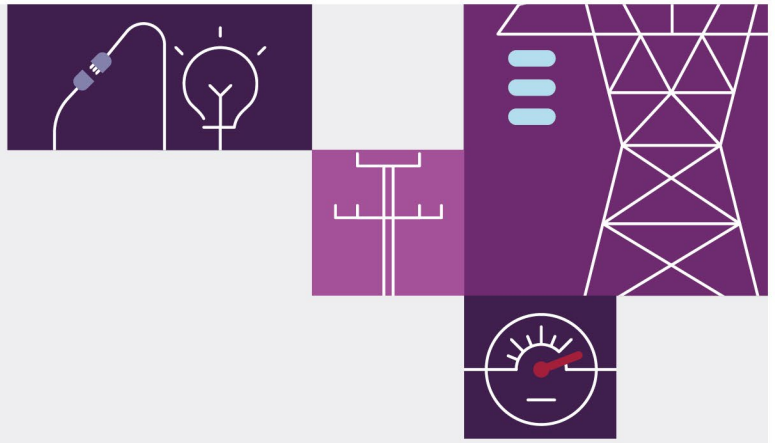


Release Notes: WEM Dispatch Engine 2.0.0

February 2024





Important notice

PURPOSE

The Australian Energy Market Operator has prepared this document to provide information about the WEM Dispatch Engine release as at the date of publication.

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Document version control

Version	Release date	Changes
1.0	12/02/2024	Initial publication for the WEM Dispatch Engine 2.0.0 Release

Document approval

Position	Date
Manager, WA Real-Time Market Monitoring	12/02/2024



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1 Introduction

These are the release notes for the WEM Dispatch Engine 2.0.0 release. This WEMDE release includes changes to the WEMDE and Settlement System integration in order to improve performance and fix an issue with the incorrect tranche being used to calculate FCESS Uplift Payments. The changes introduced in this release are described in the sections below.

2 FCESS Uplift Payments

This release includes two changes to the methodology used to determine the Loss Factor Adjusted Offer Price (LFAOP) used to calculate FCESS Uplift Payments.

1. In scenarios where the Enablement Minimum value of an FCESS trapezium intersects the boundary of the LFAOP, prior to this release WEMDE will determine that the higher of LFAOP tranche is used in the FCESS Uplift Payment calculation. This results in additional FCESS Uplift Payments being calculated. This WEMDE release changes this methodology to provide the lower LFAOP tranche.
2. In scenarios where the Enablement Minimum value is adjusted due to a SCADA input as outlined in the Market Procedure: Adjustment of Real Time Inputs, prior to this release WEMDE would utilise the adjusted value to calculate the LFAOP. This WEMDE release corrects this methodology to use the original Enablement Minimum value as provide via Real Time Market Submissions.

This will apply to all FCESS, the relevant variables are:

- LFAOPCL_F_DI
- LFAOPCR_F_DI
- LFAOPRCS_F_DI
- LFAOPRL_F_DI
- LFAOPRR_F_D

There are no changes to the [settlement formulation](#) however AEMO will use the updated inputs in all future prudential calculations and settlement runs in accordance with the [Settlement Cycle Timeline](#), and will apply to all Trading Weeks from TW 01 October 2023. This will result in updates to FCESS Uplift payments and charges for all Participants in future Adjustments for all Trading Weeks already invoiced prior to this release. Market Participants may contact wa.settlements@aemo.com.au for all queries relating to their settlement and prudential outcomes.



3 Resolved Issues

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

Table 1 Resolved Issues

Reference	Summary	Resolution
● WDE2-11	Performance issues with the GetFacilityEnergyUpliftMarketInformation API.	Reimplement API to improve performance.
● WDE2-161	Observed performance issues with internal API's to provide data to the settlement system.	Reimplement API to improve performance.

Status Legend

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