



Public

# Capacity Volume Register & Volume Reallocation

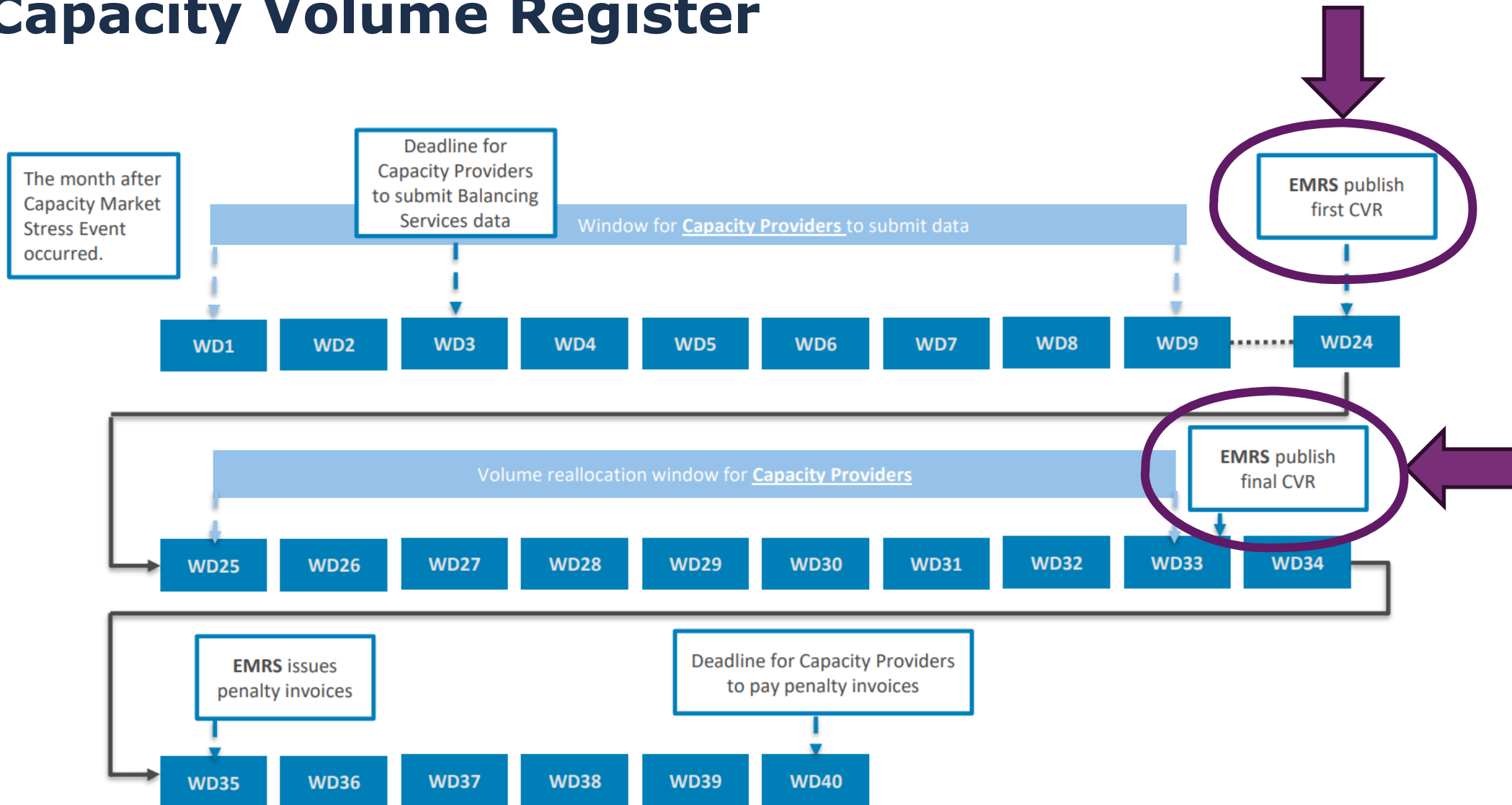
January 2025

Serena Tilbury

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# Capacity Volume Register



# Capacity Volume Register (CVR)

- ✦ The **Capacity Volume Register (CVR)** provides detailed insights into the performance of each CMU in meeting its obligations during a Stress Event.

