GUIDE TO NATURAL GAS SERVICES BULLETIN BOARD REPORTS VERSION 2.2

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Important Notice

Purpose

AEMO has prepared this Guide to Natural Gas Services Bulletin Board Reports (Guide) to provide guidance on the use of the Natural Gas Services Bulletin Board reports under the National Gas or Electricity Rules (Rules), as at the date of publication.

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Version History

0.1 Draft
1.1 Published final version
1.2 Revised final version with API reports
[Status] Inclusion of initial Part 24 changes
2.2 Updated to include changes to existing and new reports resulting from the National Gas Amendment (Market Transparency) Rule 2022

What's changed

Item	What's changed
Actual Flow and Storage	Changed Report Period from 1 calendar month to 36 days of data
Report conventions	Changes to the characteristics of Connection Point Identifiers
New API: Connection Point Nameplate Rating	New API URL: Connection Point Nameplate Rating.
New Report: New Connection Point Nameplate Rating report	Remove the Gate Station Nameplate Rating Report and replace with the Connection Point Nameplate Rating report.
Remove Report: Location Daily Production and Flow report	Remove Location Daily Production and Flow report
Remove Report: Location Nominations and Forecasts	Remove Location Daily Production and Flow report
Update Report: Nameplate Rating	Update Nameplate rating report to include *BB compression facilities*
New Report: Allocation Agent Information	New PDF report provided by participant in PDF and published onto the BB.

Documents made obsolete

The release of this document changes only the version of [Title].

Further Information

For further information, please visit AEMO's website www.aemo.com.au or contact:

AEMO Information and Support Hub Phone: 1300 AEMO 00 (1300 236 600) and follow the prompts.

Email: supporthub@aemo.com.au

Glossary

These abbreviations, symbols, and special terms assist the reader's understanding of the terms used in this document. Terms defined in the National Gas Law or the National Gas Rules have the same meanings in this document unless otherwise specified in this document.

Abbreviation	Abbreviation Explanation
AEMO	Australian Energy Market Operator
AEST	Australian Eastern Standard Time
BBO	The Natural Gas Services Bulletin Board Operator
CSV	Comma-Separated Values, a comma delimited text
N/A	Not Applicable
BB	Natural Gas Services Bulletin Board
TJ	1,000 Gigajoules, 10^{12} Joules. A Joule is a unit of energy.

Special Terms

Term	Definition
Demand Location	A location where the natural gas load is delivered by one or more BB pipelines.
Gas Day	A period of 24 consecutive hours that commences in accordance with the respective agreements or rules that apply to the facilities and pipelines covered by the BB. The Gas Day Start Hour that applies to each facility or pipeline is published in the Facility report.
Procedures	The Bulletin Board procedures made under Part 18 of the National Gas Rules.
Supply Location	A location in which natural gas is produced from one or more facilities and is injected into one or more BB pipelines that transport the gas to other supply location or Demand location.
Rules	The National Gas Rules.
TJ	1 Terajoule, 1,000 Gigajoules, 1,000,000 Joules. A Joule is a unit of energy.

Contents

1 Introduction

1.1 Purpose

This guide describes the mechanisms and formats for the Natural Gas Services Bulletin Board (BB) reports published by AEMO through RESTful APIs.

1.2 Audience

The primary audience for this document is business users and IT developers involved in the design and implementation of systems that interface with the BB.

1.3 How to use this guide

This guide is organised by report name and describes the specifications of each report. Use this guide to help you understand the reports and to develop automated tools for processing the report data.

Text in this format indicates a direct hyperlink with details of the resource listed in section "3.4".

1.4 What is in this guide

- Chapter 2 "Overview" describes the general report formats and report conventions.
- Chapter 3 "Retrieve BB Reports " explains how to retrieve JSON format reports using HTTPS web services.

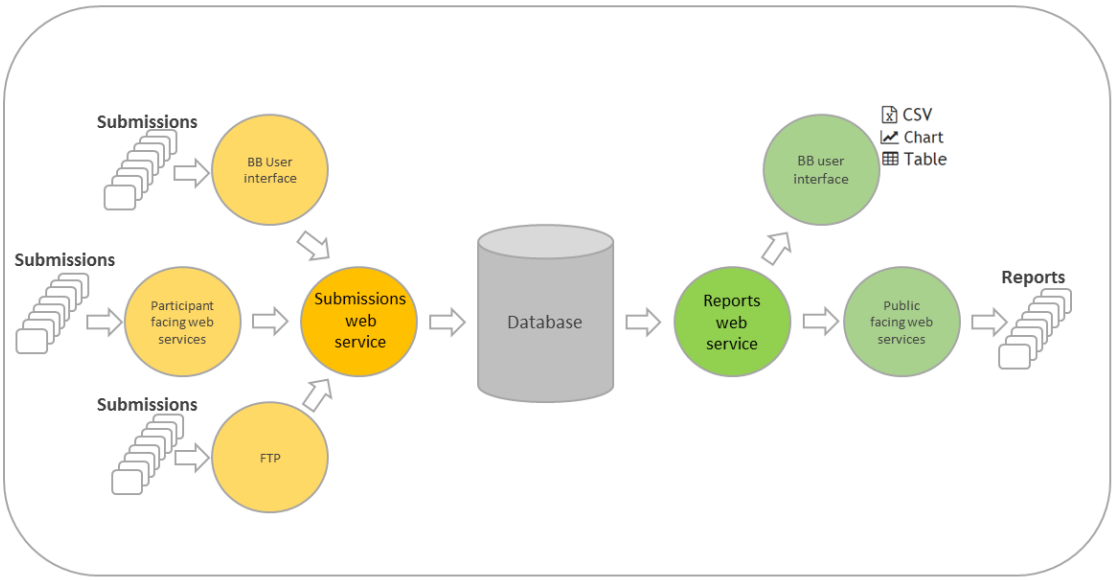
2 Overview

Data exchange between Participants and the BB consists of:

- Participants submitting data to the BB, and
- Participant retrieving data reports from the BB.

Figure 1 illustrates the mechanisms at a conceptual level.

Figure 1 BB data exchange mechanisms



Registered participants can retrieve BB reports using the following methods:

- JSON format reports: Using public API by submitting a POST request to a report URL.
- The BB website http://gbb.aemo.com.au

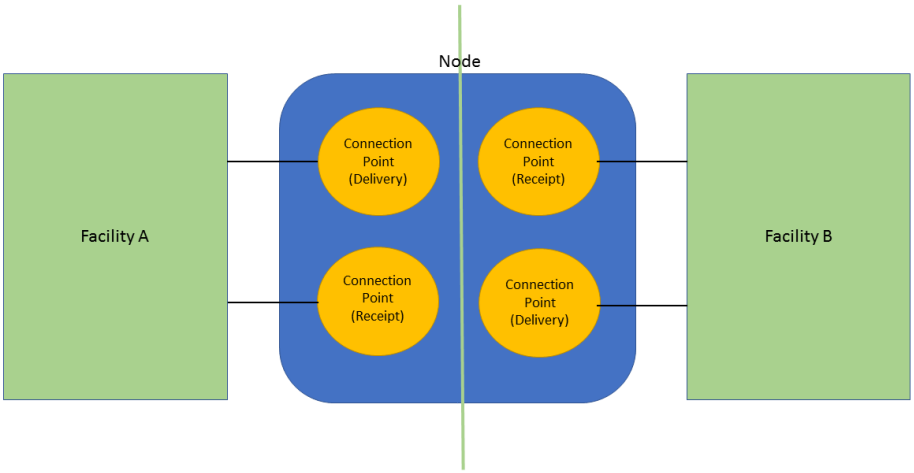
You can use any report retrieval method depending on the IT systems and requirements of the *BB reporting entity*.

All *BB reporting entities* retrieving data from the BB must be registered in accordance with the Rules to be given access credentials to the BB.

2.1 Data structure concepts

AEMO uses the concept of nodes to link facilities and their connection points.

- A node consists of up to four connection points and can have up to two facilities connected to it.
- A facility can have two unidirectional connection points connected to a node, for example, one connection point for gas receipt, and one connection point for gas delivery as shown in the following diagram.
- A facility can have any number of nodes.



2.2 Report conventions

2.2.1 Facility identifiers

Facility identifiers (FacilityId) used in reports subscribe to the following format:

```
5+[2-8]+[0-9]{1,4}
```

Item	Description	Values
1	Energy type identifier	5 Gas
2	State code of element	2 NSW and ACT 3 Victoria 4 Queensland 5 South Australia 6 Western Australia 7 Tasmania 8 Northern Territory
3	State based unique identifying number	1 to 9999

FacilityIds have the following characteristics:

- FacilityIds are defined and allocated by AEMO to *BB reporting entities* during the registration process.
- A *BB reporting entity* may report on multiple FacilityIds.

