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# WEMS REPORT AND WEB SERVICES SPECIFICATION

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**Version 3.15**

November 2021

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# Important Notice

## PURPOSE

AEMO has prepared this document to provide information about the design and contents of the Wholesale Electricity Market System (WEMS) reports, as at the date of publication.

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## VERSION CONTROL

Version	Release date	Changes
3.11	02/09/2020	Updated Web Service in Section 10 – System Management Data Reports
3.12	25/11/2020	Updated for WEMS 3.37
3.13	29/03/2021	Updated for WEMS 3.38
3.14	19/07/2021	Updated for WEM PaSS 1.7, WEMS 3.40 and RCM 1.21 as part of the Settlement Enhancements Go-live
3.15	01/12/2021	Updated for WEMS 3.44 and RCM 1.25

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# 1. Introduction

This report specification details the design and contents of the WEMS reports. The document:

- Defines what reports are available;
- Details when the data is updated;
- Details where the report can be accessed; and
- Refers to rule and / or procedure associated with the Wholesale Electricity Market (WEM).

## 2. Report Confidentiality

In the sections below, there are two confidentiality classes which each report adheres to. They include:

1. Public: Information is available to all Market Participants and the wider public.
2. Rule Participant Market Restricted: Information pertaining to the specific Market Participant. This information is not available to other Market Participants or the wider public.

## 3. Report Sources

Reports can be accessed via two different sources.

### 3.1 Market Participant Interface

The Market Participant Interface (MPI) offers reports through web pages. Notifications are displayed in the Market Messages display when new report information is available for download (for a limited selection of reports, initially).

Each report can be retrieved as a CSV or an XML file download from the associated MPI display, with the majority of reports relating to Balancing and LFAS being directly accessible from these specific menus. For example, from the Balancing Prices display, both Balancing Load and Prices Report and the LFAS Requirements and Prices Report can be accessed by selecting XML output from the Search pane.

The screenshot shows a web interface with a top navigation bar containing 'Home', 'Notifications', 'Energy Market', and 'Reserve Cap'. Below this is a breadcrumb trail: 'Home > Balancing > Balancing Prices'. The main content area is titled 'Search' and contains several filter sections:

- Output:** Radio buttons for 'View', 'CSV', and 'XML' (selected).
- Report:** Radio buttons for 'Balancing Load and Prices Report' (selected) and 'LFAS Requirements and Prices Report'.
- Type:** Radio buttons for 'Forecast' (selected), 'Prov', and 'Final'.
- Date Range:** Two date pickers labeled 'From Date' and 'To Date', both set to '27/04/2012'.

## 3.2 Web Services

Reports are available via web services, where Market Participants can send a request which is delivered using the standard web service protocol SOAP (Simple Object Access Protocol).

Following the WEMS 3.22 / RCM 1.2 releases, a number of new Reserve Capacity reports are accessible through a web service API. Details of these reports are available through the swagger URL:

<https://wems.aemo.com.au/rcm/api/docs/>.

The Prudential Service application introduced a number of new Prudential Management reports. These web services provide different levels of information related to prudentials and the new Outstanding Amount calculation (as part of Market Procedure Change Proposal AEPC\_2020\_06). Details of these reports are available through the swagger URL: <https://wems.aemo.com.au/prudential/api/docs/>.

In August 2021, AEMO introduced a new Settlement system which extended the functionality of the Prudential Service application to provide an improved Settlement solution. The new Settlements functionality introduced as part of Prudential Service 1.7, WEMS 3.40 and RCM 1.21 replaces the previous Settlements system and contains a number of new Settlement reports. The web services in relation to these reports will provide Market Participants information related to Non-STEM/STEM Settlements Statements and Settlement Invoices. This information will be available via the API for Settlement Invoices issued from 1 August 2021 onwards. Details of these reports are available through the swagger URL:

<https://wems.aemo.com.au/prudential/api/docs/>.

# 4. STEM and Bilateral Reports

## 4.1 Available Capacity Credits vs Forecast Load

Purpose	This report details the estimated residual Reserve Capacity by comparing the total Capacity Credits to the Load Forecast and Scheduled Outages. The excess amount of Capacity Credits above the sum of the Forecast and Outage quantities represents the residual amount.
Timing	Daily, at 8:55am for the next trading day (D+1)
WEM Rule	6.3A.1(b)ii
Confidentiality	Public
MPI	Reports   View   RCM_EstResidual
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getEstResidualReportResponse

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.



Field	Type	Description
Outage (MW)	Decimal	Total Scheduled Outages (Planned and Forced) in MW.
Forecast (MW)	Decimal	Load Forecast in MW received from SM for the purpose of STEM.
Capacity Credits (MW)	Decimal	Total number of Capacity Credits allocated for the relevant Capacity Year in MW.

## 4.2 Bilateral Contract Standing Data Conversion

Purpose	The WEM Rules allow Market Participants to submit Standing Bilateral Submissions to AEMO that apply to certain days of the week. For Market Participants who have valid Standing Bilateral Submissions for a Trading day, this report details the effective Bilateral Submissions converted from the Market Participant's Standing Bilateral Submission.
Timing	Daily, at 7:55am for the next trading day (D+1)
WEM Rule	6.2.2
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_BiltStdConv
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getBilateralStdConvReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	1	1	5
Earliest available data	08/05/2010	08/05/2010	08/05/2010

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive)
End Date	Date		Last trading date of report period (inclusive)

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.

Field	Type	Description
Trading Interval	Decimal	The Trading interval which the data relates to.
Supply Quantity (MWh)	Decimal	Quantity supplied for bilateral contracts (MWh).
Internal Load (MWh)	Decimal	Used by Western Power and Synergy to specify a load in MWh. All other participants must specify a value of 0.
Demand Quantity (MWh)	Decimal	The quantity of demand requested of the other participant (MWh).
Participant Consumer	String	The Participant Short Name of the other participant in the bilateral contract.
Processing Messages	String	

### 4.3 Bilateral Submissions

Purpose	This report provides Market Participants a summary of their Bilateral Submissions
Timing	Daily, at 10:20am for the next trading day (D+1)
WEM Rule	10.7.1(d)i
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_BilatSubmission
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getBilatSubmissionReportRequest

#### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

#### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive)
End Date	Date		Last trading date of report period (inclusive)

#### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
From Standing	String	Identifies if the submission is based off Standing Data. Valid values include Y (Yes) and N (No).
Supply Quantity (MWh)	Decimal	The quantity in MWh that is being supplied through Bilateral contracts.
Internal Load (MWh)	Decimal	The quantity in MWh that is attributable to an internal load. Field only applicable to Western Power and Synergy only.
Demand Quantity (MWh)	Decimal	The quantity in MWh that is being demanded from Bilateral contract counterparty.
Participant Consumer	String	The Participant Short Name of the counterparty in the bilateral contract.

## 4.4 Final Bilateral Consumer Information

Purpose	This report details each Market Participant's final bilateral consumer information after the closure of the bilateral window.
Timing	Daily, at 8:53am for the next trading day (D+1)
Rule	6.2.8
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_BiltConsumers
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getFinalBiltConsInfoReportResponse

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive)

Field	Type	Constraints	Description
End Date	Date		Last trading date of report period (inclusive)

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant Supplier	String	Name of the counter party Market Participant in the Bilateral Contract.
Demand Quantity (MWh)	Decimal	Final Bilateral position in MWh after trading window closure.

## 4.5 Final Net Bilateral Position

Purpose	This report details a Market Participants final net bilateral quantity after the trading window has closed. This report is published approximately 30 minutes after the Initial Net Bilateral Position Report.
Timing	Daily, at 8:53am for the next trading day (D+1)
WEM Rule	6.2.8
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_FinalNetBiltPos
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getNetContractPosReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).

Field	Type	Constraints	Description
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Net BLT Quantity (MWh)	Number (MWh)	The Market Participant's net bilateral position in MWh after the closure of the Bilateral trading window.

## 4.6 Final STEM Reserve Capacity Obligations

Purpose	This report details a Market Participants Final Reserve Capacity Obligations 20 minutes prior to the STEM window closure and provides an update on the Initial STEM Reserve Capacity Obligation Report.
Timing	On demand
WEM Rule	6.3A.4
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_FinalSTEMCapObligations
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getFinalStemResvCapObligationReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Capacity Credit Obligation (MW)	Decimal	The total Capacity Credits held by the Market Participant in MW.
Planned and Consequential Outages (MW)	Decimal	The sum of the ex-ante planned and consequential outages in MW.
Ancillary Services Required (MW)	Decimal	Estimated loss factor adjusted quantity in MW that could potentially be called upon after 1pm on the Scheduling Day for the Trading Day.
STEM Supply Curve (MW)	Decimal	The total quantity in the STEM submission Portfolio Supply Curve submitted by the Market Participant in MW.
Ancillary Services Declared (MW)	Decimal	The total quantity the STEM submission Ancillary Service Declaration submitted by the Market Participant in MW.

## 4.7 Initial Bilateral Consumer Information

Purpose	This report details each Market Participant's bilateral consumer information prior to the bilateral window closing.
Timing	Daily, at 8:20am for the next trading day (D+1)
WEM Rule	6.2.3
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_InitBiltConsumers
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getInitBiltConsInfoReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant Supplier	String	Name of the counter party Market Participant in the Bilateral Contract.
Demand Quantity (MWh)	Decimal	The initial quantity demanded in MWh prior to the Bilateral trading window closing.

## 4.8 Initial Net Bilateral Position

Purpose	This report details a Market Participants Initial Net Bilateral Position (based on the effective Bilateral Submission at the time which the report is generated) prior to the bilateral window closure and is published in conjunction with the Initial Net Bilateral Position Report.
Timing	Daily, at 8:20am for the next trading day (D+1)
WEM Rule	6.2.3
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_InitNetBiltPos
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getNetContractInitPosReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Net Bilateral Quantity (MWh)	Decimal	The initial Net Bilateral Quantity in MWh prior to the Bilateral window closing.

## 4.9 Initial STEM Reserve Capacity Obligations

Purpose	This report details a Market Participants initial Reserve Capacity Obligations at the opening of the STEM window. This report includes details around: The total Capacity Credits held; The estimated Ancillary Service requirement that could be called after 1pm on the Scheduling Day; The total Planned and Consequential Outages; Total STEM Portfolio Supply quantity submitted; and The total Ancillary Services Declared quantity in the STEM submission.
Timing	Daily, at 9:00am for the next trading day (D+1)
WEM Rule	6.3A.3
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_InitSTEMCapObligations
Web Service	<a href="https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl</a> getInitStemResvCapObligationReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006



## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant Name	String	The Participant Short Name of the participant.
Capacity Credit Obligation (MW)	Decimal	The total Capacity Credits held by the Market Participant in MW.
Planned and Consequential Outages (MW)	Decimal	The sum of the ex-ante planned and consequential outages in MW.
Ancillary Services Required (MW)	Decimal	Estimated loss factor adjusted quantity in MW that could potentially be called upon after 1pm on the Scheduling Day for the Trading Day.
STEM Supply Curve (MW)	Decimal	The total quantity in the STEM submission Portfolio Supply Curve submitted by the Market Participant in MW.
Ancillary Services Declared (MW)	Decimal	The total quantity the STEM submission Ancillary Service Declaration submitted by the Market Participant in MW.

## 4.10 Load Forecast vs Bilateral Contracts

Purpose	This report shows the proportion of the total scheduled quantity attributable to Bilateral Contracts to the load forecast values.
Timing	Daily, at 9:00am for the next trading day (D+1)
WEM Rule	EM_LoadFcstBilt
Confidentiality	Public
MPI	Reports   View   EM_LoadFcstBilt
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getLoadFcstBiltReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Forecast (MWh)	Decimal	The Load Forecast quantity in MWh.
Total Scheduled Bilt Quantity (MWh)	Decimal	The sum of all Market Participant's scheduled net bilateral position in MWh.

## 4.11 NCS Dispatch Information (PUBLIC)

Purpose	<p>This report provides the quantity of energy dispatched under Network Control Service Contracts, by Facility, and by Trading Interval, for each Trading Month that has been settled.</p> <p>The quantity of energy dispatched represents the quantity by which the Facility was instructed by System Management to increase its output or reduce its consumption under a Network Control Service Contract, prepared in accordance with Market Rule 7.13.1(dA) or the quantity by which the Facility was instructed to reduce its output or under a Generator Interim Access (GIA) Network Control Service (NCS) Contract</p>
Timing	Monthly; at 14:00 WST on the day after the initial Non-STEM Settlement Date for the period ending two months prior.
WEM Rule	7.13.1(dA).
Confidentiality	Public
MPI	Reports   View   PUB_NcsDispatchInfo
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v8?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v8?wsdl</a> <code>getNcsPublicDispatchInformationReport</code>

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	31	31
Earliest available data	8/07/2012	8/07/2012	8/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Date	Date	The trading date which the report relates to.
Trading Interval	Date	The trading interval which the data relates to.
Participant	Date	The participant short name in the operating instruction.
Facility	String	The facility short name in the operating instruction.

Field	Type	Description
NCS Contract Type	String	The type of Network Control Service (NCS) Contract between a Network Operator and a Market Participant to provide a Network Control Service; on of <ul style="list-style-type: none"> <li>- NCS Contract for GIA – Contract relates to a Generator Interim Access Facility</li> <li>- NCS Contract for Non-GIA – Contract relates to a non-Generator Interim Access Facility</li> </ul>
Non-GIA Quantity (MWh)	Decimal	The quantity by which the Facility was instructed by System Management to increase its output or reduce its consumption under a Network Control Service (NCS) Contract.
GIA Quantity (MWh)	Decimal	The quantity by which the Facility was instructed by System Management to reduce its output under a Generator Interim Access (GIA) Network Control Service (NCS) Contract. Data requested prior to 25/06/2020 will be returned as '0' as the data set was not produced.

## 4.12 NCS Dispatch Information

Purpose	This report provides Network Control Service (NCS) dispatch information to the Network Operator in accordance with Market Rules 5.9.2 and 5.9.3. Market Generators can NCS dispatch information for their own generation facilities.
Timing	Daily, at 12:00pm for the previous Trading Day (D-1)
WEM Rule	5.9.2 and 5.9.3
Confidentiality	Restricted to Network Operator and Rule Participant Facilities
MPI	Reports   View   EM_NcsDispatchInformation
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v8?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v8?wsdl</a> getNcsDispatchInformationReport

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	31	31
Earliest available data	1/10/2018	1/10/2018	1/10/2018

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Date	Date	The trading date which the report relates to.
Participant	Date	The participant short name in the operating instruction.
Facility	String	The facility short name in the operating instruction.
Start Time	Date	The start time of the operating instruction.
End Time	Date	The end time of the operating instruction.
Operating ID	String	The unique identifier for the operating instruction.
Issued At	Date	The date and time the NCS instruction was issued.
Quantity (MWh)	Decimal	The quantity by which the Facility was instructed by System Management to increase its output or reduce its consumption.
Price (\$/MWh)	Decimal	The Balancing Price.
Price Paid (\$)	Decimal	The total amount paid by AEMO to the Market Participant for the quantity dispatched under the NCS Contract. This is the product of Price and Quantity.
Reason Flag	String	Instruction reason flag for which the operating instructions are to be reported. Relevant values are: <ul style="list-style-type: none"> <li>- N – If the dispatch is related to an NCS Contract for a Generator Interim Access (GIA) generator.</li> <li>- C – If the dispatch is related to an NCS Contract for a non-GIA generator.</li> </ul>
NCS Contract ID	String	The unique code which identifies the NCS instruction.
Comments	String	Comments from System Management.

## 4.13 Non Balancing Dispatch Merit Order

Purpose	This report details an ordered list of Demand Side Programmes and Dispatchable loads which is available to System Management for Dispatch. As there are currently only Demand Side Programmes within the Non Balancing Dispatch Merit Order, there are only two types of merit orders which caters for Supply Increase Peak (SIP) and Supply Increase Off Peak (SIOP).
Timing	Daily, at 1:50pm for the next trading day (D+1)
WEM Rule	10.5.1(zE)
Confidentiality	Public
MPI	Reports   View   EM_NonBalDispMeritOrder
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> <b>getNonBalDispMeritOrderReportRequest</b>

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	01/07/2012	01/07/2012	01/07/2012
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to Trading Day 1 October 2017 and onwards, please refer to <http://data.wa.aemo.com.au/>.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Merit Order Type	String	Describes the Non Balancing Merit Order type and whether it applies to peak or off peak times.
Merit Order	Decimal	Identifies the facility's rank in the relevant merit order. Valid values of "SIOP" (Supply Increase Off-Peak) and "SIP" (Supply Increase Peak).
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.

