

# GAS MMS DATA MODEL PACKAGE SUMMARY

AEMO Gas Data Model v2.0 Oracle

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## 1 List of packages

Name	Comment
GAS_BB	
GAS_SUPPLY_HUB	Gas Supply Hub markets reports to provide Participants with information on their trades, prudential exposure, settlement runs, and registration details

## 2 Description of model AEMO Gas Data Model v2.0 Oracle

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### 3 Package: GAS\_BB

Name GAS\_BB

Comment

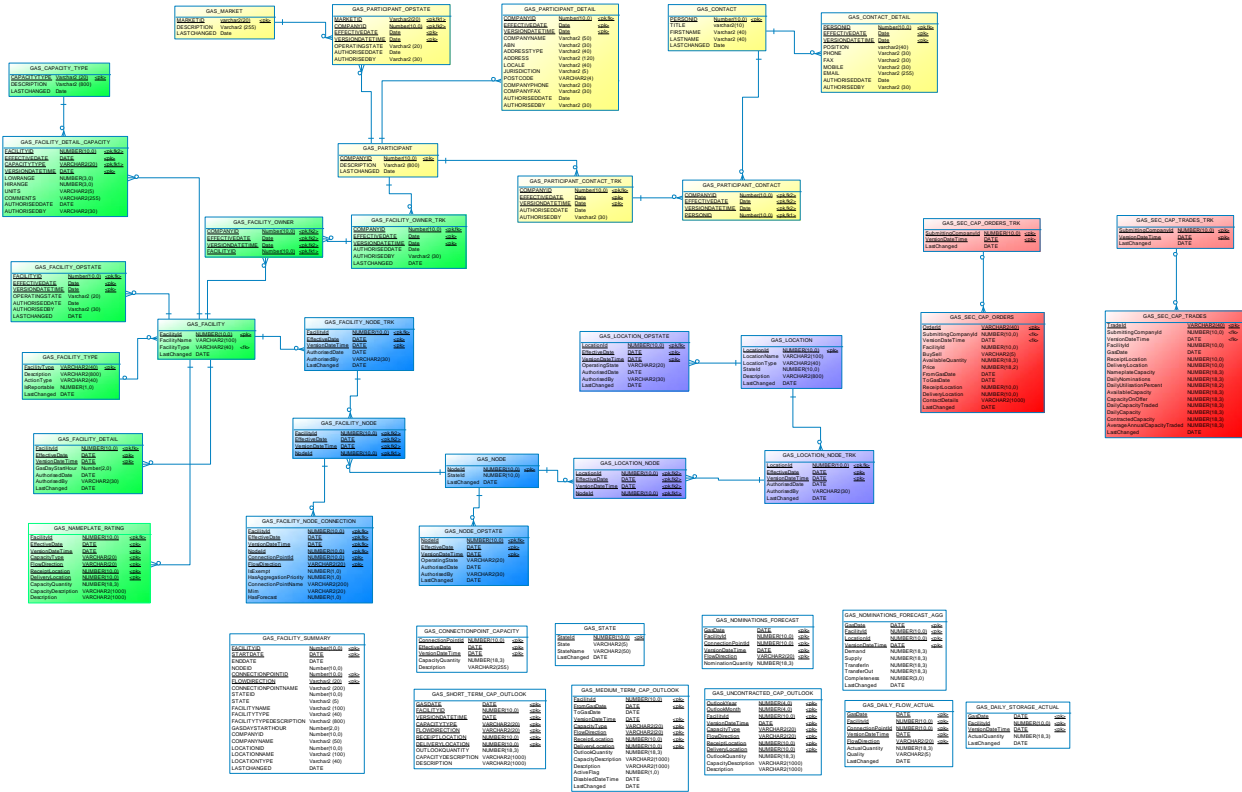
#### 3.1 List of tables

Name	Comment
GAS_CAPACITY_TYPE	Capacity Type - The type of capacity detailed. Valid entries are: STORAGE, MDQ
GAS_CONNECTIONPOINT_CAPACITY	Provide details of the gate station capacity on a particular day.
GAS_CONTACT	The registered user list of responsible contact persons for each BB Participant organisation as identified at registration or otherwise
GAS_CONTACT_DETAIL	The registered user list details of responsible contact persons for each BB Participant organisation as identified at registration or otherwise
GAS_DAILY_FLOW_ACTUAL	Provides on each gas day D, the BB facility operator's daily gas flow data for injections and withdrawals at each connection point for gas day D-1.
GAS_DAILY_STORAGE_ACTUAL	Provide on each gas day D, the actual quantity of natural gas held in each storage facility at the end of the gas day D-1.
GAS_DATA_MODEL_AUDIT	GAS_DATA_MODEL_AUDIT shows the audit trail of scripts applied to this installation of Gas Data Model. Participants should ensure that if a database is cloned the content of this table is copied to the target database
GAS_FACILITY	Provides details of all facilities
GAS_FACILITY_DETAIL	The details of all gas plant facilities over time
GAS_FACILITY_DETAIL_CAPACITY	The standing details on capacity of all gas plant facilities over time
GAS_FACILITY_NODE	Identifies the set of nodes linked to facilities. A facility can have any number of nodes.
GAS_FACILITY_NODE_CONNECTION	Identifies the set of connections associated with a node. There are up to four. Up to two for each facility/node combination. For example, a pipe might be connected to a store via a node. Two of the connections in the node are connected to the pipe and two to the store. Each pair of connections is a delivery or a receipt type of connection.
GAS_FACILITY_NODE_TRK	A facility tracking record. A parent record relating to sets of child nodes linked to a facility. The set can be found in GAS_FACILITY_NODE.
GAS_FACILITY_OPSTATE	The operating status of all facilities over time
GAS_FACILITY_OWNER	The detail of facility ownership over time
GAS_FACILITY_OWNER_TRK	The tracking of Facility ownership over time
GAS_FACILITY_SUMMARY	A summary of gas FACILITY, capacity and ownership through time
GAS_FACILITY_TYPE	A lookup table identifying the type of facilities stored in AEMO's GBB system
