

Ardgay & District Community Council

12 June 2023



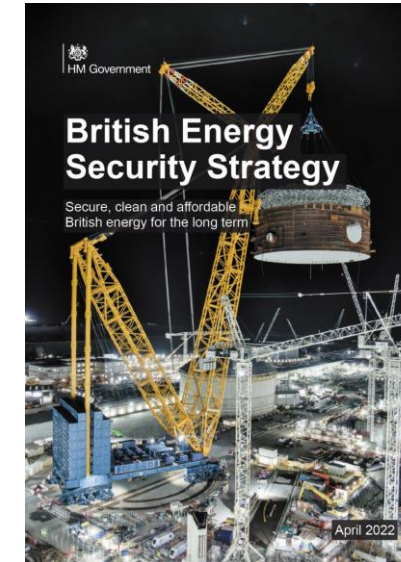
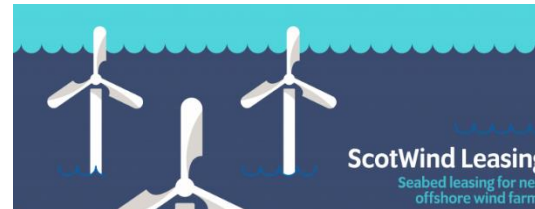
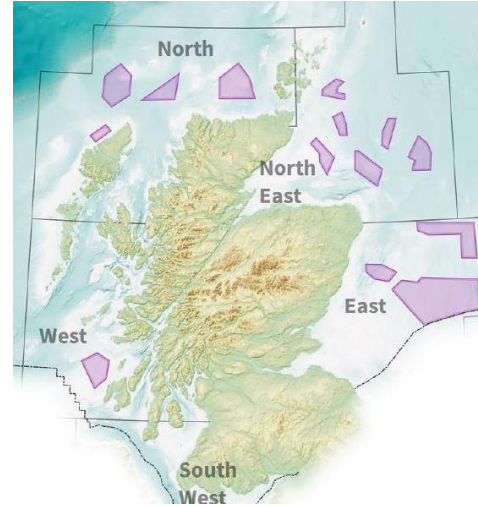
Scottish & Southern
Electricity Networks

TRANSMISSION

Why are these projects needed?

To deliver UK and Scottish Government net zero and energy security targets

- **ScotWind leasing round (Jan 22)** - delivered seabed leases for up to 28GW, vastly exceeding expectations (10GW)
- **British Energy Security Strategy (April 22)** – 50GW 2030 offshore wind targets (UK target), including current 11GW Scottish Government target – to accelerate net zero to deliver homegrown, low-carbon, affordable energy independence
- **National Grid Electricity System Operator led Holistic Network Design (HND) (July 22)** will enable circa 11GW of ScotWind by 2030, key to deliver 50GW by 2030
- **Ofgem approval of need for HND projects (Dec 22)** as part of its **Accelerated Strategic Transmission Investment (ASTI)** framework decision



This document sets out our decision on accelerating onshore electricity transmission investment. It includes our decisions to streamline the regulatory approval and funding process, to exempt certain large, strategic onshore transmission projects from competition, and to introduce a new output delivery incentive.

In particular, it sets out our decisions on the specific points we sought views from respondents in our August 2022 consultation.



MAIN NORTH OF SCOTLAND ELECTRICITY TRANSMISSION NETWORK IN 2030

In-flight Investments

- 1. Argyll 275kV strategy
- 2. Fort Augustus to Skye 132kV upgrade
- 3. Orkney 220kV subsea link

Pathway to 2030 Investments

- 1. Beaulieu to Loch Buidhe to Spittal 400kV reinforcement
- 2. Beaulieu to Blackhilllock to New Deer to Peterhead 400kV reinforcement
- 3. Beaulieu to Denny 400kV upgrading (with SPT)
- 4. Kintore to Tealing (with connection to Alyth) to Westfield 400kV (with SPT)
- 5. Spittal to Peterhead 2GW HVDC subsea link
- 6. Peterhead to Drax 2GW HVDC subsea link - Eastern Green Link 2 (with NGET)
- 7. Peterhead to South Humber 2GW HVDC link - Eastern Green Link 4 (with NGET)
- 8. Western Isles 1.8GW HVDC link