## 4.14 Operating Instructions

<b>Purpose</b>	This report will allow the retrieval of information relating to Operating Instructions issued by System Management.
<b>Timing</b>	Daily, at 12:00pm for the previous Trading Day (D-1)
<b>WEM Rule</b>	7.13.1(cC)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	EM_OperatingInstruction
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpj/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpj/ws/reports/v7.1?wsdl</a> getOperatingInstructionReport

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	31	31
Earliest available data	01/07/2012	01/07/2012	01/07/2012

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Trading date interval range in which reports are required.
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.
Instruction Reason Flag	String	Valid arguments include: <INSTRUCTION REASON FLAG> and ALL	Instruction reason flag for which the operating instructions are to be reported. Valid values are:  T – If Facility is undergoing Commissioning Test in the interval  P – If Facility is undergoing Reserve Capacity Test in the interval  N -- If the dispatch is for Generator Interim Access (GIA) related Network Control Service (NCS) Contracts  C – If the dispatch is for non-GIA related NCS Contracts  R – Supplementary Reserve Capacity  E – Network Equipment Outage  O – Other

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The name of the participant in the operating instruction.
Resource Name	String	The resource name in the operating instruction.
Operating Instruction ID	Decimal	The unique identifier for the operating instruction.
Time Stamp	Date	The date and time the operating instruction was generated.
Start Time	Date	The start time of the operating instruction.
End Time	Date	The end time of the operating instructions.
Quantity	Decimal	The quantity in MW related to the operating instruction (if required).
Response Time	Date	The response time required for the operating instruction.
Instruction Reason Flag	String	Instruction reason flag for which the operating instructions are to be reported. Valid values are: <ul style="list-style-type: none"> <li>- T – If Facility is undergoing Commissioning Test in the interval</li> <li>- P – If Facility is undergoing Reserve Capacity Test in the interval</li> <li>- N – If the dispatch is for GIA related NCS Contracts</li> <li>- C – If the dispatch is for non-GIA related NCS Contracts</li> <li>- R – Supplementary Reserve Capacity</li> <li>- E – Network Equipment Outage</li> <li>- O – Other</li> </ul>
Comments	String	Operating Instruction comments.
NCS Contract ID	String	The unique identifier for the NCS Contract.

## 4.15 Operational Load Forecast

Purpose	This report details the loss factor adjusted forecast load for the Trading Day, on the Scheduling Day. Forecast quantities are provided in MW and MWh.
Timing	Daily, at 7:30am for the next trading day (D+1)
WEM Rule	6.3A.1(a) and 7.2.3B
Confidentiality	Public
MPI	Reports   View   EM_LoadFcst
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> <code>getLoadFcstReportRequest</code>

### Limitations

The following limitations apply when using this report.



Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Forecast (MWh)	Decimal	The forecast load quantity in MWh.
Forecast (MW)	Decimal	The forecast load quantity in MW.

## 4.16 Standing STEM Submission Curtailment

Purpose	Details the output of the process required by 6.3B.1B to cap the quantity in the Market Participant's standing STEM submission at its Maximum Supply Capability. The output of this process is then used to form the Market Participant's Standing STEM submission.
Timing	Daily, at 8:40am for the next trading day (D+1)
WEM Rule	6.3B.1B
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_STEMStndCurt
Web Service	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getStdStemSubmissionCurtInfoReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Maximum Supply Capability (MWh)	Decimal	Maximum quantity in MWh that the Market Participant is able to offer into STEM.
Price (\$)	Decimal	Price which the Market Participant is willing to supply or purchase in STEM.
Quantity (MWh)	Decimal	Quantity which the Market Participant is willing to supply or purchase in STEM.
Curtailed Quantity (MWh)	Decimal	If the Quantity is greater than the Maximum Supply Capability, then Curtailed Quantity is equal to the Maximum Supply Capability. Otherwise, equal to the Quantity.
Reduced Quantity (MWh)	Decimal	Total quantity in MWh after subtracting the Curtailed Quantity from the Quantity.
Total Unavailable Capacity (MWh)	Decimal	Total Unavailable Capacity in MWh declared by the Market Participant.

## 4.17 STEM Ancillary Service

<b>Purpose</b>	This report details the anticipated Ancillary quantities (excluding LFAS) required for the Trading Day, as received from System Management on the Scheduling day. These quantities are excluded from the quantities allowed to be offered into STEM by incorporating them into the Facility Limits calculations.
<b>Timing</b>	Daily, at 8:50am for the next trading day (D+1)
<b>WEM Rule</b>	6.3A.2(e)i
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_AncServ
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getAncServReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	30	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Anc Serv (MWh)	Decimal	The ancillary service quantity in MWh required to be excluded from STEM.

## 4.18 STEM Ancillary Service Facilities

<b>Purpose</b>	This report details the facilities anticipated to provide ancillary services (excluding LFAS) on the Trading Day as received from System Management on the Scheduling Day.
<b>Timing</b>	Daily, at 8:50am for the next trading day (D+1)
<b>WEM Rule</b>	6.3A.2(e)ii
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_AncServFacilities
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl</a> getAncServFacilitiesReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	30	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.

## 4.19 STEM Bids and Offers

<b>Purpose</b>	This report summarises a Market Participants bids and offers derived from the Market Participant's submitted portfolio supply and demand curves. This report is representative of a Market Participants net position (Bids + Offers), taking into account their bilateral position.
<b>Timing</b>	Daily, at 11:15 am for the next trading day (D+1)
<b>WEM Rule</b>	10.5.1(i)ii1 & 10.5.1(i)ii2
<b>Confidentiality</b>	Public, after 7 Trading Days
<b>MPI</b>	Reports   View   EM_STEMBidsAndOffer
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getSTEMBidsOffersReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Type (Bid/Offer)	String	Defines whether the price quantity pairs refer to a Bid or Offer after taking into account their net bilateral position.
Price (\$)	Decimal	Energy price at the point in the supply or demand curve in \$/MWh.
Quantity (MWh)	Decimal	Quantity of energy at the point in the supply or demand curve in Megawatts (MW).

## 4.20 STEM Facility Declaration

<b>Purpose</b>	This report details a Market Participant's fuel and unavailability declarations as submitted in STEM by facility.
<b>Timing</b>	Daily, at 11:15 am for the next trading day (D+1)
<b>WEM Rule</b>	10.5.1(i)ii4
<b>Confidentiality</b>	Public, after 7 Trading Days
<b>MPI</b>	Reports   View   EM_STEMResInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getSTEMFacilityInfoReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30

Parameters	MPI (View)	MPI (Download)	Web Service
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Fuel	String	Defines the fuel type declaration for STEM. Valid values include "N" (Non-Liquid) and "L" (Liquid).
Unavailable Capacity (MWh)	Decimal	Total Unavailable Capacity in MWh declared by the Market Participant.

## 4.21 STEM Facility Limits

<b>Purpose</b>	This report details the Maximum Supply Capability of individual facilities, after taking into account outages and ancillary service requirements (excluding LFAS) that can be offered into STEM.
<b>Timing</b>	Daily, at 8:30am for the next trading day (D+1)
<b>WEM Rule</b>	6.3A.2(a)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_FacilityLimit
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getFacilityLimitReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	5	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).



Field	Type	Constraints	Description
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Facility ID	String	The unique code which identifies the facility.
Liquid Maximum Supply Capability (MWh)	Decimal	Maximum available generation capability of the facility on Liquid fuels after taking into account outages and ancillary service obligations (other than LFAS) in MWh.
Non-Liquid Maximum Supply Capability (MWh)	Decimal	Maximum available generation capability of the facility on Non-Liquid fuels after taking into account outages and ancillary service obligations (other than LFAS) in MWh.

## 4.22 STEM Participant Limits

<b>Purpose</b>	This report details the Maximum Supply Capability of a Market Participant, after taking into account all of its outages and ancillary service requirements (excluding LFAS) that can be offered into STEM.
<b>Timing</b>	Daily, at 8:40am for the next trading day (D+1)
<b>WEM Rule</b>	6.3A.2(a)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_PartLimit
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl</a> getPartLimitReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Maximum Supply Capability (MWh)	Decimal	Maximum quantity in MWh that the Market Participant is able to offer into STEM.
Maximum Demand Capability (MWh)	Decimal	Maximum quantity in MWh that the Market Participant is able to bid for STEM.

## 4.23 STEM Participant Net Bilateral Position and Declarations

<b>Purpose</b>	This report details a Market Participants net bilateral position as well as its ancillary service quantities attributable to liquid and non-liquid fuels.
<b>Timing</b>	Daily, at 11:15 am for the next trading day (D+1)
<b>WEM Rule</b>	6.4.3
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_STEMPartInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getSTEMPartInfoReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Bilateral Qty (MWh)	Decimal	The Market Participant's net bilateral position in MWh.
Anc Serv Liq (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by liquid fuel facilities.
Anc Serv Non-Liq (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by non-liquid fuel facilities.

## 4.24 STEM Portfolio Curve

<b>Purpose</b>	This report details a Market Participant's Demand and Supply Portfolio curves submitted into STEM.
<b>Timing</b>	Daily, at 11:15am for the next trading day (D+1)
<b>WEM Rule</b>	6.6.2A(d) and 6.6.2A€
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_STEMPortCrv
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getSTEMPortfolioCurveReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Type	String	Defines whether the price quantity pair refers to a quantity demanded from (DEMAND), or offered into the STEM market (SUPPLY).
Price (\$)	Decimal	Energy price at the point in the supply or demand curve in \$/MWh.
Quantity (MWh)	Decimal	Quantity of energy at the point in the supply or demand curve in MWh.

## 4.25 STEM Scheduled Planned Outages

<b>Purpose</b>	This report details all scheduled outages submitted to System Management, including both planned and forced outages for each Registered Facility. These are used in the Facility Limits calculation to determine the Maximum Supply Capacity of each Facility and Market Participant.
<b>Timing</b>	Daily, at 8:50am for the next trading day (D+1)
<b>WEM Rule</b>	7.3.4 and 10.5.1(zD)
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   EM_SchPlannedOutages
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getSchPlannedOutagesReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30

Parameters	MPI (View)	MPI (Download)	Web Service
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Outage Reason	String	Identifies whether the outage was Planned (P) or Forced (F).
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Outage (MW)	Decimal	The quantity which is unavailable due to the outage in MW.

## 4.26 STEM Standing Data Conversion

<b>Purpose</b>	The Market Rules allow Market Participants to submit Standing STEM Submissions to AEMO. For Market Participants who have valid Standing STEM Submissions for a Trading day, this report details the STEM Submission converted from the Market Participant's Standing STEM Submission, taking into account any STEM Curtailment (see 4.16 – <a href="#">Standing STEM Submission Curtailment</a> )
<b>Timing</b>	Daily, at 8:20am for the next trading day (D+1)
<b>WEM Rule</b>	6.3B.1A and 10.5.1(d)ii
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_STEMStdConv
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl</a> getStemStdConvReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	1	1	5
Earliest available data	08/05/2010	08/05/2010	08/05/2010

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Type	String	Defines whether the quantities and prices refer to the Market Participants Supply portfolio curve or Demand portfolio curve.
Price (\$)	Decimal	Price which the Market Participant is willing to supply or purchase in STEM.
Quantity (MWh)	Decimal	Quantity which the Market Participant is willing to supply or purchase in STEM.
Total Liquid (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by liquid fuel facilities.
Total Non-Liquid (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by non-liquid fuel facilities.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Fuel	String	Fuel type declaration. Valid values include "LIQUID" or "NON-LIQUID".
Unavailable Capacity (MWh)	Decimal	Total Unavailable Capacity in MWh declared by the Market Participant.

## 4.27 STEM Summary Info

<b>Purpose</b>	This report summarises the results of the STEM Auction including the Total Offer and Bid quantities, along with the Clearing Quantity and Clearing Price.
<b>Timing</b>	Daily, at 11:15am for the next trading day (D+1)
<b>WEM Rule</b>	6.4.3
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_STEMSummaryInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getSTEMSummaryInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	31
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Suspension	String	Flag to identify if the trading interval was included in a STEM suspension.
Total STEM Offer Quantity (MWh)	Decimal	The total quantity across the market that was determined to be an Offer into STEM.
Total STEM Bid Quantity (MWh)	Decimal	The total quantity across the market that was determined to be a Bid in STEM.

Field	Type	Description
STEM Clearing Quantity (MWh)	Decimal	The greatest quantity which the STEM offer curve intersects the STEM bid curve.
STEM Clearing Price (\$)	Decimal	The lowest price which the STEM offer curve intersects the STEM bid curve.

## 4.28 STEM Trade Results

<b>Purpose</b>	This report details a Market Participants net bilateral quantity, net quantity traded in STEM and their Net Contract Position after the completion of the STEM Auction.
<b>Timing</b>	Daily, at 11:15am for the next trading day (D+1)
<b>WEM Rule</b>	6.4.3(c) and 6.4.3(d).
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   EM_STEMResultPartInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getSTEMResultsPartInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.



Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Net BLT Quantity (MWh)	Decimal	The Market Participant's net bilateral position in MWh.
Quantity Traded (MWh)	Decimal	The Market Participant's net quantity traded in STEM, in MWh (Positive values indicate quantities demanded).
Net Contract Position (MWh)	Decimal	The Market Participant's net position taking into account their bilateral and STEM results, in MWh.

# 5. Energy Market Dispatch Reports

## 5.1 Ex-Post Outages

<b>Purpose</b>	This report details actual outages quantities including planned and forced. This information is used to settle the market.
<b>Timing</b>	Daily, at 12:00pm for the trading day 19 days prior (D-19)
<b>WEM Rule</b>	7.13.1A(b)
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   EM_ExPostOutages
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getExPostOutagesReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	31	31
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	The unique code which identifies the facility.
Outage Reason	String	Identifies whether the outage was Planned (P), Forced (F) or Consequential (C).

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Outage (MW)	Decimal	The quantity which is unavailable due to the outage in MW.

## 5.2 Load Summary Information

<b>Purpose</b>	This report details the Metered Scheduled Load for all Non-Dispatchable Loads, Dispatchable Loads and Interruptible Loads as well as the estimate Curtailed Load due to energy not being served.
<b>Timing</b>	Daily, at 10:20am for the next trading day (D+1)
<b>WEM Rule</b>	10.5.1(j)
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_LoadSummaryInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getPubLoadSummInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	1	3	30
Earliest available data	01/06/2009	01/06/2009	01/06/2009

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.

Field	Type	Description
Trading Interval	Decimal	The Trading interval which the data relates to.
Metered Schedule Load (MWh)	Decimal	System Load based on meter data in MWh.
Curtailed Load (MWh)	Decimal	Estimated System Load Curtailment in MWh

### 5.3 Metered Schedules and Resource Plan Information

<b>Purpose</b>	This report details the split between Synergy and IPP facilities metered schedule quantities as well as IPP Resource Plan generation quantities.
<b>Timing</b>	Daily, at 10:20am for the next trading day (D+1)
<b>WEM Rule</b>	10.5.1(h)
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_MetSchAndResPlanInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getMetSchAndResPlanInfoReportRequest

#### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

#### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

#### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.

Field	Type	Description
WP Gen Metered Schedule	Decimal	Synergy System Load based on meter data in MWh.
MP (except WP) Gen Metered Schedule	Decimal	Non-Synergy Energy System Load based on meter data in MWh.
MP (except WP) Res Plan Gen	Decimal	Non-Synergy Resource Plan Generation in MWh. This field is no longer populated due to rule change RC_2014_06 which came into effective on 1 July 2019.

## 5.4 Operational Load

<b>Purpose</b>	This report details the Operational Load of the system
<b>Timing</b>	Daily, at 12:30pm for the trading day two days prior (D-2)
<b>WEM Rule</b>	7.13.4
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   EM_OperLoad
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/bs/reports/v7.1?wsdl</a> getOperLoadReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	31	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.

Field	Type	Description
Metered Schedule Load (MWh)	Decimal	System Load based on meter data in MWh.
**Estimated Load Curtailment (MWh)	Decimal	Estimated System Load Curtailment in MWh.
**Shortfall (MWh)	Decimal	Shortfall between the net energy scheduled in Resource Plans and the Net Contract Position in MWh.

\*\*Please note that these fields have only been maintained for the purposes of historic reports

## 5.5 Real Time Information

<b>Purpose</b>	This report details the near real time data received from System Management. As this data is received every 30 seconds, the report displays the last value received for each Trading Interval.
<b>Timing</b>	After the completion of each Trading Interval
<b>WEM Rule</b>	10.5.1(y)
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_NearRTInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getRealTimeInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.

Field	Type	Description
Trading Interval	Decimal	The Trading interval which the data relates to.
Total Generation (MW)	Decimal	Total System Generation in MW.
Total Spinning Reserve (MW)	Decimal	Total Spinning Reserve quantity in MW.
Operational Load Estimate (MW)	Decimal	Operational load forecast in MW.
Time Stamp	Date / Time	Time which value was published.

# 6. Registration Reports

## 6.1 Rule Participant Class Information

<b>Purpose</b>	This report details the Rule Participant Classes applicable to each Rule Participant.
<b>Timing</b>	Daily, at 1:00am
<b>WEM Rule</b>	10.5.1(c)v
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_RulePartClassInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getRulePartClassInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	Not Applicable	Not Applicable	Not Applicable
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

There are no arguments for this report

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Participant Name	String	The Market Participant name.
Class	String	Defines the Rule Participant classes applicable to the Market Participant.

