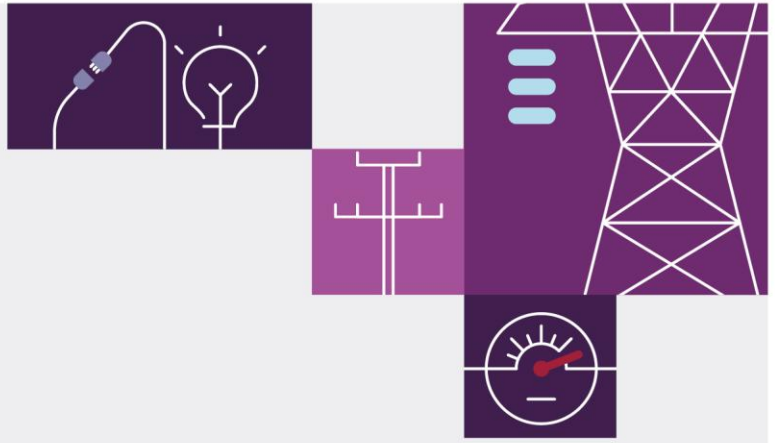


# Release Notes: WEM Market Data site

June 2026





# Important notice

## PURPOSE

The Australian Energy Market Operator has prepared this document to provide information about the ST PASA Market Data site Report release as at the date of publication.

## Disclaimer

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## Document version control

| Version | Release date | Changes       |
|---------|--------------|---------------|
| 1.0     | 24/06/2026   | Initial Issue |

## Document approval

| Name             | Position                                | Date       |
|------------------|-----------------------------------------|------------|
| Nicholas Nielsen | Manager, WA Real-Time Market Monitoring | 24/06/2026 |



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# 1 Introduction

## 1.1 Overview

These are the release notes for the upcoming deployment to implement changes to the [AEMO WEM Market Data site](#), notably:

- Additions and updates to prices, market requirements, market schedules and distributed PV data; and
- ST PASA Reporting changes to the ST PASA Reports uploaded daily to the AEMO Market Data site. Contact WA Operations Planning with any queries [wa.sm.planning@aemo.com.au](mailto:wa.sm.planning@aemo.com.au)

The changes introduced in this release are described in the sections below.

## 1.2 Terms and abbreviations

The terms and abbreviations used in this document are outlined in Table 1.

**Table 1 Terms and abbreviations**

| Abbreviation | Expanded name                                      |
|--------------|----------------------------------------------------|
| ST PASA      | Short-Term Projected Assessment of System Adequacy |
| PDS          | Market Data site                                   |
| ESS          | Essential System Services                          |



# 1 Real-Time Market Data

This release enhances the WEM Market Data site with the addition of four new pages and the modification of one existing change. These changes improve accessibility and transparency by publishing key WEM Real-Time Market data in CSV format, as a supplement to the existing JSON-format publications. The following list summarises the new and updated data sets. Note that due to size restrictions, the CSVs are partitioned by year except where otherwise noted.

- Prices
  - Market Clearing Prices: This page provides Market Clearing Prices for energy, Contingency Raise, Contingency Lower, Regulation Raise, Regulation Lower and RoCoF Control Service by Dispatch Interval.
  - Reference Trading Price: This page provides Reference Trading Prices by Trading Interval.
- Dispatch
  - Market Requirements: This page provides Market Requirements for Energy, Contingency Raise, Contingency Lower, Regulation Raise, Regulation Lower and RoCoF Control Service by Dispatch Interval.
  - Market Schedule: This page provides Market Schedules by Facility for Energy, Contingency Raise, Contingency Lower, Regulation Raise, Regulation Lower and RoCoF Control Service by Dispatch Interval. Due to the volume of data at Facility level, data is partitioned by month for each year.
- Demand and Forecasts
  - Estimated DPV Generation: The existing page in Post-Reform > Demands and Forecasts > Estimated DPV Generation contains a new format of the file for each Calendar Year, and shows Timestamp and the average Estimated DPV quantity over the Dispatch Interval.

Historical data will be available from 08:00 AWST 1<sup>st</sup> October 2023. The latest CSV will be updated daily with the latest available day, at 08:30 AWST.



## 2 ST PASA Reporting Changes

When a Market Participant accesses the existing ST PASA Reporting files located on the PDS, the downloaded files contain a projected Demand Forecast (in CSV and JSON formats) and an Energy ESS Shortfall Report (in CSV, JSON, and .xlsx formats).

The previous Energy ESS Shortfall Report provided a summary table which included shortfalls exceeding certain limits, and uses outdated Dispatch Scenarios.

This change improves clarity by removing the various limits (and simply reporting on total shortfalls), and improves alignment with the WEM Dispatch Engine by updating inputs to use the current Dispatch Scenarios. Due to these changes, the document format for the Energy ESS Shortfall Reports will change, as illustrated below.