For example, FacilityId “520345” relates to an element (*BB reporting entity*) within NSW and ACT with a unique identifier of “0345” which is related to the gas industry.

2.2.2 Connection Point Identifiers

Connection Point identifiers (ConnectionPointId) used in transactions and reports subscribe to the following format:

```
1+[2-8]+[0-9]{1,5}
```

Item	Description	Values
1	Connection point identifier	1
2	State code of element	2 NSW and ACT 3 Victoria 4 Queensland 5 South Australia 7 Tasmania 8 Northern Territory
3	State based unique identifying number	1 to 99999

ConnectionPointIDs have the following characteristics:

- ConnectionPointIDs are defined and allocated by AEMO to *BB reporting entities* during the registration process.
- A unique ConnectionPointID will be assigned for each receipt and delivery gas flow for each registered facility.
- *BB reporting entities* must report flows into their respective facilities as receipts, and flows out of their respective facilities as deliveries, for each ConnectionPointID.
- The state code element for a ConnectionPointID corresponds to its physical location. In the case of *BB pipelines* that traverse multiple states, state codes for ConnectionPointIDs along the line can differ from that of other ConnectionPointID and the pipeline's FacilityId.
- The 1-9999 unique identifying number of a ConnectionPointID to be unique for each state. Thus, two ConnectionPointIDs in different states can have the same identifying number.

For example:

- Connection Point ID "1301000" relates to a connection point within Victoria with the state based unique number identifier of "1000".
- Connection Point ID "1401000" relates to a connection point within Queensland with the state based unique number identifier of "1000".

2.2.3 Basin identifiers

Basin identifiers (BasinId) used in reports subscribe to the following format:

```
5+[2-8]+[0-9]{1,4}
```

Item	Description	Values
1	Energy type identifier	5 Gas
2	Basin identifier	9
3	Basin based unique identifying number	1 to 9999

BasinIds have the following characteristics:

- BasinIds are defined and allocated by AEMO to reporting entities during the registration process

For example, BasinId "594321" relates to a Basin with a unique identifier of "4321" which is related to the gas industry.

3 Retrieve BB Reports

You can retrieve BB reports through AEMO's public APIs by submitting a HTTPS GET request to a API endpoint URL.

AEMO's HTTPS web services is accessed through a MarketNet connection.

3.1 API Web Portal

The AEMO API Web Portal provides information to implement your APIs and includes documentation, examples, code samples, and API policies:

- Pre-production environment: developer-portal-ppd.aemo.com.au/api-details
- Production environment: developer-portal-prd.aemo.com.au/api-details

For detailed information on accessing the e-Hub (API Web Portal and API Gateway), and using the API Portal, see the Guide to AEMO's e-Hub APIs.

3.2 System requirements

API Web Portal

- MarketNet or internet connection. For more information about MarketNet, see Guide to Information Systems.
- User ID and password. You can register through the AEMO API Portal.

API Gateway

- Access to MarketNet.
- An application to Base64 encode your User Rights Management (URM) username and password for authorisation.
- Authentication using a SSL digital certificate which contains a:
  - Digitally signed certificate: A digital certificate provided by the participant that is digitally signed by AEMO.
  - E-Hub public certificate: AEMO's public key certificate.
  - Root certificate: Public key certificate that identifies the root certificate authority (CA).
- For more information on how to obtain these certificates, see "SSL certificates" in the Guide to AEMO's e-Hub APIs.

Access to production and pre-production APIs require different SSL certificates.

3.3 HTTPS POST request format

A HTTPS POST request contains header attributes as shown in the following table.

Table 1 HTTPS request header attributes

Header parameter	Description	Allowed values / Example
Content-Type	HTTPS request format.	`Content-type: application/json`
Accept	HTTPS response format.	`Accept: application/json`
Content-Length	Content length of file. The value is populated when the request is sent.	`Content-length: nnn`
X-initiatingParticipantID	The participant ID	`X-initiatingParticipantID: 123456`
X-market	The market type that the request applies.	`X-market: GAS`
Authorization	Specifies basic HTTP authentication containing the Base64[1] encoded username and password. The participant's URM username and password are concatenated with a colon separator and then Base64 encoded.	`Authorization: Basic QFhQVC0wMDAwMzoyZWRmOGJhYS0wY2I0LTQwZjctOTIyMS0yODUxNmM4N2MxNjQ=` (For URM username "@XPT-00003" and password "2edf8baa-0cb4-40f7-9221-28516c87c164")

Figure 2 Example HTTPS POST request

```
POST /api/v1/GateStationNameplateRatingRequest HTTP/1.1
Host: TBC

Content-type: application/json
Accept: application/json
Content-length: nnn
Authorization: Basic QFhQVC0wMDAwMzoyZWRmOGJhYS0wY2I0LTQwZjctOTIyMS0yODUxNmM4N2MxNjQ=
X-initiatingParticipantID: 123456
X-market: GAS


{}
```

A swagger file can be downloaded from AEMO API portal > API Gallery > Gas Bulletin Board > API documents which contains RESTful API specification for BB reports.

3.4 API endpoint URLs

The URLs for reports share a common base URL format. The format of the base URL is shown below.

Market Facing Internet web service host

https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/{resourceName}

https://apis.prod.aemo.com.au:9319/ws/gbb/report/v1/{resourceName}

Market Facing MarketNet web service host

https://apis.preprod.marketnet.net.au:9319/ws/gbb/report/v1/{resourceName}

https://apis.prod.marketnet.net.au:9319/ws/gbb/report/v1/{resourceName}

The report name is the name of one of the available reports. All possible ReportName values are listed in Table 2. URLs for listing and retrieving reports are appended to the base URL for the report.

Notes:

- Participants can use either service (Internet or MarketNet) to retrieve reports. For example, if you use MarketNet instead of the Internet service, substitute *https://apis.preprod.**aemo**.com.au:9319/ws/gbb/report/v1/reportName* with https://apis.preprod.marketnet.net.au:9319/ws/gbb/report/v1/reportName
- Report name URLs are case-sensitive. Resource Name is always camelCase.

Table 2 URLs for retrieving reports

Report	API endpoint URL
Actual Flow and Storage	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/dailyProductionAndFlow
Facility	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/facilities
Connection Point Nameplate Rating	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/connectionPointNameplateRating
Linepack Capacity Adequacy	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/linepackCapacityAdequacy
Locations	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/locations
Location Nominations and Forecasts	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/locationNominationsAndForecasts
Medium Term Capacity Outlook	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/mediumTermCapacityOutlook
Nameplate Rating	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/nameplateRating
Nominations and Forecasts	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/nominationsAndForecasts
Pipeline Connection Point Flow	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/pipelineConnectionPointFlow
Registered Contact	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/registeredContact
Registered Participants Report	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/registeredParticipant
Secondary Pipeline Capacity Bid and Offer Summary	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/secondaryPipelineCapacityBidsOffers
Secondary Pipeline Capacity Trade Summary	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/secondaryPipelineCapacityTrades
Short Term Capacity Outlook	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/shortTermCapacityOutlook
State Daily Production and Flow	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/stateDailyProductionAndFlow
State Nominations and Forecasts	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/stateNominationsAndForecasts
States	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/states

Report	API endpoint URL
Uncontracted Capacity Outlook Report	https://apis.preprod.aemo.com.au:9319/ws/gbb/report/v1/uncontractedCapacityOutlook
Shippers with Contracted Pipeline Capacity Report	To be provided in PDF format.
Voluntary Information from LNG Producers in Queensland Report	To be provided in PDF format.

Report GET requests are only accepted by the system if **all** request data passes validation.

3.5 Filtering requests

You can filter GET requests by defining filter parameters in the GET request URL. The filter parameters that be used for a BB report are described in BB Report formats.

The following example shows HTTPS POST request to retrieve a Nominations and Forecasts Report filtered by Effective Date and Pipelines.

GET request URL:

http://xxxxxx/NominationsAndForecasts?FromGasDate=2018-07-01&FacilityIds=10000,10001

3.6 HTTPS response format

The submission response from the server consists of two parts: the response status code and the response body. The response status codes returned by the BB are shown in the following table.

Table 3 Response Codes

Code	Response body	Data condition	Description
200	OK	Successful request.	Successful request.

400	{
	"Fault": "<SystemMessageExceptionDump>"
	}
		The service cannot be found for the endpoint reference (EPR) <URI>	The service cannot be found for the endpoint reference (EPR) <URI>

401	{
	"Exception": "Unauthorized:Invalid UserName or Password"
	}
		Invalid credentials.	Invalid credentials, or no username or password in the HTTP request header.

