

Additional NMAS Payment Recovery Reconciliation File

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Current version release details

Version	Effective date	Summary of changes
	<u>02 June 2024</u>	Update to reflect National Electricity Amendment (Integrating energy storage systems into the NEM) Rule 2021 No.13 and National Electricity Amendment (Implementing integrated energy storage systems) Rule 2023 No.2 IESS rule change and
<u>x.x3</u>		nNew AEMO format

Note: There is a full version history at the end of this document.

Additional NMAS Payment Recovery Reconciliation File



1. Introduction

1.1. Purpose and scope

Recovery amounts relating to NMAS test payments are not included in the -settlements data per trading interval published by AEMO, but they are included in the weekly billing data. In order to reconcile settlements and billing amounts for NMAS recovery, it is necessary to take any NMAS test payments into account.

To assist participants in reconciling these additional recovery amounts in billing, an NMAS reconciliation file is created for each billing week in which additional recovery amounts are included. The reconciliation file is available from the AEMO website, Settlements Direct, and the Participant File Share.

This document outlines the contents of the NMAS reconciliation file, and how it can be used to reconcile a participant's NMAS recovery amounts.

1.2. Related documents

Title/Reference	Description/Location
Settlements Guide to Ancillary Services Payment and Recovery	https://aemo.com.au/- /media/files/electricity/nem/data/ancillary_services/2023/settlements-guide- to-ancillary-services-payment-and-recovery.pdf?la=en

2. Reconciliation of additional NMAS recovery amounts

If an additional NMAS recovery amount is applied in a given billing week, the additional recovery amount payable by a <u>Cost Recovery Market pP</u>articipant (CRMP) perin respect of the <u>relevant -region and trading interval and region</u> in that week will be:

Participant Recovery Amount = Total Payment Amount × (Customer Portion ×

 $\frac{Participant Customer Energy}{Total Customer Energy} + Total Payment Amount \times (Generator Portion \times Participant Generator Energy)$

Total Generator Energy

Participant CRMP Rrecovery Aamount (ACE) =
$$\left(\frac{SRP \times RBF}{2}\right) \times \left(\frac{TCE}{RATCE}\right)$$

Participant-CRMP R*ecovery Aamount (SOE) =
$$\left(\frac{SRP \times RBF}{2}\right) \times \left(\frac{TSOE}{RATSOE}\right)$$

where:



<i>Participant Recovery</i> <i>Amount <u>ACE/ASOE(</u>in \$)</i>	=	Additional recovery amount payable by the participant.
<u>SRP</u>	Ξ	<u>Tthe amount payable by AEMO in respect of the trading interval under an</u> individual ancillary services agreement in respect of the provision of a specific SRAS.
RBF	Ξ	Tthe latest regional benefit factor assigned to the provision of the relevant SRAS under the ancillary services agreement in respect of the relevant region and trading interval.
ACE	Ξ	Tthe sum of the adjusted consumed energy amount (ACE), for all connection points of the Cost Recovery Market ParticipantCRPM-located in the region of the CRMP. , of the adjusted consumed energy amount (ACE) for the connection point for the trading interval.
RATCE	Ξ	<u>Tthe sum of the ACE, for all connection points located in the region of all</u> <u>CRMPs, of the adjusted consumed energy amount for the connection point</u> for the trading interval.
TSOE	Ξ	Tthe sum of the adjusted sent out energy amount (ASOE), for all connection points of the Cost Recovery Market Participant located in the region of the CRMP, of the adjusted sent out energy amount for the connection point for the trading interval.
RATSOE	Ξ	Tthe sum, for all connection points located in the region, of the adjusted sent out energy amountASOE, for theall connection points for the trading interval of all CRMPs.
Total Payment Amount (in \$)	=	The additional amount being recovered from the NEM for that service in the billing week.
Customer Portion (%)	=	The percentage of the additional recovery amount that is recovered from Market Customers for this service.
Participant Customer Energy (in MWh)	=	The customer energy for the participant for the period from the Recovery start date to the Recovery end date (inclusive). It is important to source the correct version of energy data. See Section 3 for details.
Total Customer Energy (in MWh)	=	The total customer energy for all Market Customers for the period from the Recovery start date to the Recovery end date (inclusive). It is important to source the correct version of energy data. See Section 3 for details.
Generator Portion (%)	=	The percentage of the additional recovery amount that is recovered from Market Generators for this service.
Participant Generator Energy (in MWh)	=	The generator energy (the net of the generator energy purchased and generator energy sold) for the participant for the period from the Recovery start date to the Recovery end date (inclusive). It is important to source the correct version of energy data. See Section 3 for details.
Total Generator Energy (in MWh)	=	The total generator energy for all Market Generators for the period from the Recovery start date to the Recovery end date (inclusive). It is important to source the correct version of energy data. See Section 3 for details.

3. Recovery amount lock down

As outlined above, customer and generator energy are inputs into the calculation of NMAS test payment recovery amounts. NMAS test payment recovery amounts are 'locked down' when the Final statements are posted for a billing week containing an NMAS Test Payment.

Therefore, when sourcing participant customer and generator energy data for use in a reconciliation calculation, the version of data used in the NMAS test payment recovery calculation represents the most recently posted data at the time that the recovery amounts were processed, up until final statements are posted. For statements posted after that time, the



energy data from the final statement is used.

