

CMP316: TNUoS Arrangements for Co- located Generation Sites

Workgroup 17, 06 May 2025

Online Meeting via Teams

WELCOME

Agenda

Topics to be discussed	Lead
Introductions and Objectives	Chair
Review of Actions	Chair
Timeline Review	Chair
Proposer's Update	Proposer
Review Legal Text	Proposer
Review Terms of Reference	All
AOB & Next Steps	Chair

Workgroup Membership

Role	Name	Alternate	Company
Chair	Lizzie Timmins		Code Administrator, National Energy System Operator
Technical Secretary	Jess Rivalland		Code Administrator, National Energy System Operator
Proposer	Martin Cahill		National Energy System Operator
Workgroup Member (and WACMI Proposer)	Lauren Jauss		RWE
Workgroup Member	Garth Graham	Edda Dirks	SSE
Workgroup Member	Robert Longden		Cornwall Insight
Workgroup Member	Ryan Ward	Hector Perez	Scottish Power
Workgroup Member	Rob Smith		Enso Energy
Workgroup Member	Joe Colebrook		Innova
Authority Representative	Daniel Ffrench-Mullen		Ofgem

Public Expectations of a Workgroup Member

Contribute to the discussion

Be respectful of each other's opinions

Language and Conduct to be consistent with the values of equality and diversity

Do not share commercially sensitive information

Be prepared – Review Papers and Reports ahead of meetings

Complete actions in a timely manner

Keep to agreed scope

Email communications to/cc'ing the .box email

Your Roles

Help refine/develop the solution(s)

Bring forward alternatives as early as possible

Vote on whether or not to proceed with requests for Alternatives

Vote on whether the solution(s) better facilitate the Code Objectives

Review of Actions

Lizzie Timmins – NESO Code Administrator



CMP316 Actions Log

Number	Owner	Action	Update	Status
2	MC	Provide comments on LDTEC/STTEC potential issue	MC/GG due to meet w/c 28 April	Open
6	MC	Share the updated legal text with Workgroup members ahead of the next Workgroup	Circulated within Workgroup 17 Papers	Open – propose to close
7	MC	Make a decision on whether to use Maximum Capacity or Installed Capacity in the legal text	Please see legal text circulated as part of Workgroup 17 Papers	Open – propose to close
8	MC	Provide an example of the Generic ALF issue to clarify the calculation discrepancies.	Circulated within Workgroup 17 Papers	Open – propose to close