## 6.2 Rule Participant Details

<b>Purpose</b>	The report includes information relating to each Rule Participant's contact details.
<b>Timing</b>	Daily, at 1:00am
<b>WEM Rule</b>	10.5.1(c)i, 10.5.1(c)ii, 10.5.1(c)iii, and 10.5.1(c)iv
<b>Confidentiality</b>	Public



<b>MPI</b>	Reports   View   PUB_RulePartDetails
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getRulePartDetailsReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	Not Applicable	Not Applicable	Not Applicable
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

There are no arguments for this report.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Participant Name	String	Full Participant name.
Address	String	Address of registered office.
City	String	City of registered office.
State	String	State of registered office.
Postal Code	Decimal	Post code of registered office.
Country	String	Country of registered office.
Telephone	Decimal	Telephone of registered office.
Facsimile	Decimal	Facsimile of registered office.
Contact Name	String	Name of main contact person.
Contact Title	String	Title of main contact person.
Registration Date	Date	Date on which the Market Participant became registered.

## 6.3 Rule Participant Facility Information

<b>Purpose</b>	<p>This report publishes the names and capacities of all registered facilities.</p> <p>Note: The report will return registration data for the current Trading Day. The current Trading Day is determined by the system time the report was queried.</p> <p>i.e. If the system time that the report is queried is 07:59 on 19/11/2019 then the Trading Day is 18/11/2019; and if the system time that the report is queried is 08:00 on 19/11/2019 then the Trading Day is 19/11/2019.</p>
<b>Timing</b>	Daily, at 1:00am
<b>WEM Rule</b>	10.5.1(c)vii
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_RulePartFacilityInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getRulePartFacilityInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	Not Applicable	Not Applicable	Not Applicable
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

There are no arguments for this report.

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Type of Facility. Valid values include SG (Scheduled Generator), IMG (Intermittent Generator), DSP (Demand Side Programme), IMNL (Non Dispatchable Load) and IL (Interruptable Load).
Facility Capacity (MW)	Decimal	The Facility's Maximum Sent Out Capacity as recorded in Registration.
Effective date	Date	The date from which the facility information is effective.

# 7. Annual Reserve Capacity Reports

## 7.1 Approved Reserve Capacity Bilateral Declarations

<b>Purpose</b>	This report details the output the Appendix 3 methodology from each Market Participant's Reserve Capacity Bilateral Trade Declarations.
<b>Timing</b>	Annually, on 1 October for the Capacity Year commencing Y+2
<b>WEM Rule</b>	4.14.9
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_ApprvBltDeclarations
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getApprResvBltDeclarationsReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of years	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2020	30/09/2020	30/09/2020

For data relating to the 2020 Capacity Year and onwards, please refer to Reserve Capacity | Reserve Capacity Mechanism menu in MPI.

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Year	Date		First year of report period (inclusive).
End Year	Date		Last year of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Capacity Year	Date	The Reserve Capacity Year.

Field	Type	Description
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Facility Type.
Facility Status	String	The Reserve Capacity status of the facility.
Capacity Block	Number	The capacity block associated with the Certified Reserve Capacity.
Availability Class	Number	Class of availability associated with the Certified Reserve Capacity.
Approved Class	Number	Availability class that has been approved.
Approved BLT/DSP (MW)	Number	The approved Reserve Capacity Bilaterally or DSP traded quantity in MW approved by AEMO under Appendix 3.  Note: For backward compatibility, the field name in the XML report download from MPI and Web service report query remain unchanged. Only CSV file download and View from MPI display the new column name.

## 7.2 Certified Reserve Capacity Information

<b>Purpose</b>	This report details a Market Participant's Certified Reserve Capacity Information for a given capacity year.
<b>Timing</b>	Annually, on 1 October for the Capacity Year commencing Y+2
<b>waggerWEM Rule</b>	4.10.1
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_CertResCapInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> <code>getRcmCertResCapInfoReportRequest</code>

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of years	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2020	30/09/2020	30/09/2020

For data relating to the 2020 Capacity Year and onwards, please refer to Reserve Capacity | Reserve Capacity Mechanism menu in MPI.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Year	Date		First year of report period (inclusive).
End Year	Date		Last year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Capacity Year	Date	The Reserve Capacity Year.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Facility Type.
Conditional Flag	String	Conditional certification flag.
ECRC Flag	String	Early Certified Reserve Capacity flag.
Capacity Block	Decimal	The capacity block associated with the Certified Reserve Capacity.
Availability Class	Decimal	Class of availability associated with the Certified Reserve Capacity.
Certified Capacity	Decimal	Certified Reserve Capacity Quantity in MW.
Available Capacity	Decimal	Available Capacity in MW.
Available Capacity Hot	Decimal	Available Capacity in MW at 41 Degrees Celsius.
Initial Capacity Obligation	Decimal	Initial Capacity Obligation Quantity in MW.
Initial Capacity Obligation Hot	Decimal	Initial Capacity Obligation Quantity in MW at 41 degrees Celsius.

## 7.3 Facility Capacity Credit MW Assigned

<b>Purpose</b>	This report details the number of Capacity Credits assigned to each Facility for each Reserve Capacity Cycle.
<b>Timing</b>	Annually, on 1 October for the Capacity Year commencing Y+2
<b>WEM Rule</b>	10.5.1(j)iv
<b>Confidentiality</b>	Public

<b>MPI</b>	Reports   View   PUB_CapCreditInfo
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">7https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getPubCapCreditInfoReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of years	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006

For data relating to the 2020 Capacity Year and onwards, please refer to Reserve Capacity | Reserve Capacity Mechanism menu in MPI.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Year	Date		First year of report period (inclusive).
End Year	Date		Last year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Capacity Year	Date	The Reserve Capacity Year.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Capacity Credits	Decimal	Number of Capacity Credits assigned in MW.

## 7.4 Public Certified Reserve Capacity Information

<b>Purpose</b>	This report details the level of Certified Reserve Capacity assigned to each facility for each Reserve Capacity Cycle.
<b>Timing</b>	Annually, on 1 October for the Capacity Year commencing Y+2
<b>WEM Rule</b>	10.5.1(f)iiiA
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   PUB_CertResCapInfo

<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getPubCertResCapInfoReportRequest
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## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of years	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2020	30/09/2020	30/09/2020

For data relating to the 2020 Capacity Year and onwards, please refer to Reserve Capacity | Reserve Capacity Mechanism menu in MPI.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Year	Date		First year of report period (inclusive).
End Year	Date		Last year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Capacity Year	Date	The Reserve Capacity Year.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Facility Type.
Facility Status	String	The Reserve Capacity status of the facility. I – Commercial Operation, P – Proposed and C – Committed.
Capacity Block	Decimal	The capacity block associated with the Certified Reserve Capacity.
Availability Class	Decimal	Class of availability associated with the Certified Reserve Capacity.
Certified Capacity (MW)	Decimal	Certified Reserve Capacity Quantity in MW.

# 8. Monthly Reserve Capacity Reports

## 8.1 Monthly Capacity Credits

<b>Purpose</b>	This report details the available capacity credits available to the Market Participant to allocate.
<b>Timing</b>	Monthly, in line with 9.16.2(b)i. as prescribed in the Settlement Cycle Timeline available on the AEMO website ( <a href="http://wa.aemo.com.au/home/electricity/market-participants/settlement-information">http://wa.aemo.com.au/home/electricity/market-participants/settlement-information</a> ).
<b>WEM Rule</b>	9.16.2(b)i
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_MonthlyCC
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getMPMonthlyCCReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of months	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to the 2017 Capacity Year and onwards, please refer to <https://wems.aemo.com.au/rcm/api/docs/>.

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).



## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Month	Date	The Trading Month.
Participant Name	String	The unique code which identifies the Market Participant.
Monthly Capacity Credits (MW)	Decimal	Number of Capacity Credits in MW available to be allocated.

## 8.2 Reserve Capacity Testing: Detailed Report for Demand Side Programmes

<b>Purpose</b>	This report details a Market Participants Reserve Capacity Testing results for Demand Side Programme facilities, by Observation.
<b>Timing</b>	Published as data becomes available.
<b>WEM Rule</b>	4.25.2(b)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_Det_DSMFacility
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getDetailedDSMFacilityReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of Months	6	6	30
Earliest available data	1/10/2010	1/10/2010	1/10/2010

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The unique code which identifies the Market Participant.
Facility	String	The unique code which identifies the facility.
Interval	Date	Trading Interval
Relevant Demand	Decimal	The consumption level in MW for a Demand Side Programme determined in accordance with 4.26.2CA
Actual MW	Decimal	The meter reading for the facility in MW
Curtailment	Decimal	The difference between Relevant Demand minus Actual MW.
Capacity Credits	Decimal	The number of Capacity Credits allocated to the Facility in MW
Observation	String	Whether the Facility passed the test based on Observation.

## 8.3 Reserve Capacity Testing: Detailed Report for Generators

<b>Purpose</b>	This report details a Market Participants Reserve Capacity Testing results for generation facilities, by Observation.
<b>Timing</b>	Published as data becomes available.
<b>WEM Rule</b>	4.25.2(a)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_Det_Generator
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getDetailedGeneratorReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of Months	6	6	30
Earliest available data	1/10/2010	1/10/2010	1/10/2010

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First trading date of report period (inclusive).

Field	Type	Constraints	Description
End Month	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The unique code which identifies the Market Participant.
Facility	String	The unique code which identifies the facility.
Fuel Type	String	Fuel type declaration.
Fuel in Use	String	Fuel type in use during the interval.
Interval	Date	Trading Interval.
Actual MW	Decimal	The meter reading for the facility in MW.
MW@41	Decimal	The MW equivalent of the facility at 41 degrees Celsius.
Capacity Credits	Decimal	The number of Capacity Credits allocated to the Facility in MW.
MW@41 – CC	Decimal	The difference between the MW@41 and the number of Capacity Credits.
Fuel Declaration	String	The fuel declared to be used during the interval.
Observation	String	Whether the Facility passed the test based on Observation.

# 9. Balancing and Load Following Reports

## 9.1 Balancing and LFAS Participant Split

<b>Purpose</b>	This report provides interval by interval breakdown of percentage of Balancing and LFAS market covered by the Balancing Portfolio and IPP Facilities.
<b>Timing</b>	Daily, for 2 Trading Days prior.
<b>WEM Rule</b>	N/A
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mapi/ws/balancing/v2.5?wsdl</a> getMarketProportion

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	7
Earliest available data	N/A	N/A	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Source Type	String	Valid values are: FORECAST FINAL	Defines which load source is provided.
Trading Date Interval Range	Date		Trading date interval range in which reports are required.

Field	Type	Constraints	Description
Market Type	String	Valid values are: BALANCING LFAS_UP LFAS_DOWN ALL  If omitted, defaults to "ALL".	Market type flag for which the proportions are to be reported.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Source Type	String	Defines which price type and load source is provided.
Trade Date	Date	The trading date on which prices are reported.
Delivery Hour	Decimal	The trading hour on which prices are reported.
Delivery Interval	Decimal	The trading interval on which prices are reported.
Market Type	String	Defines whether the data relates to Balancing, LFAS Up or LFAS Down.
Portfolio Percentage	Decimal	Percentage of market provided by Balancing Portfolio.
IPP Percentage	Decimal	Percentage of market provided by IPP or Standalone Facilities.

## 9.2 Balancing Gate Closure

<b>Purpose</b>	This report summarises all Balancing Submissions that were made after Gate Closure.
<b>Timing</b>	Available after a Balancing Submission is made after Gate Closure
<b>WEM Rule</b>	N/A
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Balancing   Balancing Gate Closure Violations
<b>Web Service</b>	Not Available

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	N/A	N/A
Earliest available data	01/07/2012	N/A	N/A

## Arguments

This report is not available through Web Services.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Day	Date	The trading date which the Balancing submission applies to.
Delivery Interval	Decimal	The Trading Interval which the Balancing submission applies to.
Participant Name	String	The authenticated participant name.
Resource Name	String	Resource for which quantities and prices are to be reported.
Submission Time	Date	The time which the Balancing Submission was made.
Submitted Quantity (MW)	Decimal	Tranche Quantity in MW for the Trading Interval.
Submitted Price (\$/MWh)	Decimal	Tranche Price submitted for the Trading Interval.
Unavailability (MW)	Decimal	Quantity Unavailable in MW submitted for the Trading Interval.
Submitted by	String	MPI Username of the submitter.

## 9.3 Balancing Load, Prices and Spare Capacity

<b>Purpose</b>	<p>This report allows the retrieval of prices, load, Non-Scheduled Generation and spare capacity for a selected date range and price type (forecast, provisional or final<sup>1</sup>). The load and Non-Scheduled Generation values will represent the values utilised in determining the price.</p> <p>Prices provided will be the latest created for the price type, i.e. the latest forecast price generated for the requested Trading Interval. Requests for historic forecast prices and load (more than seven trading days in the past) will retrieve the last value created for the price type.</p>
<b>Timing</b>	<p>Forecast price type: Every 30 minutes</p> <p>Provisional price type: Daily, 7:00am for the previous Trading Day</p> <p>Final price type: Business days, for Trading Days two days prior (D-2), unless extended under 7A.3.12</p>
<b>WEM Rule</b>	4.26.1(d) & (e), 10.5.1(iA) i1, 10.5.1(iA) i3 and 10.5.1(iA) i4
<b>Confidentiality</b>	Public, with exception of the Forecast Aggregation MW field and Forecast NSG Source
<b>MPI</b>	Balancing   Balancing Prices
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpl/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mpl/ws/balancing/v2.5?wsdl</a> <b>getBalancingPrices</b>

<sup>1</sup> Note that the spare capacity is only available for price types forecast and provisional.

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	5
Earliest available data	01/07/2012	01/07/2012	01/07/2012

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Price Type	String	Valid values are Forecast, Provisional, and Final	Specifies the type of price required.
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Price	Decimal	Balancing Price in \$ per MWh.
Load	Decimal	EOI value in MW of System Load as supplied by SM.
Non Scheduled Generation	Decimal	EOI value in MW of System Load attributable to Non Scheduled Generation as supplied by SM.
MP Forecast Aggr MW (Market Participant restricted)	Decimal	Aggregated sum of participant's facilities EOI MW values.
Forecast NSG Source (Market Participant restricted)	String	Source of forecast Non-Scheduled Generation value, e.g. System Management.
Forecast Spare Capacity MW	Decimal	Spare capacity (as per 4.26.1(d)&(e)) calculated using: <ul style="list-style-type: none"><li>The latest Forecast Load (excluding NSG) as an estimate of the Sent Out Metered Schedule</li><li>Ex-ante outages.</li></ul> This field updates with every updated Load Forecast before the Trading Interval commences.

Field	Type	Description
Provisional Spare Capacity Using Ex-Ante MW	Decimal	<p>Spare capacity (as per 4.26.1(d)&amp;(e)) calculated using:</p> <ul style="list-style-type: none"> <li>SCADA data as an estimate of the Sent Out Metered Schedule</li> <li>Ex-ante outages.</li> </ul> <p>This value will be made available soon after Resource SCADA is received by WEMS at 12:00pm on the day the Trading Day has ended.</p>
Provisional Spare Capacity Using Ex-Post MW	Decimal	<p>Spare capacity (as per 4.26.1(d)&amp;(e)) calculated using:</p> <ul style="list-style-type: none"> <li>SCADA data for the Sent Out Metered Schedule</li> <li>Ex-post outages are used in the calculation.</li> </ul> <p>This value will be made available soon after ex-post outages are received by WEMS at 12:00pm up to 15 Business Days after the Trading Day.</p>

## 9.4 Balancing Load Forecast

<b>Purpose</b>	<p>This report allows the retrieval of the Balancing Load Forecast, which is a forecast of the non-loss factor adjusted End of Interval load for all Trading Intervals in the Balancing Horizon.</p> <p>This data is provided by System Management and is updated every 5 minutes. Forecast values provided will be the latest available values at the time of request.</p> <p>Historical load forecasts are not available through this web service. The load values used in the Forecast BMO calculation can be obtained via the <code>getBalancingPrices</code> web service.</p>
<b>Timing</b>	Every 5 minutes
<b>WEM Rule</b>	7A.3.15
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mapi/ws/balancing/v2.5?wsdl</a> <code>getBalancingLoadForecast</code>

### Limitations

The following limitations apply when using this report.

Parameters	Web Service
Available data	Remaining Trading Intervals in the Balancing Horizon

### Arguments

There are no arguments for this report.

### Fields

The following fields are available in each row of the report.



Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Forecast EOI MW	Decimal	EOI value in MW of System Load as supplied by SM.
Forecast As At	Date	The date and time of the Balancing Load Forecast.

## 9.5 Balancing Merit Order

<b>Purpose</b>	<p>This report allows the retrieval of the Balancing Merit Order (BMO) for each Trading Interval in the requested date and time range, for the requested source type. These BMOs consist of price and quantity pairs (tranches).</p> <p>Participant and resource identifier information will be excluded for all tranches with the exception of the requesting participant's resources, ensuring that the BMO is "anonymous" for participants.</p> <p>The BMO provided will be calculated from the latest available submissions. Requests for historic BMOs with Source Type of Forecast will return the values for the last Forecast BMO created for the Trading Interval, as transferred to System Management for dispatch instruction.</p>
<b>Timing</b>	Half hourly, calculated just after the completion of each Trading Interval for all future intervals within the Balancing Horizon
<b>WEM Rule</b>	10.5.1(iA)i2
<b>Confidentiality</b>	Public (identities of other participants are anonymous), for completed Trading Days
<b>MPI</b>	Balancing   Balancing Merit Order
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl</a> getBalancingMeritOrder

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	2	2
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Source Type	String		Specifies the type of BMO required. Valid values are Forecast, Provisional and Final.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Specifies the start and end date, hour and interval (inclusive).
Participant Name	String	Valid values include <Participant Name> or All.  Optional argument – defaults to authenticated participant.	Specifies the unique code which represents the Market Participant.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Rank	Decimal	The rank of the facility in the BMO.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
Price	Decimal	Loss adjusted price in \$/MWh submitted by the Market Participant.
Quantity	Decimal	Sent out quantity in MW submitted by the Market Participant.