This change is being implemented to improve the ST PASA reporting data and better align to the current market conventions.

In order to provide meaningful data to Market Participants as soon as practical, this update will make the new Energy ESS Shortfall Report available in only .xlsx and JSON formats. AEMO intends to reintroduce a CSV format version in a future release.

Please contact WA Operations Planning if there are any foreseen issues with this approach.



Excel Report format after change:

|                               |                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Forecast Operational Demand : | AEMOs forecast of Low / Available Capacity / High / Reference Operational Demand from the WEMDE Week-Ahead Schedule                                                                                       |
| Energy Shortage :             | Dispatch Intervals where the Forecast Operational Demand is unable to be met by available generation                                                                                                      |
| Regulation Raise Shortage :   | Dispatch Intervals where the forecast procured Regulation Raise is unable to meet the forecast ESS requirement from the WEMDE Week-Ahead Schedule                                                         |
| Regulation Lower Shortage :   | Dispatch Intervals where the forecast procured Regulation Lower is unable to meet the forecast ESS requirement from the WEMDE Week-Ahead Schedule                                                         |
| Contingency Raise Shortage :  | Dispatch Intervals where the forecast procured Contingency Raise is unable to meet the forecast ESS requirement from the WEMDE Week-Ahead Schedule                                                        |
| Contingency Lower Shortage :  | Dispatch Intervals where the forecast procured Contingency Lower is unable to meet the forecast ESS requirement from the WEMDE Week-Ahead Schedule                                                        |
| RoCoF Shortage :              | Dispatch Intervals where the forecast available RoCoF is unable to meet the forecast ESS requirement from the WEMDE Week-Ahead Schedule                                                                   |
| Table Contents:               | Any interval where shortfall is observed the table will indicate which interval by placing a date-time in the corresponding cell (As Forecast at 11AM on the trading day the ST PASA report is published) |

| Scenario                    | Violations (total number of intervals where a shortfall occurs) |                           |                           |                            |                            |                 |
|-----------------------------|-----------------------------------------------------------------|---------------------------|---------------------------|----------------------------|----------------------------|-----------------|
|                             | Energy Shortage                                                 | Regulation Raise Shortage | Regulation Lower Shortage | Contingency Raise Shortage | Contingency Lower Shortage | RoCoF Shortage  |
|                             | # of Shortfalls                                                 | # of Shortfalls           | # of Shortfalls           | # of Shortfalls            | # of Shortfalls            | # of Shortfalls |
| Available Capacity Scenario | 0                                                               | 21                        | 21                        | 17                         | 19                         | 19              |
| High Demand Scenario        | 0                                                               | 0                         | 0                         | 11                         | 0                          | 0               |
| Low Demand Scenario         | 0                                                               | 0                         | 0                         | 11                         | 0                          | 0               |
| Reference Scenario          | 0                                                               | 21                        | 21                        | 17                         | 19                         | 19              |

| Available Capacity  |                 |                 |           |                           |           |                           |           |                            |           |                            |           |                |           |
|---------------------|-----------------|-----------------|-----------|---------------------------|-----------|---------------------------|-----------|----------------------------|-----------|----------------------------|-----------|----------------|-----------|
| Dispatch Interval   | Demand Forecast | Energy Shortage |           | Regulation Raise Shortage |           | Regulation Lower Shortage |           | Contingency Raise Shortage |           | Contingency Lower Shortage |           | RoCoF Shortage |           |
|                     |                 | Requirement     | Shortfall | Requirement               | Shortfall | Requirement               | Shortfall | Requirement                | Shortfall | Requirement                | Shortfall | Requirement    | Shortfall |
| 08/05/2026 08:00:00 | 5143.36         | 5143.360        | 0.000     | 1000.000                  | 1000.000  | 1000.000                  | 387.612   | 727.343                    | 591.890   | 1159.546                   | 555.946   | 45255.757      | 36266.757 |
| 08/05/2026 08:30:00 | 5003.52         | 5003.520        | 0.000     | 1000.000                  | 779.930   | 1000.000                  | 494.070   | 777.658                    | 291.701   | 1143.169                   | 279.969   | 45255.757      | 24922.257 |
| 08/05/2026 09:00:00 | 1887.55         | 1887.550        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 646.800   | 886.322                    | 417.482   | 1141.075                   | 194.575   | 45255.757      | 24922.257 |
| 08/05/2026 09:30:00 | 1720.789        | 1720.789        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 646.800   | 869.843                    | 391.974   | 1147.169                   | 200.669   | 45255.757      | 22818.257 |
| 08/05/2026 10:00:00 | 1567.551        | 1567.551        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 646.800   | 895.111                    | 424.332   | 1153.298                   | 206.798   | 45255.757      | 22818.257 |
| 08/05/2026 10:30:00 | 1424.576        | 1424.576        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 735.024   | 895.111                    | 428.416   | 1159.017                   | 212.517   | 45255.757      | 22818.257 |
| 08/05/2026 11:00:00 | 1348.951        | 1348.951        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 768.900   | 895.111                    | 387.932   | 1162.042                   | 215.542   | 45255.757      | 22818.257 |
| 08/05/2026 11:30:00 | 1304.296        | 1304.296        | 0.000     | 1000.000                  | 631.506   | 1000.000                  | 768.900   | 895.111                    | 380.116   | 1163.828                   | 253.967   | 45255.757      | 22818.257 |
| 08/05/2026 12:00:00 | 1251.677        | 1251.677        | 0.000     | 1000.000                  | 578.756   | 1000.000                  | 768.900   | 895.111                    | 380.116   | 1165.933                   | 308.743   | 45255.757      | 22818.257 |
| 08/05/2026 12:30:00 | 1274.337        | 1274.337        | 0.000     | 1000.000                  | 601.423   | 1000.000                  | 768.900   | 895.111                    | 375.832   | 1165.027                   | 285.203   | 45255.757      | 22818.257 |
| 08/05/2026 13:00:00 | 1322.115        | 1322.115        | 0.000     | 1000.000                  | 649.208   | 1000.000                  | 768.900   | 895.111                    | 380.116   | 1163.116                   | 235.579   | 45255.757      | 22818.257 |
| 08/05/2026 13:30:00 | 1398.307        | 1398.307        | 0.000     | 1000.000                  | 668.200   | 1000.000                  | 761.628   | 895.111                    | 428.416   | 1160.068                   | 213.568   | 45255.757      | 22818.257 |