Timeline Review

Lizzie Timmins – NESO Code Administrator

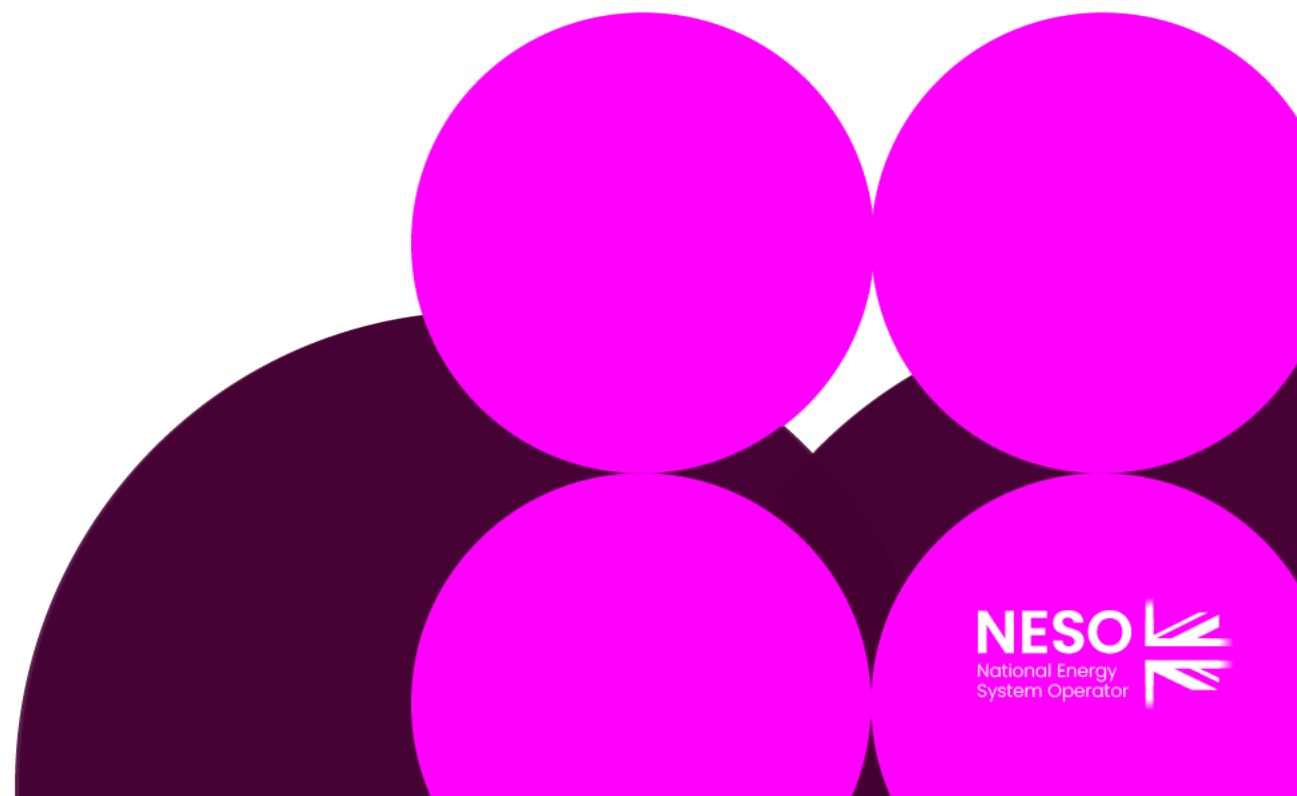


New proposed timeline for CMP316

Milestone	Date	Milestone	Date
Workgroup 15 – Review simplified worked example and intention of WACM1	31 March 2025	Draft Final Modification Report (DFMR) issued to Panel	14 August 2025
Workgroup 16 – Refine solution and review legal text	24 April 2025	Panel undertake DFMR recommendation vote	22 August 2025
Workgroup 17 – Refine solution and review legal text	06 May 2025	Final Modification Report issued to Panel to check votes recorded correctly	26 August 2025 to 02 September 2025
Workgroup 18 – Finalise solution and legal text, reconfirm Workgroup Vote, finalise Code Administrator Consultation	05 June 2025	Final Modification Report issued to Ofgem	03 September 2025
Code Administrator Consultation issued to Panel for approval	19 June 2025	Ofgem decision	Required by 30 September 2025
Code Administrator Consultation	01 July 2025 to 19 July 2025	Implementation Date	01 April 2026

Proposer's Update

Martin Cahill – NESO



Generic ALFs

From the WACM proposal form:

- iii) Where generic ALFs are used in the calculation of the Shared Year Round tariff, the final calculation should use 'scaled' generic ALFs that more accurately reflect the implied output, as the Shared Year Round tariff is calculated against pro-rated TEC as under the Original Proposal. The factor used to scale the generic ALFs would be calculated as the total Installed Capacity for the station divided by the total TEC for the station.

Generic ALFs

Example:

BMU 1 = 20MW, Export = 87,600MWh

BMU2 = 40 MW, Export = 262,800MWh

TEC = 50MW

MTEC = 16.66MW BMU1, 33.33MW BMU2

ALF equation in WACM is:

ALF BMU1 = Export / (MTEC x 8760)

= 87600/(16.66 x 8760) = 60%

Whereas a generic ALF of 60% doesn't take into account sharing of TEC – e.g. equivalent export for a 20MW BMU would be:

ALF = 87,600/(20 x 8760) = 50%

Generic ALFs

Simple way of 'scaling' a generic ALF – estimate 'export' using generic ALF:

Where a **Power Station** uses a generic ALF as described in 14.15.107 and 14.15.111-14.15.114, GWh_{pBMU} can be estimated using:

$$GWh_{pBMU} = Generic\ ALF_{BMU} \times Installed\ Capacity_{BMU} \times 8760$$

Other legal text considerations

Acronyms

Previous	Use	Proposed
MTPSTEC – Multi Technology Power Station TEC	Used in original to pro rata TEC across BMUs, and in the WACM for YRNS and Adjustment calculations	MTEC - Multi Technology Power Station TEC
MTPSTECPk – Multi Technology Power Station TEC Peak charge	Pro-rata TEC used in calculation of Peak charge in WACM	MTECP – Multi Technology Power Station TEC Peak charge
MTPSECS – Multi Technology Power Station Effective Capacity Scaled	Used in calculation of Year Round Not Shared charge	MTECN – Multi Technology Power Station TEC Year Round Not Shared charge

Other legal text considerations

MTECN/MTPSECS calculation

- We discussed potentially breaking this down into two steps last workgroup
- This is consistent with solution examples provided before sendback
- From Annex 8 worked examples:

Effective Capacity = Max Capacity x **EALF**

If total effective capacity exceeds TEC (which it does in this example), it is then scaled to equal TEC. This is summarised in legal text by introducing MTPSECS (Muti Technology Power Station Effective Capacity Scaled)