## 9.6 Balancing Quantities and Prices (Balancing Schedule)

<b>Purpose</b>	<p>This report permits the retrieval of indicative Balancing Quantities and Prices per resource for a requested date range and source type (forecast, provisional or final). The report is constructed based off where the load intersects the relevant BMO (Forecast, Provisional and Final).</p> <p>The load utilised to determine the Schedule reflects the load utilised in the respective BMO calculation. The report only returns values for the authenticated participant.</p>
<b>Timing</b>	Half hourly, calculated just after the completion of each Trading Interval for all future intervals within the Balancing Horizon
<b>WEM Rule</b>	10.5.1(iA)i
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Balancing   Balancing Schedule
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl</a> getBalancingQuantityPrices

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	5
Earliest available data	21/09/2006	21/09/2006	21/09/2006

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Source Type	String		Specifies the type of BMO required. Valid values are Forecast, Provisional and Final.
Trading Date Interval Range	Date		Specifies the start and end date, hour and interval (inclusive).
Participant Name	String	Defaults to authenticated participant.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid values include <Resource Name> and ALL  Optional Argument – defaults to ALL	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
Price	Decimal	Calculated loss adjusted balancing price in \$/MWh.
Quantity	Decimal	Sent-out quantity in MW scheduled for the resource.

## 9.7 Balancing Submissions

<b>Purpose</b>	This report permits the retrieval of Balancing Submissions for a requested date and time range. The Submissions available for publication are Variation, Standing or Effective (the Submissions used to create the BMO).
<b>Timing</b>	Available after successful a Balancing submission has been made to AEMO
<b>WEM Rule</b>	10.5.1(iA)ii
<b>Confidentiality</b>	Public, after 7 Trading Days
<b>MPI</b>	Balancing   Balancing Submissions
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl</a> getBalancingSubmissions

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	2
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Specifies the start date, hour and interval and end date hour and interval (inclusive).
File Type	String		Describes the type of submission to be extracted.
Participant Name	String	Valid values include <Participant Name> or All.  Optional argument – defaults to authenticated participant  If ALL is used in conjunction with a Trading Date Interval Range within the last 7 days, the report will only return data for the authenticated participant	Specifies the unique code which represents the Market Participant.

Field	Type	Constraints	Description
Resource Name	String	<p>Valid values include &lt;Resource Name&gt; and ALL</p> <p>Optional argument – defaults to ALL</p> <p>If ALL is used in conjunction with a Trading Date Interval Range within the last 7 days, the report will only return data for the authenticated participant</p>	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
File Type	String	Describes the type of submission.
Uploaded By	String	The username of who made the submission.
Date Uploaded	Date	The date and time the submission was made.
Action	String	Describes the action taken in the submission.
Unavailable	Decimal	Quantity declared in MW as being unavailable capacity in the submission.
Submitted Price	Decimal or String	Submitted balancing price in \$/MWh on a sent out basis for the given tranche.
Submitted Quantity	Decimal or String	Submitted MW quantity on a sent out basis for the given tranche.
BMO Price	Decimal	Calculated Balancing Price in \$/MWh on a loss adjusted basis for the given tranche (as used in the BMO).
BMO Quantity	Decimal	Calculated Balancing Quantity in MW (as used in the BMO).
Marginal Loss Factor	Decimal	The Marginal loss factor of the Facility.
Max Ramp	Decimal (MW/Min)	The maximum ramp rate of the facility in MW/Min as submitted.
Fuel Type	String	The generation fuel type.

Field	Type	Description
Ancillary Purpose	String	Declares whether the tranche in question is associated with an Ancillary Service.

## 9.8 LFAS Quantity and Price (LFAS Schedule)

<b>Purpose</b>	<p>This report permits the retrieval of LFAS Quantities (LFAS Up, LFAS Down, Backup LFAS Up and Backup LFAS Down) and Prices per resource for a requested date range. The report is constructed based off where the LFAS Requirement intersects the latest available LFAS Merit Order.</p> <p>Requests for intervals in the Balancing Horizon will return Forecast LFAS prices and Quantities. Requests for intervals in current trading day but after gate closure will return Actual LFAS prices and Forecast Quantities. Requests for completed Trading Days will return the Final LFAS price and Actual LFAS quantities.</p>
<b>Timing</b>	<p>Forecast values available half hourly, calculated just after the completion of each Trading Interval for all future intervals within the Balancing Horizon which LFAS gate closure has not occurred (Rule Participant Restricted).</p> <p>Actual values available at 12pm for the previous Trading Day.</p>
<b>WEM Rule</b>	N/A
<b>Confidentiality</b>	Public, for completed trading days.
<b>MPI</b>	LFAS   LFAS Schedule
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl">https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl</a> getLoadFollowingQuantityPrices

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	31	31
Earliest available data	01/07/2012	01/07/2012	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Specifies the start date, hour and interval and end date hour and interval (inclusive).
Participant Name	String	<p>Valid values include &lt;Participant Name&gt; or All.</p> <p>Optional argument – defaults to authenticated participant.</p>	Specifies the unique code which represents the Market Participant.

Field	Type	Constraints	Description
LFAS Type	String	Valid values include LFAS_UP, LFAS_DN, BACKUP_LFAS_UP, BACKUP_LFAS_DN, ALL  Optional argument – defaults to ALL	Specifies the LFAS type data to be included.
Resource Name	String	Valid values include <Resource Name> and ALL  Optional argument – defaults to ALL	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
Type	String	Defines the type of LFAS being provided.
Quantity	Decimal	Load Following quantity in MW scheduled for the given type, for the given resource.
Price	Decimal	Calculated Load following price in \$/MWh for the given Type.

## 9.9 LFAS Requirements and Prices

<b>Purpose</b>	<p>This report permits the retrieval of the LFAS Up and LFAS Down Requirement as specified by System Management as well as the LFAS price for each LFAS type (LFAS Up, LFAS Down, Backup LFAS Up and Backup LFAS Down).</p> <p>The prices will be based on the latest calculated values. i.e. the latest Forecast price generated for the Trading Interval. Prices queried after Gate Closure will return the last value created – the Final LFAS price.</p>
<b>Timing</b>	<p>LFAS Requirement values available half hourly, calculated just after the completion of each Trading Interval for all future intervals within the Balancing Horizon which LFAS gate closure has not occurred.</p> <p>Actual Prices available at 12pm for the previous Trading Day.</p> <p>LFAS Requirement Quantity available at 12pm on the Scheduling Day for the Trading Day.</p>
<b>Rule</b>	10.5.1(iB)iii and 10.5.1(iB)
<b>Confidentiality</b>	Public, for completed Trading Days

<b>MPI</b>	LFAS   LFAS Prices
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl">https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl</a> getLoadFollowingPrices

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	31	31
Earliest available data	01/07/2012	01/07/2012	01/07/2012

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Range	Date		Specifies the start date and end date (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
LFAS Up Price	Decimal	The calculated LFAS Up Price in \$/MW.
LFAS Down Price	Decimal	The calculated LFAS Down price in \$/MW.
Backup LFAS Up Price	Decimal	The submitted Backup LFAS Up Price in \$/MW.
Backup LFAS Down Price	Decimal	The submitted Backup LFAS Down Price in \$/MW.
LFAS Up Requirement	Decimal	The LFAS Up requirement in MW as provided by System Management.
LFAS Down Requirement	Decimal	The LFAS Down requirement in MW as provided by System Management.



## 9.10 Load Following Merit Order

<b>Purpose</b>	This report permits the retrieval of the Load Following Merit Orders (LFMO) for each Trading Interval in a requested date and time range. These LFMOs consist of LFAS Up and LFAS Down band prices and sizes.  The LFMO provided will be calculated from the latest available submissions. Requests for historic LFMOs will return the values for the final LFMO created for the Trading Interval, which were the “final values” for the Trading Interval, as transferred to System Management.
<b>Timing</b>	Half hourly, calculated just after the completion of each Trading Interval for all future intervals within the Balancing Horizon which Gate Closure has not occurred
<b>WEM Rule</b>	10.5.1(iB)i and 10.5.1(iB)ii
<b>Confidentiality</b>	Public, for completed Trading Days. (Participant and resource identifier information will be excluded for LFMOs relating to incomplete Trading Days)
<b>MPI</b>	LFAS   LFAS Merit Order
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl">https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl</a> getLoadFollowingMeritOrders

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	5
Earliest available data	01/07/2012	01/07/2012	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Specifies the start date, hour and interval and end date hour and interval (inclusive).
LFAS Type	String	Valid values include LFAS_UP, LFAS_DN, ALL  Optional argument – defaults to ALL	Specifies the LFAS type data to be included.
Participant Name	String	Valid values include <participant name> or All.  Optional argument – defaults to authenticated participant.	Specifies the unique code which represents the Market Participant.

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Rank	Decimal	The rank of the facility in the LFMO.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
Price	Decimal	The calculated LFAS Price in \$/MW for the given Type.
Size	Decimal	The LFAS quantity offered in MW.
LFAS Type	String	Defines the type of LFAS being provided.

## 9.11 Load Following Submissions

<b>Purpose</b>	This report permits the retrieval of Load Following Submissions for a requested date range and time. The Submissions available for publication are Variation, Standing or Effective (the Submissions used to create the LFMO).
<b>Timing</b>	Available after successful a Load Following submission has been made to AEMO
<b>WEM Rule</b>	10.5.1(iC)
<b>Confidentiality</b>	Public, after 7 Trading Days
<b>MPI</b>	LFAS   LFAS Submission
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl">https://wems.aemo.com.au/mapi/ws/lfas/v2?wsdl</a> getLoadFollowingSubmissions

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	5
Earliest available data	01/07/2012	01/07/2012	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Specifies the start date, hour and interval and end date hour and interval (inclusive).

Field	Type	Constraints	Description
File Type	String	Valid Values include EFFECTIVE, STANDING and VARIATION	Describes the type of submission to be extracted.
Participant Name	String	Valid values include <Participant Name> or All.  Optional argument – defaults to authenticated participant  If ALL is used in conjunction with a Trading Date Interval Range within the last 7 days, the report will only return data for the authenticated participant	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid values include <Resource Name> and ALL  Optional argument – defaults to ALL  If ALL is used in conjunction with a Trading Date Interval Range within the last 7 days, the report will only return data for the authenticated participant	Specifies the unique code which represents the facility.
LFAS Type	String	Valid values include LFAS_UP, LFAS_DN, BACKUP_LFAS_UP, BACKUP_LFAS_DN and ALL  Optional – defaults to ALL	Defines the type of LFAS being provided.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date which the report relates to.
Delivery Hour	Decimal	The trading hour which the report relates to.
Delivery Interval	Decimal	The Trading interval which the data relates to.
Participant Name	String	The unique code which identifies the Market Participant.
Resource Name	String	The unique code which identifies the facility.
File Type	String	Describes the type of submission, Variation or Standing.
Type	String	Defines the type of LFAS being provided.
Uploaded By	String	The username of who made the submission.

Field	Type	Description
Date Uploaded	Date	The date and time the submission was made.
Action	String	Describes the action taken in the submission, Submit or Cancel.
Price	Decimal	Submitted LFAS price in \$/MWh for the given band.
Band Size	Decimal	Submitted LFAS quantity in MW for the given band.

## 9.12 Theoretical Energy Schedule

<b>Purpose</b>	This report permits the retrieval of all Theoretical Energy Schedule (TES) Reports for a requested date range.
<b>Timing</b>	Provisional TES: 2 Business Days plus 1 Trading Day prior. Final TES: Daily, 15 Business Days plus 1 Trading Day prior.
<b>WEM Rule</b>	6.15.3(a)ii and 6.15.3(a)iii
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Balancing   Balancing Schedule
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl">https://wems.aemo.com.au/mpi/ws/balancing/v2.5?wsdl</a> getTheoreticalEnergySchedule

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	2	5	5
Earliest available data	01/07/2012	01/07/2012	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
TES Type	String	Valid arguments include: PROVISIONAL and FINAL	The kind of TES report required.
Trading Date Interval Range	Date		The trading date range (including start/end hour and interval) for which the TES report is required.

Field	Type	Constraints	Description
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to the ALL.	Resource name for which TES is to be reported.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date on which the TES quantities are calculated for.
Delivery Hour	Decimal	The trading hour on which the TES quantities are calculated for.
Delivery Interval	Decimal	The Trading Interval on which the TES quantities are calculated for.
Participant Name	String	The authenticated participant name.
Resource Name	String	Resource for which quantities and prices are to be reported.
TES Min	Decimal	The Minimum Theoretical Energy Schedule for the resource. (MWh).
TES Max	Decimal	The Maximum Theoretical Energy Schedule for the resource. (MWh).
Sent Out Capacity	Decimal	Sent Out Capacity of the Facility in MW.
Outage	Decimal	Outage quantity (MW).
Available Capacity	Decimal	Sent Out Capacity less Outages.

# 10. System Management Data Reports

## 10.1 Ancillary Service Activation Instructions

<b>Purpose</b>	This report permits the retrieval of all Ancillary Services Activation Instructions for a requested date range.
<b>Timing</b>	Daily, at 12:00am for the previous Trading Day (D-1)
<b>WEM Rule</b>	7.13.1(e), 7.13.1(eA), 7.13.1(eB) and 7.13.1(eC)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl</a> getAncillaryServicesActivationInstructions

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
AS Type	String	Valid arguments include: LU (LFAS Up band), LD (LFAS Down band), BU (Back-up LFAS Up band), BD (Back-up LFAS Down band), CU (Cancellation LFAS Up Submission), CD (Cancellation LFAS Down Submission) and ALL	The type of Activation instruction.
Trading Date Interval Range	Date		Trading date interval range in which ancillary services activation reports are required.

Field	Type	Constraints	Description
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The name of the participant in the AS instruction.
Resource Name	String	The resource name in the AS instruction.
AS Activation Instruction ID	Decimal	The unique identifier for the AS instruction.
Time Stamp	Date	The date and time the AS instruction was generated.
Trade Date	Date	The trading date on which the AS instruction is reported.
Delivery Hour	Decimal	The trading hour on which the AS instruction is reported.
Delivery Interval	Decimal	The Trading Interval on which the AS instruction is reported.
Size	String (MW)	The amount of ancillary service instruction. All "size" values are positive.  Cancellation instructions will have a NULL value.
AS Type	String	The type of Activation instruction required. The types of activation instruction are:  LU – LFAS Up band. LD – LFAS Down band. BU – Back-up LFAS Up band. BD – Back-up LFAS Down band. CU – Cancellation LFAS Up Submission CD – Cancellation LFAS Down Submission
Response Time	Date	Time of response
Comments	String	AS Activation Instruction comments

## 10.2 Dispatch Advisories

<b>Purpose</b>	This report permits the retrieval of all Dispatch Advisories from System Management for a requested date range.
<b>Timing</b>	Published as received from System Management
<b>WEM Rule</b>	10.5.1(k)
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl</a> getDispatchAdvisories

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Trading date range (including start/end hour and interval) for which quantities are required.
Dispatch Advisory Code	String	Valid arguments include: OTHER and ALL  If omitted, defaults to "ALL".	Dispatch Advisory Code to report on.

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Dispatch Advisory ID	Decimal	Unique Dispatch Advisory ID.
Issue Date Time	Date	Time Stamp of when the advisory was issued.
Withdrawal	String	Flag to indicate withdrawal of previously issued advisory.  Y – Withdrawal of previous dispatch advisory. N – New dispatch advisory
Withdrawal Date Time	Date	Time Stamp of when the advisory was withdrawn.



Field	Type	Description
Operating State	String	Description of the operating state at time of issue.
Trading Date Interval Range	Date	The trading Date interval range of advisory.
Dispatch Advisory Code	String	Dispatch Advisory Code indicating purpose:  O – OTHER
Details	String	Description of Dispatch Advisory.
SM Action	String	Description of action that SM will take in relation of the Dispatch Advisory.
MP Action Required	String	Description of action that Market Participants and Network Operator must take.
MP Action Optional	String	Description of action that Market Participants may take.