GAS_LINEPACK_ADEQUACY	The linepack adequacy (flag) for each of the (non-exempt) BB pipelines
GAS_LOCATION	Lists all production and demand locations within the Bulletin Board system.
GAS_LOCATION_NODE	Provides a list of nodes within a location.
GAS_LOCATION_NODE_TRK	Provides a record of node tracking.
GAS_LOCATION_OPSTATE	The operating status of all locations over time.

GAS_MARKET	The list of defined Gas Markets against which the Participant Operating Status is activated
GAS_MEDIUM_TERM_CAP_OUTLOOK	Provide the details of activities that may affect the daily capacity of the facility over the next 12 months.
GAS_NAMEPLATE_RATING	Provide the nameplate rating of each facility or information about any planned permanent capacity reduction or expansion due to modification of the facility.
GAS_NODE	A container for up to four connections
GAS_NODE_OPSTATE	The operating status of all facility nodes over time
GAS_NOMINATIONS_FORECAST	For BB pipelines forming part of a Declared Transmission System, provide on each gas day the aggregated scheduled injections and aggregated scheduled withdrawals at each controllable system point for gas day D to D+2. For all other BB facility operators, provide on each gas day D the aggregated nominated and forecast injections and aggregated nominated and forecast withdrawals for gas day D to D+6.
GAS_NOMINATIONS_FORECAST_AGG	Provides the aggregate of forecast and nominations by location.
GAS_PARTICIPANT	The list of all registered organisations i.e the BB Participants of the Bulletin Board
GAS_PARTICIPANT_CONTACT	The detail of contacts against a gas participant over time
GAS_PARTICIPANT_CONTACT_TRK	The tracking of sets of contacts against a gas participant over time
GAS_PARTICIPANT_DETAIL	The details of all registered organisations i.e the BB Participants of the Bulletin Board over time
GAS_PARTICIPANT_OPSTATE	The operating status of all registered organisations i.e the BB Participants of the Bulletin Board over time
GAS_SEC_CAP_ORDERS	Information related to the bids and offers of secondary pipeline capacity, which is derived from a secondary pipeline capacity trading platform
GAS_SEC_CAP_ORDERS_TRK	Bids and offer tracking information of secondary pipeline capacity
GAS_SEC_CAP_TRADES	Information related to summary trading data, which is derived from a secondary pipeline capacity trading platform.
GAS_SEC_CAP_TRADES_TRK	Information related to summary trading data, which is derived from a secondary pipeline capacity trading platform.
GAS_SHORT_TERM_CAP_OUTLOOK	Provides on each gas day D, the BB facility operator's good faith estimate of the daily capacity of the BB Facility for gas days D+1 to D+7.
GAS_STATE	List of states.
GAS_UNCONTRACTED_CAPACITY_OUTLOOK	Provide the uncontracted capacity of the facility over the next 12 months.