404	{
	"Exception": "Resources for the endpoint URI not found. Endpoint URI: <Resource>"
	}
		Resource not found.	Not found

405	{
	"Exception": "Input request HTTP method is <Invalid Method passed> but operation <Resource Name> accepts only: [<Valid Method>]"
	}
		Invalid Method used (e.g. GET used instead of POST)	Method Not Allowed

422	{
	"data": {},
	"errors": [{
	"code": 73,
	"title": "InvalidBuySell",
	"detail": "BuySell value 24.1 is not valid",
	"source": ""
	}]
	}
		Business validation failure	Unprocessable entity.

500	{
	"Exception": "Application Unavailable"
	}
		e-Hub is operational but downstream systems are not available.	Application Unavailable

503	{
	"Exception": "Service invocation for API was rejected based on policy violation"
	}
		Exceeds throttling limits	Service invocation for API was rejected based on policy violation

	Error message: javax.net.ssl.SSLHandshakeException: Received fatal alert: bad_certificate	SSL Certificate authentication validation failed	

The server returns a Content-Type of application/json, and a JSON formatted string consisting of two fields: status and error. The content of these fields is described in Table 4.

Table 4 Response fields

Field	Data Type	Description
Data	Object	This data object contains all the results of the submission. The properties of the data object are dependent on the service call.

An example of a successful report request response is shown below:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: length
{"data":{}}
```

4 BB Report formats

A BB report is retrieved by using AEMO's web services and sending a HTTP POST request to a valid endpoint URL. The report body is in JSON format.

The examples provided in the following sections only illustrate submission type data in JSON, and does not include header file information. For more information about report headers, see 3.3 HTTPS POST request format.

4.1 Actual Flow and Storage

4.1.1 Description

Transaction report name	GASBB_ACTUAL_FLOW_STORAGE / GASBB_ACTUAL_FLOW _STORAGE_LAST_31
Purpose	The report shows Daily Production, Flow and Storage data aggregated by Facility Id for an outlook period.
Update interval	Daily
Production Frequency	GASBB_ACTUAL_FLOW _STORAGE is updated daily / GASBB_ACTUAL_FLOW _STORAGE_LAST_31 is updated within 30 minutes of receiving new data.
Report Period	GASBB_ACTUAL_FLOW _STORAGE report shows historic records back to Sep 2018. GASBB_ACTUAL_FLOW _STORAGE_LAST_31 shows records from the last 31 days.

4.1.2 Data report format

The following fields are available in the report.

Field name	Description	Data type	Example
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	datetime	2018-09-23 00:00:00
FacilityName	Name of the facility.	varchar (100)	Berwyndale to Wallumbilla Pipeline
State	Name of the state.	char(3)	NSW
LocationId	Unique location identifier	int	520345
LocationName	Name of the location.	varchar (100)	Sydney (SYD)
Demand	Usage type expressed in TJ. Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(15,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
Supply	Usage type expressed in TJ. Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(15,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
TransferIn	Usage type. Only applicable to *BB pipelines.* Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(15,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
TransferOut	Usage type. Only applicable to *BB pipelines.* Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(15,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
HeldinStorage	Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(15,3)	32.232

Field name	Description	Data type	Example
			25.2 (if Actual Quantity is 25.200)
FacilityId	A unique AEMO defined Facility identifier.	int	520345
FacilityType	The type of facility	Varchar(40)	BBGPG, COMPRESSOR, PIPE, PROD, STOR, LNGEXPORT, LNGIMPORT, BBLARGE
CushionGasStorage	The quantity of natural gas that must be retained in the Storage or LNG Import facility in order to maintain the required pressure and deliverability rates	number(15,3)	32.232 25.2 (if Actual Quantity is 25.200)
LastUpdated	The date data was last submitted by a participant based on the report query.	varchar(20)	2018-09-04T00:00:00+10:00

4.1.3 Report filters

Actual Flow and Storage reports in JSON format can be filtered by:

- State
- Facility Type
- Facilities

4.1.4 Example report

The JSON format report displays Facility JSON objects with nested Node JSON objects. Each Node JSON object contains Connection Point JSON objects.

In the following example, a pipeline contains two nodes, one of which contains a connection point.


```
{
    "data": {
        "ActualFlowAndStorageList": [
            {
                "FacilityId": 530038,
                "GasDate": "2018-05-12T00:00:00+10:00"
                "FacilityName": "LNG Storage Dandenong",
                "FacilityType": "STOR",
                "State": VIC,
                "LocationId": 590009,
                "LocationName": "Gippsland",
                "Demand": 45,
                "Supply": 21,
                "TransferIn": 0,
                "TransferOut": 0,
                "HeldInStorage": 2.453,
                "CushionGasStorage": 32.232,
                "LastUpdated": "2018-05-27T14:36:51+10:00"
            },
            {
```

```
            "FacilityId": 530039,
            "GasDate": "2018-05-12T00:00:00+10:00",
            "FacilityName": "Lang Lang Gas Plant",
            "FacilityType": "PROD",
            "State": VIC,
            "LocationId": 590009,
            "LocationName": "Gippsland",
            "Demand": 0,
            "Supply": 1.1,
            "TransferIn": 0,
            "TransferOut": 0,
            "HeldInStorage": null,
            "CushionGasStorage": null,
            "LastUpdated": "2018-05-27T14:36:51+10:00"
        },
        {
            "FacilityId": 530040,
            "GasDate": "2018-05-12T00:00:00+10:00",
            "FacilityName": "Longford Gas Plant",
            "FacilityType": "PROD",
            "State": VIC,
            "LocationId": 590009,
            "LocationName": "Gippsland",
            "Demand": 0,
            "Supply": 1.1,
            "TransferIn": 0,
            "TransferOut": 0,
            "HeldInStorage": null,
            "CushionGasStorage": null,
            "LastChanged": "2018-05-27T14:36:51+10:00"
        },
        {
            "FacilityId": 530048,
            "GasDate": "2018-05-12T00:00:00+10:00",
            "FacilityName": "Longford to Melbourne",
            "FacilityType": "PIPE",
            "State": VIC,
            "LocationId": 590009,
            "LocationName": "Gippsland",
            "Demand": 0,
            "Supply": 0,
            "TransferIn": 2.2,
```

```
                "TransferOut": 6.2,
                "HeldInStorage": null,

                "CushionGasStorage": null,
                "LastUpdated": "2018-05-27T14:36:51+10:00"
            }
        ]
    },
    "errors": []
}
```


4.2 Connection Point Nameplate Rating

4.2.1 Description

Transaction report name	GASBB_CONNECTION_POINT_NAMEPLATE _FUTURE
Purpose	This report displays the nameplate rating for each connection point id connected to a BB pipeline or BB compression facility. This report will be a combination of all submissions for Gate Station Nameplate Rating and Connection Point Nameplate Rating
Production frequency	Daily
Report period	Future records.

4.2.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
ConnectionPointName	Connection Point name where the connection point is associated to a *BB Pipeline* or *BB compression facility*	varchar(200)	Albion Park
ConnectionPointId	A unique AEMO defined connection point identifier.	int	1201001
FacilityName	The facility reported.	varchar(50)	Eastern Gas Pipeline
FacilityId	Unique facility identifier.	int	520047
FacilityType	The type of facility	varchar(40)	COMPRESSOR, PIPE
OwnerName	The reporting facility owner.	varchar(50)	Jemena Eastern Gas Pipeline (1) Pty Ltd
OwnerId	The reporting facility owner ID	bigint	138
OperatorName	Name of the operator for the facility.	varchar(50)	Jemena Eastern Gas Pipeline (1) Pty Ltd
OperatorId	The facility operator's ID	bigint	138
CapacityQuantity	Standing capacity quantity in TJ to three decimal places. Three decimal places is not required if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.2 (if the value is 25.200)
EffectiveDate	Gas day date that corresponding record takes effect. Any time component supplied will be ignored.	datetime	2018-03-23
Description	Reasons or comments directly related to the capacity quantity or the change in quantity provided in relation to a BB facility	Varchar (255)	

Field name	Description	Data type	Example
	and the times, dates, or duration for which those quantities or changes in quantities are expected to apply		
LastUpdated	The date data was last submitted by a participant based on the report query.	varchar(20)	2018-09-04T00:00:00+10:00

4.2.3 Report filters

Connection Point Nameplate Rating reports in JSON format can be filtered by:

- Effective Date
- FacilityIds
- ConnectionPointIds

4.2.4 Example report

