ESO

Code Administrator Meeting Summary

Meeting name: CMP393 - Using Imports and Exports to Calculate Annual Load Factor for Electricity Storage - Workgroup Meeting 11

Date: 27/02/2024

Contact Details

Chair: Teri Puddefoot, ESO Code Administrator - terri.puddefoot@nationalgrideso.com
Proposer: Rob Newton, Zenobe - robert.newton@zenobe.com

Key areas of discussion

The aim of Workgroup 11 was to discuss the ESO Revenue analysis, Workgroup Report and Terms of Reference.

The Chair introduced the purpose of the Workgroup and confirmed Quoracy.

All open actions were reviewed and updated in the actions log below.

Analysis Review

The ESO representative presented the results of information provided by ESO Connections. One Workgroup member queried how storage inputs are taken into account with network planning processes. The ESO SME noted that FES looks at expected storage capacity modelled out to 2050. Storage is modelled by different technologies and also different durations. For ETYS, this is used and studied against the winter peak to identify network boundaries. In NOA, this uses a pan-European market model so the full year can be simulated. Another Workgroup member queried whether the assumption was that storage would be exporting during the winter peak, which would reduce the need for reinforcement on the network. The ESO SME confirmed this was correct. The Proposer advised that CMP393 refers to shared and non-shared year round, and not peak periods, noting that ETYS and NOA look at the winter peak. The ESO SME clarified that the ETYS uses winter peak to determine boundaries which require reinforcement, and the NOA looks at the options for reinforcement, and covers full year simulations. The Proposer queried whether NOA captured other periods which caused boundary constraints, which the ESO SME confirmed. They also noted that it would assume storage would dispatch according to the wholesale market. Another Workgroup member queried whether the 20% storage factor could be documented and used within the Workgroup Report.

One Workgroup member queried the innovation project on the Impact of Long-duration Energy Storage Systems on GB Transmission Planning and whether the assumptions would have changed given that the project occurred several years ago. The ESO SME clarified that information would be published regarding the models in March 2024.

One Workgroup member queried whether information could be shared with the Workgroup on the impact of geographic placement of large strategic demand. The ESO SME advised that this would be shared within the second iteration of the Transitional Centralised Strategic Network Plan publication in March 2024 and could not be shared prior to this.

One Workgroup member queried what the Construction Planning Assumptions (CPAs) are. One Workgroup member noted that CPAs are created by the ESO as part of the connections offer process. These assumptions are created in order to do modelling for projects. The Workgroup discussed ToR (e) which relates to CPAs, and the Proposer noted they do not believe the CPAs affect how storage operates. One Workgroup member also noted that batteries operate differently to many other storage providers. The Authority representative queried whether 0MW for storage would be assumed for connections, and noted an answer to this would be required to meet the Terms of Reference.

Workgroup Report

The Workgroup reviewed the Workgroup Report.

One Workgroup member requested clarity within the Workgroup Report that it is the storage ALF being floored at zero, rather than the TNUoS charge.

One Workgroup member queried whether there were any costs to the ESO of implementing CMP393, other than IT costs. The ESO representative noted that they have not identified any additional costs for implementation outside of existing BAU activity.

One Workgroup member queried whether the Workgroup had covered ToR (j) which requires the Workgroup to consider whether it is necessary to create a new generation classification for storage. Another Workgroup member noted that an Alternative solution was considered within Annex 9 of the Workgroup Report, and advised that the Workgroup considered this to be out of scope for the modification.

Legal Text Review

The ESO representative noted that CMP316 proposes changes to the same paragraph of legal text as CMP393. The ESO representative presented the CMP393 legal text overlaid onto the CMP316 legal text, with minor amendments to allow the legal text to work together. The Workgroup agreed these amendments in the legal text.

Next Steps

The chair advised the Workgroup on the next steps as follows:

- Additional Workgroup scheduled for 05 March 2024.
- Workgroup to provide further comments on the Workgroup Report.

Actions

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
37	WG10	SD	Discuss with the NOA team and provide further information to the WG as requested	NA	ASAP	Closed
38	WG10	DH	Provide further analysis to include pumped hydro sites	NA	WG11	Closed
39	WG10	All	Review WG Report from pg. 11 in more detail	NA	16/02/24	Closed
40	WG10	DJ/DH	Discuss wider analysis	NA	WG11	Closed
41	WG10	LT	Confirm if Construction Planning Assumption is a defined term and amend if needed	This is not a defined term in the CUSC	WG11	Closed
42	WG11	SB/TP/DJ	Discuss CPA analysis offline to confirm if anything further is required	Meeting held on 27/02/24	ASAP	Open
43	WG11	TP	Cross reference Terms of Reference with the Workgroup Report	Circulated to Workgroup on 28/02/24	ASAP	Open

Attendees

Name	Initial	Company	Role
Teri Puddefoot	TP	Code Administrator, ESO	Chair
Lizzie Timmins	LT	Code Administrator, ESO	Tec Sec
Tom Palmer	TP	Zenobe	Proposer
Steve Dale	SD	ESO	ESO Rep
Damian Clough	DC	SSE Generation	Workgroup Member
David Jones	DJ	Ofgem	Authority Representative
Grazina Macdonald	GM	Waters Wye Associates	Alternate
Joe Colebrook	JC	Innova Renewables	Workgroup Member
John Prime	JP	EnergyGridPower Ltd	Workgroup Member
Mark Field	MF	Sembcorp	Workgroup Member
Paul Youngman	PY	Drax	Workgroup Member
Rob Nickerson	RN	ESO	SME

Ryan Ward	RW	Scottish Power Renewables UK Ltd.	Alternate
Simon Vicary	SV	EDF Energy	Alternate