Reconciliation files contain tracking data outlining the version of Participant data to be used in the reconciliation calculation.

All of the values required to calculate the participant recovery amount, except the Participant Customer Energy and Participant Generator Energy, are available from the NMAS reconciliation file.

4. NMAS reconciliation file format

The NMAS reconciliation file is a csv file containing the information outlined in Table 1 below.

Table 1	NMAS	Reconciliation	File	Contents
	111111	Ne concination		0011101110

Field Name	Description
<u>SETTLEMENTDATESERVICE</u>	Settlement DateThe NMAS service to which the additional recovery amount has been applied. This will be one of: - RESTART (System Restart) - REACTIVE (Reactive Power) • LOADSHED (Load Shed)
VERSIONNOPAYMENT_AMOUNT	Settlement run numberThe total additional amount being recovered from the NEM for the above service.
PERIODIDPAYMENT_CONTRACTYEAR	Settlements Trading Interval. The year and billing week to which
PARTICIPANTIDPAYMENT_WEEKNO	the additional recovery amount is applied. The Participant from whom the amount is recovered
SERVICERECOVERY_STARTDATE	The type of NSCAS service. Current value values are: REACTIVE, LOADSHED, RESTARTDefine the date range over
CONTRACTIDRECOVERY_ENDDATE	which the recovery applies (i.e. the customer and generator energy over this date range will be considered in the calculation of recovery amounts). The NMAS Contract Id
PAYMENTTYPECUSTOMER_PORTION	The type of payment being recovered. Valid values are: AVAILABILITY, ENABLEMENT, COMPENSATIONThe percentage of the additional recovery amount that is recovered from Market Customers for this service
REGIONIDCUSTOMER_ENERGY	The region from where the amount is recovered The total customer energy for all Market Customers for the period from the Recovery start date to the Recovery end date (inclusive).
RBEGENERATOR_PORTION	The Benefitting Factor for the RegionIdThe percentage of the additional recovery amount that is recovered from Market Generators for this service
PAYMENT_AMOUNTGENERATOR_ENERGY	The total Payment Amount to recover from all benefitting regions The total generator energy for all Market Generators for the period from the Recovery start date to the Recovery end date (inclusive).
PARTICIPANT_ENERGYError! Bookmark not defined.DATE_PROCESSED	The Participant energy in MWh for the periodIncluded in files published up to and including 31-May-2012 only.
	The datetime at which the recovery amounts were processed. The recovery amounts are calculated based on most recently posted data at this time.
<u>REGION_ENERGY</u>Error! Bookmark not defined.	The RegionId energy in MWh for the period
RECOVERY_AMOUNT	Total recovery amount for period for PARTICIPANTID and REGIONID:



Field Name	Description
	Pre IESS (RECOVERY_AMOUNT_CUSTOMER + RECOVERY_AMOUNT_GENERATOR)
	Post IESS: (RECOVERYAMOUNT_ACE + RECOVERYAMOUNT_ASOE)
LASTCHANGED	The Last Updated date and time
PARTICIPANT_GENERATIONError! Bookmark not defined.	Participant Generator Energy in the benefitting region
REGION_GENERATIONError! Bookmark not defined	The generator energy in the benefitting region
RECOVERY_AMOUNT_CUSTOMER1	The recovery amount allocated to customers
RECOVERY_AMOUNT_GENERATORError! Bookmark not defined.	The recovery amount allocated to generators
PARTICIPANT_ACE_MWH	The ACE MWh value for the Participant used in the Recovery Amount Calculation.
REGION ACE MWH	The Regional ACE MWh value used in the Recovery Amount Calculation.
PARTICIPANT_ASOE_MWH	The ASOE MWh value for the Participant used in the Recovery Amount Calculation.
REGION ASOE MWH	The Regional ASOE MWh value used in the Recovery Amount Calculation.
RECOVERYAMOUNT_ACE	The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ACE MWh values for eligible services.
RECOVERYAMOUNT_ASOE	The Recovery dollar amount for the Participant for the NMAS Contract Id calculated using the ASOE_MWh values for eligible services.

NMAS reconciliation files contain a section of data which provides a bill run number for each week in the recovery period. These records indicate the version of Participant energy data to be used in the reconciliation calculation.

5. File delivery

NMAS reconciliation files are published when settlement statements are posted for a billing week which contains NMAS Test Payment recovery amounts. It is available from the Settlements Direct web browser, with the following characteristics:

- Category NEM Summary Data
- TypeNEM NMAS Recovery Reconciliation

The file will be delivered according to any subscriptions pre-defined in Settlements Direct.

The file will also be available from the Participant File Share in the following location (subscription through Data Interchange is required):

[PARTICIPANTID]\Import\Documents

¹ Will return NULL post IESS

Additional NMAS Payment Recovery Reconciliation File



The file name format is shown below:

 Files published after 31-May-2012[:] PUBLIC_NMAS_[YYYYWeekWWRUNTYPE]_[datetime identifier].csv.

Version release history

Version	Effective Date	Summary of Changes
1.0	15/12/2009	Initial version.
1.1	8/06/2010	Added disclaimer and description of DATE_PROCESSED field in reconciliation file.
2.0	30/05/2012	Updated to incorporate changes implemented in the EMMS Mid Year 2012 release (energy lock down at Final, bill run tracking data in the reconciliation file).
4.0	13/05/2019	Update for 5-minute settlements and new AEMO format