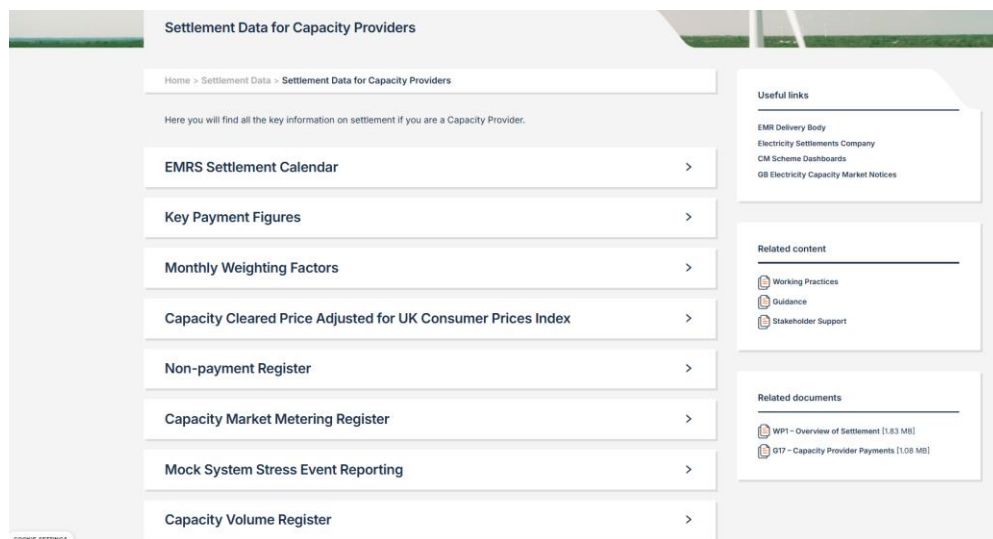
CMU Id	Settlement Date	Settlement Period	AACO	PTCO	SCO	E	ALFCO	LFCO	LFCO Multiplier	RFR	ILR	IUD	IOD	ACMV	AE
abc_12	dd/mm/yyyy	xx	xx.xxx	x	x	xx.xxx	x.xxx		x.xxx	xxx	x	xx.xxx	xx.xxx	x	xx.xxx

# Understanding the Capacity Volume Register (CVR)

Data Item	Meaning	Calculations used in
CMU ID	Unique identifier for the CMU	N/A
Settlement Date	Settlement Date for Stress Event	N/A
Settlement Period	The Settlement Period in the Settlement Date to which the Stress Event refers	N/A
AACO	The Auction Acquired Capacity Obligation of the CMU	ALFCO, Penalty Charges, Over Delivery Payments
PTCO	The Physically Traded Capacity Obligation of the CMU	ALFCO, Penalty Charges, Over Delivery Payments
SCO	The Suspended Capacity Obligation of the CMU	ALFCO
E	Output of a CMU	Output, ALFCO, Penalty Charges
ALFCO	This is a Capacity Provider's committed obligation for a settlement period during a Capacity Market Stress Event, with balancing services taken into account,	ALFCO, Penalty Charges, Over Delivery Payments
LFCO	The Load Following Capacity Obligation (LFCO) of a Capacity Committed CMU in a given Settlement Period in MWh	ALFCO
LFCO Multiplier	The LFCO Multiplier sums all CMUs (including Volume Reallocation Registered Participants (VRRP) with no obligation) their Output in MWh for a ½ hr RSP, so doubled. It then adds any Involuntary Load Reduction (ILR) and the Reserve for Response (RfR).  The total of the above representing the actual CM response, which is then divided by the total Capacity Obligation (net of any Suspended Capacity Obligation (SCO) because of CMUs failure to demonstrate Satisfactory Performance Days (SPD)) – this gives the Multiplier (or scaling factor), which cannot be greater than 1, ie it cannot increase Capacity Agreement obligations.	ALFCO
RfR	Reserve for Response (RfR), used in the LFCO Multiplier, is published by SO in their annual Capacity Report.	ALFCO
ILR	The aggregate volume of load shed (known as the Involuntary Load Reduction) by Distribution Network Operators in the Settlement Period (in MW).	ALFCO
IOD	Initial Over Delivered Volumes in MWh	N/A
IUD	Initial Under Delivered Volumes in MWh	N/A
ACMV	The Aggregated traded Capacity Market Volume	Penalty Charges
AE	The Adjusted metered output in MWh (AE) (equal to E plus ACMV)	Penalty Charges, Over Delivery Payments

