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How can network innovation meet the Net Zero needs of customers?

Kyle Murchie

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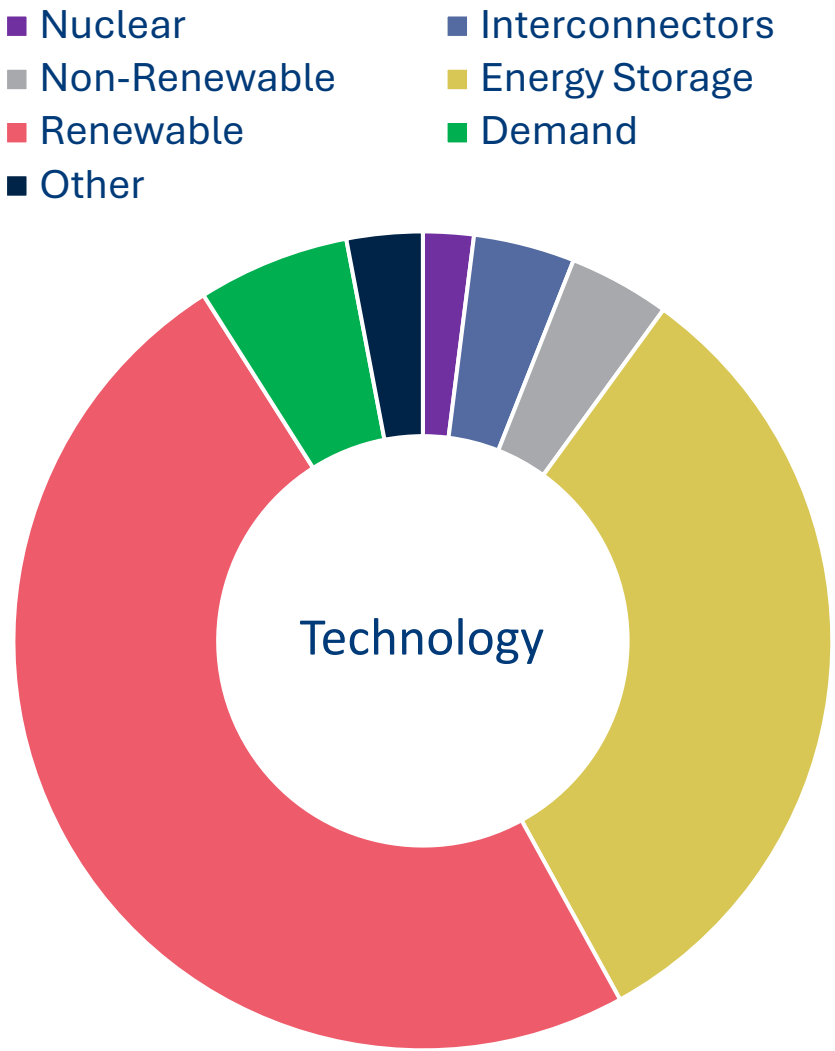
Connections Queue – July 2024

	Transmission	Distribution
Total Contracted Generation (GW)	535	149
Total Contracted Demand (GW)	19	23
New Applications Received (GW)	16	17
New Offers Accepted (GW)	3.73	2.8
Capacity Delivered (GW)	0.62	0.17



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Connections Reform

Financial Instruments

Proposed £20k/MW total User Commitment.

CP30 Plan Alignment

Introduction of the concept of “needed” projects within a specific timeframe. First timeframe is up to and including 2030, the second is proposed by NESO to be between 2031 and 2035 with no queue of projects following implementation beyond 2025.

