



**Connections strategic change & impact to CUSC
Meeting #2**

5th September 2023

Agenda

Timing	Subject	Presenter
10:00-10:05	Introduction and Welcome	Camille Gilsean
10:05-10:15	Actions Log	Secretariat
10:15-10:25	Terms of Reference	Joseph Henry
10:25-10:55	Five Point Plan	Laura Henry
10:55-11:05	Connections Reform	Paul Mullen
11:05-11:15	Next Steps Recap	Secretariat
11:15-11:25	AOB	Camille Gilsean



Introduction & ways of working

Camille Gilsenan, ESO

Review of previous actions

ID	Description	Owner	Notes	Target Date	Status
001	Provide comments on draft ToR	All	Email comments to alison.price@nationalgrideso.com	26/07/23	Closed
002	TEC amnesty requests	LH	ESO to confirm if they will publish a summary of who has gone through TEC amnesty	05/09/23	Open
003	Queue Management – uploading evidence	LH	Giving stakeholders sight of the guidance document before publication	05/09/23	Open
004	Non-firm updates	WK/DR	Update sub-group as non-firm solution develops	05/09/23	C/F
005	Non-firm and Capacity Market	WK/DR	Speak to DESNZ to confirm that they are aware that the non-firm initiative restricts Users from participating in the CM	05/09/23	C/F
006	Non-firm and Capacity Market	WK/DR	ESO to consider if they need to do more to make it clear that a move to a non-firm product restricts operability in some markets, such as the Capacity Market	05/09/23	C/F
007	Non-firm – Curtailment information	WK/DR	What information will the rest of market have on the quantum of curtailment behind T boundaries, both ahead of time and real time?	05/09/23	C/F

Review of previous actions

ID	Description	Owner	Notes	Target Date	Status
008	Non-firm – Curtailment times	WK/DR	How long is the curtailment to be active– in market timeframes for the products being used by the ESO, such as settlement period(s) in BM?	05/09/23	C/F
009	Non-firm – Curtailment queue	WK/DR	As curtailment is to be in reverse queue order (Djaved answer a few moments ago) will users have visibility of their place in the queue, relative to other users signed up to this option, in order for them to understand the probability of curtailment?	05/09/23	C/F
010	Non-firm - process	WK/DR	<p>As more non-firm is connected on the network, how is it decided which gets turned off first? What is the process? How transparent will this be?</p> <p>For example, if there are two non-firm connections at one node – will both be restricted to 50%? Or only one asset 100% restricted? (Is it all or nothing? Or can there be partial?) etc. This needs to be completely transparent.</p> <p>Additional information added post mtg by LH: Will you rotate sites, scale or something else?</p>	05/09/23	C/F
011	Non-firm - Process	WK/DR	How is this activity accounted for beside balancing actions – what conditions would the ESO be allowed to instruct non-firm to turn down/off, or when should they take a bid/offer from another asset at the same node – national energy balancing vs. locational system impacts. How are the local impacts defined/calculated? And is it only on an energy basis, or are other system products like Short Circuit Level and Reactive power also restricted?	05/09/23	C/F

Review of previous actions

ID	Description	Owner	Notes	Target Date	Status
012	Non-firm and TNUoS task force	CG	TNUoS taskforce have non-firm as out of scope however the ESO is trying to encourage it. Reach out to TNUoS taskforce to discuss why it may not be in their scope of work	05/09/23	Open
013	Late question – received post meeting from LW: Curtailment - interruptions	WK/DR	On sign-up, a User may agree to be interrupted x times per year. Should more sites subsequently connect, can NGENSO increase the triggers that interrupt me?	C/F	Open

Terms of Reference

Joseph Henry, ESO



Suggestion	Proposed by	Action
Wording Changes	Garth Graham	Accepted into document
Communication Touchpoints	Claire Hynes	For discussion at todays meeting – can we mandate ENA/DNO representatives to attend? Is this a suitable ToR?

