

Data specification for the NSW Energy Security Safeguard

12 June 2025

This document sets out IPART's specification for the provision of data by AEMO for the 2024 Energy Savings Scheme (ESS) compliance period.

The data supplied is the aggregation for the reporting period listed for that participant ID across all local areas served by the connection points listed in the scope.

Parameter	Specification
Scheme participants	For this purpose, scheme participants are: <ul style="list-style-type: none"> Electricity retailers Market customers (including integrated resource providers) Direct suppliers of electricity: AGL Macquarie Pty Ltd & Delta Power & Energy (Vales Point) Pty Ltd
Data source	SETCPDATA table of the SETTLEMENT package and SET_ENERGY_TRANSACTIONS table of the SETTLEMENT_DATA package of AEMO's MMS Data Model ^a From the SET_ENERGY_TRANSACTIONS table include data for all meter types other than GENERATOR (i.e. CUSTOMER, BDU, NREG)
Required fields	From the SETCPDATA table each of: <ul style="list-style-type: none"> Import gross energy into the pool as IGENERGY in MWh Export gross energy into the pool as XGENERGY in MWh Share of UFE allocated to this Participant ID in the billing run as UFEA in MWh Import net energy into the pool as INENERGY in MWh Export net energy from the pool as XNENERGY in MWh Net energy (INENERGY-XNENERGY) as TA in MWh From the SET_ENERGY_TRANSACTION table each of: <ul style="list-style-type: none"> Adjusted consumed Energy as ACE in MWh
Form of data	As per AEMO conventions in the SETCPDATA and SET_ENERGY_TRANSACTION tables: <ul style="list-style-type: none"> XGENERGY, XNENERGY, IGENERGY and INENERGY are reported as positive figures UFEA may be reported as negative or positive^b TA may be reported as negative or positive^c ACE is reported as negative
Market purchases	IPART will use AEMO data to calculate gross electricity market purchases as follows: <ul style="list-style-type: none"> Up to 2 June 2024: Gross electricity market purchases = XGENERGY + (UFEA x -1) From (and including) 2 June 2024: Gross electricity market purchases = ACE
2024 ESS reporting period	1 January 2024 to 31 December 2024
Version	A minimum of 20-week settlement data for all days of the reporting period. For the ESS reporting period this will include some 30-week settlement data and some 20-week settlement data.
Scope	Data for all Connection Point IDs that provide electricity to NSW customers. This includes all connection point ID's beginning with 'N' except NWDL, NTUX, & NCM2. It also includes the connection points AQB2 Queanbeyan, VRCA Red Cliffs and VWEA Wemen 66. Note Generator purchases are not included in the data set.

^a AEMO reported data from the SETCPDATA table prior to 2 June 2024 and from the SET_ENERGY_TRANSACTIONS table on and from 2 June 2024.

^b A negative UFEA represents less electricity being charged for than is required (i.e. XGENERGY needs to be increased by the absolute value of UFEA to determine total gross market purchases). A positive UFEA represents more energy being charged for than is required (i.e. XGENERGY needs to be decreased by the absolute value of UFEA to determine total gross market purchases).

^c A negative TA represents net exports, a positive TA represents net imports.

