

## QUICK REFERENCE GUIDE

# METER DATA EXTRACT

### Reading your data extract

The first column in your meter data extract is the 'record indicator'. Each row of information is unique to its record indicator.

Here are some examples from a data extract to show you how this works, along with the definitions for each of the column names.

### Example of data extract: Record indicator 100

Record Indicator	Date Time	From Participant	To Participant
100	201508051210	WPNTKS	WPNTKS

#### What these fields mean:

<b>Record Indicator</b>	The unique identifier for that row.
<b>Date Time</b>	The date and time that the reads were taken from the meter.
<b>From Participant</b>	The network operator – Western Power (WPNTKS).
<b>To Participant</b>	For the purpose of third party data provision this will be recorded as the network operator – Western Power (WPNTKS).

### Example of data extract: Record indicator 200

Record Indicator	NMI	NMI Configuration	Register ID	NMI Suffix	Meter Serial Number	UOM	Interval Length
200	8001000000	E1Q1	1	E1	0348000000	kWh	30

#### What these fields mean:

<b>Record Indicator</b>	The unique identifier for that row.
<b>NMI</b>	National Meter Identifier. This is how we identify the site's electricity supply.
<b>NMI Configuration</b>	This code details how the meter is set up for consumption and generation.
<b>Register ID</b>	This register ID is the number of the active register. A register is the mechanism that records energy consumption and/or generation. Separate registers exist for consumption and generation.
<b>NMI Suffix</b>	The register which records electricity usage/consumption
<b>Meter Serial Number</b>	This is the unique serial number of the meter. This is located on the front of the customer's meter.
<b>UOM</b>	Unit Of Measure. This is how we measure the amount of energy being used.
<b>Interval Length</b>	Length of time in minutes that the consumption or generation is recorded.

## NMI Suffix

The following table shows the channel and associated NMI suffixes provided by default for each type of metering installation based on the NMI allocation procedure. This will help determine which Unit of Measure is being represented.

	AVERAGE	MASTER	CHECK
IMPORT kWh	A	B	C
EXPORT kWh	D	E	F
IMPORT kvarh	J	K	L
EXPORT kvarh	P	Q	R
kVAh	S	T	U

Note: Import kWh is net electricity generated at site and fed into the network, while Export kWh is electricity provided from the network to the site.

## Example of data extract: Record indicator 300

Record Indicator	Interval Date	Interval Value	Quality Method	Reason Code	Update Date Time
300	20150701	3.66	A		20150704031827

### What these fields mean:

<b>Record Indicator</b>	The unique identifier for that row.
<b>Interval Date</b>	The date of the interval read.
<b>Interval Value</b>	Within the Western Power network all interval meters are configured to record energy data at either 15 minute or 30 minute intervals. When recorded in 15 minute intervals these are aggregated within the metering systems to 30 minute trading intervals. This will result in 48 values being displayed per day.
<b>Quality Method</b>	This details the accuracy of the meter reading. You will usually see this populated with a letter which indicates the type of read. <ul style="list-style-type: none"> <li>- <b>A: Actual Read.</b> This means the meter has recorded a read for this interval.</li> <li>- <b>S: Substituted Read.</b> This means an actual reading was unable to be obtained. The substituted value is taken from an average of the consumption for a similar period and used until an actual read is available.</li> </ul>
<b>Reason Code</b>	This is a code used to explain why an actual read was not recorded for a given interval.
<b>Update Date Time</b>	The date the read was obtained.

## Further Information

For a more detailed guide on understanding your meter data extract, visit the Australian Energy Market Operator (AEMO) website at the link below.

You'll need to download their file called 'FINAL Meter Data File Format Specification NEM12 & NEM13 (clean)'.  
<http://www.aemo.com.au/Stakeholder-Consultation/Consultations/Meter-Data-File-Format-Specification-NEM12-and-NEM13>

Further information about Third Party Access to Data can be found on the Western Power website at the link below.

<https://www.westernpower.com.au/support/as-a-third-party-entity-can-i-retrieve-metering-data-for-a-customer>