

# NMAS RECOVERY RECONCILIATION FILE

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## Version Release History

VERSION	DATE	BY	CHANGES
1.0	15/12/2009	LindaM	Initial version.
1.1	8/06/2010	LindaM	Added disclaimer and description of DATE_PROCESSED field in reconciliation file.
2.0	30/05/2012	LindaM	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).

## 1 Introduction

AEMO makes routine payments to participants for the provision of Non Market Ancillary Services (NMAS). The routine payments include enabling and availability payments, and they are recovered from Market Customers and/or Market Generators. In some weeks additional recovery amounts apply, including recovery relating to NMAS Test Payments made by AEMO.

Recovery amounts relating to NMAS Test Payments are not included in the half-hourly settlements data 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 the 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 web site, 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 participant's NMAS recovery amounts.

## 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 participant in that week will be:

$$\begin{aligned}
 \text{Participant Recovery Amount} = & \\
 & \text{Total Payment Amount} \times \left( \text{Customer Portion} \times \frac{\text{Participant Customer Energy}}{\text{Total Customer Energy}} \right) + \\
 & \text{Total Payment Amount} \times \left( \text{Generator Portion} \times \frac{\text{Participant Generator Energy}}{\text{Total Generator Energy}} \right)
 \end{aligned}$$

where:

- Participant Recovery Amount* (in \$) = Additional recovery amount payable by the participant.
- 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. In the Electricity Market Management System (EMMS) 2012 Mid Year Release, changes were made to the version of energy used in these calculations such that the 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 required to be used in the NMAS Test Payment recovery calculation depends on when the reconciliation file was published:

- Files published up to and including 31-May-2012:  
Energy data used in the NMAS test payment recovery calculations is that which represents the most recently posted data (including revisions) at the time that the recovery amounts were processed.
- Files published after 31-May-2012<sup>1</sup>:  
Energy data used in the NMAS test payment recovery calculations is that which represents the most recently posted data at the time that the recovery amounts were processed, up until the Final statements are posted. For statements posted after that time, the energy data from the Final 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
SERVICE	The NMAS service to which the additional recovery amount has been applied. This will be one of: <ul style="list-style-type: none"> <li>• RESTART (System Restart)</li> <li>• REACTIVE (Reactive Power)</li> <li>• LOADSHED (Load Shed)</li> </ul>
PAYMENT_AMOUNT	The total additional amount being recovered from the NEM for the above service.
PAYMENT_CONTRACTYEAR	The year and billing week to which the additional recovery amount is applied.
PAYMENT_WEEKNO	
RECOVERY_STARTDATE	Define the date range over which the recovery applies (ie the customer

<sup>1</sup> Exceptions are 2011Wk47 and 2011Wk52 30-week revisions. As the 20-week revision data had been posted at the time of the system changes, the energy used in the NMAS test payment recovery calculations has been locked down at the 20-week revision for these weeks.

RECOVERY_ENDDATE	and generator energy over this date range will be considered in the calculation of recovery amounts).
CUSTOMER_PORTION	The percentage of the additional recovery amount that is recovered from Market Customers for this service
CUSTOMER_ENERGY	The total customer energy for all Market Customers for the period from the Recovery start date to the Recovery end date (inclusive).
GENERATOR_PORTION	The percentage of the additional recovery amount that is recovered from Market Generators for this service
GENERATOR_ENERGY	The total generator energy for all Market Generators for the period from the Recovery start date to the Recovery end date (inclusive).
DATE_PROCESSED	Included 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.

NMAS reconciliation files published after 31-May-2012 also 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
- Type NEM 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 up to and including 31-May-2012:  
PUBLIC\_NMAS\_[YYYYWkWW]\_[RUNTYPE].csv
- Files published after 31-May-2012:  
PUBLIC\_NMAS\_[YYYYWeekWWRUNTYPE]\_[datetime identifier].csv.