### 3.2 Diagram: Entities: Gas Bulletin Board

<p>Name Code Comment</p>	<p>Entities: Gas Bulletin Board  <b>ENTITIES_GAS_BULLETIN_BOARD</b>                  The Gas BB ERD is Colour Coded as an aid.                  The Yellow tables denote Participant Registration.                  The Green tables denote Participant - Facility ownership and Facility properties.                  The Purple tables denote Location details.                  The Blue tables denote Node and Node connection details</p>
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## 4 Package: GAS\_SUPPLY\_HUB

<i>Name</i>	GAS_SUPPLY_HUB
<i>Comment</i>	Gas Supply Hub markets reports to provide Participants with information on their trades, prudential exposure, settlement runs, and registration details

### 4.1 List of tables

Name	Comment
GSH_BENCHMARK_PRICE	The report contains the benchmark prices for the day ahead (non-firm price) PLUS the last two years of daily benchmark prices (firm price)
GSH_DELIVERED_QUANTITY	The purpose of this report is to provide the Participants (buyer and seller) an acknowledgement whenever a delivered quantity record is submitted or confirmed. The report will also provide Participants with a list of all their delivered quantity records updated within the last thirty days when triggered daily prior to the start of trades for the current day.
GSH_DELIVERY_NETT_POINTS	List of delivery point preferences if delivery points are overridden. Child record of GSH_DELIVERY_NETT_PREFS
GSH_DELIVERY_NETT_PREFS	Provide a history of Delivery Netting Preferences entered through the new Delivery Netting Web Interface.
GSH_DELIVERY_OBLIGATIONS	The purpose of this report is to provide the Participants with their Delivery Obligations at each location. Delivery Obligation quantities are results of the delivery netting process.
GSH_HISTORICAL_SUMMARY	The report provides a summary of all trades delivered in the current gas day and the last thirty gas days per product location. It provides information on the volume weighted average price, and the total traded quantities.
GSH_ORDERS	The purpose of this report is to provide the Participant a confirmation whenever an order (bid or offer) is submitted, amended, or cancelled.
GSH_PARTICIPANT_CONTACTS	The purpose of this report is to provide the participant with a list of all their contact details.
GSH_PARTICIPANTS	The report contains the registration details of all participants currently registered in the GSH market.
GSH_PRD_BANK_GUARANTEES	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Bank Guarantees subreport provides a list of all bank guarantees used in the prudential run.
GSH_PRD_EST_MARKET_EXPOSURE	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Estimated Market Exposure subreport provides summary information for the Organisation's estimated market exposure.
GSH_PRD_REALLOCATIONS	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Reallocations subreport provides a breakdown of all reallocation amounts used in the prudential run at the participant level.