### 10.3 Dispatch Instructions

<b>Purpose</b>	This report permits the retrieval of all Dispatch Instructions and Dispatch Orders for a requested date range.
<b>Timing</b>	Daily, at 12:00pm for the previous Trading Day (D-1)
<b>WEM Rule</b>	10.5.1(k)
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpl/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mpl/ws/sm/v2.6?wsdl</a> getDispatchInstructions

#### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	21/09/2006

#### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Instruction Type	String	Valid arguments include: T– Target MW Output (for Balancing Facilities); R – Reduction (for DSP Participants); and ALL	Instruction type flag for which the dispatch instructions are to be reported.
Trading Date Interval Range	Date		Specifies the start date, hour and interval and end date hour and interval (inclusive).
Participant Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to “ALL”.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to “ALL”.	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The name of the participant in the dispatch instruction.
Resource Name	String	The resource name in the dispatch instruction.
Dispatch Instruction ID	Decimal	The unique identifier for the dispatch instruction.
Time Stamp	Date	The date and time the dispatch instruction was generated.
Initial MW	Decimal	Initial MW. If no data from SM, value of “999999” returned.
Target MW	Decimal	Expected target MW at end of the Trading Interval.
Response Time	Date	Time of response.
Instruction Type	String	Instruction type. Valid values are: T– Target MW Output (for Balancing Facilities) R – Reduction (for DSP Participants)
Ramp Rate	Decimal (MW/Min)	Ramp rate to be used when responding to the instruction.
Disp Reason Flag	String	Dispatch reason flag for which the dispatch instructions are to be reported. Valid values are: F – Failure of Western Power Facility C – Instruction Cancellation O – Other

Field	Type	Description
Comments	String	Dispatch Instruction comments.

## 10.4 Ex-Post Ancillary Services

<b>Purpose</b>	This report details the ex-post Ancillary Service Quantities associated with Spinning Reserve and Load Rejection services.
<b>Timing</b>	Daily, at 12:00pm for the previous Trading Day D-1
<b>WEM Rule</b>	7.13.1eD
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl</a> getAncillaryServicesExPostQuantities

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
AS Type	String	Valid arguments include: LU – LFAS Up band. LD – LFAS Down band. BU – Back-up LFAS Up band. BD – Back-up LFAS Down band. LR – Load Rejection SR – Spinning Reserve  If omitted then return ALL.	The type of Ex-Post AS quantity required.
Trading Date Interval Range	Date		Trading date interval range in which Ex-Post AS quantities are required.

Field	Type	Constraints	Description
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date on which the quantities are reported.
Delivery Hour	Decimal	The trading hour on which the quantities are reported.
Delivery Interval	Decimal	The Trading Interval on which the quantities are reported.
Participant Name	String	The authenticated participant name.
Resource Name	String	Resource of participant for which quantities are to be reported.
Type	String	The type of Ex-Post AS quantity reported. The types are: LU – LFAS Up. LD – LFAS Down. BU – Back-up LFAS Up. BD – Back-up LFAS Down. LR – Load Rejection SR – Spinning Reserve
Quantity	Decimal	For LFAS and Backup LFAS: MW value based on AS Activation Instructions provided by SM. For SR and LR: MWh value as provided by SM.
Price	Decimal	For LFAS and Backup LFAS: Final calculated price. For SR and LR: Must be NULL (omitted).

## 10.5 Facility SCADA End of Interval

<b>Purpose</b>	This report details the end of interval MW SCADA value for each Balancing Facility. This value is utilised in the calculation of the Theoretical Energy Schedule.
<b>Timing</b>	Provisional: Half hourly, within 5 minutes after the completion of each interval Final: Daily, at 10am for two Trading Days prior (D-2)
<b>WEM Rule</b>	10.5.2.(a)
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl</a> getFacilityScadaEoiMw

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	2
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Load Type	String	Valid arguments include: PROVISIONAL and FINAL	Defines which load type is provided.
Trading Date Interval Range	Date		Trading date range (including start/end hour and interval) for which quantities are required.
Participant Name	String	Parameters are: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.

Field	Type	Constraints	Description
Resource Type	String	Valid arguments include: <RESOURCE TYPE> and ALL  If omitted, defaults to "ALL"	Resource type for which quantities are to be reported. Resource Types are: <ul style="list-style-type: none"> <li>• SG – Scheduled Generator</li> <li>• NG – Non-Scheduled Generator</li> <li>• IMG – Intermittent Generator</li> <li>• DL – Dispatchable Load</li> <li>• NL – Non-Dispatchable Load</li> <li>• CL – Curtailable Load</li> <li>• IL – Interruptible Load</li> <li>• IMCL – Intermittent Curtailable Load</li> <li>• IMIL – Intermittent Interruptible Load</li> </ul>
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date for which quantities are reported.
Delivery Hour	Decimal	The trading hour for which quantities are reported.
Delivery Interval	Decimal	The Trading Interval for which quantities are reported.
Participant Name	String	The name of the participant that owns the particular resource.
Resource Name	String	The name of the resource for which SCADA EOI quantity relates to.

Field	Type	Description
Resource Type	String	Resource Type in WEMS. Parameters include: <ul style="list-style-type: none"> <li>• SG – Scheduled Generator</li> <li>• NG – Non-Scheduled Generator</li> <li>• IMG – Intermittent Generator</li> <li>• DL – Dispatchable Load</li> <li>• NL – Non-Dispatchable Load</li> <li>• CL – Curtailable Load</li> <li>• IL – Interruptible Load</li> <li>• IMCL – Intermittent Curtailable Load</li> <li>• IMIL – Intermittent Interruptible Load</li> </ul>
EOI Quantity	Decimal	Facility SCADA EOI MW quantities as provided by System Management.

## 10.6 Facility SCADA

<b>Purpose</b>	This report details each facility's SCADA MWh for each Registered Facility.
<b>Timing</b>	Daily, at 12:00pm for the next previous Trading Day (D-1)
<b>WEM Rule</b>	7.13.1(cA) and 10.5.2(a)
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl</a> getFacilityScadaMwh

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	2
Earliest available data	N/A	N/A	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Trading date range (including start/end hour and interval) for which quantities are required.

Field	Type	Constraints	Description
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Facility Type	String	Valid arguments include: <FACILITY TYPE> and ALL  If omitted, defaults to "ALL"	Facility type for which quantities are to be reported. Facility Types are: <ul style="list-style-type: none"> <li>• SG – Scheduled Generator</li> <li>• NG – Non-Scheduled Generator</li> <li>• IMG – Intermittent Generator</li> <li>• DL – Dispatchable Load</li> <li>• NL – Non-Dispatchable Load</li> <li>• CL – Curtailable Load</li> <li>• IL – Interruptible Load</li> <li>• IMNL – Intermittent Non-Dispatchable Load</li> <li>• IMCL – Intermittent Curtailable Load</li> <li>• IMIL – Intermittent Interruptible Load</li> </ul>
Facility Name	String	Valid arguments include: <FACILITY NAME> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trade Date	Date	The trading date for which quantities are reported.
Delivery Hour	Decimal	The trading hour for which quantities are reported.
Delivery Interval	Decimal	The Trading Interval for which quantities are reported.
Participant Name	String	The name of the participant that owns the particular resource.
Facility Name	String	The name of the facility for which SCADA MWh quantity relates to.



Field	Type	Description
Facility Type	String	Facility Type in WEMS. Parameters include: <ul style="list-style-type: none"> <li>• SG – Scheduled Generator</li> <li>• NG – Non-Scheduled Generator</li> <li>• IMG – Intermittent Generator</li> <li>• DL – Dispatchable Load</li> <li>• NL – Non-Dispatchable Load</li> <li>• CL – Curtailable Load</li> <li>• IL – Interruptible Load</li> <li>• IMCL – Intermittent Curtailable Load</li> <li>• IMIL – Intermittent Interruptible Load</li> </ul>
Quantity MWh	Decimal	Telemetered quantity in MWh, as provided by System Management. (Sent out values).

## 10.7 Dispatch Instructions

<b>Purpose</b>	This report will allow the retrieval of information relating to Operating Instructions issued by System Management.
<b>Timing</b>	Daily, at 12:00pm for the previous Trading Day (D-1)
<b>WEM Rule</b>	7.13.1(cC)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl</a> getOperatingInstructions

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Trading date interval range in which reports are required.

Field	Type	Constraints	Description
Participant Name	String	Valid arguments include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.
Resource Name	String	Valid arguments include: <Resource Name> and ALL  If omitted, defaults to "ALL".	Specifies the unique code which represents the facility.
Instruction Reason Flag	String	Valid arguments include: <INSTRUCTION REASON FLAG> and ALL	Instruction reason flag for which the operating instructions are to be reported. Valid values are:  T – If Facility is undergoing Commissioning Test in the interval  P – If Facility is undergoing Reserve Capacity Test in the interval  N – If the dispatch is for Generator Interim Access (GIA) related Network Control Service (NCS) Contracts  C – If the dispatch is for non-GIA related NCS Contracts  R – Supplementary Reserve Capacity  E – Network Equipment Outage  O – Other

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant Name	String	The name of the participant in the operating instruction.
Resource Name	String	The resource name in the operating instruction.
Operating Instruction ID	Decimal	The unique identifier for the operating instruction.
Time Stamp	Date	The date and time the operating instruction was generated.
Start Time	Date	The start time of the operating instruction.
End Time	Date	The end time of the operating instructions.
Quantity	Decimal	The quantity in MW related to the operating instruction (if required).

Field	Type	Description
Response Time	Date	The response time required for the operating instruction.
Instruction Reason Flag	String	Instruction reason flag for which the operating instructions are to be reported. Valid values are:  T – If Facility is undergoing Commissioning Test in the interval  P – If Facility is undergoing Reserve Capacity Test in the interval  N – If the dispatch is for GIA related NCS Contracts  C – If the dispatch is for non-GIA related NCS Contracts  R – Supplementary Reserve Capacity  E – If the dispatch is related to a network equipment outage  O – Other
Comments	String	Operating Instruction comments.
NCS Contract ID	String	The unique identifier for the NCS Contract.

## 10.8 System Management Compliance

<b>Purpose</b>	This report details information relating to the compliance of Dispatch Instructions, Operating Instructions and AS Activation Instructions.
<b>Timing</b>	Daily, for the previous Trading Day (D-1), assuming there is a non-compliance event
<b>WEM Rule</b>	7.10.7(a), 7.13.1A and 7.13.1(f)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mpi/ws/sm/v2.6?wsdl</a> getSMCompliance

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Interval Range	Date		Trading date interval range in which SM Compliance reports are required.
Participant Name	String	Valid argument include: <Participant Name> and ALL  If omitted, defaults to the authenticated participant name.	Specifies the unique code which represents the Market Participant.

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Compliance Advisory ID	Decimal	SM Compliance Advisory ID.
Dispatch ID	Decimal	Unique identifier of Dispatch instruction sent which the non-compliance event relates to.
Operating ID	Decimal	Unique identifier of Operating instruction sent which the non-compliance event relates to.
AS Activation ID	Decimal	Unique identifier of AS Activation instruction sent which the non-compliance event relates to.
NC Source	String	Source of non-compliance: SM – System Management VP – Balancing Portfolio VS – Standalone Facility IP – IPP O – Other participant
NC Reason	String	Flag to indicate source of non-compliance: B – Balancing non-compliance. L – LFAS non-compliance O – Other non-compliance
Trading Date Interval Range	Date	The trading date interval range of non-compliance.
Quantity	Decimal	Quantity of non-compliance. (e.g. For Balancing Portfolio Balancing non-compliance this will be in MWh).
SM Response	String	Reason for non-compliance / description of response that SM took in relation to the non-compliance.
MP Response	String	Reason for non-compliance / description of response that Market Participant performed.

## 10.9 Real Time Outages

<b>Purpose</b>	This report details outage information as submitted to System Management.
<b>Timing</b>	Published as received from System Management.
<b>WEM Rule</b>	10.5.3
<b>Confidentiality</b>	Public
<b>MPI</b>	Energy Market   RealTime Outages
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl">https://wems.aemo.com.au/mapi/ws/sm/v2.6?wsdl</a> getRealTimeOutage

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	N/A
Earliest available data	19/08/2013	19/08/2013	19/08/2013

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Real Time Outage ID	Decimal	Unique identifier of each Outage.
Participant Name	String	The name of the participant that owns the particular resource.
Resource Name	String	The name of the facility for which the outage relates to.
Amendment Time	Date	Time which the outage record was created or amended.

Field	Type	Description
Outage Status	Decimal	Outage status as determined by System Management: 0000 – Submitted 0004 – Accepted 0005 – Accepted with Conditions 0006 – Approved 0008 – Rejected 0009 – Cancelled By SM 0010 – Cancelled By MP 0027 – Recalled 0028 – Not Accepted
Version	Decimal	Outage Version for the given Outage ID as determined by System Management.
Type	String	Outage Reason Flag. Values are: S – Scheduled (Planned) O – Opportunistic Maintenance (Planned) F – Forced; C – Consequential
Start Time	Date	Start time of the outage.
End Time	Date	End time of the outage.
Outage MW	Decimal	Outage MW (Clause of the WEM Rules 7.13.1E(d) or 7.13.1G(d)).
Recovery Time	Decimal	Time in Minutes required to return the facility back to an operational state.
Description	String	Description of outage.
Risk Assessment	String	Risk assessment of outage.
Contingency Plan	String	The plan in place if the facility is required to be returned to an operating state.

# 11. Market Reports

## 11.1 Market Advisories

<b>Purpose</b>	This report provides details on Market Advisories issued by AEMO.
<b>Timing</b>	Available immediately after a Market Advisory has been issued
<b>WEM Rule</b>	10.5.1(k)
<b>Confidentiality</b>	Public
<b>MPI</b>	Not Available
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/market/v2?wsdl">https://wems.aemo.com.au/mpi/ws/market/v2?wsdl</a> getMarketAdvisories

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	31
Earliest available data	N/A	N/A	01/07/2012

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Trading Date Range	Date		The date range for which the Market Advisory report is required.

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Market Advisory Type	String	Type of Market Advisory provided.
Release Date	Date	The published date and time of the Market Advisory.
Situation Details	String	The complete description of the situation related to the Market Advisory.
AEMO Action	String	Actions to be undertaken by AEMO.
MP Action	String	Required actions to be undertaken by Market Participants.

Field	Type	Description
VMP Action	String	Voluntary actions to be undertaken by Market Participants.
Network Action	String	Required Actions to be undertaken by Network Operator.
VNetwork action	String	Voluntary action to the undertaken by the Network Operator.

## 11.2 All STEM Ancillary Service Declarations Report

<b>Purpose</b>	This report details each Market Participants Ancillary Services Declarations in STEM.
<b>Timing</b>	Daily, at 11:00pm for six Trading Days prior (D-6)
<b>WEM Rule</b>	10.5.1(i)ii4
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   All_Ancillary_Declarations
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getPUBStemPartInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	10
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.



Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Anc Serv Liq (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by liquid fuel facilities.
Anc Serv Non-Liq (MWh)	Decimal	Ancillary Service quantity in MWh expected to be provided by non-liquid fuel facilities.

### 11.3 All STEM Bids and Offers Report

<b>Purpose</b>	This report summarises each Market Participant's bids and offers derived from their STEM portfolio supply and demand curves.
<b>Timing</b>	Daily, at 11:00pm for six Trading Days prior (D-6)
<b>WEM Rule</b>	10.5.1(i)ii1 and 10.5.1(i)ii2
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   All_Bids_and_Offers
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mapi/ws/reports/v7.1?wsdl</a> getPUBStemBidsOfferReportRequest

#### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	10
Earliest available data	21/09/2006	21/09/2006	21/09/2006

#### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

#### Fields

The following fields are available in each row of the report.

Field	Type	Description
Participant ID	String	The unique code which identifies the Market Participant.
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.

Field	Type	Description
Trading Interval	Decimal	The Trading interval which the data relates to.
Type (Bid/Offer)	String	Defines whether the price quantity pairs refer to a Bid or Offer after taking into account their net bilateral position.
Price (\$)	Decimal	Energy price at the point in the supply or demand curve in \$/MWh.
Quantity (MWh)	Decimal	Quantity of energy at the point in the supply or demand curve in Megawatts (MWh).

## 11.4 All STEM Facility Declarations Report

<b>Purpose</b>	This report details each Market Participant's fuel and unavailability declarations as submitted in STEM by facility.
<b>Timing</b>	Daily, at 11:00pm for six Trading Days prior (D-6)
<b>WEM Rule</b>	10.5.1(i)ii4
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   All_Facility_Declarations
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getPUBStemFacilityInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	10
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.

Field	Type	Description
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Fuel	String	Defines the fuel type declaration for STEM. Valid values include "N" (Non-Liquid) and "L" (Liquid).
Unavailable Capacity (MWh)	Decimal	Total Unavailable Capacity in MWh declared by the Market Participant.

## 11.5 All STEM Trades Report

<b>Purpose</b>	This report details a Market Participants net quantity traded in STEM.
<b>Timing</b>	Daily, at 11:00pm for six Trading Days prior (D-6)
<b>WEM Rule</b>	10.5.1(i)ii3
<b>Confidentiality</b>	Public
<b>MPI</b>	Reports   View   All_STEM_Trades
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl</a> getPUBStemResultsPartInfoReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	10
Earliest available data	21/09/2006	21/09/2006	21/09/2006

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Participant ID	String	The unique code which identifies the Market Participant.
Quantity Traded (MWh)	Decimal	The Market Participant's net quantity traded in STEM, in MWh (Positive values indicate quantities demanded).