Json file **before** change:

```
1  [
2  {
3    "scenario": "AvailableCapacity",
4    "markets": {
5      "energy": null,
6      "regulationLower": null,
7      "regulationRaise": null,
8      "contingencyLower": null,
9      "contingencyRaise": null,
10     "rocof": null
11   }
12 }, {
13   "scenario": "ForecastHigh",
14   "markets": {
15     "energy": null,
16     "regulationLower": null,
17     "regulationRaise": null,
18     "contingencyLower": null,
19     "contingencyRaise": null,
20     "rocof": null
21   }
22 }, {
23   "scenario": "ForecastLow",
24   "markets": {
25     "energy": null,
26     "regulationLower": null,
27     "regulationRaise": null,
28     "contingencyLower": null,
29     "contingencyRaise": null,
30     "rocof": null
31   }
32 }
33 ]
```

Json file **after** change:

```
1  [
2  {
3    "ShortfallIntervalsScenario": "AvailableCapacity",
4    "Markets": {
5      "Energy": 1,
6      "RegulationLower": 1,
7      "RegulationRaise": 1,
8      "ContingencyLower": 1,
9      "ContingencyRaise": 1,
10     "Rocof": 1
11   }
12 }, {
13   "ShortfallIntervalsScenario": "ForecastHigh",
14   "Markets": {
15     "Energy": 0,
16     "RegulationLower": 0,
17     "RegulationRaise": 0,
18     "ContingencyLower": 0,
19     "ContingencyRaise": 0,
20     "Rocof": 0
21   }
22 }, {
23   "ShortfallIntervalsScenario": "ForecastLow",
24   "Markets": {
25     "Energy": 0,
26     "RegulationLower": 0,
27     "RegulationRaise": 0,
28     "ContingencyLower": 0,
29     "ContingencyRaise": 0,
30     "Rocof": 0
31   }
32 }, {
33   "ShortfallIntervalsScenario": "Reference",
34   "Markets": {
35     "Energy": 0,
36     "RegulationLower": 0,
37     "RegulationRaise": 0,
38     "ContingencyLower": 0,
39     "ContingencyRaise": 0,
40     "Rocof": 0
41   }
42 }, {
43   "ActualShortfallScenario": "AvailableCapacity",
44   "Markets": {
45     "DispatchInterval": "2026-06-11T08:00:00+08:00",
46     "DemandForecast": 7677.0,
47     "EnergyRequirement": 7677.000,
48     "EnergyShortfall": 2609.455,
49     "RegulationLowerRequirement": 1000.000,
50     "RegulationLowerShortfall": 381.500,
51     "RegulationRaiseRequirement": 1000.000,
52     "RegulationRaiseShortfall": 970.000,
53     "ContingencyLowerRequirement": 1138.412,
54     "ContingencyLowerShortfall": 517.612,
55     "ContingencyRaiseRequirement": 853.500,
56     "ContingencyRaiseShortfall": 790.500,
57     "RocofRequirement": 43706.308,
58     "RocofShortfall": 30147.408
59   }
60 }
61 ]
```