centralised strategic network plan	<u>Consultation on the draft Centralised Strategic Network Plan Guidance</u>
Welsh Local Government Association guides – land use and carbon sequestration and storage	<u>WLGA Land Use and Carbon Sequestration Guidance and Tool - WLGA</u>
Wildlife protection network innovation allowance project report	<u>Wildlife protection network innovation allowance project report</u>
Reports on the electrification of industry	<u>https://www.makeuk.org/docs/electrify-industry-report/download?attachment</u>
DESNZ responses on enabling industrial electrification MakeUK electrify Industry report	<u>Enabling Industrial Electrification: summary of responses</u>
Aldersgate group report on Electrifying industry and distribution networks	<u>Aldersgate group report on Electrifying industry and distribution networks</u>