# 12. Settlement Reports

In August 2021, AEMO introduced a new Settlement system which extended the functionality of the Prudential Service application to provide an improved Settlement solution. The new Settlements functionality introduced as part of Prudential Service 1.7, WEMS 3.40 and RCM 1.21 replaces the previous Settlements system and contains a number of new Settlement reports. The web services in relation to these reports will provide Market Participants information related to Non-STEM/STEM Settlements Statements and Settlement Invoices. This information will be available via the API for Settlement Invoices issued from 1 August 2021 onwards. Details of these reports are available through the swagger URL:

<https://wems.aemo.com.au/prudential/api/docs/>.

The reports previously in this section provide archived information and will no longer be updated following the introduction of the Settlement Service application. Accordingly, these reports are now documented in section 14 of this document.

# 13. WEM Attributes Report

This report is available via RESTful web services and can be accessed using HTTP GET requests. All data returned is in JSON format.

The base URL is `https://[hostname]/mpi/ws/rest/v1/wem`, where the hostname is:

- Market Trial: `wems-mkt.aemo.com.au`
- Production: `wems.aemo.com.au`

These reports are available as of the WEMS 3.16 release.

Please note that you must not be logged into the MPI while making the requests detailed in this section.

This report can request the market parameter values on current trade date as well as for a specific trade date. This is illustrated by the URLs below:

Current: `/mpi/ws/rest/v1/wem/attributes/current`

By trade date: `/mpi/ws/rest/v1/wem/attributes/YYYY-MM-DD`

The information in this web service is also available under a new MPI report (Reports tab → Attributes) as illustrated below.

## Response Fields

Field	Type	Description
name	String	The attribute variable name.
description	String	The name of the attribute. Includes: <ul style="list-style-type: none"><li>• Maximum STEM Price</li><li>• Alternative Maximum STEM price</li><li>• Minimum STEM Price</li><li>• Balancing Gate Closure</li><li>• LFAS Gate Closure</li></ul>
value	Decimal	The value of the attribute.
unit	String	The units applicable to the attribute.

## Sample Response

[
{
"name": "ALT_STEM_PRICE",
"description": "Alternative Maximum Stem Price",
"value": 391,
"unit": "\$/MWh"
},
{
"name": "BALANCING_GATE_CLOSURE",

"description": "Gate Closure time in minutes for the balancing market",
"value": 90,
"unit": "Minutes"
},
{
"name": "LFAS_GATE_CLOSURE",
"description": "Gate Closure time in minutes for the load following market",
"value": 210,
"unit": "Minutes"
},
{
"name": "MAX_STEM_PRICE",
"description": "Maximum Stem Price",
"value": 267,
"unit": "\$/MWh"
},
{
"name": "MIN_STEM_PRICE",
"description": "Minimum Stem Price",
"value": -1000,
"unit": "\$/MWh"
}
]

# 14. Archive

The following reports have been archived.

## 14.1 Resource Plan

Purpose	This report details a Market Participants submitted resource plan which is reflective of their Net Contract Position as determined by their Bilateral and STEM positions.
Timing	Daily, at 1:00pm for the next trading day (D+1)
WEM Rule	10.7.1(d)i
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_ResPlan
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getResPlanSubmissionReportRequest

This report will no longer be published from trading day 2 July 2019 when rule change RC\_2014\_06 came into effect. Historical versions of this report are available in the WEMS.

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	31	31	31
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	01/07/2019	01/07/2019	01/07/2019

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).



## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
From Standing	String	Identifies if the submission is derived from Standing Data.
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Defines the type of facility. Valid values include "SCHED_GEN" and "DISP_LOAD".
Quantity (MWh)	Decimal	Total energy generated for the specified Trading Interval in Megawatt hours (MWh).
Target (MW)	Decimal	Sent out output at the end of the specified Trading Interval in Megawatts (MW).
Ramp Rate (MW/min)	Decimal	Ramp rate specified for Trading Interval in (MW/min).
Total Demand (MWh)	Decimal	Total energy demand consumed by the Market Participant excluding demand associated with Dispatchable Loads, in Megawatt hours (MWh, loss factor adjusted).
Total Demand EOI (MW)	Decimal	End of Interval MW value of Total Demand.
Non Scheduled Generation (MWh)	Decimal	Sum of expected Non-Scheduled Generation in MWh (loss factor adjusted).
Shortfall (MWh)	Decimal	Shortfall between net energy scheduled in resource plan and the net contract position in Megawatt hours (MWh).

## 14.2 Resource Plan Standing Data Conversion

Purpose	The Market Rules allow Market Participants to submit Standing Resource Plan Submissions to AEMO that apply to certain days of the week. For Market Participants who have valid Standing Resource Plan for a Trading day, this report details the effective Resource Plan Submission converted from the Market Participant's Standing Resource Plan Submission.
Timing	Daily, at 11:00am for the next trading day (D+1)
WEM Rule	6.5.1B and 10.7.1(d)i
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   EM_RPStdConv
Web Service	<a href="https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mp/mpi/ws/reports/v7.1?wsdl</a> <b>getResourcePlanStdConvReportRequest</b>

This report will no longer be published from trading day 2 July 2019 when rule change RC\_2014\_06 came into effect. Historical versions of this report are available in the WEMS.

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	1	1	5
Earliest available data	08/05/2010	08/05/2010	08/05/2010
Latest available data	01/07/2019	01/07/2019	01/07/2019

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Day	Date	The Trade Date which the data relates to.
Hour of Day	Decimal	The Hour of Day which the data relates to.
Trading Interval	Decimal	The Trading interval which the data relates to.
Total Demand (MWh)	Decimal	Total energy demand consumed by the Market Participant excluding demand associated with Dispatchable Loads, in Megawatt hours (MWh, loss factor adjusted).
Total Demand EOI (MW)	Decimal	End of Interval MW value of Total Demand.
Non Scheduled Generation (MWh)	Decimal	Sum of expected Non-Scheduled Generation in MWh (loss factor adjusted).
Shortfall (MWh)	Decimal	Shortfall between net energy scheduled in resource plan and the net contract position in Megawatt hours (MWh).
Facility ID	String	Unique code that is used by AEMO and System Management to identify the facility.
Facility Type	String	Defines the type of facility. Valid values include "SCHED_GEN" and "DISP_LOAD".
Quantity (MWh)	Decimal	Total energy generated for the specified interval range in Megawatt hours (MWh).
Target (MW)	Decimal	Sent out output at the end of the specified interval range in Megawatts (MW).
Ramp Rate (MW/min)	Decimal	Ramp rate specified for trading interval in (MW/min).

## 14.3 Prudential Risk Indications

Purpose	This report details a Market Participant's prudential risk statistics for a given Trading Day. The report provides an indication of a Market Participant's anticipated exposure in the WEM. The report aims to provide the Market Participant transparency around the Market WEM Rule requirements placed on Market Participants under WEM Rules 2.37 to 2.43 inclusive.
Timing	Daily, at 2:00am for the next trading day (D+1)
WEM Rule	2.37.8
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   PRM_Indicator
Web Service	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> <code>getPrudentialRiskIndReportRequest</code>

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	5	10	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	26/06/2019	26/06/2019	26/06/2019

This report applies prior to 27 June 2019. From this time the report is replaced by the Trading Margin Summary and Trading Margin Details services report. This change is related to the Market Procedure Change AEPC\_2019\_03 to the Market Procedure: Prudential Requirements.

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Date	Date		First trading date of report period (inclusive).
End Date	Date		Last trading date of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
As Of Date	Date	Date as of which the prudential indicators are effective.
Invoiced Not Paid	Decimal	Accrued STEM and Non-STEM invoices yet to be paid in dollars.
STEM Daily Imbalance	Decimal	Net STEM position for Trade Date T-1 in dollars.
Non STEM Daily Imbalance	Decimal	Net Non-STEM position for Trade Date T-1 in dollars.

Field	Type	Description
STEM Trade Imbalance	Decimal	Total net STEM position for the relevant STEM settlement week in dollars.
Non-STEM Trade Imbalance	Decimal	Total net Non-STEM position for the relevant Non-STEM settlement month in dollars.
Actual Net Exposure	Decimal	Stem Trade Imbalance plus Non-STEM trade Imbalance in dollars.
STEM Forecast Exposure	Decimal	Anticipated STEM exposure.
Non-STEM Forecast Exposure	Decimal	Anticipated Non-STEM exposure.
Outstanding Amount	Decimal	Actual Exposure plus Forecast Exposure.
Credit Support	Decimal	An amount equal to at least the credit limit value representative of a guarantee/bank undertaking or cash deposit with AEMO (clause of the WEM Rules 2.38.4).
Credit Limit	Decimal	The maximum net amount expected to be owed to AEMO over any 70 period in a 48 month period (clause of the WEM Rules 2.37.4).
Trading Limit	Decimal	The prudential factor (0.87) multiplied by the Credit Support amount (clause of the WEM Rules 2.39.1).
Trading Margin	Decimal	The amount which the Trading Limit exceeds its outstanding amount.
Seasonal Multiplier	Decimal	Default 1. No seasonal multiplier has been used.

## 14.4 Trading Margin Summary

### Archived Prudential Reports

<b>Purpose</b>	<p>This report provides the archived information relating to the summary of the Market Participant's current Trading Margin.</p> <p>The report provides an indication of a Market Participant's anticipated exposure in the WEM. The report aims to provide the Market Participant transparency around the Market WEM Rule requirements placed on Market Participants under WEM Rules 2.40 to 2.41 inclusive.</p>
<b>Timing</b>	On demand.
<b>WEM Rule</b>	2.40, 2.41
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	API only
<b>URL</b>	/mpi/ws/rest/v1/wem/prudential/summary/latest
<b>Example URL</b>	/mpi/ws/rest/v1/wem/prudential/summary/latest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	1
Earliest available data	N/A	N/A	27/09/2019
Latest available data	N/A	N/A	23/08/2020

## Arguments

There are no arguments for this report.

## Fields

Field	Type	Description
asOfDate	Date	The target date used for the calculation.
participantId	String	The participant name.
outstandingAmount	Decimal	The outstanding amount calculation.
tradingMargin	Decimal	Trading Limit minus Outstanding Amount.
calculatedAt	DateTime	The date the calculation was performed.

## Example Prudential Security Summary Response

{
"asOfDate": "2017-10-01",
"participantId": "ALINTA",
"outstandingAmount": 123.45,
"tradingMargin": -111.12,
"calculatedAt": "2017-10-01T09:00:00+08:00"
}

## 14.5 Trading Margin Detail

<b>Purpose</b>	<p>This report details the Market Participant's Trading Margin for a specified time period.</p> <p>The report provides an indication of a Market Participant's anticipated exposure in the WEM. The report aims to provide the Market Participant transparency around the Market WEM Rule requirements placed on Market Participants under WEM Rules 2.40 to 2.41 inclusive.</p>
<b>Timing</b>	On demand
<b>WEM Rule</b>	2.40, 2.41
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	API only
<b>URL</b>	/mpi/ws/rest/v1/wem/prudential
<b>Example URL</b>	/mpi/ws/rest/v1/wem/prudential?from=2019-03-01&to=2019-03-28

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of days	N/A	N/A	730
Earliest available data	N/A	N/A	27/09/2019
Latest available data	N/A	N/A	23/08/2020

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
from	Date	YYYY-MM-DD	First trading date of report period (inclusive).
to	Date	YYYY-MM-DD	Last trading date of report period (inclusive).

## Fields

Field	Type	Description
asOfDate	Date	The target date used for the calculation.
participantId	String	The short code that represents the Market Participant.
invoicedNotPaid	Decimal	Accrued STEM and Non-STEM invoices yet to be paid in dollars.
prepayment	Decimal	Current prepayment balance.
stemExposure	Decimal	Estimated STEM exposure.
nstemExposure	Decimal	Estimated Non-STEM exposure.
outstandingAmount	Decimal	The outstanding amount calculation.
creditSupport	Decimal	The amount of Credit Support (guarantee/bank undertaking or cash deposit) help by AEMO on behalf of the Market Participant in accordance with WEM Rules 2.38.
creditLimit	Decimal	The Market Participant's Credit Limit set in accordance with WEM Rule 2.37.
tradingLimit	Decimal	The prudential factor (0.87) multiplied by the Credit Support amount (clause of the WEM Rules 2.39.1).
tradingMargin	Decimal	Trading Limit minus Outstanding Amount.
calculatedAt	DateTime	The time the calculation was performed.
allocations	Collection	The Capacity Credit Allocations used to determine the outstandingAmount calculation.
• tradingMonth	Date	The Trading Month associated with the Capacity Credit Allocation.
• ccaMade	Decimal	The number of Capacity Credit Allocations made by the Market Participant for the Trading Month.

Field	Type	Description
• ccaRecieved	Decimal	The number of Capacity Credit Allocations received by the Market Participant for the Trading Month.
• netCca	Decimal	The result of ccaRecieved – ccaMade.
• rcPrice	Decimal	The monthly reserve capacity price for the Trading Month.

### Example Prudential Security Detail Response

```
{
  "prudentials":[
    {
      "asOfDate":"2017-10-01",
      "participantId":"ALINTA",
      "invoicedNotPaid":1.12,
      "prepayment":123.01,
      "stemExposure":123.12,
      "nstemExposure":22.11,
      "outstandingAmount":123.45,
      "creditSupport":111.11,
      "tradingLimit":114.22,
      "tradingMargin":-111.12,
      "calculatedAt":"2017-10-01T09:00:00+08:00",
      "allocations":[
        {
          "TradingMonth":"2017-07-01",
          "ccaMade":123.456,
          "ccaReceived":47.621,
          "netCca":111.233,
          "rcPrice":123.56
        },
        {
          "TradingMonth":"2017-10-01",
          "ccaMade":123.456,
          "ccaReceived":47.621,
          "netCca":111.233,
          "rcPrice":123.56
        },
        {
          "TradingMonth":"2017-11-01",
          "ccaMade":123.456,
          "ccaReceived":47.621,
          "netCca":111.233,
          "rcPrice":123.56
        }
      ]
    }
  ]
}
```



## 14.6 Settlement Reports

All Settlement reports are available via RESTful web services. Reports can be accessed using simple HTTP GET requests. All data returned that is not file content data is in JSON format.

URLs for accessing settlement files share a common base URL. The base URL is [https://\[hostname\]/mpi/ws/rest/v1/settlement](https://[hostname]/mpi/ws/rest/v1/settlement), where the hostname is:

- Market Trial: wems-mkt.aemo.com.au
- Production: wems.aemo.com.au

These reports are available as of the WEMS 3.12 release.

IRCR data for Trading Months after rule change RC\_2017\_06 becomes effective (1 June 2019 & WEMS 3.30), the PIR and IRCR\_LOG information is available in:

- MPI under Reserve Capacity > Reserve Capacity Mechanism > IRCR menu.
- IrcrRuns web services [API](#). Details of these reports are available through swagger URL: <https://wems.aemo.com.au/rcm/api/docs/>.

Please note that you do not need to be logged into the MPI while making the requests detailed in this section.

### Common Response Fields

The following fields are common to all responses detailed in Section 12.

Field	Type	Description
filename	String	The name of the file.
documentType	String	The type of settlement document. Can be one of "INVOICE", "STATEMENT", "PIR" or "IRCR_LOG".
participant	String	The unique code of the participant for which the document applies.
documentDate	String	The date of the document, in ISO9601 format (YYYY-MM-DD). For invoices, this is the date that the invoice is issued, for other documents, the date of the data contained within the document.
length	Number	The length of the document in bytes.
fileref	Object	A JSON object containing the location of the file contents.
id	String	The unique filename identifier for the link.
ref	String	The location at which the file content can be downloaded.
fileType	String	The structure of the file. Values can be CSV or XML..
created	String	The date and time that the file was created in the GMT+8 time zone, in ISO-9601 format (YYYY-MM-DDTHH:mm:ss.SSS).
tradeMonth	String	The Trading Month for which the document relates. This field is applicable for non-STEM markets and will be omitted for STEM related documents.

## Common Path Parameters

Many resources use parameters in the path of the URL denoted by enclosed square brackets (e.g. [market]). The meanings and formats of these path parameters are shown in the table below:

Parameter	Format	Description
market	Valid values include: CPD – Civil Penalty Distribution DSM – Demand Side Management IRCR – Individual Reserve Capacity Requirement NSTEM – Non Short Term Energy Market STEM – Short Term Energy Market	Queries documents for the specified market.
segment	Valid Values include: AS – Ancillary Services (NSTEM) BS – Balancing Settlement (NSTEM) CPD – Civil Penalty Distribution Settlement (CPD) DS – Default Settlement (DSM) MF – Market Fees (NSTEM) NSTEM-SA – NSTEM Settlement Adjustment (NSTEM) RC – Reserve Capacity (NSTEM), prior to Trading Month October 2017 RCM – Reserve Capacity (NSTEM) for Trading Month October 2017 onwards RS – Reconciliation Settlement (NSTEM) STM – STEM Settlement (STEM) STEM-SA – STEM Settlement Adjustment (STEM)	Queries documents for the specified market. Where both market and segment are required, the segment must be consistent with the market.
tradeMonth	YYYY-MM	Queries documents that fall within a Trading Month.
tradeWeek	YYYY-WW	Queries documents that fall within a Trading Week in accordance with Appendix A of the Settlement Cycle Timeline.

