WEM PaSS 3.18 Release Notes

September 2026

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	11/09/2026	Publication for the WEM PaSS Pre-Production Release on 15/09/2026 and Production Release on 23/09/2026

Document approval details

Name	Position	Date
Stuart MacDougall	Manager, WA Prudentials & Settlements	04/09/2026

Contents

1 Overview

1.1 Purpose and scope

These are the release notes for the Wholesale Electricity Market Prudential and Settlement Service (WEM PaSS) 3.18 (Build 3.18-866-1).

This release was required to align with changes effective from Trading Day 1 October 2026, resulting from:

- Schedule 3 of the WEM Amendment (RCM Reviews Sequencing) Rules 2025;
- Schedule 4 of the WEM Amendment (Tranche 8) Rules 2025;
- Schedule 3 of the ESM Amendment (Tranche 9) Rules 2025; and
- Schedule 2 of the ESM Amendment (Tranche 10) Rules 2026[1];

1.2 Supporting documentation

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

- WEM Metering, Settlement and Prudential Calculation Formulation Version 12.0
- WEM Settlement Statement and Invoice Technical Guide Version 6.0
- WEM Relevant Demand Baseline Calculations Formulation Version 1.0
- Prudential and Settlement Service User Guide Version 2.0

These documents will be available on AEMO's settlement technical guides webpage and guides and useful information webpage for the Production release.

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	3.17-864-1	3.18-866-1

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

[1] At the time of writing these Release Notes, the Tranche 10 rules were not yet gazetted by the Minister however the consultation version is available at https://www.wa.gov.au/government/document-collections/consultation-exposure-draft-of-electricity-system-and-market-amending-rules-tranche-10

Term	Definition
CSV	Comma Separated Values
DSP	Demand Side Programme
ESM	Electricity System and Market
NDL	Non-Dispatchable Load
PaSS	Prudential and Settlement Service
WA	Western Australia
WA P&S	WA Prudentials & Settlements
WEMS MPI	Wholesale Electricity Market System Market Participant Interface

2 Relevant Demand

2.1 Rule change

One of the Review Outcomes of the RCM Review was that the performance of Demand Side Programmes should be measured against a dynamic baseline, rather than the static baseline in the status quo[2]. The rationale for this move can be found in the RCM Review Information Papers (Stage 1) and (Stage 2)[3]. A dynamic baseline more accurately reflects the actual curtailment delivered by the DSP compared to its level if not dispatched.

The ESM Rules have been amended to replace the current Appendix 10 Relevant Demand Determination with a new dynamic baseline methodology and incorporate both Withdrawal and Injection values.

These changes are effective from Trading Day 1 October 2026 (rule commencement date)[4].

Summary of changes related to settlement:

- Demand Side Programmes will only have a Relevant Demand value calculated after a DSP Dispatch Event has occurred.
- Relevant Demand will change from a Trading Day value to a Trading Interval value and will only be calculated for Trading Intervals in a DSP Dispatch Event.
- Market Participants will no longer submit annual Consumption Deviation Applications for Demand Side Programmes and may instead request up to 20 calendar days per Capacity Year to be excluded from the Relevant Demand calculation for their DSP.

2.2 New formulation

The WEM Relevant Demand Baseline Calculations Formulation Version 1.0 has been certified and will be published on the AEMO Website. This version is effective for Trading Days from the rule commencement date.

The individual inputs and outputs of this calculation are not available to Market Participants, however the Relevant Demand values will be imported into the settlement run for each Trading Week. If the Relevant Demand values are

[2] Review Outcome 4, Reserve Capacity Mechanism Review Information Paper (Stage 2), 2 August 2023

[3] https://www.wa.gov.au/system/files/2023-08/reserve_capacity_mechanism_review_-_information_paper_stage_2.pdf

[4] At the time of writing these Release Notes, the Tranche 10 rules were not yet gazetted by the Minister however the consultation version is available at https://www.wa.gov.au/government/document-collections/consultation-exposure-draft-of-electricity-system-and-market-amending-rules-tranche-10

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used for the calculations, then the variable will be accessible in the existing Settlement Statement detail API, or the existing Settlement Statement detail CSV files in the WEMS MPI user interface.

