CMP393 - Using Imports and Exports to Calculate Annual Load Factor for Electricity Storage

Workgroup 10 – 7 February 2024

Online Meeting via Teams

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Objectives

Teri Puddefoot – ESO Code Administrator

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Objectives

- **Review actions log**
- **Review timeline**
- **Legal Text review**
- **Workgroup Report**

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Review of Actions Log

Teri Puddefoot – ESO Code Administrator

Actions Log

Action number	Workgroup Raised	Owner	Action	Comment	Due by	Status
21	WG6	RDL	Discuss impact of charges with revenue team	To be completed for WG10	WG8	Open
26	WG7	RDL	Provide one off implementation costs to Zenobe	NA	WG8	Open – Steve to update

Proposed New Timeline for CMP393

| Stage	Dates	Comments
Workgroup 8	17/08/23	Update on actions and next steps
Workgroup 9	11/01/24	Review solutions and legal text
Workgroup 10	07/02/24	Review Workgroup Report
Workgroup 11	27/02/24	Finalise Workgroup Report, complete Workgroup Vote
Workgroup Report to Panel	14/03/24	Panel 22/03/24
Post Workgroups		
Code Administrator Consultation	03/04/24 – 24/04/24	
Draft Final Modification Report to Panel	23/05/24	Panel 31/05/24
Final Modification Report to Panel to check Votes	05/06/24 – 12/06/24	
Final Modification to Ofgem / Appeals Window opened	17/06/24	Decision required by 30 Sep 24
Implementation Date	01/04/25	

Legal Text Review

Stephen Dale, ESO

Definitions Red text is what has been included in legal text

Definitions	Meaning in Code	Code
Electricity Generation	The process of generating electricity by a **Generator**.	CUSC
Electricity Generation Facility	Is a facility where **Electricity Generation** occurs as its sole function.	CUSC
Electricity Storage	The conversion of electrical energy into a form of energy which can be stored, the storing of that energy, and the subsequent reconversion of that energy back into electrical energy.	CUSC
Electricity Storage Facility	is a facility where **Electricity Storage** occurs as its sole function.	CUSC
Generator	As defined in the **Grid Code**	CUSC
Generator	A person who generates electricity or undertakes **Electricity Storage** under licence or exemption under the **Act**, acting in its capacity as a generator in **Great Britain** or **Offshore**. The term **Generato**r includes a **EU Generator** and a **GB Generator**	Grid Code
Electricity Storage	The conversion of electrical energy into a form of energy which can be stored, the storing of that energy, and the subsequent reconversion of that energy back into electrical energy.	Grid Code
Pumped Storage	A hydro unit in which water can be raised by means of pumps and stored to be used for the generation of electrical energy;	Grid Code

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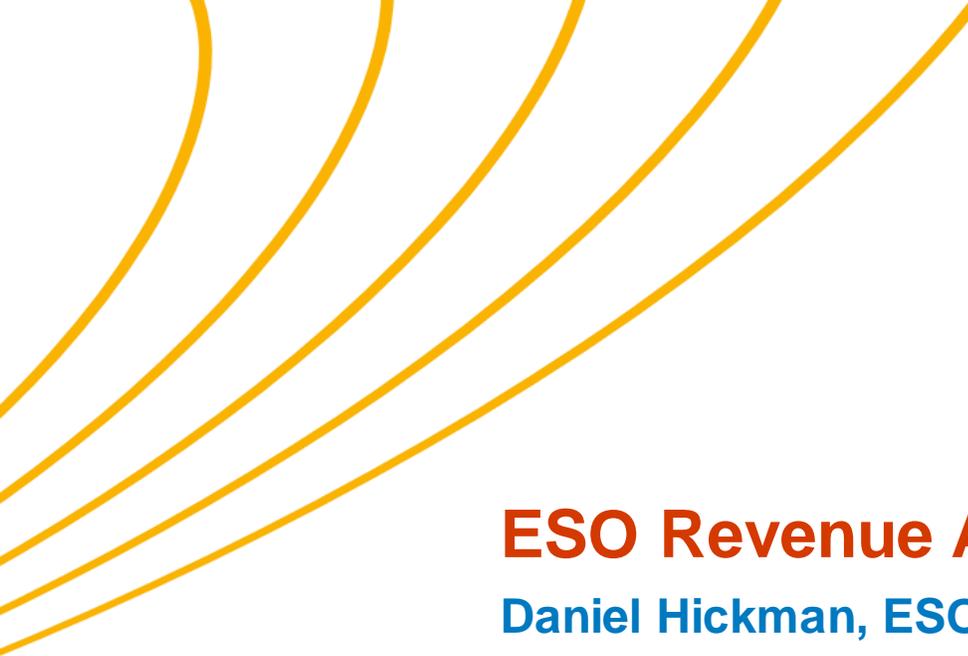
ESO Revenue Analysis

Daniel Hickman, ESO

Workgroup Report

All

Review Terms of Reference

Teri Puddefoot – ESO Code Administrator

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CMP393 –Terms of Reference

Workgroup Terms of Reference
a) Consider Electricity Balancing Regulations implications
b) Consider why this change only applies to a subset of storage technologies (i.e. battery and pumped storage).
c) Undertake analysis on the behaviour of storage relative to the charging methodology of peak, year-round not shared, and year-round shared. This should include consideration of how storage acts in wholesale, balancing, and ancillary markets This should include consideration of duration of storage for management of constraints
d) Consider any interactions with the TNUoS Taskforces, in-flight Modifications (CMP316,CMP331 and CMP405) and the current NETS SQSS review in terms of the treatment of storage
e) Consider how CMP393 interacts with ESO's ongoing work on Construction Planning Assumptions for storage as part of the new Two Stage Offer process in England and Wales.
f) Consider the appropriateness of the solution for both positive and negative charging zones.
g) Consider whether the use of a 'net' as opposed to 'gross' ALF is consistent with the concept of 'Sharing' related to the Year Round Background.
h) Consider the potential costs of implementing CMP393 to the ESO.
i) Consider how implementing CMP393 would impact other parties and assets, including TNUoS charges.
j) Consider whether it is necessary to create a new generation classification for storage.

AOB & Next Steps

Teri Puddefoot – ESO Code Administrator

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