## Common Arguments

Many resources use query parameters as part of the resource URL. The meanings and formats of these query parameters are described in the table below.

Field	Type	Description	Example
from	Date YYYY-MM-DD	First trading date of report period (inclusive).	2014-02-15
to	Date YYYY-MM-DD	Last trading date of report period (inclusive).	2014-03-15

\*Please note that the maximum date range that can be requested is 60 days.

## 14.7 Invoices

Invoices represent the amount owed by AEMO to the Market Participant or owed by the Market Participant to AEMO for the relevant settlement run.

Invoices can be requested five different ways as described in the tables below. All options share the same arguments, fields and responses.

### ***Invoices by Invoice Date***

<b>Purpose</b>	Lists Invoices whose Invoice date is between the specified dates.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.16.1(a)i and 9.16.2(d)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/invoices
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/invoices?from=2014-05-01&to=2014-05-31

### ***Invoices by Market and Invoice Date***

<b>Purpose</b>	Lists Invoices for the specified market whose Invoice date is between the specified dates.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.16.1(a)i and 9.16.2(d)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/invoices/[market]
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/invoices/STEM?from=2014-05-01&to=2014-05-30

### ***STEM Invoices for a Trade Week***

<b>Purpose</b>	Lists Invoices for a Trading Week. This includes initial Invoices and adjustments.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.16.1(a)i
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/invoices/STEM/tradeweek/[tradeWeek]

<b>Arguments</b>	-
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/invoices/STEM/tradeweek/2014-25

### ***NSTEM Invoices for a Trade Month***

<b>Purpose</b>	Lists NSTEM Invoices for the specified Trade Month.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.16.2(d)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/invoices/NSTEM/trademonth/[tradeMonth]
<b>Arguments</b>	-
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/invoices/NSTEM/trademonth/2014-01

### ***Invoice by Invoice Number***

<b>Purpose</b>	Lists Invoices for the given Invoice number. Currently, there will be at most one item returned, however future enhancements may make Invoices available in multiple formats, such as PDF.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.16.1(a)i and 9.16.2(d)
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/invoices/[invoiceNumber]
<b>Arguments</b>	-
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/invoices/1234

### ***Response Fields***

Invoices have all the common fields (described in section 12 above) as well as additional fields which are shown below.

<b>Field</b>	<b>Type</b>	<b>Description</b>
invoiceNumber	String	The unique Invoice identifier.
creditNote	Boolean	Whether the Invoice is a remittance.
title	String	The title of the Invoice.
invoiceNumber	String	The unique identifier of the Invoice.
dueDate	String	The date on which the Invoice is payable.

Field	Type	Description
adjustment	Number	If the Invoice is an adjustment, then the adjustment number from 1 to 3. If the Invoice is not an adjustment, this field is omitted.
market	String	The market for which the Invoice is generated. Valid values include: CPD – Civil Penalty Distribution DSM – Demand Side Management IRCR – Individual Reserve Capacity Requirement NSTEM – Non Short Term Energy Market STEM – Short Term Energy Market
tradeWeek	String	If the Invoice is for the STEM market, then the STEM Trading Week in YYYY-WW format. If the Invoice is not a STEM Invoice then this field is omitted.

### STEM Invoice Response

```
{
  "filename": "INV_99999_PARTICIPANT_2014-04-28.xml",
  "documentType": "INVOICE",
  "participant": "PARTICIPANT",
  "documentDate": "2014-04-28",
  "length": 6802,
  "fileRef": {
    "id": "INV_99999_PARTICIPANT_2014-04-28.xml",
    "ref":
      "https://wems.aemo.com.au/mpi/ws/rest/v1/settlement/files/INV_99999_PARTICIPANT_2014-04-28.xml"
  },
  "fileType": "XML",
  "created": "2015-03-11T15:16:09.154",
  "market": "STEM",
  "tradeWeek": "2014-16",
  "title": "Final invoice for Week 16 2014",
  "creditNote": false,
  "invoiceNumber": "99999",
  "dueDate": "2014-04-30"
}
```

## NSTEM Invoice Response

```
{
  "filename": "INV_99998_PARTICIPANT_2014-04-17.xml",
  "documentType": "INVOICE",
  "participant": "PARTICIPANT",
  "documentDate": "2014-04-17",
  "length": 58822,
  "fileRef": {
    "id": "INV_99998_PARTICIPANT_2014-04-17.xml",
    "ref":
      "https://wems.aemo.com.au/mpi/ws/rest/v1/settlement/files/INV_99998_PARTICIPANT_2014-04-17.xml"
  },
  "fileType": "XML",
  "created": "2015-03-11T15:16:09.107",
  "market": "NSTEM",
  "tradeMonth": "2013-07",
  "adjustment": 2,
  "title": "Final invoice for Jul 2013",
  "creditNote": false,
  "invoiceNumber": "99998",
  "dueDate": "2014-04-23"
}
```

## Report Fields: Header

Field	Type	Description
Id	String	Invoice ID.
reverseld	String	Invoice reversal ID, if applicable.
[party] id	String	Participant name.
[party] name	String	Business name of participant.
[party] addressLine1	String	Postal address line 1.
[party] addressLine2	String	Postal address line 2.
[party] abn	String	Australian Business Number.
invoiceDate	Date	Date of Invoice.
dueDate	Date	Date which payment is required to be settled.
Market	String	Defines the market which the invoice relates to.
tradeMonth	Date	The Trading Month being settled, if applicable.
tradeWeek	Date	The Trading Week being settled, if applicable.
Adjustment	Number	Identifies the adjustment run if applicable.

Field	Type	Description
Title	String	Title of Invoice.

### **Report Fields: Payment Summary**

Field	Type	Description
[lineItems] description	String	Describes the billing line item.
[lineItems] amount	Number	The amount applicable for the billing line item.
[lineItems] gstApplicable	Boolean	Identifies if GST is applicable to the billing line item.
total	Number	Total amount of all billing line items.
prepaymentAmount	Number	Prepayment amount applied to the invoice.
[prepaymentBalance] balance	Number	Prepayment balance (leftover prepayment plus new prepayment).
[prepaymentBalance] asAt	Date	Effective date of prepayment balance.
payableAmount	Number	Amount required to be settled. Total less prepayment balance.
Messages	String	Additional information relating to invoice.
settlementRequired	Boolean	Identifies if settlement is required on the invoice.

### **Report Fields: Recipient Created Tax Invoice and Tax Invoice**

Field	Type	Description
Id	String	Receipt Created Tax Invoice or Tax Invoice ID.
[gstApplicable] description	String	Describes the line item which GST is applicable.
[gstApplicable] amount	Number	The amount applicable for the GST line item. This amount is ex-GST.
[gstFree] description	String	Describes the line item which is GST free.
[gstFree] amount	Number	The amount applicable for the GST free line item. This amount is ex-GST.
[total] gstExclusive	Number	Total ex-GST amount.
[total] gst	Number	Total amount of GST.
[total] gstInclusive	Number	Ex-GST total plus total amount of GST.

### **Report Fields: Recipient Created Tax Invoice Adjustment**

Field	Type	Description
[gstApplicable/gstExclusive] previous	Number	The ex-GST amount applicable in the previous RCTI.
[gstApplicable/gstExclusive] current	Number	The ex-GST amount applicable in the current RCTI.

Field	Type	Description
[gstApplicable/gstExclusive] adjustment	Number	The difference between ex-GST amount in the current RCTI and previous RCTI.
[gstApplicable/gst] previous	Number	The GST amount applicable in the previous RCTI.
[gstApplicable/gst] current	Number	The GST amount applicable in the current RCTI.
[gstApplicable/gst] adjustment	Number	The difference between GST amount in the current RCTI and previous RCTI.
[gstApplicable/gstInclusive] previous	Number	Ex-GST total plus total amount of GST of previous RCTI.
[gstApplicable/gstInclusive] current	Number	Ex-GST total plus total amount of GST of current RCTI.
[gstApplicable/gstInclusive] adjustment	Number	Difference between GST current and GST previous totals.
[gstFree] previous	Number	The GST free amount applicable in the previous RCTI.
[gstFree] current	Number	The GST free amount applicable in the current RCTI.
[gstFree] adjustment	Number	The difference between GST free amount in the current RCTI and previous RCTI.

### Report Fields: Adjustment Tax Invoice

Field	Type	Description
[gstApplicable/gstExclusive] previous	Number	The ex-GST amount applicable in the previous Invoice.
[gstApplicable/gstExclusive] current	Number	The ex-GST amount applicable in the current Invoice.
[gstApplicable/gstExclusive] adjustment	Number	The difference between ex-GST amount in the current invoice and previous Invoice.
[gstApplicable/gst] previous	Number	The GST amount applicable in the previous Invoice.
[gstApplicable/gst] current	Number	The GST amount applicable in the current Invoice.
[gstApplicable/gst] adjustment	Number	The difference between GST amount in the current Invoice and previous invoice.
[gstApplicable/gstInclusive] previous	Number	Ex-GST total plus total amount of GST of previous Invoice.
[gstApplicable/gstInclusive] current	Number	Ex-GST total plus total amount of GST of current Invoice.
[gstApplicable/gstInclusive] adjustment	Number	Difference between GST current and GST previous totals (inclusive of GST).
[gstFree] previous	Number	The GST free amount applicable in the previous Invoice.
[gstFree] current	Number	The GST free amount applicable in the current Invoice.



Field	Type	Description
[gstFree] adjustment	Number	The difference between GST free amount in the current invoice and previous Invoice.

## 14.8 Statements

Statements detail the daily transactions which are relevant to the settlement run.

Statements can be requested six different ways described in the tables below using the common arguments. All options share the same fields and responses.

### **Statements by Created Date**

<b>Purpose</b>	Lists statements where the creation date is between the specified dates. The creation date is not necessarily the same date of the data (i.e. the Trading Day).
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/created
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/created?from=2014-02-01&to=2014-02-28

### **Statements by Trade Date**

<b>Purpose</b>	Lists statements where the trade date is between the given dates. The Trading Day is not necessary the same as the statement creation date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/tradeDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/tradeDate?from=2014-02-01&to=2014-02-28

### Statements by Published Date

<b>Purpose</b>	Lists statements where the published date is between the specified dates. The published date is not necessarily the same date as the Trading Day.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/publishedDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/publishedDate?from=2014-02-01&to=2014-02-28

### Statements by Market and Created Date

<b>Purpose</b>	Lists statements for the given market where the creation date is between the specified dates. The creation date is not necessarily the same date of the data (i.e. the Trading Day).
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/created
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/STEM/created?from=2014-02-01&to=2014-02-28

### Statements by Market and Trade Date

<b>Purpose</b>	Lists statements for the given market where the trade date is between the given dates. The Trading Day is not necessary the same as the statement creation date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/tradeDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/STEM/tradeDate?from=2014-02-01&to=2014-02-28

### Statements by Market and Published Date

<b>Purpose</b>	Lists statements for the given market where the published date is between the specified dates. The published date is not necessarily the same date as the Trading Day.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/publishedDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/STEM/publishedDate?from=2014-02-01&to=2014-02-28

### Statements by Segment and Created Date

<b>Purpose</b>	Lists statements for the given market and segment where the creation date of the statement is between the specified dates. The creation date is not necessarily the same date of the data (i.e. the Trading Day).
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/[segment]/created
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/NSTEM/BS/created?from=2014-02-01&to=2014-02-28

### Statements by Segment and Trade Date

<b>Purpose</b>	Lists statements for the given market and segment where the trade date is between the given dates. The Trading Day is not necessary the same as the statement creation date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/[segment]/tradeDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/STEM/STM/tradeDate?from=2014-02-01&to=2014-02-28

## Statements by Segment and Published Date

<b>Purpose</b>	Lists statements for the given market and segment where the published date of the statement is between the specified dates. The published date is not necessarily the same date as the Trading Day.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/statements/[market]/[segment]/publishedDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/statements/NSTEM/BS/publishedDate?from=2014-02-01&to=2014-02-28

## Response Fields

Statements have all the common fields (described in section 12 above) as well as additional fields which are shown below.

Field	Type	Description
tradeWeek	String	For STEM statements, this field contains the STEM trade week in YYYY-WW format. If the statement is not a STEM statement, then this field is omitted.
market	String	The statement's market. Valid values include: CPD – Civil Penalty Distribution DSM – Demand Side Management IRCR – Individual Reserve Capacity Requirement NSTEM – Non Short Term Energy Market STEM – Short Term Energy Market
segment	String	The statement's segment. Valid Values include: AS – Ancillary Services (NSTEM) BS – Balancing Settlement (NSTEM) CPD – Civil Penalty Distribution Settlement (CPD) DS – Default Settlement (DSM) MF – Market Fees (NSTEM) NSTEM-SA – NSTEM Settlement Adjustment (NSTEM) RC – Reserve Capacity (NSTEM), prior to Trading Month October 2017 RCM – Reserve Capacity (NSTEM) for Trading Month October 2017 onwards RS – Reconciliation Settlement (NSTEM) STM – STEM Settlement (STEM) STEM-SA – STEM Settlement Adjustment (STEM)
adjustment	Number	For NSTEM statements, the adjustment number between 1 and 3 of this segment. If the market is not NSTEM or the statement is an initial statement, then this field is omitted.

## STEM Statement Response

```
{
  "filename": "STM_F_PARTICIPANT_2014-02-02.csv",
  "documentType": "STATEMENT",
  "participant": "PARTICIPANT",
  "documentDate": "2014-02-02",
  "length": 3595,
  "fileRef": {
    "id": "STM_F_PARTICIPANT_2014-02-02.csv",
    "ref":
      "https://wems.aemo.com.au/mpi/ws/rest/v1/settlement/files/STM_F_PARTICIPANT_2014-02-02.csv"
  },
  "fileType": "CSV",
  "created": "2015-03-11T15:25:44.389",
  "market": "STEM",
  "segment": "STM",
  "tradeWeek": "2014-5"
}
```

## NSTEM Statement Response

```
{
  "filename": "BS_F_PARTICIPANT_2014-05-01(1).csv",
  "documentType": "STATEMENT",
  "participant": "PARTICIPANT",
  "documentDate": "2014-05-01",
  "length": 3536,
  "fileRef": {
    "id": "BS_F_PARTICIPANT_2014-05-01(1).csv",
    "ref":
      "https://wems.aemo.com.au/mpi/ws/rest/v1/settlement/files/BS_F_PARTICIPANT_2014-05-01(1).csv"
  },
  "fileType": "CSV",
  "created": "2015-03-11T15:25:50.108",
  "market": "NSTEM",
  "segment": "BS",
  "tradeMonth": "2014-05",
  "adjustment": 2
}
```

## Report Fields: Header

Field	Type	Description
Record Type	String	Indicates the type of record.
File_Version	String	The version number that defines the file layout.

Field	Type	Description
Entity	String	The settlement entity.
Timestamp	Date	Date and time the file was created.
File No	Decimal	Sequence number unique to each settlement statement file.
Participant	String	The name of the Participant.
Statement No	Decimal	Unique settlement statement number.
Type	String	Indicates the type of import data the statement is based on. Statements are always use final (F).
Market	String	Market type which statement relates to.
Segment	String	Segment or product group abbreviation that uniquely identifies the segment.
Job ID	Decimal	Settlement job ID that identifies the group of statements created in a calculation.
Job_Version	Decimal	Version of run or calculation job. Every time a segment and settlement day is calculated the version increases with one.
Timestamp	Date	Date and time the settlement job was created.
Settlement Day	Date	The settlement day for the job.

### Report Fields: Summary

Field	Type	Description
Record Type	String	Indicates the type of record.
Product	String	Unique product identifier For Combined product;  For positive sum add P, for negative sum add C at the end of the product name
Product Description	String	Product code description.
Delivery Day	Date	Date the energy was delivered and consumed.
Pay/Charge	String	Indicates whether transaction is a payment (P) or charge (C).
Total Quantity	Decimal	Sum of all the billable quantity records for all the hours for the given product ID.
Unit	String	Type of quantity unit. e.g. MWh, EA.
Total Amount	Decimal	Sum of all the amount records for all the hours for the given product ID.
Currency	String	The currency that the amount is in.

## Report Fields: Detail

Detail Field	Type	Description
Record Type	String	Indicates the type of record.
Product	String	Product unique identifier (short name) For Combined product;  For positive sum add P, for negative sum add C at the end of the product name.
Order	Decimal	Order unique identifier (number).
Pay/Charge	String	Indicates whether transaction is a payment (P) or charge (C).
Operation date	Date	The date energy is delivered and consumed.
Hour	Date	Operation hour ending.
Min	Date	Operation min starting.
Resolution	Decimal	Time resolution will give information of length of the interval. 20 1-minute 21 2-minute 22 3-minute 23 4-minute 24 5-minute 25 6-minute 26 10-minute 27 12-minute 28 15-minute 29 20-minute 30 30-minute 31 Hour 32 Day 33 Week 34 Month  40 Undefined
PDA	String	Indicates if this is a Prior Day Adjustment. <ul style="list-style-type: none"><li>• Default is null and represents no PDA</li><li>• A indicates that it is a PDA.</li></ul> The operation date should then be a previous day from settlement day.
Comments	String	Comments.
Resource	String	The name of the facility.
Location	String	The unique identifier for the location of the resource. Field is null when the settlement line is for a non-resource or if resource is not associated with Intermittent Load.
Quantity	Decimal	Billable quantity for the given interval.
Unit	String	Type of quantity unit. e.g. MWh, EA.
Amount	Decimal	Billable amount.