GSH_PRD_SECURITY_DEPOSITS	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Security Deposits subreport provides a list of all security deposits used in the prudential run (Note: only security deposits that are maturing on a day later than the prudential date time are included in this report).
GSH_PRD_SETTLEMENT_AMOUNTS	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Settlement Amounts subreport provides a breakdown of all settlement amounts at the participant level for all settlement runs included in the prudential run
GSH_PRD_TRADE_FWD_EXPOSURE	The purpose of the Prudential Exposure report is to provide organisations with daily estimates of their market exposure. The report also contains details of their bank guarantees and security deposits as well as their outstanding amounts for all settlement runs included in the prudential run. The Trade Forward Exposure subreport provides a summary of forward exposure amounts for the organisation by product location by gas day.
GSH_REALLOC_DAILY_AMOUNT	The purpose of the Reallocation Confirmation report is to provide the participants (Credit and Debit Parties) a confirmation wherever an allocation is submitted, authorised, cancelled or expired. The Daily Amount subreport contains the reallocation daily amount for each gas day in the reallocation period.
GSH_REALLOC_REALLOCATION	The purpose of the Reallocation Confirmation report is to provide the participants (Credit and Debit Parties) a confirmation wherever an allocation is submitted, authorised, cancelled or expired. The Reallocation subreport contains the main reallocation details.
GSH_SECDEPOSIT_INTEREST_RATE	The Security Deposit Interest Rate On Daily Basis. This is the public table published when a new floating daily interest rate is entered and authorised
GSH_SUPP_ADHOC	The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Adhoc subreport provides a list of all individual ad-hoc payments and charges included in the settlement run.
GSH_SUPP_DELIVERED_QUANTITY	The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Delivered Quantity subreport provides a list of all individual delivered quantity records included in the settlement run.
GSH_SUPP_DELIVERY_VARIANCE	The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all

	<p>executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Delivery Variance subreport provides a breakdown of total delivery variance payments and charges included in the settlement run per gas day, note that total payments and total charges are listed separately for each gas day.</p>
GSH_SUPP_EXECUTED_TR ADES	<p>The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Executed Trades subreport provides a list of all individual executed trades records included in the settlement run.</p>
GSH_SUPP_FEE	<p>The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Fee subreport provides a list of all market and transaction fees included in the prudential run against the gas dates.</p>
GSH_SUPP_PHYSICAL_GAS	<p>The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Physical Gas subreport provides a breakdown of total physical gas payments and charges included in the settlement run per gas day, note that total payments and total charges are listed separately for each gas day.</p>
GSH_SUPP_REALLOCATION S	<p>The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Reallocations subreport provides a list of all individual reallocations included in the settlement run per gas day.</p>
GSH_SUPP_SERVICES	<p>This report adds details from the settlements run for the new Wallumbilla Compression Services product. It is produced when a settlements run is completed.</p>
GSH_SUPP_SETTLEMENT_R UN	<p>The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements</p>

	reconciliation. The Settlement Run subreport provides header details of the settlement run.
GSH_SUPP_SETTLEMENT_SUMMARY	The Settlements Supporting Data Report is generated when Final and Revision settlement statements are issued; it is also generated daily with details of the latest initial settlement run of the day. The report contains settlements summary information as well as participant specific data from that settlement run for the relevant charges and payments per gas day. It provides a breakdown of all executed trades and delivered quantities records included in this settlement run to assist participant in their settlement statements reconciliation. The Settlement Summary subreport provides summary details of the settlement run.
GSH_TRADES	The purpose of this report is to provide the Participants (buyer and seller) a confirmation whenever a trade is executed through auto matching of bids and offers or by off-Market trades. The report will also provide Participants with a list of all their future trades when triggered daily after the end of the trades for the current day.
GSH_TRADING_CONTACTS	The purpose of this report is to provide all GSH participants with a list of all Trading and Delivery contacts details for all registered participants in the GSH market. This report will be made available to all GSH participants.
GSH_TRANSACTION_SUMMARY	The report provides a summary of all trades executed in the current gas day per product. It provides information on the high/low open/close prices, total traded quantities and number of trades.

## 4.2 Diagram: Entities: Gas Supply Hub

Name	Code	Comment
<b>Entities: Gas Supply Hub</b>		
<b>ENTITIES_GAS_SUPPLY_HUB</b>		