```
Response body
{
  "data": {
    "GateStationNameplateRatingList": [
      {
        "ConnectionPointName":”Bomaderry”,
        "ConnectionPointID": 1202002,
        "FacilityName": "Eastern Gas Pipeline",
        "FacilityId": 520047,
        “FacilityType”: “PIPE”,
        “OwnerId”: 138,
        "OwnerName": "Jemena EGP",
        “OperatorId”: 138,
        "OperatorName": "Jemena Eastern Gas Pipeline (1) Pty Ltd",
        "CapacityQuantity": 220.561,
        “Description”: null,
        "EffectiveDate": "2018-03-24T00:00:00+10:00",
        "LastUpdated":
      },
      {
        "ConnectionPointName": “Bombala”,
        "ConnectionPointID": 1202002,
        "FacilityName": "Eastern Gas Pipeline",
        "FacilityId": 520047,
        “FacilityType”: “PIPE”,
        “OwnerId”: 138,
        "OwnerName": "Jemena EGP",
        “OperatorId”: 138,
        "OperatorName": "Jemena Eastern Gas Pipeline (1) Pty Ltd",
```

```
        "CapacityQuantity": 220.561,
        "Description": null,
        "EffectiveDate": "2018-02-23T00:00:00+10:00",
        "LastUpdated": null
      }

    ]
  },
  "errors": null
}
```


4.3 Linepack Capacity Adequacy

4.3.1 Description

Transaction report name	GASBB_LINEPACK_CAPACITY_ADEQUACY_FULL_LIST / GASBB_LINEPACK_CAPACITY_ADEQUACY_FUTURE
Purpose	Provides a report for the Linepack Capacity Adequacy for each Pipeline for the current and next 2 gas days (D to D+2).
Production frequency	Daily GASBB_LINEPACK_CAPACITY_ADEQUACY_FULL_LIST is updated daily / GASBB_LINEPACK_CAPACITY_ADEQUACY_FUTURE is updated within 30 minutes of a submission
Report period	GASBB_LINEPACK_CAPACITY_ADEQUACY_FULL_LIST includes historical and future data / GASBB_LINEPACK_CAPACITY_ADEQUACY_FUTURE includes current and the next 2 Gas Days (D to D+2)

4.3.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	datetime	2018-09-23
FacilityId	A unique AEMO defined Facility identifier.	int	520345
FacilityName	The name of the BB facility.	varchar(255)	Berwyndale to Wallumbilla Pipeline
FacilityType	The type of facility	Varchar(40)	COMPRESSOR, PIPE
Flag	The flags are traffic light colours (Green, Amber, Red) indicating the LCA status for each pipeline. For more information, see the table below.	char(5)	RED;AMBER;GREEN
Description	Free text facility use is restricted to a description for reasons or comments directly related to the change in the LCA flag and the times, dates, or duration for which those changes are expected to apply.	varchar(800)	Compressor outage. 2 week outage.
LastUpdated	The date when the record was last updated.	datetime	2018-02-19

LCA flags for *BB pipelines*

LCA Flag	BB Pipelines	Declared Transmission System	Compression Facility
GREEN	Pipeline is able to accommodate increased gas flows and the conditions for Amber or Red are not met.	Pipeline is able to accommodate increased gas flows and the conditions for Amber or Red are not met.	Compressor is able to accommodate increased gas flows and the conditions for Amber or Red are not met.

LCA Flag	BB Pipelines	Declared Transmission System	Compression Facility
AMBER	Pipeline is flowing at full capacity, but no involuntary curtailment of 'firm' load is likely or happening.	A notice of a threat to system security has been issued indicating that out-of-merit-order gas may be scheduled, but no involuntary curtailment of load is likely or happening.	Compressor is flowing at full capacity, but no involuntary curtailment of 'firm' shippers is likely or happening.
RED	One of the following conditions are met: • Involuntary curtailment of 'firm' load is likely or happening. • Linepack has, or is forecast to, drop below minimum operating levels	'Non-firm' LNG is scheduled or involuntary curtailment of load is likely or happening.	Involuntary curtailment of 'firm' shippers is likely or happening.

4.3.3 Report filters

Linepack Capacity Adequacy reports can be filtered by:

- GasDate
- FacilityId, multiple Facility Ids, or all Facility Ids.

4.3.4 Example report

The following example is a Linepack Capacity Adequacy report for a *BB storage* with Facility Id 530038 during the period 2018-12-01 to 2018-12-03.


```
{
  "data": {
    "LinepackCapacityAdequacyList": [
      {
        "GasDate": "2018-12-01T00:00:00+10:00",
        "FacilityId": 530038,
        "FacilityName": "APLNG Pipeline",
        "FacilityType": "PIPE",
        "Flag": "GREEN",
        "Description": "All OK",
        "LastUpdated": "2018-12-01T09:50:45+10:00"
      },
      {
        "GasDate": "2018-12-02T00:00:00+10:00",
        "FacilityId": 530038,
        "FacilityName": "APLNG Pipeline",
        "FacilityType": "PIPE",
        "Flag": "GREEN",
        "Description": "All OK",
        "LastUpdated": "2018-12-01T09:50:45+10:00"
      },
```

```
      {
        "GasDate": "2018-12-01T00:00:00+10:00",
        "FacilityId": 530038,
        "FacilityName": "APLNG Pipeline",
        "FacilityType": "PIPE",
        "Flag": "GREEN",
        "Description": "All OK",
        "LastUpdated": "2018-12-01T09:50:45+10:00"
      }

    ]
  },
  "errors": null
}
```


4.4 Locations

4.4.1 Description

Transaction report name	GASBB_LOCATIONS_LIST
Purpose	This report lists all production and demand locations within the Bulletin Board system.
Production frequency	Daily
Report period	Current records.

4.4.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
Location Name	Name of the Location.	varchar(1040)	Sydney (SYD)
Location Id	Unique Location identifier.	int	520345
State	Location	char(3)	NSW
LocationType	Type of location	Varchar(40)	Head office
Description	Free text description of the Location including boundaries and the basis of measurement.	varchar(800)	Sydney Basin
Last Updated	Date the list of locations was last updated.	Date	2018-9-20 16:15:18

4.4.3 Example report


```
{
  "data": {
    "LocationsList": [
{
      "LocationName": "Adelaide",
      "LocationId": 550016,
      "LocationType": STANDARD,
```

```
      "StateId": "SA",
      "Description": "Connections within Adelaide STTM",
      "LastUpdated": "2018-9-20T16:15:18+10:00"
       },
{
      "Location Name": "Adelaide",
      "LocationId": 550016,
      "LocationType": STANDARD,
      "StateId": "SA",
      "LocationDescription": "Connections within Adelaide STTM",
      "LastUpdated": "2018-9-20T16:15:18+10:00"
       },
{
      "Location Name": "Canberra",
      "LocationId": 520009,
      "LocationType": STANDARD,
      "StateId": "NSW",
      "LocationDescription": "Connections in the Canberra region",
      "LastUpdated": "2018-9-20T16:15:18+10:00"
       },
{
      "Location Name": "Ballera",
      "LocationId": 540078,
      "LocationType": STANDARD,
      "StateId": "QLD",
      "LocationDescription": "SWQP connection to CGP
      "LastUpdated": "2018-9-20T16:15:18+10:00"
       }
          ]
  },
  "errors": null
}
```


4.5 Medium Term Capacity Outlook

4.5.1 Description

Transaction report name	GASBB_MEDIUM_TERM _OUTLOOK_FULL_LIST / GASBB_MEDIUM_TERM _OUTLOOK_FUTURE
Purpose	Provides a report of the Capacity Outlook for the medium term to identify possible impact to future supply.
Production frequency	GASBB_MEDIUM_TERM _OUTLOOK_FULL_LIST is updated daily / GASBB_MEDIUM_TERM _OUTLOOK_FUTURE is updated within 30 minutes of receiving new data.
Report period	GASBB_MEDIUM_TERM _OUTLOOK_FULL_LIST contains historic and future outlooks / GASBB_MEDIUM_TERM _OUTLOOK_FUTURE contains the current and future outlooks.

4.5.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
FacilityId	Unique plant identifier.	Int	520345
FacilityName	Name of the plant.	varchar(255)	Berwyndale to Wallumbilla Pipeline
FromGasDate	Date of gas day. Any time component supplied is ignored. The gas day is applicable under the pipeline contract or market rules.	datetime	2018-09-23
ToGasDate	Date of gas day. Any time component supplied is ignored. The gas day is that applicable under the pipeline contract or market rules.	datetime	2018-09-23
CapacityType	Capacity type values can be: STORAGE — Holding capacity in storage; or MDQ — Daily maximum firm capacity under the expected operating conditions.	varchar(20)	STORAGE; MDQ
OutlookQuantity	Capacity outlook quantity in TJ to three decimal places. Three decimal places is not required if the value has trailing zeros after the decimal place.	number(18,3)	200.531 190.2 (if the value is 190.200)
FlowDirection	Gas flow direction. Values can be either: Receipt: The flow of gas into the *BB storage facility* or LNG import Delivery: The flow of gas out of the *BB storage facility* or LNG export Processed: The flow direction type only used for capacities. For LNG export, it represents the amount of gas that can be processed to a liquefied state on a gas day. For LNG import, it represents the amount of gas that can be received and processed into storage on a gas day. Delivery LNG Storage: The flow direction type only used for capacities. For LNG import, it represents the amount of gas withdrawn for storage for processing to a gaseous state on a gas day.	char(20)	RECEIPT; DELIVERY; PROCESSED; DELIVERYLNGSTOR
CapacityDescription	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information. Will only be shown for Pipelines, Compression facilities and may be shown for LNGImport facilities.	varchar(1000)	2018-09-23
ReceiptLocation	The Connection Point Id that best represents the receipt location. The Receipt Location in conjunction with the Delivery Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1200001 -1 (for *BB facilities* other than *BB pipelines*)
ReciptLocationName	The name of the receipt location	varhar(200)	Berwyndale Entry Delivery Stream
DeliveryLocation	The Connection Point Id that best represents the delivery location. This location in conjunction with the Receipt Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1300056 -1 (for *BB facilities* other than *BB pipelines*)
DeliveryLocationName	The name of the delivery location	varhar(200)	Silver Springs Delivery Stream
Description	Comments about the quantity or change in Outlook Quantity relating to the Facility Id, and the times, dates, or duration which those quantities or changes in quantities.	varchar(1000)	EGP from Longford to Horsley Park, compressor outage. 2 week outage.

Field name	Description	Data type	Example
LastUpdated	Date and time record was last modified.	Datetime	2022-08-11

4.5.3 Report filters

Reports in JSON format can be filtered by:

- Facility Id, multiple values, or all facilities
- From Gas Date
- To Gas Date
- Capacity Type

4.5.4 Example reports