2.3 New user interface

The PaSS user interface in WEMS MPI has been updated to allow Market Participants to request AEMO exclude a calendar day from the Relevant Demand calculation for a Demand Side Programme, and to view calendar days that have been submitted and accepted or rejected by AEMO.

Refer to the Prudential and Settlement Service User Guide Version 2.0 on the guides and useful information webpage for details.

2.4 New APIs

This release introduces the APIs in Table 2 for Market Participants to submit and view calendar days to be excluded from the Relevant Demand calculation for a Demand Side Programme.

The hostnames in Table 1 relate to these APIs and documentation will be available in AEMO's Developer Portal.

Rule Participants must have an appropriate web certificate from AEMO to be able to call the APIs.

Table 1 Hostnames for REST APIs

Environment	REST hostname	APIM
Pre-Production	https://wems-mkt.aemo.com.au/mpi/ws/prudential	No
Production	https://wems.aemo.com.au/mpi/ws/prudential	No

Table 2 Non-Representative Days APIs

Function	Type	Endpoint	Effective from
Non-Representative Days	POST	/api/vi/nonRepresentativeDays	Go-live for Trading Days 01/01/2026 onwards
Non-Representative Days	GET	/api/v1/nonRepresentativeDays	Go-live for Trading Days 01/01/2026 onwards

3 Reserve Capacity refunds for Demand Side Programmes

3.1 Rule change

To ensure that Demand Side Programmes pay refunds when they fail to meet their Reserve Capacity obligations, the ESM Rules have made changes to the Reserve Capacity Deficit (clause 4.26.1A(a)(ii)(5)), Demand Side Programme Capacity Cost Refund (clause 4.26.3A(b)i), and Maximum Facility Refund calculations required for settlement.

These changes are effective from Trading Day 1 October 2026 (rule commencement date)[5].

Summary of changes related to settlement:

[5] At the time of writing these Release Notes, the Tranche 10 rules were not yet gazetted by the Minister however the consultation version is available at https://www.wa.gov.au/government/document-collections/consultation-exposure-draft-of-electricity-system-and-market-amending-rules-tranche-10

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- Market Participants will pay new Peak Capacity refunds based on their Demand Side Programme's capacity shortfall during a DSP Dispatch Event, or their Demand Side Programme's association shortfall for having insufficient Associated Loads.
- Market Participants may pay up refunds up to 125% of their Demand Side Programme's Peak Capacity Credits, valued at the Peak Reserve Capacity Price.

3.2 Formulation change

The WEM Metering, Settlement and Prudential Calculation Formulation Version 12.0 has been certified and will be published on AEMO's settlement technical guides webpage. This version is effective for Trading Days from the rule commencement date.

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

Summary of changes:

Section	Topic	Formulas	New	Revised	Removed	Rule Change
3.4.5	Demand Side Programme Load	DSPL_F_I		X		9.5.4
4.8.5.2	Refund Caps	MAXFR_F_D		X		Glossary
4.8.5.4	Facility Reserve Capacity Deficit Refund	RCD_F_I		X		4.26.1A(a)ii.5
4.8.5.4	Facility Reserve Capacity Deficit Refund	MINL_F_D			X	4.26.1A(a)ii.5
4.8.5.4	Facility Reserve Capacity Deficit Refund	DSPAS_F_I	X			4.26.1AB, 4.26.1AC
4.8.5.5	DSP Capacity Cost Refund	DSPCSR_F_I		X		4.26.3A(b)i
4.8.5.5	DSP Delivery Shortfall	DSPDS_F_I nDES_F_CY DESI_F_CY DEIOrdered_F_I DSPSFNonZeroFlag_F_I DSPESNonZeroCount_F_I DSPESMin_F_I DSPES_F_I	X			4.26.1AA, 4.26.1AD
4.8.5.5	DSP Capacity Shortfall	DSPSF_F_I		X		4.26.2D
4.8.5.8	Refund Rates	Y_F_I		X		4.26.1(b)v
4.14	Estimation	estRD_F_I	X			4.26.2CA

4 Reserve Capacity settlement using daily and component-based pricing

4.1 Rule change

To ensure correct settlement outcomes where the Separately Certified Components of a Scheduled Facility or Semi-Scheduled Facility have different capacity prices, and to implement daily capacity prices for Capacity Year 2026-2027, the ESM Rules have made changes to the Capacity Provider Payment, Trading Interval capacity price, and Targeted Reserve Capacity Cost calculations required for settlement.

