11.16 Table: DISPATCHINTERCONNECTORRES

11.16.1 DISPATCHINTERCONNECTORRES

Name	DISPATCHINTERCONNECTORRES
Comment	DISPATCHINTERCONNECTORRES sets out MW flow and losses on each interconnector for each dispatch period, including fields for the Frequency Controlled Ancillary Services export and import limits and extra reporting of the generic constraints set the energy import and export limits.

11.16.2 Description

DISPATCHINTERCONNECTORRES is public data, and is available to all participants.

Source

DISPATCHINTERCONNECTORRES updates every 5 minutes.

Note

MW losses can be negative depending on the flow.

The definition of direction of flow for an interconnector is that positive flow starts from the FROMREGION in the INTERCONNECTOR table.

11.16.3 Notes

Name	Comment	Value
Visibility	Data in this table is:	Public

11.16.4 Primary Key Columns

Name
DISPATCHINTERVAL
INTERCONNECTORID
INTERVENTION
RUNNO

SETTLEMENTDATE

11.16.5 Index Columns

Name

LASTCHANGED

11.16.6 Content

Name	Data Type	Mandatory	Comment
SETTLEMENTDATE	DATE	X	Market date starting at 04:05
RUNNO	NUMBER(3,0)	X	Dispatch run no; always 1
INTERCONNECTORID	VARCHAR2(10)	X	Interconnector identifier
DISPATCHINTERVAL	NUMBER(22,0)	X	Dispatch period identifier, from 001 to 288 in format YYYYMMDDPPP.
INTERVENTION	NUMBER(2,0)	X	Intervention case or not
METEREDMWFLOW	NUMBER(15,5)		Metered MW Flow from SCADA.
MWFLOW	NUMBER(15,5)		Target MW Flow for next 5 mins.
MWLOSSES	NUMBER(15,5)		Calculated MW Losses
MARGINALVALUE	NUMBER(15,5)		Shadow price resulting from thermal or reserve sharing constraints on Interconnector import/export (0 unless binding) - NEMDE Solution InterconnectorSolution element "Price" attribute

VIOLATIONDEGREE	NUMBER(15,5)		Degree of violation on interconnector constraints
LASTCHANGED	DATE		Last changed.
EXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy only.
IMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy only.
MARGINALLOSS	NUMBER(15,5)		Marginal loss factor. Use this to adjust prices between regions.
EXPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the export limit
IMPORTGENCONID	VARCHAR2(20)		Generic Constraint setting the import limit
FCASEXPORTLIMIT	NUMBER(15,5)		Calculated export limit applying to energy + FCAS.
FCASIMPORTLIMIT	NUMBER(15,5)		Calculated import limit applying to energy + FCAS.
LOCAL_PRICE_ADJUSTMENT_EXPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector: Sum(MarginalValue x Factor) for all relevant Constraints, for Export (Factor >= 0)
LOCALLY_CONSTRAINED_EXPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Export: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints
LOCAL_PRICE_ADJUSTMENT_IMPORT	NUMBER(10,2)		Aggregate Constraint contribution cost of this Interconnector:

			Sum(MarginalValue x Factor) for all relevant Constraints, for Import (Factor >= 0)
LOCALLY_CONSTRAINED_IMPORT	NUMBER(1,0)		Key for Local_Price_Adjustment_Import: 2 = at least one Outage Constraint; 1 = at least 1 System Normal Constraint (and no Outage Constraint); 0 = No System Normal or Outage Constraints