```
{
  "data": {
    "MediumTermCapacityOutlookList": [
{
      "FromGasDate": "2018-06-22T00:00:00+10:00",
      "ToGasDate": "2018-06-30T00:00:00+10:00",
      "FacilityId": 540066,
      "FacilityName": "Berwyndale to Wallumbilla Pipeline",
      "CapacityType": "MDQ",
      "CapacityTypeDescription":"This transmission capacity is the amount of gas that the Culcairn delivery point is able to withdraw from this pipeline facility. This capacity is dependent on the forecast DTS demand and the availability of key assets on this pipeline facility",
      "OutlookQuantity": 100.522,
"FlowDirection": "RECEIPT",
      "CapacityDescription": "This transmission capacity is the amount of gas that the Culcairn delivery point is able to withdraw from this pipeline facility. This capacity is dependent on the forecast DTS demand and the availability of key assets on this pipeline facility",
      "ReceiptLocationName": "Berwyndale Entry Delivery Stream",
      "ReceiptLocation": 1200001,
      "DeliveryLocationName": "Silver Springs Delivery Stream",
      "DeliveryLocation": 1300004,
      "Description": "Corrective maintenance requiring reduction of operating pressure",
      "LastUpdated": "2018-05-01"
      },
       {
      "FromGasDate": "2018-06-22T00:00:00+10:00",
      "ToGasDate": "2018-06-30T00:00:00+10:00",
      "FacilityId": 540066,
      "FacilityName": "Berwyndale to Wallumbilla Pipeline",
```

```
      "CapacityType": "MDQ",
      "OutlookQuantity": 67.801,
"FlowDirection": "DELIVERY",
      "CapacityDescription": "This transmission capacity is the amount of gas that the
Culcairn delivery point is able to withdraw from this pipeline facility. This capacity
is dependent on the forecast DTS demand and the availability of key assets on this
pipeline facility",
      "ReceiptLocationName": "Berwyndale Entry Delivery Stream",
      "ReceiptLocation": 1200001,
      "DeliveryLocationName": "Silver Springs Delivery Stream",
      "DeliveryLocation": 1300004,
      "Description": "Reversal of previous entry",
      "LastUpdate": "2018-05-01"
     }
    ]
  },
  "errors": null
}
```


4.6 Nameplate Rating

4.6.1 Description

Transaction report name	GASBB_NAMEPLATE_RATING_FULL_LIST / GASBB_NAMEPLATE_RATING_CURRENT
Purpose	This report displays the standing nameplate capacity of all *BB facilities* and *BB compression facility*. Nameplate rating relates to maximum daily quantities in TJ under normal operating conditions.
Production frequency	GASBB_NAMEPLATE_RATING_FULL_LIST is updated annually / GASBB_NAMEPLATE_RATING_CURRENT is updated within 30 minutes of receiving new data.
Report period	GASBB_NAMEPLATE_RATING_FULL_LIST contains historical records / GASBB_NAMEPLATE_RATING_CURRENT contains the current nameplate.

4.6.2 Data report format

The following fields are provided in the report.

Data element	Description	Data type	Example / Allowed values
FacilityName	Facility name associated with the Facility Id.	varchar(100)	APLNG Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
FacilityType	Facility type associated with the Facility Id.	varchar(40)	PIPE; PROD; STOR
CapacityType	Capacity type can be either: • Storage: Holding capacity in storage, or • MDQ: Daily maximum firm capacity (name plate) under the expected operating conditions adjusted for any facility that is 'mothballed', decommissioned or down-rated and / or cannot be recalled within 1 week, planned maintenance excepted. Reflects any long terms changes (greater than 12 months).	varchar(20)	STORAGE; MDQ

Data element	Description	Data type	Example / Allowed values
CapacityQuantity	Standing capacity quantity in TJ to three decimal places. Three decimal places is not required if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.5 (if the value is 25.500)
FlowDirection	Gas flow direction. Values can be either: Receipt: The flow of gas into the *BB storage facility* or LNG export Delivery: The flow of gas out of the *BB storage facility* or LNG import Processed: The flow direction type only used for capacities. For LNG export, it represents the amount of gas that can be processed to a liquefied state on a gas day. For LNG import, it represents the amount of gas that can be received and processed into storage on a gas day. Delivery LNG Storage: The flow direction type only used for capacities. For LNG import, it represents the amount of gas withdrawn from storage for processing to a gaseous state on a gas day. NONE – will be displayed for all other *BB facilities* and *BB compression facilities*.	varchar(20)	RECEIPT; DELIVERY; PROCESSED; DELIVERYLNGSTOR; NONE;
CapacityDescription	Free text to describe the meaning of the capacity number provided, including relevant assumptions made in the calculation of the capacity number and any other relevant information. Only provided for *BB pipelines* or *BB compression facilities*.	varchar(1000)	This transmission capacity is the amount of gas that the Culcairn delivery point is able to withdraw from this pipeline facility
ReceiptLocation	The Connection Point Id that best represents the receipt location. The Receipt Location in conjunction with the Delivery Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1200001 -1 (for *BB facilities* other than *BB pipelines*)
ReceiptLocationName	The name of the receipt location	varhar(200)	DDP to APLNG Pipeline
DeliveryLocation	The Connection Point Id that best represents the delivery location. This location in conjunction with the Receipt Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1300056 -1 (for *BB facilities* other than *BB pipelines*)
DeliveryLocationName	The name of the delivery location	varhar(200)	Curtis Island
EffectiveDate	Gas day date that corresponding record takes effect. Any time component supplied will be ignored.	Datetime	2018-03-23
Description	Free text facility use is restricted to a description for reasons or comments directly related to the quantity or the change in quantity provided in relation to a *BB facility* (such as daily production data, nameplate rating, *LCA flag*, etc.), and the times, dates, or duration for which those quantities or changes in quantities are expected to apply.	varchar(1000)	increase in nameplate pipeline capacity due to completion of VNIE Phase B
LastUpdated	Date and time record was last updated.	Datetime	2016-10-23 19:58:58

Report filters

4.6.3 Nameplate Rating reports in JSON format can be filtered by:

- Effective Date
- Capacity Types
- Facility Id

- Facility Types
- Flow Directions

4.6.4 Example report