Public Consultation to Inform Project Development

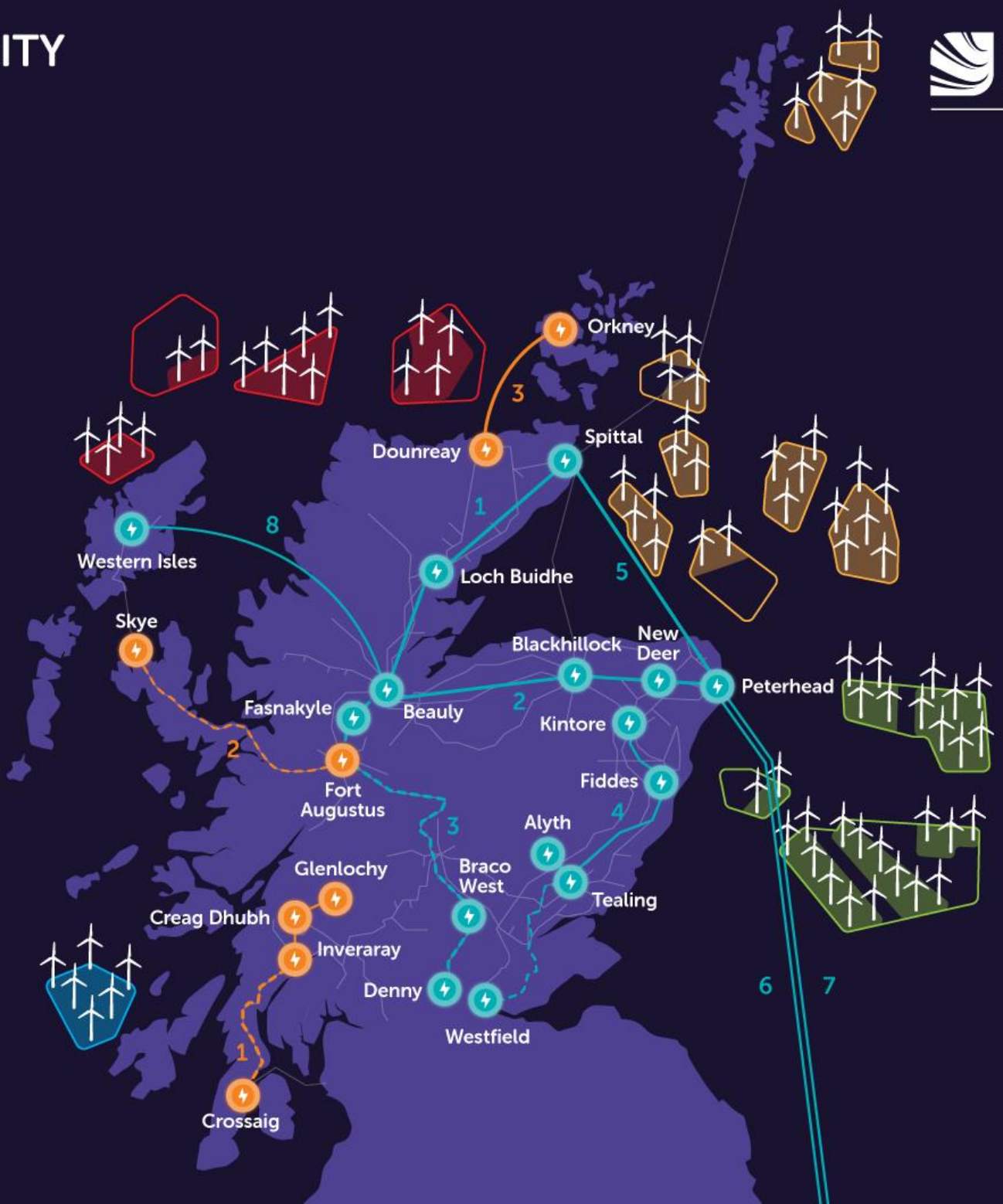
All new reinforcements remain subject to detailed consultation and environmental assessments to help inform route and technology options.

More detail on these projects, including how to sign up for updates, will be made available on SSEN Transmission's website: www.ssen-transmission.co.uk

