



Additional NMAS Payment Recovery Reconciliation File

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Current version release details

Version	Effective date	Summary of changes
5.0	02 June 2024	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 New AEMO format

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

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/energy-systems/electricity/national-electricity-market-nem/data-nem/ancillary-services-data/ancillary-services-payments-and-recovery

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 Cost Recovery Market Participant (**CRMP**) in respect of the relevant region and trading interval in that week will be:

$$CRMP \text{ Recovery Amount } (ACE) = \left(\frac{SRP \times RBF}{2} \right) \times \left(\frac{TCE}{RATCE} \right)$$

$$CRMP \text{ Recovery Amount } (SOE) = \left(\frac{SRP \times RBF}{2} \right) \times \left(\frac{TSOE}{RATSOE} \right)$$

where:

- SRP = The amount payable by AEMO under an individual ancillary services agreement in respect of the provision of a specific SRAS.
- RBF = The latest regional benefit factor assigned to the provision of the relevant SRAS under the ancillary services agreement.

ACE	=	The sum of the adjusted consumed energy amount (ACE), for all connection points located in the region of the CRMP.
RATCE	=	The sum of the ACE, for all connection points located in the region of all CRMPs.
TSOE	=	The sum of the adjusted sent out energy (ASOE), for all connection points located in the region of the CRMP.
RATSOE	=	The sum of the ASOE, for all connection points of all CRMPs.

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

Field Name	Description
SETTLEMENTDATE	• Settlement Date
VERSIONNO	Settlement run number
PERIODID	Settlements Trading Interval.
PARTICIPANTID	The Participant from whom the amount is recovered
SERVICE	The type of NSCAS service. Current value values are: REACTIVE, LOADSHED, RESTART
CONTRACTID	The NMAS Contract Id

Field Name	Description
PAYMENTTYPE	The type of payment being recovered. Valid values are: AVAILABILITY, ENABLEMENT, COMPENSATION
REGIONID	The region from where the amount is recovered
RBF	The Benefitting Factor for the RegionId
PAYMENT_AMOUNT	The total Payment Amount to recover from all benefitting regions
PARTICIPANT_ENERGY Error! Bookmark not defined.	The Participant energy in MWh for the period
REGION_ENERGY Error! Bookmark not defined.	The RegionId energy in MWh for the period
RECOVERY_AMOUNT	Total recovery amount for period for PARTICIPANTID and REGIONID: Pre IESS (RECOVERY_AMOUNT_CUSTOMER + RECOVERY_AMOUNT_GENERATOR) Post IESS: (RECOVERYAMOUNT_ACE + RECOVERYAMOUNT_ASOE)
LASTCHANGED	The Last Updated date and time
PARTICIPANT_GENERATION Error! Bookmark not defined.	Participant Generator Energy in the benefitting region
REGION_GENERATION Error! Bookmark not defined.	The generator energy in the benefitting region
RECOVERY_AMOUNT_CUSTOMER ¹	The recovery amount allocated to customers
RECOVERY_AMOUNT_GENERATOR Error! 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.

¹ Will return NULL post IESS

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

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