```
Response body
{
  "data": {
    "NameplateRatingList": [
      {
        "FacilityId": 530043,
        "FacilityName": "APLNG Pipeline",
        "FacilityType": "PIPE",
        "CapacityType": "MDQ",
        "CapacityQuantity": "1560.321",
        "FlowDirection": "RECEIPT",
        "CapacityDescription": " This transmission capacity is the amount of gas that
the Culcairn delivery point is able to withdraw from this pipeline facility ",
        "ReceiptLocation": 1300502,
        "ReceiptLocationName": "DDP to APLNG Pipeline",
        "DeliveryLocation": 1300405,
        "DeliveryLocationName": "Curtis Island",
        "EffectiveDate": "2018-09-04T00:00:00+10:00",
        "Description": "increase in nameplate pipeline capacity due to completion of
VNIE Phase B",
        "LastUpdated": "2018-09-04",
      },
    ]
  },
  "errors": null
}
```

4.7 Nominations and Forecasts

4.7.1 Description

Transaction report name	GASBB_NOMINATION_AND_FORECAST / GASBB_NOMINATION_AND_FORECAST_NEXT_7
Purpose	The report shall return Nomination and Forecast data submitted to the market . Nomination and Forecasts data shall be aggregated by *BB facility*.
Production frequency	GASBB_NOMINATION_AND_FORECAST is updated daily. GASBB_NOMINATION_AND_FORECAST_NEXT_7 is typically updated within 30 minutes of receiving new data
Report period	GASBB_NOMINATION_AND_FORECAST report contain historical data as well as nominations for D+0, D+1, D+2, D+3, D+4, D+5, and D+6. GASBB_NOMINATION_AND_FORECAST_NEXT_7 report covers the outlook period of D+0, D+1, D+2, D+3, D+4, D+5, and D+6.

4.7.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day.	Datetime	2018-09-23
FacilityName	The name of the BB facility.	varchar (100)	Berwyndale to Wallumbilla Pipeline
FacilityType	Facility type associated with the Facility Id.	varchar(40)	PIPE; PROD; STOR; COMPRESSOR; LNGIMPORT
State	Name of the state.	char(3)	NSW
LocationName	Name of the location.	varchar (100)	Sydney (SYD)
Demand	Usage type expressed in TJ. Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
Supply	Usage type expressed in TJ. Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
TransferIn	Usage type expressed in TJ. Only applicable to *BB pipelines.* Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
TransferOut	Usage type expressed in TJ. Only applicable to *BB pipelines.* Three decimal places is not shown if the value has trailing zeros after the decimal place.	number(18,3)	32.232 25.2 (if Actual Delivery Quantity is 25.200)
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
LocationId	Unique location identifier	Int	520345
LastUpdated	Date file was last updated.	Datetime	2018-09-04T00:00:00+10:00

4.7.3 Report filters

Nomination and Forecasts report in JSON format can be filtered by:

- Gas Date
- FacilityId.
- LocationId

The report output contains the latest submission for that gas day. For requested past dates, this is the day ahead or on-the-day nominations and forecast submission. For future dates, the output is the latest nominations and forecast submission.

4.7.4 Example report


```
{
  "data": {
      "NominationsAndForecastsList": [
          {
              "GasDate": "2018-05-12T00:00:00+10:00",
              "FacilityId": 530042,
              "FacilityName": "Iona Underground Gas Storage",
              "FacilityType": "STOR",
              "LocationId": 590009,
```

```
                "LocationName": "Gippsland",
                "State": "VIC",
                "Demand": 5,
                "Supply": 10,
                "TransferIn": 0,
                "TransferOut": 0,
                "LastUpdated": "2018-05-27T14:36:51+10:00"
            },
            {
                "GasDate": "2018-05-12T00:00:00+10:00",
                "FacilityId": 530043,
                "FacilityName": "Minerva Gas Plant",
                "FacilityType": "PROD",
                "LocationId": 590009,
                "LocationName": "Gippsland",
                "State": "VIC",
                "Demand": 0,
                "Supply": 3,
                "TransferIn": 0,
                "TransferOut": 0,
                "LastUpdated": "2018-05-27T14:36:51+10:00"

            },
            {
                "GasDate": "2018-05-12T00:00:00+10:00",
                "FacilityId": 530051,
                "FacilityName": "South West Pipeline",
                "FacilityType": "PIPE",
                "LocationId": 590009,
                "LocationName": "Gippsland",
                "State": "VIC",
                "Demand": 0,
                "Supply": 0,
                "TransferIn": 3,
                "TransferOut": 5,
                "LastUpdated": "2018-05-27T14:36:51+10:00"
            }
        ]
    },
    "errors": []
}
```

4.8 Pipeline Connection Flow

4.8.1 Description

Transaction report name	GASBB_PIPELINE_CONNECTION_FLOW / GASBB_PIPELINE_CONNECTION_FLOW_LAST_31
Purpose	Provides a report for the Daily production and usage at each Connection Point.
Production Frequency	GASBB_PIPELINE_CONNECTION_FLOW is updated daily. GASBB_PIPELINE_CONNECTION_FLOW_LAST_31 is typically updated within 30 minutes of receiving new data
Report Period	GASBB_PIPELINE_CONNECTION_FLOW contains historical data from Sep 2018 GASBB_PIPELINE_CONNECTION_FLOW_LAST_31 contains data from the last 31 days.

4.8.2 Data report format

The following fields are available in each row of the report.

Field name	Description	Data type	Example
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	datetime	2018-09-23 00:00:00
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
FacilityName	Name of the facility.	varchar (100)	Berwyndale to Wallumbilla Pipeline
ConnectionPointId	A unique AEMO defined connection point identifier.	Int	1200001
ConnectionPointName	Names of the connection point.	varchar (100)	Longford
FlowDirection	A conditional value of either: RECEIPT — A flow of gas into the *BB pipeline*, or DELIVERY — A flow of gas out of the *BB pipeline*.	varchar(100)	RECEIPT; DELIVERY
ActualQuantity	The actual flow quantity reported in TJ to the nearest terajoule with three decimal places.	number (18,3)	32.232 25.2 (if Actual Quantity is 25.200)
State	Location.	varchar(5)	NSW
LocationName	Name of the Location.	varchar(100)	Sydney (SYD)
LocationId	Unique Location identifier.	int	520345
Quality	Indicates whether meter data for the submission date is available. Values can be either: OK — Connection point Actual Quantity data for gas flow into or out of a BB facility based on meter data, or NIL — Connection Point Actual Quantity data for gas flow into or out of a BB facility cannot be determined due to an operational issue. OOR — Connection Point Actual Quantity data is OOR (Out of Range) where the submitted value exceeds the High Range set for a Connection Point's Capacity. Not Available — Connection Point Actual Quantity data for the gas flow into or out of the *BB facility* has not been submitted by the *BB reporting entity* for the gas date.	varchar(100)	OK; NIL; OOR, Not Available
LastUpdated	The date data was last submitted by the participant	Datetime	2018-09-04 00:00:00

4.8.3 Report filters

Pipeline Connection Flow reports in JSON format can be filtered by:

- Gas Date
- Facility Id

4.8.4 Example report


```
{
  "data": {
    "PipelineConnectionPointFlowList": [
      {
        "GasDate": 2018-04-18T00:00:00+10:00,
        "FacilityId": 540093,
        "FacilityName": "Berwyndale to Wallumbilla Pipeline",
        "ConnectionPointId": 1201001,
        "ConnectionPointName": "Longford",
        "FlowDirection": "RECEIPT",
        "ActualQuantity": "123.122",
        "State": "QLD",
        "LocationName": "Regional – QLD",
        "LocationId": 590001
        "Quality": "OK",
        "LastUpdated": "2018-04-18T00:00:00+10:00"
      }
    ]
  },
  "errors": null
}
```


4.9 Contact Details

4.9.1 Description

Transaction report name	GASBB_CONTACTS_LIST
Purpose	Provides a report of registered contact details for each participant.
Update interval	Daily
Report period	Current records.

4.9.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
PersonId	Person unique identifier	Int	123456
PersonName	Name of the person	varchar(255)	John Smith

Field name	Description	Data type	Example
CompanyName	Company name associated with the person.	varchar(050)	Bolder Mining Company
CompanyId	Company ID associated with the person	Int	13
Position	Job title of person.	varchar(40)	Energy Procurement Manager
Email	Email address of person.	varchar(255)	john.smith@boldermining.com.au
Last Updated	Date and time the record was last modified.	datetime	2018-08-14

4.9.3 Example report


```
{
  "data": {
    "RegisteredContactsList": [
      {
       "PersonId": 123456,
       "PersonName": "John Smith",
       "CompanyId": 139,
       "CompanyName": "Australian Energy Market Operator",
        "Position": "Manager Mkt Ops",
        "Email": "john.smith@gasco.com.au",
        "LastUpdated": "2018-08-14T00:00:00+10:00",
      }
    ]
  },
  "errors": null
}
```


4.10 Participants

4.10.1 Description

Transaction report name	GASBB_PARTICIPANTS_LIST
Purpose	Provides a report of registered participants
Update interval	Daily
Report period	Current records

4.10.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
Company Name	Company name associated with the person.	varchar (50)	AGL
Company Id	Company ID associated with the person	Int	261
OrganisationTypeName	The type of organisation	Varchar(40)	BB Reporting Entity
ABN	Australian Business Number for the participant	varchar(30)	99006005989
Company Phone	Company phone details	varchar(30)	03 9609 8000

Field name	Description	Data type	Example
Locale	Location for the participant	varchar (40)	Hawthorn
Last Updated	Last changed details	Datetime	2018-12-20
Address Type	Type of address	varchar(40)	Head office
Address	Mailing address for the company	varchar(120)	530 Collins St Melbourne
State	State where the company is located	Char(5)	VIC,NSW,QLD,SA,TAS
Postcode	Postcode details	varchar(4)	3001
Company Fax	Company fax details	varchar(30)	03 9234 8766

4.10.3 Example report