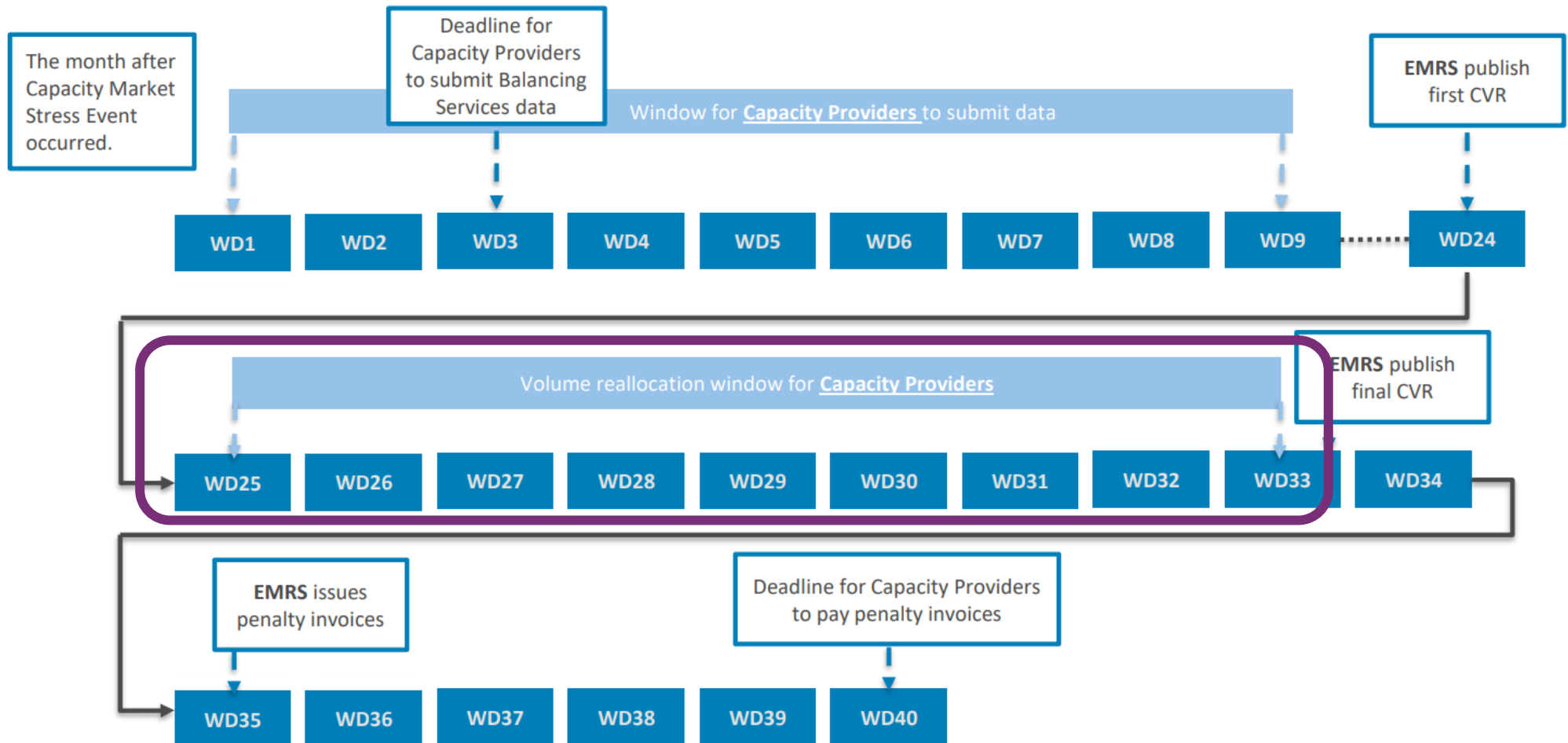
- The **Capacity Volume Register (CVR)** is a critical tool that provides essential performance data for each CMU (Capacity Market Unit) during a **Capacity Market Stress Event**.
- It plays a key role in supporting **Volume Reallocation**, reflecting all Capacity Providers' final positions as of the closure of the volume reallocation window on **WD33**.
- The CVR ensures transparency and accuracy in capacity market operations, enabling efficient volume reallocation during stress events.