Ask of Subgroup

- Agree redrafted ToR



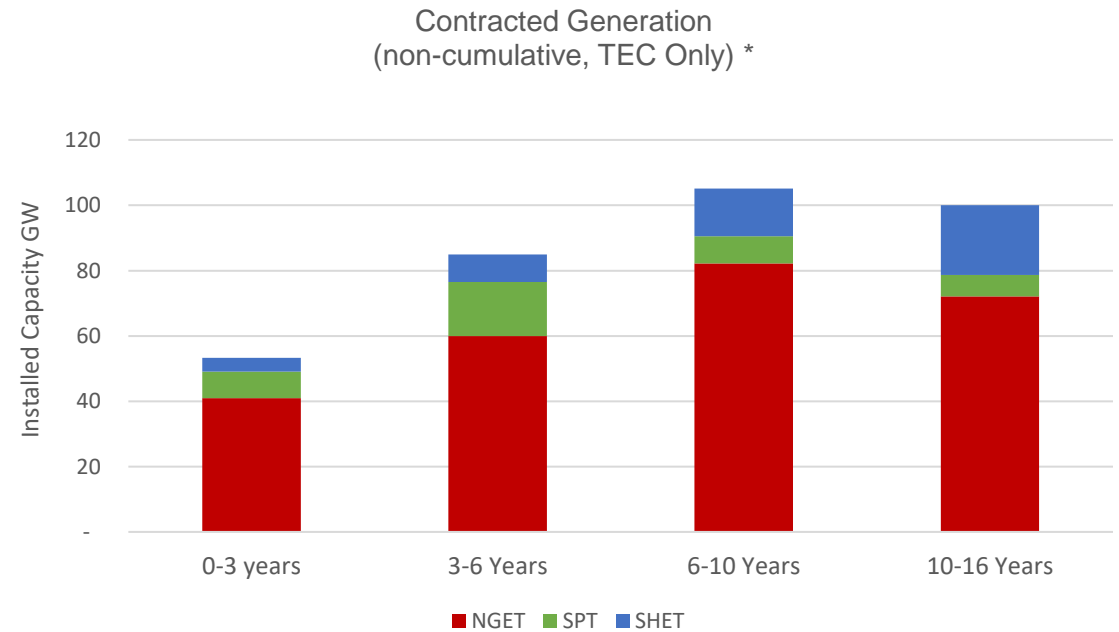
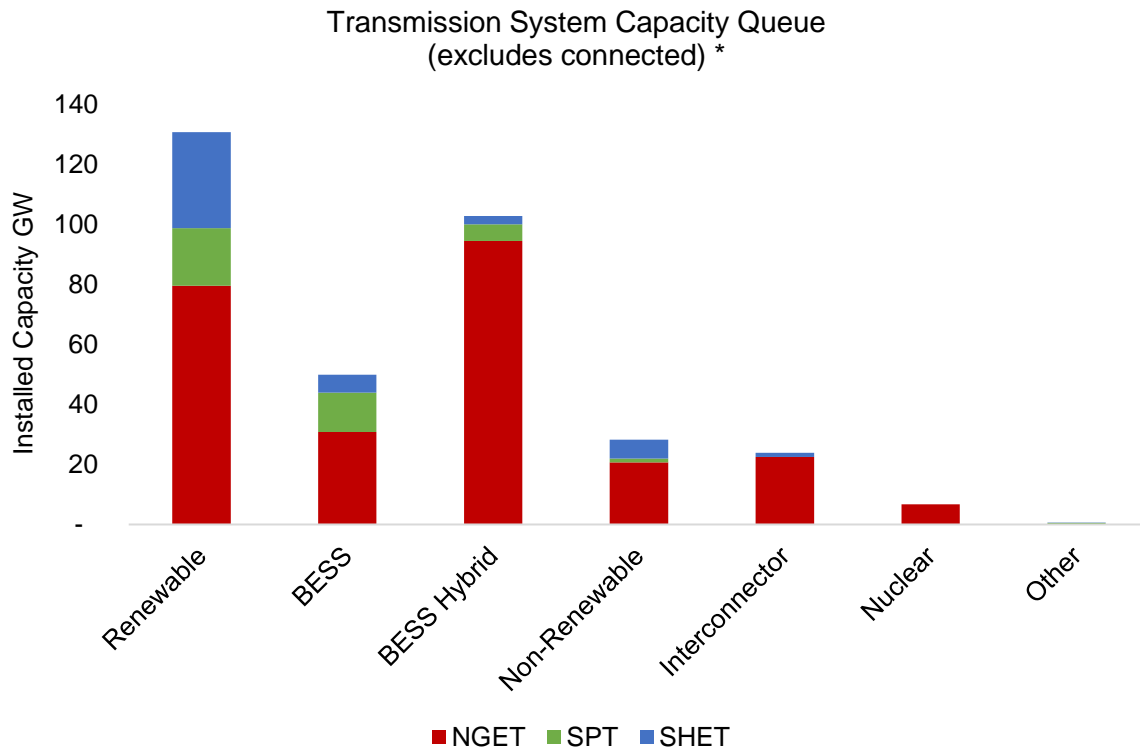
5-point plan