```
{
 "data": {
   "RegisteredParticipantsList": [
     {
       "CompanyName": "Australian Energy Market Operator",
       "CompanyId": 139,
       "OrganisationTypeName":"BB Reporting Entity",
       "ABN": "99006005989",
       "Company Phone": "03 9609 8000",
       "Locale": "Melbourne",
       "LastUpdated": "2018-12-20T00:00:00+10:00",
       "AddressType": "Head Office",
       "Address": "GPO Box 2008 Melbourne",
       "State": "VIC",
       "Postcode": "3001",
       "CompanyFax": "03 9609 8080"
     }
   ]
 },
 "errors": null
}
```


4.11 Shippers List

4.11.1 Description

Transaction report name	GASBB_SHIPPERS_LIST / GASBB_SHIPPERS_FULL_LIST
Purpose	A list shippers who have contracted primary Storage, Compression or Pipeline capacity.
Update interval	Daily
Report period	GASBB_SHIPPERS_LIST contains current records / GASBB_SHIPPERS_FULL_LIST includes historic records

4.11.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
EffectiveDate	Gas date that corresponding record takes effect.	datetime	2018-02-23
FacilityId	A unique AEMO defined Facility Identifier.	int	520345
FacilityName	The name of the BB facility.	varchar(255)	Berwyndale to Wallumbilla Pipeline
FacilityType	The type of facility	Varchar(40)	COMPRESSOR, PIPE, STOR
CompanyId	Unique identifier for the company who operates the facility	Int	94
OperatorName	The name of the company who operates the facility	Varchar(50)	APA Group
ShipperName	The name of the shipper who holds the capacity	Varchar(20)	AGL Wholesale Gas Limited
LastUpdated	The date data was last submitted	Datetime	2018-09-04 00:00:00

4.12 Short Term Capacity Outlook

4.12.1 Description

Transaction report name	GASBB_SHORT_TERM_CAPACITY_OUTLOOK / GASBB_SHORT_TERM_CAPACITY_OUTLOOK_FUTURE
Purpose	This report displays the expected daily capacity of a BB facility for the next seven days
Update Interval	GASBB_SHORT_TERM_CAPACITY_OUTLOOK is updated daily. GASBB_SHORT_TERM_CAPACITY_OUTLOOK_FUTURE is typically updated within 30 minutes of receiving new data.
Report period	GASBB_SHORT_TERM_CAPACITY_OUTLOOK contains historic outlooks. GASBB_SHORT_TERM_CAPACITY_OUTLOOK_FUTURE contains data in the seven day outlook window.

4.12.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2018-02-23
FacilityId	A unique AEMO defined Facility Identifier.	Int	520345
FacilityName	The name of the BB facility.	varchar(100)	Berwyndale to Wallumbilla Pipeline
CapacityType	Capacity type values can be: STORAGE — Holding capacity in storage; or MDQ — Daily maximum firm capacity under the expected operating conditions.	varchar(20)	STORAGE; MDQ
CapacityTypeDescription	Description of the Capacity Type	Varchar(800)	Daily maximum firm capacity under the expected operating conditions
OutlookQuantity	Capacity outlook quantity to three decimal places. Three decimal places is not required if the value has trailing zeros after the decimal place.	number(18,3)	1234.500 25.2 (if the value is 25.200)
FlowDirection	Gas flow direction. Only valid for *BB storage, LNG export, or LNG import facilities.* Flow Direction can be:	varchar(20)	RECEIPT; DELIVERY; PROCESSED; DELIVERYLNGSTOR

Field name	Description	Data type	Examples
	Receipt: The flow of gas into the *BB storage or LNG export facility* Delivery: The flow of gas out of the *BB storage or LNG import facility*. Processed: Flow direction type used by LNG Export and LNG Import facilities. For LNG export, it represents the amount of gas that can be processed to a liquefied state on a gas day. For LNG import, it represents the amount of gas that can be received and processed into storage on a gas day. DeliveryLngStor: Flow direction type used by LNG import facility. It represents the amount of gas that can be withdrawn from storage for processing to a gaseous state on a gas day.		
CapacityDescription	Free text to describe the meaning of the capacity number provided, including a description of material factors that impact the capacity number and any other relevant information. Only valid for *BB pipeline and BB compression facilities*.	varchar(1000)	Longford to Horsley Park via EGP
ReceiptLocation	The Connection Point Id that best represents the receipt location. The Receipt Location in conjunction with the Delivery Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1200001 -1 (for *BB facilities* other than *BB pipelines*)
DeliveryLocation	The Connection Point Id that best represents the delivery location. This location in conjunction with the Receipt Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1300056 -1 (for *BB facilities* other than *BB pipelines*)
ReceiptLocation Name	A description of the Receipt Location. Only valid for *BB pipelines*.	varchar(200)	Silver Springs Delivery Stream
DeliveryLocation Name	A description of the Delivery Location. Only valid for *BB pipelines*.	varchar(200)	BWP from SWQP (Wallumbilla) Delivery Stream
Description	Comments about the quantity or change in Flow Direction relating to the Facility Id, and the times, dates, or duration which those quantities or changes in quantities.	varchar(1000)	EGP from Longford to Horsley Park, compressor outage. 2 week outage.
LastUpdated	Date the record was last modified.	datetime	2018-02-23

4.12.3 Report filters

Short Term Capacity Outlook reports in JSON format can be filtered by:

- Gas Date
- Facility ID
- Capacity Type
- Flow Direction

4.12.4 Example report

```
Response body

{
```

```
  "data": {
    "ShortTermCapacityOutlookList": [
      {
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "STORAGE",
        "CapacityTypeDescription": "Holding capacity in storage",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-03T00:00:00+10:00",
        "OutlookQuantity": 237.525,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "29 July 2018 14:17:21"
      },
      {
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "STORAGE",
        "CapacityTypeDescription": "Holding capacity in storage",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-04T00:00:00+10:00",
        "OutlookQuantity": 240.938,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "29 July 2018 14:17:21"
      },
      {
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "MDQ",
        "CapacityTypeDescription": "Daily maximum firm capacity under the expected
operating conditions",
        "FlowDirection": "DELIVERY",
```

```
        "GasDate": "2017-12-05T00:00:00+10:00",
        "OutlookQuantity": 238.941,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "2 July 2018 11:17:21"
      },
      {
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "MDQ",
        "CapacityTypeDescription": "Daily maximum firm capacity under the expected
operating conditions",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-06T00:00:00+10:00",
        "OutlookQuantity": 238,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "2 June 2018 14:22:21"
      },
      {
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "MDQ",
        "CapacityTypeDescription": "Daily maximum firm capacity under the expected
operating conditions",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-07T00:00:00+10:00",
        "OutlookQuantity": 236.1,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
```

```
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "29 July 2018 14:17:21"
      },
{
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "MDQ",
        "CapacityTypeDescription": "Daily maximum firm capacity under the expected
operating conditions",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-08T00:00:00+10:00",
        "OutlookQuantity": 14.331,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "29 July 2018 14:17:21"
      },
{
        "FacilityId": 530038,
        "FacilityName": "LNG Storage Dandenong",
        "CapacityType": "MDQ",
        "CapacityTypeDescription": "Daily maximum firm capacity under the expected
operating conditions",
        "FlowDirection": "DELIVERY",
        "GasDate": "2017-12-09T00:00:00+10:00",
        "OutlookQuantity": 237.981,
        "Description": "This capacity is the amount of gas that this storage facility
can inject into the Victorian Declared Transmission System",
        "CapacityDescription": null,
        "ReceiptLocation": null,
        "ReceiptLocationName": null,
        "DeliveryLocation": null,
        "DeliveryLocationName": null,
        "LastUpdated": "29 July 2018 14:17:21"
      }