# CVR Access and Management

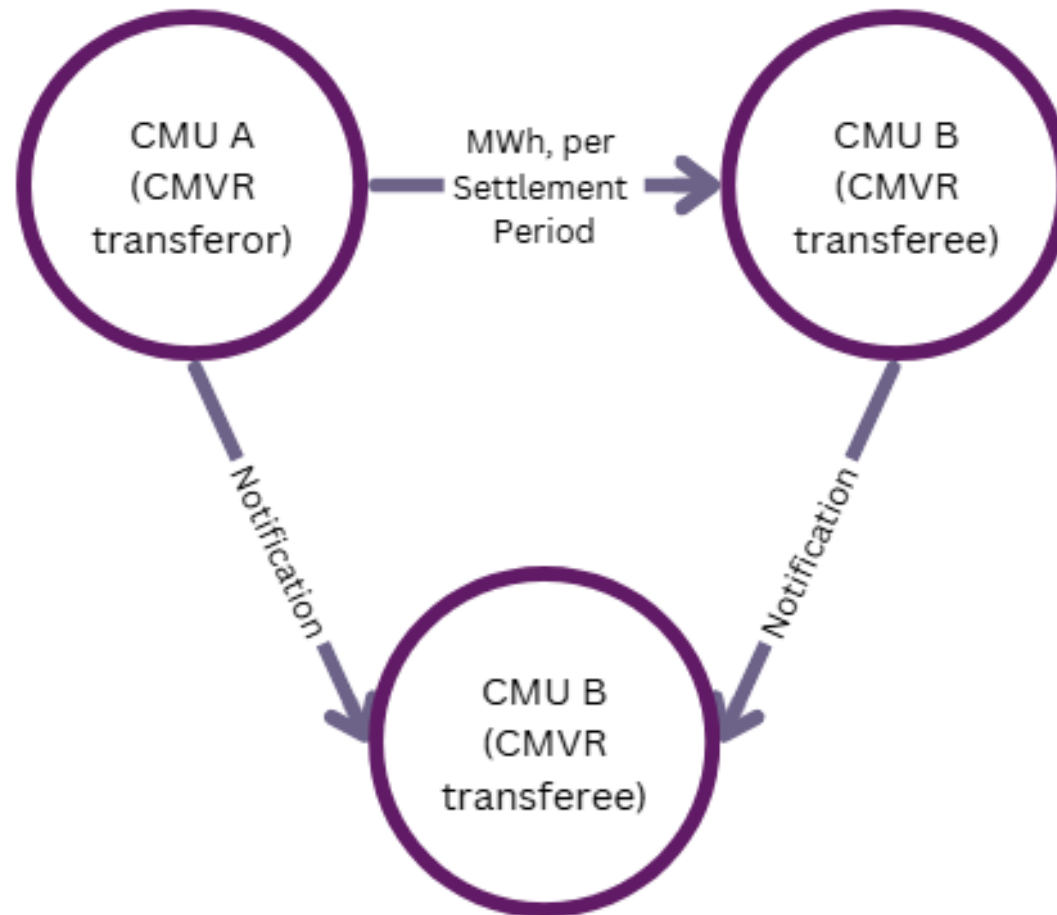


- ✦ You can access the **Capacity Volume Register (CVR)** on the Settlement Data for Capacity Providers webpage.
- ✦ Additionally, the new **T070 'CM Stress Event Position'** backing data file provides comprehensive support for the CVR. It includes all the data items used in calculating each figure found within the register.
- ✦ You can access the T File CSV Format Backing Data on the Interface Definitions webpage


# Volume Reallocation Window



# Volume Reallocation



# My EMRS: Registration and Volume Reallocation



EMR SETTLEMENT LIMITED

- Dashboard
- Registration
- Party Details
- Party Data
- CP Metered Data
- CMVRN

My EMRS / Cutup / Dashboard / Volume Reallocation Windows / 1

## Volume Reallocation Window

### A Guide to Volume Reallocation Windows

Trading Windows will run from 11th to 19th working days (inclusive) in the month following the Stress Event.

Volume can be traded for multiple stress events in the same trading window.

### Volume Reallocation Window Details

Delivery Year	2021/22
Start of Volume Reallocation Window	11 March 2022
End of Volume Reallocation Window	19 March 2022

### Stress Event Details

Start Date	11 Feb 2022
Start Settlement Period	5
End Date	11 Feb 2022
End Settlement Period	7

# Registration Details

- Please ensure your registration details are up to date
- Please submit and monitor Capacity Market Volume Reallocation Notifications (CMVRNs)
- EMRS is responsible for validating and matching them to their counterparts and notifying the Capacity Providers of the outcome
- EMRS publish the Capacity Volume Register (CVR) daily during the Volume Reallocation window
  - Please see WP48 – Volume Reallocation and G25 – My EMRS User Guide for support in submitting CMVRNs on My EMRS and G4 – EMR and Nuclear RAB Settlement Authorisations for ensuring you have the appropriate Authorised Contacts up to date



