Affected Dispatch Interval Report

Trading Month September 2024

Prepared in accordance with clause 7.11C.3 of the WEM Rules

1 Introduction

The Australian Energy Market Operator (AEMO) has prepared this report under clause 7.11C.3 of the Wholesale Electricity Market Rules (WEM Rules).

Clause 7.11C.3 of the WEM Rules requires AEMO to publish a report as soon as practicable after determining a Dispatch Interval is an Affected Dispatch Interval outlining:

- the reasons for determining that a Dispatch Interval was an Affected Dispatch Interval.
- whether that determination was correct; and
- what action will be taken to minimise the risk of a similar event in future.

In this report:

- the reporting period covers the period specified on the title page,
- terms that are capitalised but not defined have the meaning given in the WEM Rules; and,
- date references are to Trading Days, not calendar days, unless otherwise stated.

2 Affected Dispatch Interval(s)

This section provides details of the Dispatch Intervals AEMO has determined to be Affected Dispatch Intervals in accordance with 7.11C.2. In accordance with clause 7.11C.3(b) at the time of publication of this report AEMO considers the determination correct.

Trading Day	18 September 2024
Dispatch Interval(s)	See *"Affected Dispatch Intervals - 18 Sep 2024.csv"*
Reasons for Determination [7.11C.3(a)]	Estimated distributed PV is an input to the WEM Dispatch Engine (WEMDE) and is primarily used by the Dynamic Frequency Control Model (DFCM) in determining the Contingency Reserve Raise requirement. AEMO identified an IT system issue that caused the distributed PV input used in the Primary Dispatch Interval between 13:20 18/09/2024 - 08:50 24/09/2024 to be frozen at 1,906.3 MW. AEMO assessed the 1,675 intervals during this period and identified 992 intervals where this erroneous distributed PV input caused manifestly incorrect Market Clearing Price outcomes in the Contingency Reserve Raise and/or, by extension, Energy markets exceeding the 10% threshold defined in the WEM Procedure: Identification of Affected Dispatch Intervals[1]. AEMO has determined these 992 intervals are Affected Dispatch Intervals as the market outcomes were based on manifestly incorrect information, directly resulting in material impacts to Market Clearing Prices.
Determination Outcome [7.11C.3(b)]	Correct
Actions Taken [7.11C.3(c)]	• Immediate action upon identification was to create a new calculation that input accurate distributed PV values into WEMDE. • Developed situational awareness tools that increased visibility of distributed PV input calculation to the AEMO Control Room as a detective control. • Technical root cause analysis performed and made required changes to IT systems to prevent issue recurring.

Trading Day	25 September 2024

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[1] https://www.aemo.com.au/-/media/files/electricity/wem/procedures/2023/identification-of-affected-dispatch-intervals---v10.pdf?la=en&hash=5CEC7C3DE79A3926A9A674C745A9ADDE

Dispatch Interval(s)	Affected Dispatch Interval	Replacement Market Schedule Run
	25/9/2024 8:30	25/9/2024 8:25
	25/9/2024 8:35	25/9/2024 8:25
	25/9/2024 8:40	25/9/2024 8:40
	25/9/2024 8:45	25/9/2024 8:45
	25/9/2024 8:50	25/9/2024 8:40
	25/9/2024 8:55	25/9/2024 8:55
Reasons for Determination [7.11C.3(a)]	Erroneous SCADA inputs for COLLIE_ESR1 were received by AEMO, affecting both the COLLIE_ESR1 sent out value and Unscheduled Operational Demand value (which relies on Facility level data) in WEMDE. The errors in Unscheduled Operational Demand resulted in flow on errors in WEMDE's forecast Energy requirement, affecting pricing in both Energy and ESS markets. AEMO has determined these are Affected Dispatch Intervals as the market outcomes were based on manifestly incorrect information, directly resulting in material impacts to Market Clearing Prices.	
Determination Outcome [7.11C.3(b)]	Correct	
Actions Taken [7.11C.3(c)]	Market Participants resolved this issue and therefore resolved the SCADA data inaccuracy.	