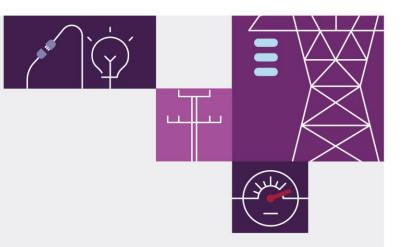# WEM PaSS 3.7
Release Notes

November 2024

Important Notice

Purpose

The Australian Energy Market Operator (AEMO) has prepared this document to provide information about the WEM PaSS release as at the date of publication.

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Version release history

Version	Release date	Changes
1.0	13/11/2024	Initial publication for the WEM PaSS Production Release

Document approval details

Name	Position	Date
Lauren Ashby	Acting Manager, WA Prudentials & Settlements	29/10/2024

Contents

1 Overview

1.1 Purpose and scope

These are the release notes for the Wholesale Electricity Market Prudential and Settlement Service (WEM PaSS) 3.7 (Build 3.7-842-2).

This release focused on implementing the WEM Rule changes to FCESS Uplift Payments.

1.2 Supporting documentation

The following document should be read in conjunction with these release notes:

- WEM Metering, Settlement and Prudential Calculation Formulation Version 8.0

1.3 Version summary

The changes in versions post deployment of this release are summarised in Table 1.

To view the current application, please navigate to **Help > About** in WEMS MPI**.**

Table 1 Version summary

Application	Current Version	New Version
WEM PaSS	3.6-839-3	3.7-842-2

1.4 Terms and abbreviations

The terms and abbreviations used in this document are outlined in Table 2.

Table 2 Terms and abbreviations

Term	Definition
AEMO	Australian Energy Market Operator
API	Application Programming Interface
CSV	Comma Separated Values
FCESS	Frequency Co-optimised Essential System Service
PaSS	Prudential and Settlement Service
RTM	Real-Time Market
UI	User Interface
WA	Western Australia
WA P&S	WA Prudentials & Settlements
WEMDE	Wholesale Electricity Market Dispatch Engine
WEMS MPI	Wholesale Electricity Market System Market Participant Interface

2 FCESS Uplift Payments

2.1 Rule change

The WEM Amendment (FCESS Cost Review) Rules 2024 has introduced changes to FCESS Uplift Payments (see sections 9.9 and 9.10).

These changes are gazetted and effective from Trading Day 20 November 2024 (rule commencement date).

Summary of changes related to settlements:

- Remove the payment of FCESS Uplift Payments for the provision of RoCoF Control Service.

- Provide an alternative method of compensation (through Energy Uplift Payments) for Facilities constrained on by AEMO to provide RoCoF Control Service only.

- Provide for Energy Uplift Payments for Facilities that are constrained on by AEMO during a period covered by a Low Reserve Condition Declaration.

- Clarify that Energy Uplift Payments are based on In-Service Capacity Price-Quantity Pairs in Real-Time Market Offers only.

- Modify the FCESS Uplift Payment calculations to avoid over-compensating FCESS providers when their enablement losses are partially or completely covered by other Real-Time Market payments.

2.2 Formulation change

The WEM Metering, Settlement and Prudential Calculation Formulation Version 8.0 has been certified and will be published on the AEMO Website. This version is effective for Trading Days from the rule commencement date.

Summary of changes:

Section	Topic	Calculated Formulas	New	Revised	Removed	WEM Rules
4.4.2	Energy Uplift Payments	UPLIFTP_F_DI		•		9.9.10
4.4.2	Energy Uplift Payments	Input set BESSEM(di) definition updated in table		•		9.9.9(f)
4.4.2	Energy Uplift Payments	Input MOP_F_DI definition updated in table		•		9.9.9(c), 9.9.10(b)i, 9.9.10(b)ii
4.7.6.1	Minimum RoCoF Control Service Charges	RoCoFpayment_G_DI		•		9.10.15
4.7.16	FCESS Uplift Payments	FCESSUpayment_F_DI		•		9.10.3C
4.7.16	FCESS Uplift Payments	FUPEFlag_F_DI FCESSQ_F_DI	•			9.10.3F
4.7.16.1	RTM Dispatch Cost	All 26 formulas	•			9.10.3D
4.7.16.2	RTM Base Compensation	All 6 formulas	•			9.10.3E
4.7.16.3	FCESS Minimum Dispatch Target	FCESSMinDT_F_DI	•			9.10.3G
4.7.16.3	FCESS Minimum Dispatch Target	RaiseMinDT_F_DI	•			9.10.3H
4.7.16.3	FCESS Minimum Dispatch Target	LowerMinDT_F_DI	•			9.10.3HA
4.7.16.4	FCESS Uplift Shares	FCESSCount_F_DI		•		9.10.3I

4.7.16.4	FCESS Uplift Shares	4 formulas of format xxEFlag _F_DI	•			9.10.3I(a), 9.10.3I(b), 9.10.3I(c), 9.10.3I(d)
4.7.16.4	FCESS Uplift Shares	4 formulas of format FCESSUSharexxF_DI		•		9.10.3K, 9.10.3L, 9.10.3N, 9.10.3O
4.7.17	FCESS Enablement Losses	All 15 formulas			•	9.10.3C, 9.10.3D, 9.10.3E, 9.10.3F, 9.10.3G

The upstream system WEMDE will provide PaSS with new inputs for the calculations, including Price-Quantity Pairs from the Real-Time Market Offers. Inputs to PaSS are denoted with an "I" reference in the formulation document tables rather than a numerical reference to another formula.

Market Participants can access the new variables via the Settlement Statement detail API, or the Settlement Statement detail CSV files in the WEMS MPI user interface.

2.3 Public Data Site change

The shares of each FCESS Uplift Payment allocated to each Frequency Co-optimised Essential System Service are published on the Public Data Site under Post-Reform > Settlements > FCESS Uplift Payments in accordance with clause 9.10.3P of the WEM Rules.

For calendar year 2024, the CSV file will continue to include a column for "FCESS Uplift Share RCS ($)" but it will only be populated up until the rule commencement date. From calendar year 2025 onwards, this column will be no longer be included in the CSV files.

The "Field Definitions" will include the following clarification in yellow:

> ∧ **FCESS Uplift Share RCS ($)** $
>
> The share of the FCESS Uplift Payment for the Registered Facility in the Dispatch Interval, to be allocated to RoCoF Control Service, determined in accordance with WEM Rule 9.10.3M. This value is only applicable for Trading Days prior to 20 November 2024.
>
> Units: $

3 Resolved Issues

In addition to the functionality above, the following issues have been resolved in this release.

Table 3 Resolved Issues

Reference	Summary	Resolution
N/A	N/A	N/A

Table 4 Status Legend

Status	
● INT	Internal AEMO changes. No impact to Market Participants.
● ADD	Additional functionality. Market Participants awareness only.
● CHG	Change to Market Participant functionality. Needs Market Participant attention.