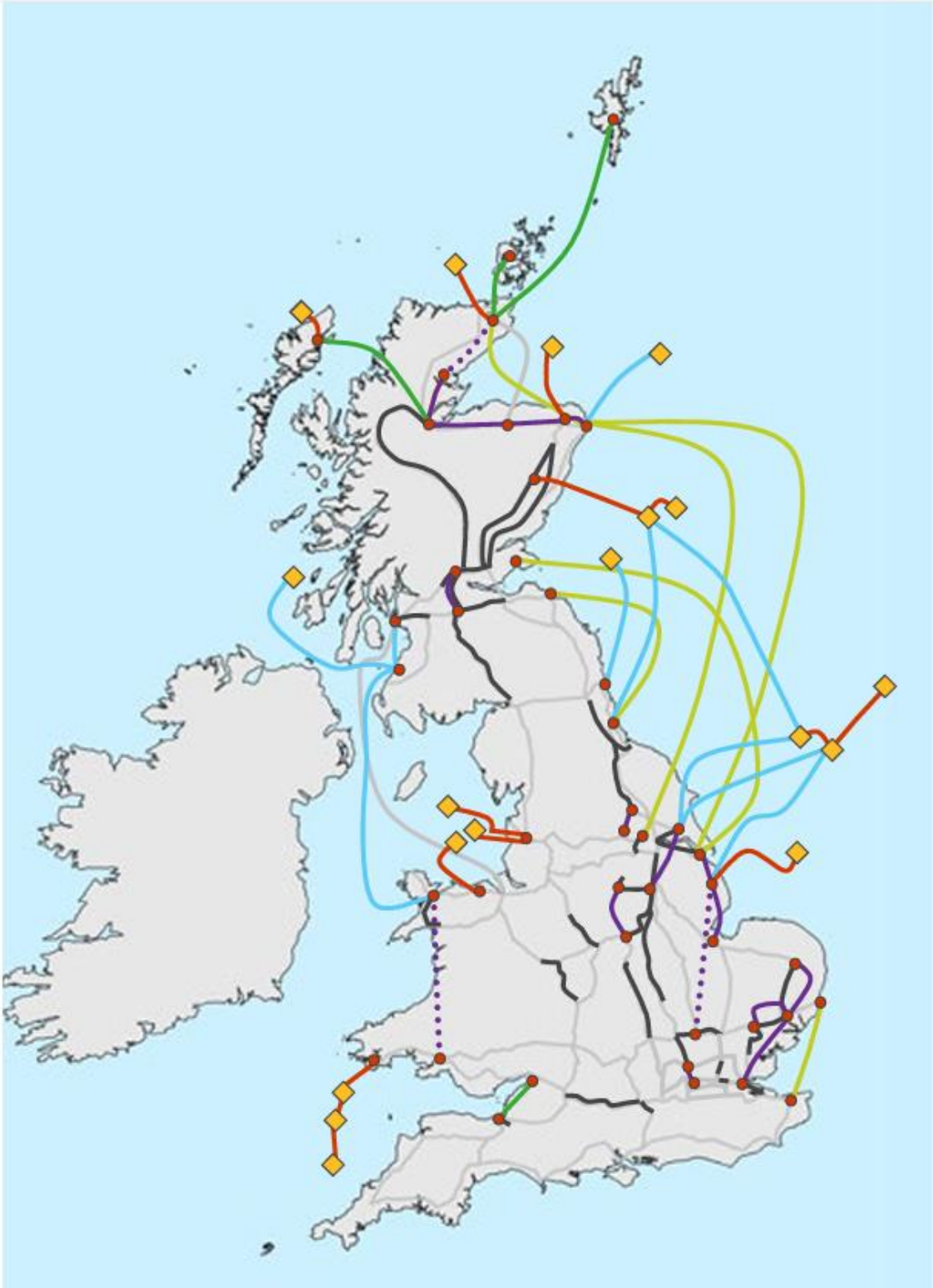
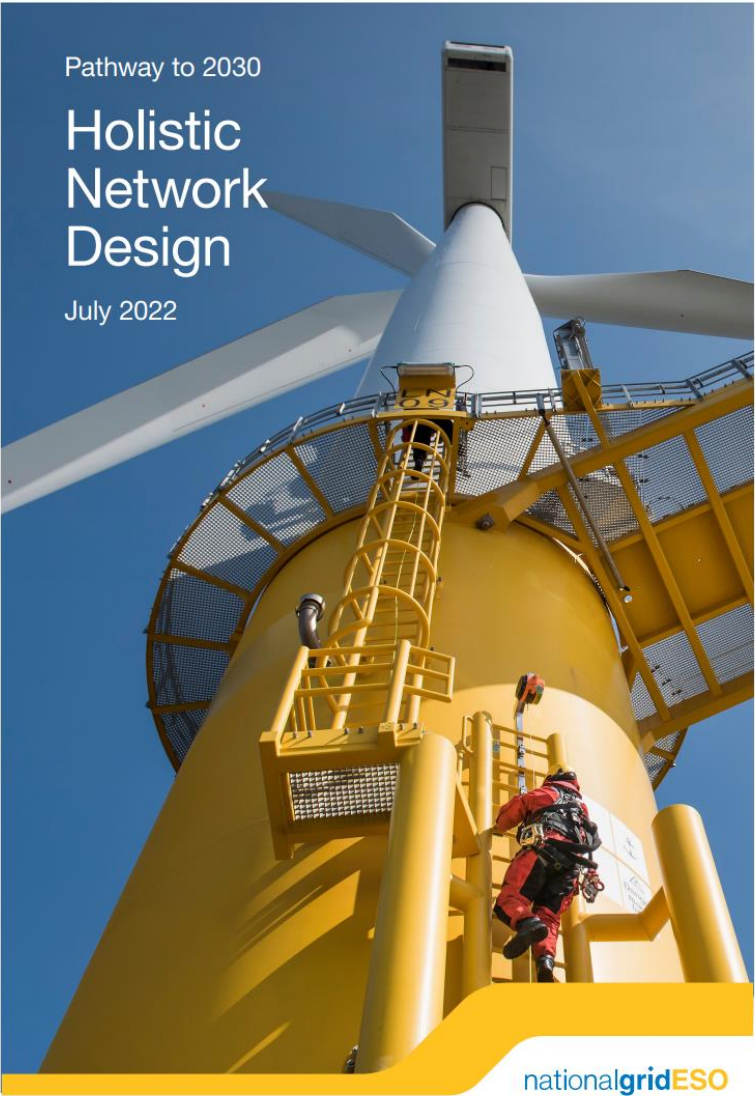
New Infrastructure (Routes shown here are for illustrative purposes)