Key Documentation / Methodologies

- Connections Network Design Methodology
- Gate 2 Criteria Methodology
- Project Designation Methodology

‘TMO4+’ Connections Reform

- CMP434 Implementing Connections Reform
- CMP435 Application of G2 Criteria to existing queue

CMP427 **LoA Onshore**

CMP376 **QM Milestones**

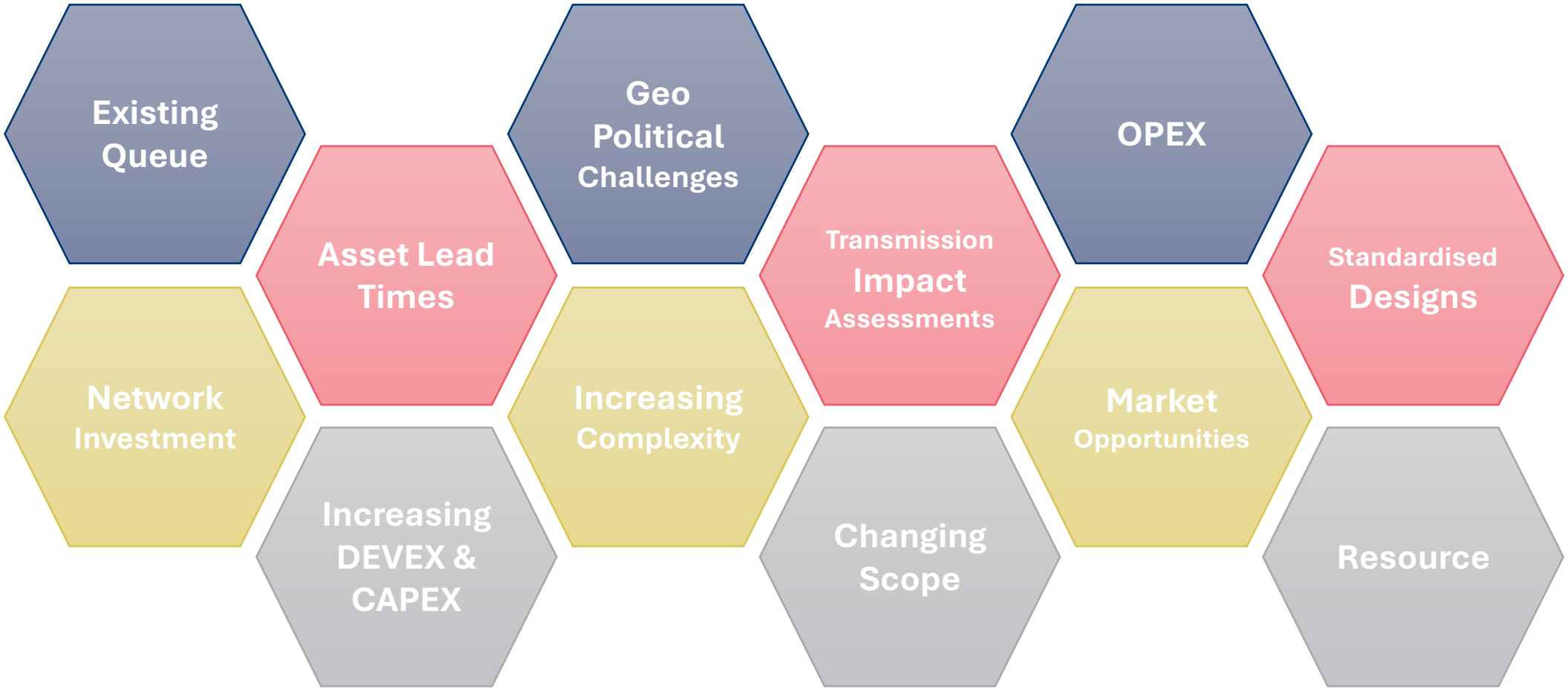
Transmission Foundation (pre-2024)

Letter of Authority

ENA **QM Milestones**

Distribution Foundation (pre-2016)

Perceived Barriers



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Innovation Solutions

There are lots of historical innovations we can draw on and perhaps better utilise as an industry. Developing and new challenges could benefit from innovation, with solutions designed to facilitate new connections and Net Zero.

Potential categories include:

Security of Supply – Flexible Connections

Capacity & Constraint Management – Markets

Consistent Transparency – Industry Data

Connections Process – Automation and Efficiency

Code Modification – Automation and Coordination

Communications – Alternative Solutions

Approved Assets – Resilience and Reliance

Cable Lay and Cable Technology – Time and Efficiency

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Questions

Welcome any questions or viewpoints

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END