Effective Capacity = **EALF** x Max Capacity:

Wind = 100% x 50 = 50.00MW

CHP = 124.86% x 40 = 49.94MW

Battery = 46.61% x 15 = 6.99MW

This gives a total of 107 MW, meaning that capacity needs to be scaled by 60/107:

Effective Capacity Scaled

Wind: 28.05MW

CHP 28.02MW

Battery = 3.92MW

Other legal text considerations

MTECN/MTPSECS calculation

Last iteration of legal text did these two steps with one equation:

MTPSECS is introduced for the purpose of calculating the Year Round Not Shared Element of the generation charge (Multi Technology Power Station Effective Capacity Scaled). It uses the EALF (as per 14.15.104) multiplied by the technology maximum capacity, and then scaled so that total effective capacity does not exceed the PS TEC.

$$MTPSECS_{is} = \min \left(\frac{EALF_i \times CAP_i}{\sum_{i=1}^m EALF_i \times CAP_i} \right) \times TEC_s, (EALF \times CAP_i)$$

New legal text proposal:

MTECN is introduced used for the purpose of calculating the Year Round Not Shared Element of the generation charge (multi-technology ~~Power Station Effective Capacity Scaled~~). It is calculated initially as the **Installed Capacity** of a **BM Unit** multiplied by the EALF, and then scaled so that the total of MTECN for all **BM Units** cannot exceed TEC.

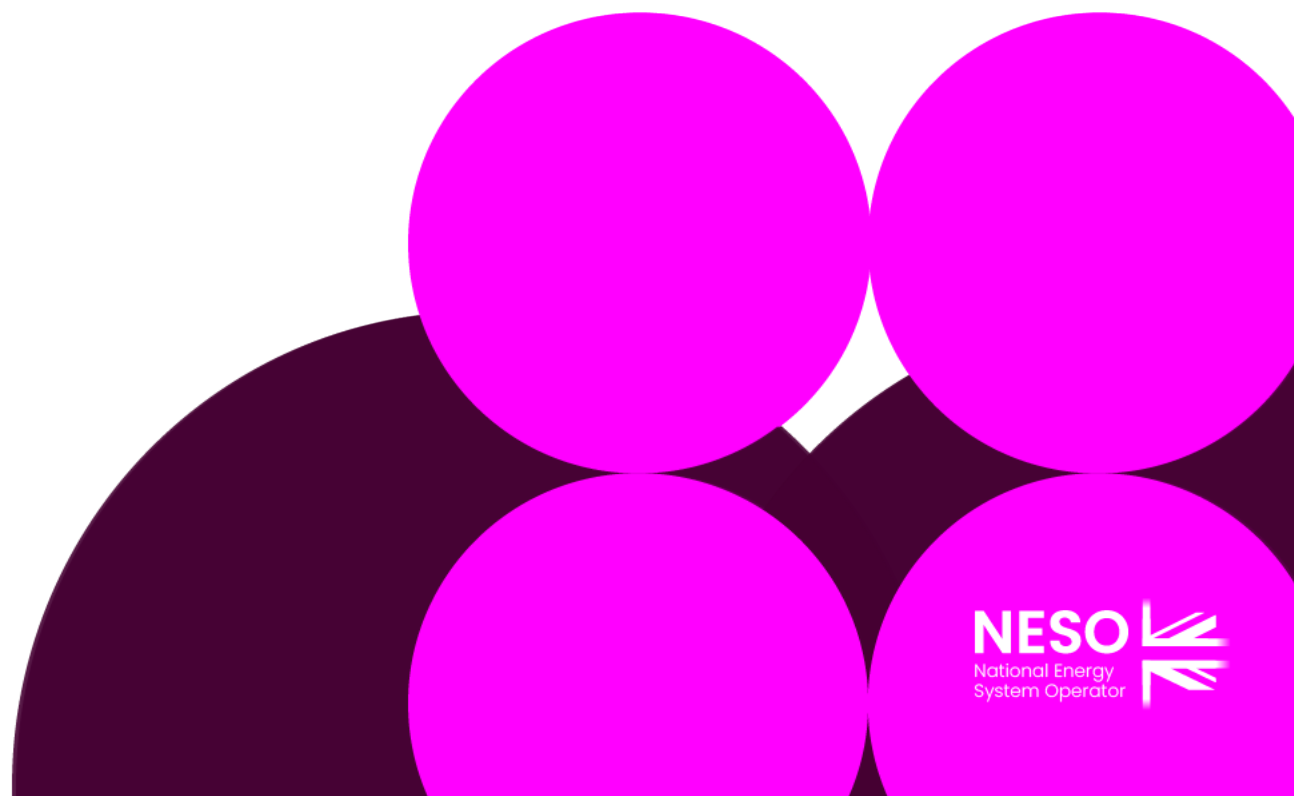
$$MTECN_{BMU}(unscaled) = CAP_{BMU} \times EALF$$