Upgrade/Replacement of Existing Infrastructure

Existing Network

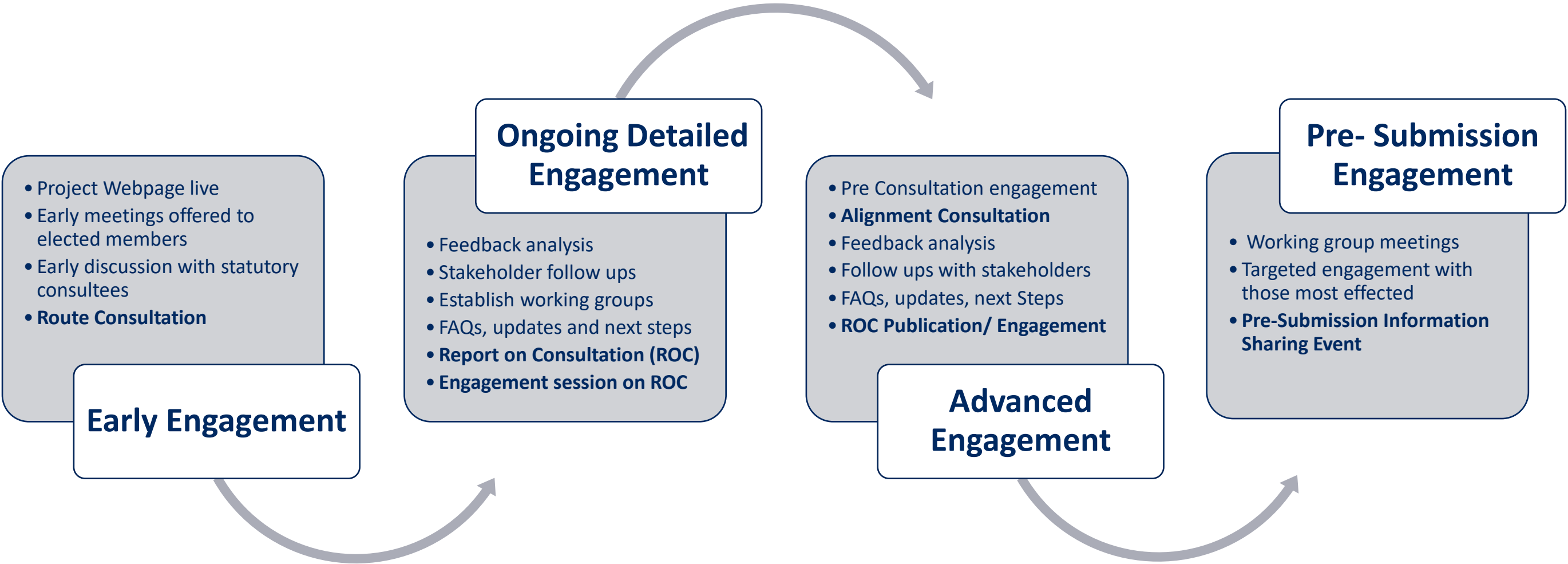


GB-wide Holistic Network Design



Legend	
Existing network	
Existing network upgrade	
New onshore network infrastructure	
New network need	
New subsea network reinforcement	
Other works	
New offshore HVAC	
New offshore HVDC	
HND offshore wind farm	
Onshore substation to connect new infrastructure	
All option routes and locations are for illustrative purposes only.	

Our consultation and engagement process



Our continuous engagement process

Work underway based on community feedback

- **Reviewing current proposals to take consideration of concerns raised at consultation in respect of potential routes identified**
Consideration of potential alternative routes or route amendments
- **Exploration of the potential to reduce the amount of existing overhead lines**
Review of existing SSN overhead line assets in proximity to project area to establish the potential for opportunities to remove or reduce the number of structures if possible
- **Assessment of the practicalities for use of alternative technologies**
Assess the potential for alternative technologies to be used, for example, underground cables or alternative tower designs