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The rules also correct errors in the calculation of available capacity in clause 4.26.1(e), which can cause the available capacity to be overstated when Scheduled Facilities or Semi-Scheduled Facilities are Withdrawing in a Trading Interval, or when a Demand Side Programme fails to meet its dispatch target.

These changes are effective from Trading Day 1 October 2026 (rule commencement date)[6].

Summary of changes related to settlement:

- The Facility Monthly Reserve Capacity Price and the Facility Daily Peak Reserve Capacity Price are replaced with the Entity Daily Peak Reserve Capacity Price.
- Market Participants will receive Peak Capacity payments and charges based on the Entity Daily Peak Reserve Capacity Price of their Facility or Separately Certified Component.
- The calculation in clause 4.26.1(e) will be a more accurate assessment of spare capacity in each Trading Interval, which will in turn reflect more accurate refund factors.

4.2 Formulation change

The WEM Metering, Settlement and Prudential Calculation Formulation Version 12.0 has been certified and will be published on AEMO's settlement technical guides webpage. This version is effective for Trading Days from the rule commencement date.

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

Summary of changes:

Section	Topic	Formulas	New	Revised	Removed	Rule Change
2.3	Entity Sets	All 7 formulas	X			9.8.3A, 9.8.3B(c)
4.8.1	Capacity Payments	CCSA_P_D		X		9.8.3A
4.8.1	Capacity Payments	CCSA_F_D			X	9.8.3A
4.8.1	Capacity Payments	CCSA_E_D CC_E_D CCAM_E_D	X			9.8.3A
4.8.1	Capacity Payments	CCAM_F_D			X	9.8.3(b)iii
4.8.1	Capacity Payments	EDPRCP_E_D	X			9.8.3A(d), 9.8.3B(c)iv
4.8.2	Capacity Credit Over Allocation Payment	EAP_P_D		X		9.8.3(i)
4.8.2	Capacity Credit Over Allocation Payment	CCARC_P_D CCAC_A_D	X			9.8.3B
4.8.2	Capacity Credit Over Allocation Payment	CCAR_P_D		X		9.8.3B
4.8.3.1	Targeted Reserve Capacity Cost	CC_G_D CCTRCC_G_D CCP_T_D CCQ_T_D		X		4.28.1(a), 4.28.2
4.8.5.2	Refund Caps	MAXFR_F_D		X		Glossary
4.8.5.8	Refund Rates	SPARE_G_I		X		4.26.1(e)
4.8.5.8	Refund Rates	Y_F_I		X		4.26.1(b)
4.8.5.8	Refund Rates	CCS_SCC_D	X			4.26.1(b)

[6] At the time of writing these Release Notes, the Tranche 10 rules were not yet gazetted by the Minister however the consultation version is available at https://www.wa.gov.au/government/document-collections/consultation-exposure-draft-of-electricity-system-and-market-amending-rules-tranche-10

Section	Topic	Formulas	New	Revised	Removed	Rule Change
		PESROIFlag_SCC_I PESROD_SCC_D EDPRCPHighest_F_I EDPRCP_F_I EDPRCP_SCC_I FloatingDPRCP_G_I				
4.8.5.8	Refund Rates	CCESR_F_I RCP_G_I RCP_G_M RCP_F_I RCP_F_D RCP_F_M TITM_G_M TDTM_G_M			X	4.26.1(b), Glossary

4.3 Variable scope change

The formula changes introduce one new scope:

- Entity “E”

This is described in the WEM Settlement Statement and Invoice Technical Guide Version 6.0 published on AEMO’s settlement technical guides webpage.

5 Settlement artefacts

5.1 Invoice line items

This release makes no changes to the format of Invoices or to the line items displayed on Invoices.

5.2 Statement Summary and Detail

This release makes no changes to the format of the Settlement Statement Summary or Settlement Statement Detail however the datasets will only contain variables that are applicable for each Trading Day. For example, if the variable DSPES_F_I is only applicable from Trading Day 01/10/2026, then it will not be present in the response for Trading Day 30/09/2026 or earlier.

This applies to the existing APIs documented in AEMO’s Developer Portal for the Settlement Service and Prudential Service, as well as the CSV files available for download in the PaSS user interface in WEMS MPI.

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6 Resolved Issues

No other 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.