Laura Henry, ESO

Connections Queue

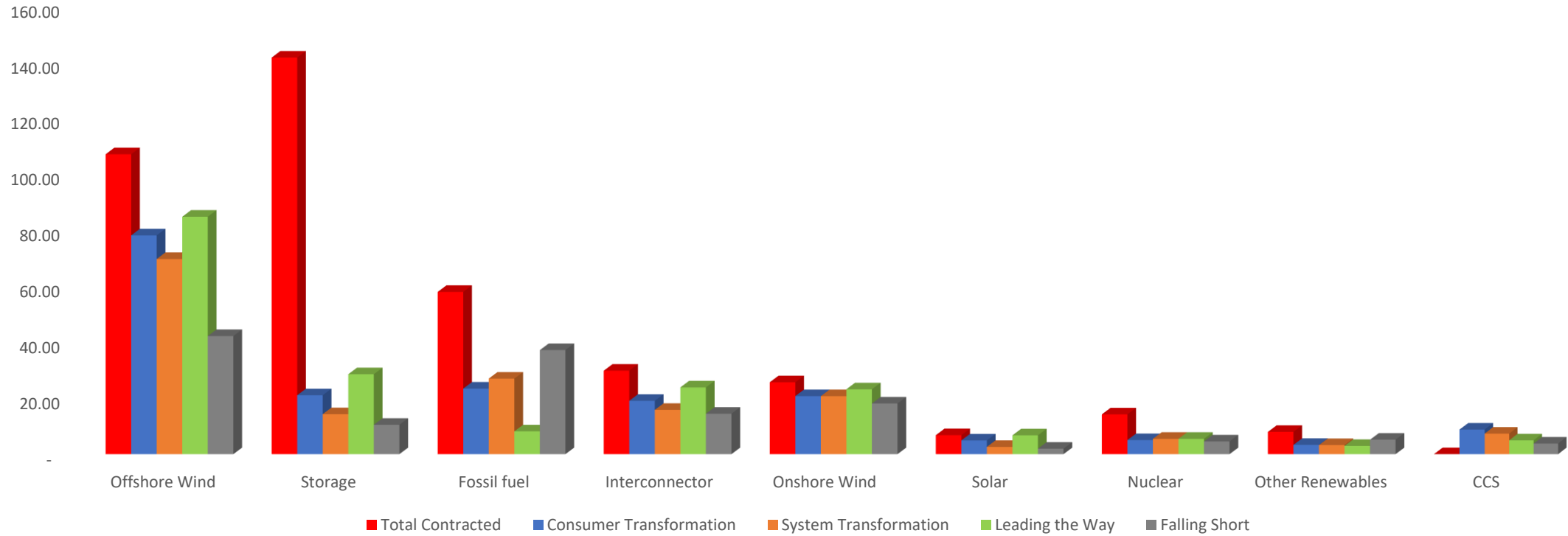
The contracted background is still growing, with more applications offsetting a falling acceptance rate to result in a process with more wasted effort.

Over **376W** of generation projects are currently seeking to connect to the electricity transmission system, yet our data shows that up to **70%** of those projects may never be built.



*Data from TEC Register on 31/05/23

FES 2035 VS Contracted Generation



	Offshore Wind	Storage	Fossil fuel	Interconnector	Onshore Wind	Solar	Nuclear	Other Renewables	CCS
Consumer Transformation	78.27	21.15	23.54	19.15	20.83	4.93	5.04	3.33	8.82
System Transformation	69.84	14.35	27.12	15.90	20.83	2.61	5.51	3.27	7.37
Leading the Way	84.91	28.69	8.19	23.95	23.28	6.75	5.51	2.95	4.96
Falling Short	42.36	10.55	37.35	14.50	18.20	1.98	4.57	5.20	3.81
Total Contracted	107.21	141.69	58.10	29.95	25.81	6.82	14.28	8.00	-

*Data from TEC Register on 30/06/23

Our 5 Point Plan

Our 5-Point Plan is helping to manage some of these immediate challenges

1. TEC Amnesty

This was the first TEC Amnesty since 2013. We received a total of 8.1GW of applications and are currently working with Ofgem to allow the termination/reduction of TEC process from connection agreements. ESO and Ofgem published a letter on 15th August confirming next steps.

2. Construction Planning Assumptions Review

We are reducing the assumptions around how many projects in the queue will connect. We expect this will allow some connection dates to be brought forward and reduce works in existing agreements.

3. Treatment of Storage

We are revising the way storage connections are modelled using insight resulting of a better understating of its behaviour. These changes will allow storage to connect quicker and support unlocking more capacity to connect others.

4. Queue Management

There is currently no mechanism in the CUSC to terminate projects that are not progressing. If changes are approved, it would allow us to terminate projects that are not progressing against their contracted milestones and agreed timescales.

5. Non-firm Offer Development

The policy aims to accelerate the connection of energy storage projects by removing the need for non-critical enabling works to be complete before they connect. We continue to look at the opportunity to roll out this approach to other connections.





Connections Reform

Paul Mullen, ESO

Next steps

- Focus topic for next meeting
- Proposed date of next meeting is Tuesday 26th September
- AOB