Detail Field	Type	Description
Currency	String	The currency that the amount is in.

### Report Fields: Trailer

Trailer Field	Type	Description
Record Type	String	Indicates the type of record.
Record Count	Decimal	Number of records contained in the file including the header and trailer records.

## 14.9 Participant Information Report (PIR)

PIRs contain the information and settlement input variables which enable Rule Participants to validate the settlement data relevant to that settlement run.

PIRs can be requested four different ways described in the tables below using the common arguments. All options share the same fields and responses.

IRCR data for Trading Months after rule change RC\_2017\_06 becomes effective (1 June 2019 & WEMS 3.30), the PIR and IRCR\_LOG information is available in:

- MPI under Reserve Capacity > Reserve Capacity Mechanism > IRCR menu.
- IrcrRuns web services [API](https://wems.aemo.com.au/rcm/api/docs/). Details of these reports are available through swagger URL: <https://wems.aemo.com.au/rcm/api/docs/>.

### PIRs by Created Date

<b>Purpose</b>	Lists PIRs where the creation date is between the specified dates. The creation date is not necessarily the same date of the data (i.e. the Trading Day).
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/created
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/created?from=2014-08-01&to=2014-08-31

### PIRs by Trade Date

<b>Purpose</b>	Lists PIRs where the trade date is between the given dates. The Trading Day is not necessary the same as the statement creation date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18



<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/tradeDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/tradeDate?from=2014-09-01&to=2014-09-30

### ***PIRs by Published Date***

<b>Purpose</b>	Lists PIRs where the published date is between the specified dates. The published date is not necessarily the same date of the the trade date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/publishedDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/publishedDate?from=2014-08-01&to=2014-08-31

### ***PIRs by Market and Created Date***

<b>Purpose</b>	Lists PIRs for the specified market where the creation date is between the specified dates. The creation date is not necessarily the same date of the data (i.e. the trade date).
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/[market]/created
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/STEM/created?from=2014-08-01&to=2014-08-31

### ***PIRs by Market and Trade Date***

<b>Purpose</b>	Lists PIRs for the given market where the trade date is between the given dates. The trade date is not necessary the same as the statement creation date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18

<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/[market]/tradeDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/STEM/tradeDate?from=2014-09-01&to=2014-09-30

### ***PIRs by Market and Published Date***

<b>Purpose</b>	Lists PIRs for the specified market where the published date is between the specified dates. The published date is not necessarily the same date of the trade date.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	9.17 and 9.18
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/pirs/[market]/publishedDate
<b>Arguments</b>	from, to
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/pirs/STEM/publishedDate?from=2014-08-01&to=2014-08-31

### ***Response Fields***

Invoices have all the common fields (described in section 12 above) as well as additional fields which are shown below.

<b>Field</b>	<b>Type</b>	<b>Description</b>
adjustment	Number	If the PIR is an adjustment, then the adjustment number from 1 to 3. If the Invoice is not an adjustment, this field is omitted.
market	String	The market for which the PIR applies. Valid values include: CPD – Civil Penalty Distribution DSM – Demand Side Management IRCR – Individual Reserve Capacity Requirement NSTEM – Non Short Term Energy Market STEM – Short Term Energy Market
tradeWeek	String	If the PIR is for the STEM market, then the STEM trade week in YYYY-WW format. If the PIR's market is not STEM then this field is omitted.

## STEM PIR Response

```
{
  "filename": "STEM_PIR_PARTICIPANT_F_2014-03-02.csv",
  "documentType": "PIR",
  "participant": "PARTICIPANT",
  "documentDate": "2014-03-02",
  "length": 3048,
  "fileRef": {
    "id": "STEM_PIR_PARTICIPANT_F_2014-03-02.csv",
    "ref": "https://wems.aemo.com.au/ws/rest/v1/settlement/files/STEM_PIR_PARTICIPANT_F_2014-03-02.csv"
  },
  "fileType": "CSV",
  "created": "2015-03-11T15:17:57.202",
  "market": "STEM",
  "tradeWeek": "2014-9"
}
```

## NSTEM PIR Response

```
{
  "filename": "NSTEM_PIR_PARTICIPANT_F_2014-03-02.csv",
  "documentType": "PIR",
  "participant": "PARTICIPANT",
  "documentDate": "2014-03-02",
  "length": 168084,
  "fileRef": {
    "id": "NSTEM_PIR_PARTICIPANT_F_2014-03-02.csv",
    "ref": "https://wems.aemo.com.au/ws/rest/v1/settlement/files/NSTEM_PIR_PARTICIPANT_F_2014-03-02.csv"
  },
  "fileType": "CSV",
  "created": "2015-03-11T15:17:57.187",
  "market": "NSTEM",
  "tradeMonth": "2014-03",
  "adjustment": 3
}
```

## Report Fields: Header

Field	Type	Description
Record Type	String	Indicates the type of record.
File_Version	String	The version number that defines the file layout.
Entity	String	The settlement entity.

Field	Type	Description
Timestamp	Date	Date and time the file was created.
File No	Decimal	Sequence number unique to each PIR file.
Participant	String	The name of the Participant.
Type	String	Indicates the type of import data the statement is based on. It indicates whether the report is based on preliminary (P) or final (F) jobs.
Settlement Day	Date	The settlement day for the job.

### Report Fields: Source

Field	Type	Description
Record Type	String	Indicates the type of record.
Market	String	Market type.
Segment	String	Segment or product group.
Job ID	Decimal	Settlement job No that identified the group of statement created in a calculation.
Job_Version	Decimal	Version of run or calculation job. Every time a segment and settlement day is calculated the version increases with one.
Type	String	Indicates the type of import data the statement is based on. It indicates whether the report is based on preliminary (P) or final (F) jobs.
Timestamp	Date	Date and time the settlement job was created. Military time.

### Report Fields: Detail

Detail Field	Type	Description
Record Type	String	Indicates the type of record.
Delivery Day	Date	Date the energy was delivered and consumed.
Delivery Hour	Decimal	Hour the energy was delivered and consumed. If an hour does not have any values there will be no record for this hour.

Detail Field	Type	Description
Resolution	Decimal	Time resolution will give information of length of the interval. 20 1-minute 21 2-minute 22 3-minute 23 4-minute 24 5-minute 25 6-minute 26 10-minute 27 12-minute 28 15-minute 29 20-minute 30 30-minute 31 Hour 32 Day 33 Week 34 Month 40 Undefined
Variable type	String	The short name of the variable type code that is reported.
Variable name	String	A unique identifier of the values.
Resource	String	The unique identifier for the participant's facility. This would be null (blank) when the variable type is for a non-resource.
Location	String	The unique identifier for the location zone or hub. This would be null (blank) when the variable type is for a non-resource/facility.  Populated with associated Intermittent Load identifier, if applicable, otherwise null in AEMO PIR
Contract	String	The unique identifier for the contract or trade. This would be null (blank) when the variable type is for a non-contract.
Unit	String	Unit for the variable type. E.g. MWh, EA, won, won/MWh.
Value1...Value(x)	Decimal	Variable value for the first interval for the hour in field 3. Minus sign is used if needed.  All values shown with decimals as imported into the system.

### Report Fields: Trailer

Trailer Field	Type	Description
Record Type	String	Indicates the type of record.
Record Count	Decimal	Number of records contained in the file including the header and trailer records.

## 14.10 IRCR Logs by Trade Month

IRCR logs details the IRCR contribution by NMI.

IRCR data for Trading Months after rule change RC\_2017\_06 is in effect (1 June 2019), the IRCR Logs information will be available in:

- MPI under Reserve Capacity > Reserve Capacity Mechanism > IRCR menu.
- IrcrRuns web services [API](https://wems.aemo.com.au/rcm/api/docs/). Details of these reports are available through swagger URL: <https://wems.aemo.com.au/rcm/api/docs/>.

<b>Purpose</b>	IRCR logs for the given Trading Month.
<b>Timing</b>	In accordance with the Settlement Cycle Timeline available from the AEMO website
<b>WEM Rule</b>	N/A
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Settlements   Portal
<b>URL</b>	/mpi/ws/rest/v1/settlement/ircrLogs/[tradeMonth]
<b>Arguments</b>	-
<b>Example URL</b>	/mpi/ws/rest/v1/settlement/ircrLogs/2014-07

### Arguments

None

### Response Fields

IRCR logs contains only common fields as described in Section 12 and do not contain any additional fields.

### IRCR Response

{
"filename": "RCR_PARTICIPANT_2014-07-31(999999).csv",
"documentType": "IRCR_LOG",
"participant": "PARTICIPANT",
"documentDate": "2014-07-31",
"length": 423,
"fileRef": {
"id": "RCR_PARTICIPANT_2014-07-31(999999).csv",
"ref": "
https://wems.aemo.com.au/ws/rest/v1/settlement/files/RCR_PARTICIPANT_2014-07-
31(999999).csv"
},
"fileType": "CSV",
"created": "2015-03-11T15:16:12.592",
"tradeMonth": "2014-07"
}

### Report Fields: Header

Field	Type	Description
Record Type	String	Indicates the type of record.
Version	String	The version number that defines the file layout.
Participant	String	The name of the Participant.
Report Timestamp	Date	Date and time the file was created.
IRCR Timestamp	Date	Time when IRCR calculation was run.
Run ID	Decimal	Unique identifier of the IRCR calculation run.
Capacity year	Decimal	Capacity year.
Trade month	Decimal	Month the IRCR is run for.

### Report Fields: Detail

Detail Field	Type	Description
Record Type	String	Indicates the type of record.
NMI	String	Unique identifier for the meterpoint. <ul style="list-style-type: none"><li>- The Notional Wholesale Meter will be displayed as 'Notional'</li><li>- Intermittent Loads will be displayed their Facility shortname</li></ul>
Median MWh	Decimal	Median MWh for the meterpoint.
Fraction of month	Decimal	The fraction of month the meter is owned by participant between 0 and 1.
TDL flag	Decimal	Temperature dependent flag (1 for temperature dependent resources).
New meter flag	Decimal	Flag is 1 if this is a new meter.

### Report Fields: Trailer

Trailer Field	Type	Description
Record Type	String	Indicates the type of record.
Record Count	Decimal	Number of records contained in the file including the header and trailer records.

## 14.11 File Content

<b>Description</b>	Retrieves the contents of a file given its filename. The filename can be obtained from other queries.
<b>URL</b>	/mpi/ws/rest/v1/settlement/files/[filename]
<b>Arguments</b>	-
<b>Example</b>	/mpi/ws/rest/v1/settlement/files/INV_9999_PARTICIPANT_2015-02-09.xml
<b>Response</b>	The response contains the contents of the file in the body. The header will contain a Content-Type header appropriate to the file type (e.g. XML, CSV, PDF or JSON)

## 14.12 Capacity Credit Final Allocation

<b>Purpose</b>	This report details a Market Participants Capacity Credit allocation and IRCR.
<b>Timing</b>	Monthly, in accordance with the Settlement Cycle Timeline available on the AEMO website ( <a href="http://wa.aemo.com.au/home/electricity/market-participants/settlement-information">http://wa.aemo.com.au/home/electricity/market-participants/settlement-information</a> ).
<b>WEM Rule</b>	9.16.2(b)v
<b>Confidentiality</b>	Rule Participant Market Restricted.
<b>MPI</b>	Reports   View   RCM_CCFinalAllocation
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getFinalCapCreditAllocReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of months	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to the 2017 Capacity Year and onwards, please refer to <https://wems.aemo.com.au/rcm/api/docs/>.

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).



Field	Type	Constraints	Description
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Month	Date	The Trading Month.
Participant Name	String	The unique code which identifies the Market Participant.
Total IRCR (MW)	Decimal	Individual Reserve Capacity Requirement in MW.
Supplier	String	Unique code used by AEMO and System Management to identify the supplier of capacity credits to meet IRCR requirement.
Capacity Credit Type	String	Capacity Credit Type
Auction Year	Date	Year 1 of the relevant Capacity year. Typically two years prior to the capacity year which the Trading Month falls in.
Capacity Credits (MW)	Decimal	The number of Capacity Credits allocated in MW.

## 14.13 Capacity Credit Final Supplier Allocation

<b>Purpose</b>	This report details how many Capacity Credits a Market Participant has allocated to a particular consumer.
<b>Timing</b>	Monthly, in accordance with the Settlement Cycle Timeline available on the AEMO website ( <a href="http://wa.aemo.com.au/home/electricity/market-participants/settlement-information">http://wa.aemo.com.au/home/electricity/market-participants/settlement-information</a> ).
<b>WEM Rule</b>	9.16.2(b)v
<b>Confidentiality</b>	Rule Participant Market Restricted.
<b>MPI</b>	Reports   View   RCM_CCFinalAllocationSup
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mpi/ws/reports/v7.1?wsdl</a> getFinalCapCreditAllocSupReportRequest

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of months	1	1	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to the 2017 Capacity Year and onwards, please refer to <https://wems.aemo.com.au/rcm/api/docs/>.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Month	Date	The Trading Month.
Capacity Year	Date	Year 1 of the relevant Capacity year. Typically two years prior to the capacity year which the Trading Month falls in.
Supplier Name	String	Unique code used by AEMO and System Management to identify the supplier of Capacity Credits.
Consumer Name	String	Unique code used by AEMO and System Management to identify the consumer of Capacity Credits.
Credits Allocated	Decimal	The number of Capacity Credits allocated in MW.

## 14.14 Capacity Credit Initial Allocation

Purpose	This report details a Market Participants initial Capacity Credit allocation and IRCR.
Timing	Monthly, in accordance with the Settlement Cycle Timeline available on the AEMO website ( <a href="http://wa.aemo.com.au/home/electricity/market-participants/settlement-information">http://wa.aemo.com.au/home/electricity/market-participants/settlement-information</a> ).
WEM Rule	9.16.2(b)iii
Confidentiality	Rule Participant Market Restricted
MPI	Reports   View   RCM_CCInitialAllocation
Web Service	<a href="https://wems.aemo.com.au/mps/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mps/ws/reports/v7.1?wsdl</a> <code>getInitCapCreditAllocReportRequest</code>

## Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of months	12	12	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to the 2017 Capacity Year and onwards, please refer to <https://wems.aemo.com.au/rcm/api/docs/>.

## Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).

## Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Month	Date	The Trading Month.
Participant Name	String	The unique code which identifies the Market Participant.
Total IRCR (MW)	Decimal	Individual Reserve Capacity Requirement in MW.
Supplier	String	Unique code used by AEMO and System Management to identify the supplier of capacity credits to meet IRCR requirement.
Capacity Credit Type	String	Capacity Credit Type
Auction Year	Date	Year 1 of the relevant Capacity year. Typically two years prior to the capacity year which the Trading Month falls in.
Capacity Credits (MW)	Decimal	The number of Capacity Credits allocated in MW.
Message	String	General comments.

## 14.15 Capacity Credit Initial Supplier Allocation

<b>Purpose</b>	This report details how many Capacity Credits a Market Participant has initially allocated to a particular consumer.
<b>Timing</b>	Monthly, in accordance with the Settlement Cycle Timeline available on the AEMO website ( <a href="http://wa.aemo.com.au/home/electricity/market-participants/settlement-information">http://wa.aemo.com.au/home/electricity/market-participants/settlement-information</a> ).
<b>WEM Rule</b>	9.16.2(b)iii
<b>Confidentiality</b>	Rule Participant Market Restricted
<b>MPI</b>	Reports   View   RCM_CCInitialAllocationSup
<b>Web Service</b>	<a href="https://wems.aemo.com.au/mps/ws/reports/v7.1?wsdl">https://wems.aemo.com.au/mps/ws/reports/v7.1?wsdl</a> getInitCapCreditAllocSupReportRequest

### Limitations

The following limitations apply when using this report.

Parameters	MPI (View)	MPI (Download)	Web Service
Maximum number of Months	12	12	30
Earliest available data	21/09/2006	21/09/2006	21/09/2006
Latest available data	30/09/2017	30/09/2017	30/09/2017

For data relating to the 2017 Capacity Year and onwards, please refer to <https://wems.aemo.com.au/rcm/api/docs/>.

### Arguments

The following arguments must be supplied when requesting this report, except where specified.

Field	Type	Constraints	Description
Start Month	Date		First month of report period (inclusive).
Start Year	Date		First year of report period (inclusive).
End Month	Date		End month of report period (inclusive).
End Year	Date		End year of report period (inclusive).

### Fields

The following fields are available in each row of the report.

Field	Type	Description
Trading Month	Date	The Trading Month.

Field	Type	Description
Capacity Year	Date	Year 1 of the relevant Capacity year. Typically two years prior to the capacity year which the Trading Month falls in.
Supplier Name	String	Unique code used by AEMO and System Management to identify the supplier of Capacity Credits.
Consumer Name	String	Unique code used by AEMO and System Management to identify the consumer of Capacity Credits.
Credits Allocated	Number	The number of Capacity Credits allocated in MW.