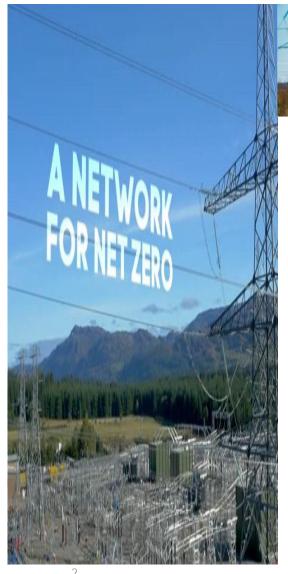






TRANSMISSION





About Us

- Ø As a Transmission Owner (TO) we maintain and invest in the high voltage 132kV, 275kV and 400kV network in the north of Scotland
- Ø Our license area extends over a quarter of the UK's land mass crossing some of its most challenging terrain.
- Ø Our RIIO T2 stakeholder led business plan was the awarded the Highest Confidence Reward out of all TOs.
- Ø Agreed a baseline total expenditure of £2.16bn. to deliver a Network for Net Zero including capacity and flexibility to accommodate 10 GW renewable generation in the north of Scotland by 2026
- We are the world's first electricity networks company to receive external accreditation for a sciencebased target in line with a 1.5°C global warming pathway.



<u>Transmission Network Use of System (TNUoS) Charges</u>

- A charge to recover the cost of the installation and maintenance of the transmission network.
- Both generation and demand pay to use the transmission network through TNUoS.
- Generators are charged based on their declared capacity, known as Transmission Entry Capacity (TEC). Energy suppliers pay TNUoS based on the actual electricity demand of their customers.
- The Electricity System Operator (ESO) recovers the revenue on behalf of the Transmission Owner (TO)
- Detail of the charging methodology is detailed in Section 14 of the Connection Use of System Code (CUSC).
- Network charging is regulated by Ofgem.







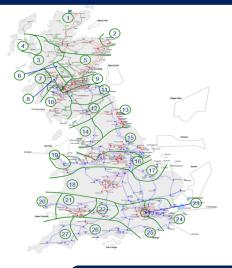


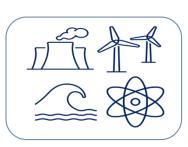
Generation TNUoS

Local Circuit & Substation Tariff

The locational charge (Wider TNUoS)

The Adjustment Factor





£/MW/kM



Why are we involved in TNUoS

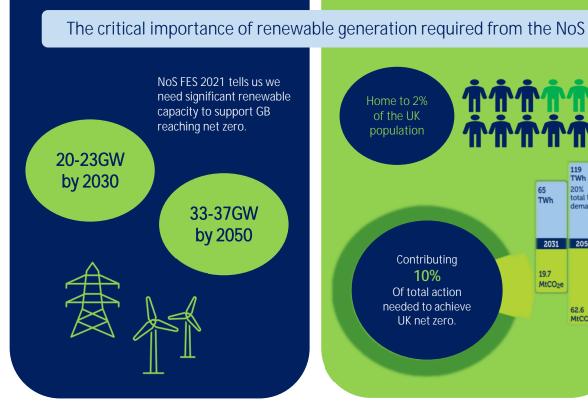
Our stakeholders have told us...

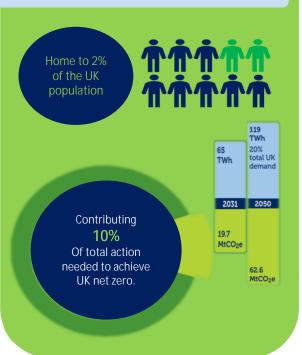
- The cost of wider TNUoS could effect the sustainability of their projects.
- Wider TNUoS is far more expensive in the north of Scotland than anywhere else in GB.
- Wider TNUoS is a barrier to entry, costs are volatile and unpredictable.

How does this affect us?

'Put simply, timing and sizing uncertainty for generation developers translates to timing and sizing uncertainty for network investment."

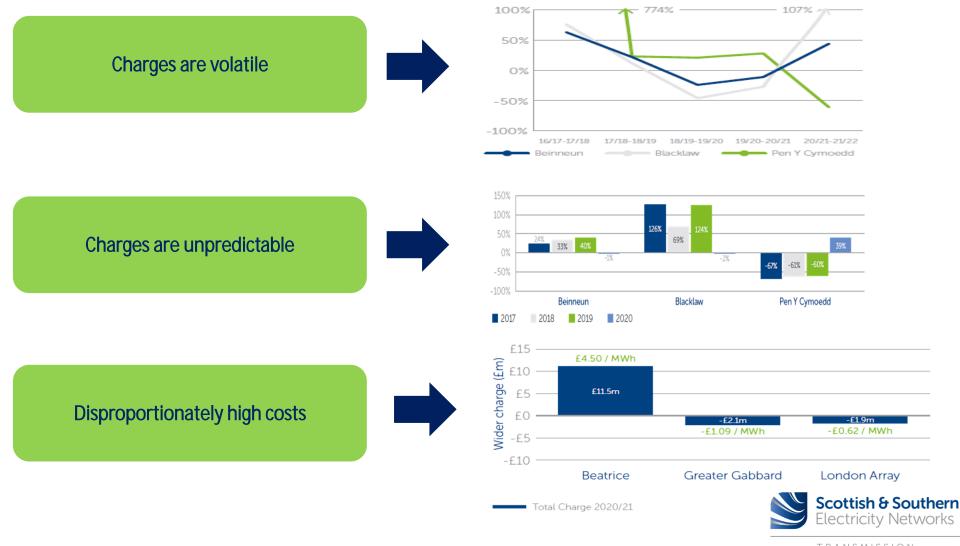








What are the current issues with TNUoS - Evidence based analysis



Further Issues

Estimated consumer cost Cashflow volatility & CfD **Volatile TNUoS risks** bid mispricing alone increasing consumer bills per GB household by 2030 No apparent value in the Crown Estate & Availability of TO decides point Crown Estate locational 'signal' for energy resources of connection. Scotland chose generators. (wind water sun) location of seabed. NGET Charge (E) 3000 2000 2000 SPEN SSEN Transmission Unpredictable TNUoS is in contrast to stable TO revenues OD 1500 1000 500 0 16/17 17/18 18/19 19/20 20/21 21/22 22/23 23/24 24/25 25/26

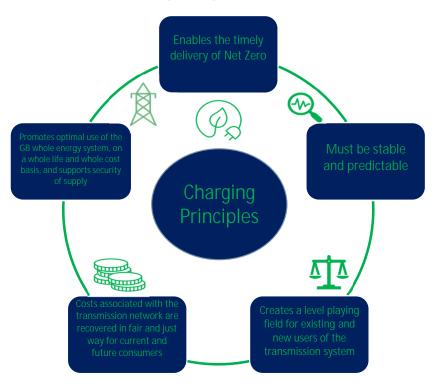
Figure 4 The maximum allowed TO charges (in 2019/20 prices)



Our view on what is required for reform

- We welcomed Ofgems CfE. Collaboration with industry is critical.
- Ø To ensure that consumers pay least cost whilst delivering net zero clear strategic direction for national policy will be critical.
- Ø Any review / reform must be practically implementable.
- Ø Broad reform must happen now, time is running out.

Our view is that a principle led review is critical





Thank you for listening