If total MTECN is less than TEC, then the above equation gives the final value of MTECN. If it exceeds TEC, then the following multiplier is required:

$$Multiplier = \frac{TEC}{\sum_{BMU} MTECN_{BMU}(unscaled)}$$

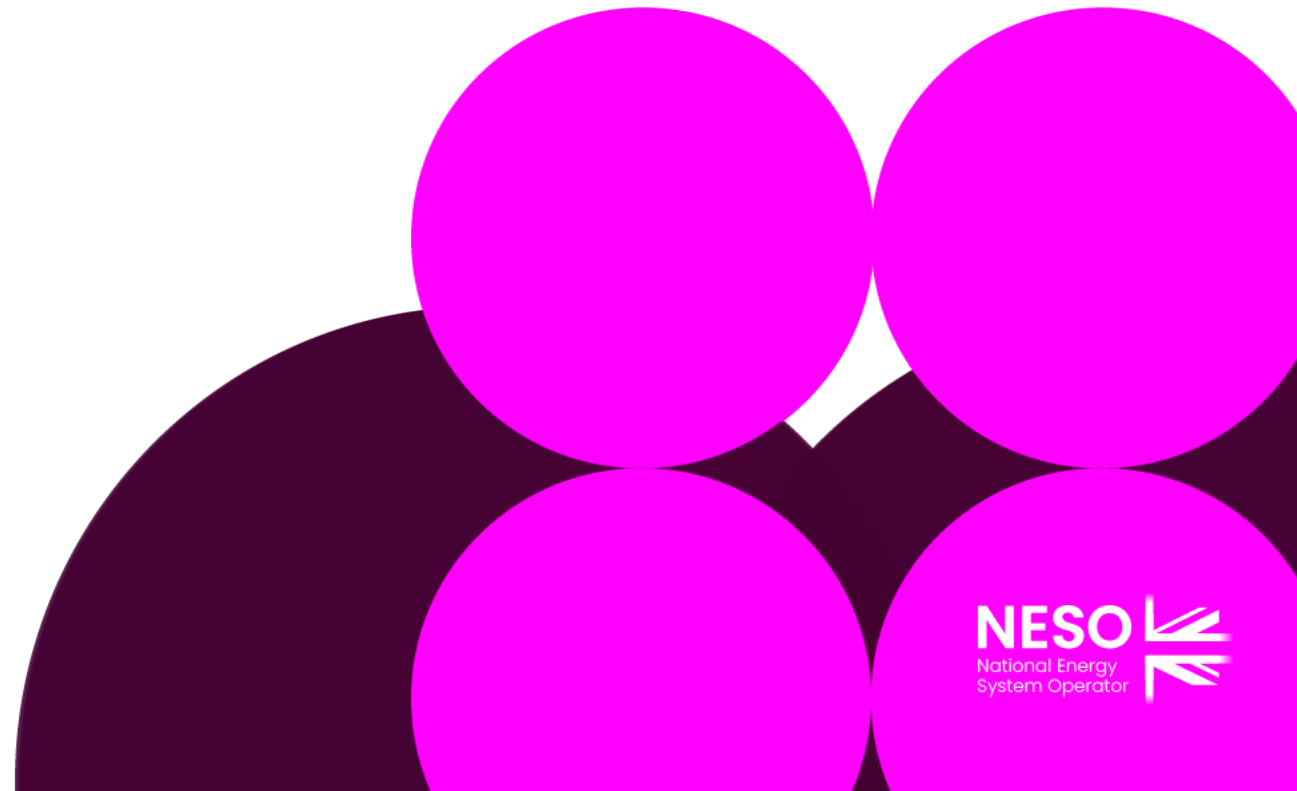
Review Legal Text

Martin Cahill – NESO



Review Terms of Reference

Lizzie Timmins – NESO Code Administrator



Terms of Reference

CMP316 Send Back Terms of Reference

- a) Ensure the Original solution legal text addresses the modification defect, the issues identified in the send-back letter, and is legal and operable.
- b) Ensure WACM1 legal text addresses the modification defect, the issues identified in the send-back letter, and is legal and operable.
- c) Investigate whether any simplifications can be made to the legal text so it can be more easily understood by stakeholders.

AOB & Next Steps

Lizzie Timmins – NESO Code Administrator