# Further Information and Guidance

- Capacity Volume Register (CVR)
- Settlement Data for Capacity Providers
- Guidance on Capacity Provider Payments (G17)
  - Auction Acquired Capacity Obligation (AACO): Guidance Document
  - Suspended Capacity Obligation (SCO): Webinar Slides
  - My EMRS
  - Capacity Market Stress Event Guide (G18)

# Data Items Used in the CVR (1/4)

Data Item	Meaning	Calculations used in
CMU ID	Unique identifier for the CMU	N/A
Settlement Date	Settlement Date for Stress Event	N/A
Settlement Period	The Settlement Period in the Settlement Date to which the Stress Event refers	N/A
AACO	The Auction Acquired Capacity Obligation of the CMU	ALFCO, Penalty Charges, Over Delivery Payments
PTCO	The Physically Traded Capacity Obligation of the CMU	ALFCO, Penalty Charges, Over Delivery Payments
SCO	The Suspended Capacity Obligation of the CMU	ALFCO
E	Output of a CMU	Output, ALFCO, Penalty Charges

# Data Items Used in the CVR (2/4)

Data Item	Meaning	Calculations used in
ALFCO	This is a Capacity Provider's committed obligation for a settlement period during a Capacity Market Stress Event, with balancing services taken into account,	ALFCO, Penalty Charges, Over Delivery Payments
LFCO	The Load Following Capacity Obligation (LFCO) of a Capacity Committed CMU in a given Settlement Period in MWh	ALFCO

# Data Items Used in the CVR (3/4)

Data Item	Meaning	Calculations used in
LFCO Multiplier	<p>The LFCO Multiplier sums all CMUs (including Volume Reallocation Registered Participants (VRRP) with no obligation) their Output in MWh for a ½ hr RSP, so doubled. It then adds any Involuntary Load Reduction (ILR) and the Reserve for Response (RfR).</p> <p>The total of the above representing the actual CM response, which is then divided by the total Capacity Obligation (net of any Suspended Capacity Obligation (SCO) because of CMUs failure to demonstrate Satisfactory Performance Days (SPD)) – this gives the Multiplier (or scaling factor), which cannot be greater than 1, ie it cannot increase Capacity Agreement obligations.</p>	ALFCO
RfR	Reserve for Response (RfR), used in the LFCO Multiplier, is published by SO in their annual Capacity Report.	ALFCO

# Data Items Used in the CVR (4/4)

Data Item	Meaning	Calculations used in
ILR	The aggregate volume of load shed (known as the Involuntary Load Reduction) by Distribution Network Operators in the Settlement Period (in MW).	ALFCO
IOD	Initial Over Delivered Volumes in MWh	N/A
IUD	Initial Under Delivered Volumes in MWh	N/A
ACMV	The Aggregated traded Capacity Market Volume	Penalty Charges
AE	The Adjusted metered output in MWh (AE) (equal to E plus ACMV)	Penalty Charges, Over Delivery Payments

# Resources

Together with the Delivery Partners we have consolidated information into a central guidance document, **G18 - Capacity Market Stress Event Guide** to support Capacity Providers being prepared if a System Stress Event were to occur.

We hope you found this training video useful and within the System Stress Event series we have the followings topics:

## Titles

System stress Event (SSE) Overview

Relevant Balancing Services

Capacity Market Notice (CMN) and Electricity Margin Notice (EMN)

If you have any feedback or suggestions for further topics, please do let us know. We'd welcome your feedback.

# Contact Details

## **EMR Delivery Body**

- ✦ [emr@nationalgrideso.com](mailto:emr@nationalgrideso.com)
- ✦ 01926 655300
- ✦ Opening hours  
9:00 – 17:00 Monday – Thursday  
9:00 – 16:00 Friday

<https://www.emrdeliverybody.com/>

## **EMRS**

- ✦ [contact@emrsettlement.co.uk](mailto:contact@emrsettlement.co.uk)
- ✦ 020 7380 4333
- ✦ Opening hours  
8:30 – 17:30 Monday – Friday
- ✦ <https://www.emrsettlement.co.uk/>

## **Electricity Settlement Company**

- ✦ [info@electricitysettlementscompany.uk](mailto:info@electricitysettlementscompany.uk)



**EMR  
SETTLEMENT  
LIMITED**



**LOW CARBON  
CONTRACTS COMPANY**



**Electricity  
Settlements  
Company**