    ]
  },
```

```
  "errors": null
}
```

4.13 Uncontracted Capacity Outlook Report

4.13.1 Description

Transaction report name	GASBB_UNCONTRACTED_CAPACITY_FULL_LIST / GASBB_UNCONTRACTED_CAPACITY_FUTURE
Purpose	Provides a report of the Uncontracted primary firm capacity outlook on BB pipelines, BB storage, BB compression, BB Production and LNG import facilities for the next 36 months
Update interval	GASBB_UNCONTRACTED_CAPACITY_FULL_LIST is updated monthly/ GASBB_UNCONTRACTED_CAPACITY_FUTURE is generally updated within 30 minutes of receiving new data
Report period	GASBB_UNCONTRACTED_CAPACITY_FULL_LIST contains historical records / GASBB_UNCONTRACTED_CAPACITY_FUTURE contains only future looking outlooks

4.13.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
FacilityId	Unique plant identifier.	Int	520345
Facility Name	Name of the plant.	varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityType	Facility type associated with the Facility Id.	varchar(40)	PIPE; PROD; STOR; COMPRESSOR; LNGIMPORT
OutlookMonth	The month that the uncontracted capacity is available.	Int	04
OutlookYear	The year that the uncontracted capacity is available.	Int	2018
CapacityType	Capacity type can be either: • Storage: Holding capacity in storage, or • MDQ: Uncontracted primary firm capacity on the BB facility that the BB provider/operator has available for sale or that it will have available for sale: – For a BB storage facility, this is primary firm capacity for storage in the BB storage facility; primary firm capacity for injection of gas into the BB storage facility; and primary firm capacity for withdrawal of gas from the BB storage facility. – For an LNG import facility, the primary firm capacity for storage in the LNG import facility; and the primary firm capacity for regasification by the LNG import facility, – For any other BB facility this is the primary firm capacity of the facility.: Daily maximum firm capacity (name	varchar(20)	STORAGE; MDQ
OutlookQuantity	Outlook Quantity as the daily average quantity across the monthin TJ to three decimal places. Three decimal places is not required if the value has trailing zeros after the decimal place.	number(18,3)	200.531 190.2 (if the value is 190.200)
FlowDirection	Gas flow direction. Values can be either: RECEIPT — A flow of gas into the *BB facility*, or DELIVERY — A flow of gas out of the *BB facility*.	varchar(20)	RECEIPT; DELIVERY
CapacityDescription	Free text to describe the meaning of the capacity number provided, including a description of material	varchar(1000)	2018-09-23

Field name	Description	Data type	Example
	factors that impact the capacity number and any other relevant information.		
ReceiptLocation	The Connection Point Id that best represents the receipt location. The Receipt Location in conjunction with the Delivery Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1200001 -1 (for *BB facilities* other than *BB pipelines*)
ReceiptLocationName	The name of the receipt location	Varchar(200)	Berwyndale Entry Delivery Stream
DeliveryLocation	The Connection Point Id that best represents the delivery location. This location in conjunction with the Receipt Location indicates the capacity direction and location. **Note**: Applicable to *BB pipelines* only. For other *BB facilities*, this field is populated with -1.	Int	1300056 -1 (for *BB facilities* other than *BB pipelines*)
DeliveryLocationName	The name of the delivery location	Varchar(200)	Silver Springs Delivery Stream
Description	Comments about the quantity or change in Outlook Quantity relating to the Facility Id, and the times, dates, or duration which those quantities or changes in quantities.	varchar(1000)	Tipton Uncontracted capacity description
LastUpdated	Date and time record was last modified.	Datetime	2018-04-20

4.13.3 Report Filters

Reports in JSON format can be filtered by:

- Facility Id, multiple Facility Id values, or all facilities
- Outlook Month
- Outlook Year
- Capacity Type

4.13.4 Example report


```
{
  "data": {
    "UncontractedCapacityOutlookList": [
{
      "FacilityId": 540066,
      "FacilityName": "Berwyndale to Wallumbilla Pipeline",
      "FacilityType": "PIPE",
      "OutlookMonth": 02,
      "OutlookYear": 2018,
      "CapacityType": "MDQ",
      "OutlookQuantity": 100.522,
"FlowDirection": null,
      "CapacityDescription": "Capacity From BWP to SWQP facility",
      "ReceiptLocation": 1200001,
      "ReceiptLocationName": "Berwyndale Entry Delivery Stream",
      "DeliveryLocation": 1300004,
```

```
      "DeliveryLocationName": "Silver Springs Delivery Stream",
      "Description": "Capacity Outlook for 2018-02-19",
      "LastUpdated": "2018-02-21"
      },
       {
      "GasDate": "2018-06-22T00:00:00+10:00",
      "FacilityId": 540066,
      "FacilityName": "Berwyndale to Wallumbilla Pipeline",
      "FacilityType": "PIPE",
      "OutlookMonth": 03,
      "OutlookYear": 2018,
      "CapacityType": "MDQ",
      "OutlookQuantity": 67.801,
"FlowDirection": null,
      "CapacityDescription": "Capacity From BWP to SWQP facility",
      "ReceiptLocation": 1200001,
      "ReceiptLocationName": "Berwyndale Entry Delivery Stream",
      "DeliveryLocation": 1300004,
      "DeliveryLocationName": "Silver Springs Delivery Stream",
      "Description": "Capacity Outlook for 2018-03-21",
      "LastUpdated": "2018-02-21"
     }
    ]
  },
  "errors": null
}
```


4.14 LNG Shipments

4.14.1 Description

Transaction report name	GASBB_LNG_EXPO_IMPO_SHIPMENTS
Purpose	This report displays a list of all LNG shipments
Update Interval	Monthly
Report period	Contains all LNG Shipments

4.14.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
TransactionId	Unique shipment identifier	Varchar(40)	123456
FacilityId	Unique facility identifier.	Int	123456
FacilityName	Name of the facility	Varchar(100)	ABC LNG
VolumePJ	Volume of the shipment in PJ	Numeric(10,3)	2.345

Field name	Description	Data type	Examples
ShipmentDate	For LNG export facility, the departure date. For LNG import facility, the date unloading commences at the LNG import facility	Datetime	2022-04-20
VersionDateTime	Time a successful submission is accepted by AEMO systems	Datetime	2022-04-20

4.14.3 Example report

```
{
  "data": {
    "LNGShipmentsList": [
{
      "TransactionId": 123456
"FacilityId": 540066,
      "FacilityName": "Berwyndale to Wallumbilla Pipeline",
      "VolumePJ": 2.345,
      "ShipmentDate": "2022-04-20",
      "VersionDateTime": "2022-04-20"
     }
    ]
  },
  "errors": null
}
```

4.15 Facility Developments

4.15.1 Description

Transaction report name	GASBB_FACILITYDEVELOPMENTS
Purpose	This report displays a list of all Facility Developments
Production frequency	Generally updated within 30 minutes of receiving new data
Report period	Contains all current Facility Developments

4.15.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
DevFacilityId	A unique AEMO defined Development Facility Identifier	Int	123456
ProposedName	The name of the Facility development	Varchar(100)	Austral LNG
EffectiveDate	The effective date of the submission	Datetime	2022-04-20
FacilityType	The facility development type	Varchar(40)	LNGExport
MinNameplate	The lower estimate of nameplate rating capacity	Numeric(18,3)	111.321
MaxNameplate	The upper estimate of nameplate rating capacity	Numeric(18,3)	143.321
Location	The location of the development facility	Varchar(200)	Sydney

Field name	Description	Data type	Examples
PlannedCommissionFrom	The planned start date of commissioning	Varchar(7)	2022-05-20
PlannedCommissionTo	The planned end date of commissioning	Varchar(7)	2022-09-20
DevelopmentStage	The current stage of the development facility being, PROPOSED, COMMITTED, CANCELLED, ENDED	Varchar(200)	PROPOSED; COMMITTED; CANCELLED; ENDED
RelatedFacilityId	Any facility ID's related to the development facility	Int	123456
RelatedFacilityName	The name of any facility ID's related to the development facility	Varchar(100)	LNG Storage Dandenong
Comments	Any additional comments included in the submission	Varchar(400)	Backhaul capacity will be 24TJ/day
ReportingEntity	The entity who is reporting for the facility development	Varchar(30)	

4.15.3 Example report


```
{
  "data": {
    "FacilityDevelopmentsList": [
{
      "DevFacilityId": 123456,
"ProposedName": "Austral LNG",
      "EffectiveDate": "2022-04-20",
      "FacilityType": "LNGExport",
      "MinNameplate": 111.321,
      "MaxNameplate": 143.321,
      "Location": "Sydney",
      "PlannedCommissionFrom": "2022-05-20",
      "PlannedCommissionTo": "2022-09-20",
      "DevelopmentStage": "PROPOSED",
      "RelatedFacilityId": 123456,
      "RelatedFacilityName": "LNG Storage Dandenong",
      "Comments": null,
      "ReportingEntity": null,
     }
    ]
  },
  "errors": null
}
```

4.16 Field Interest Information

4.16.1 Description

Transaction report name	GASBB_FIELD_INTEREST_INFORMATION
Purpose	This report displays information about Field Interests
Production frequency	Daily
Report period	Contains all current BB field interest details

4.16.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
FieldInterestId	A unique AEMO defined Field Interest Identifier	Int	123456
FieldName	The name of the Field in which the Field Interest is located	Varchar(100)	
CompanyID	The company ID of the responsible participant	Int	13
CompanyName	The company name of the responsible participant	Varchar(50)	Bolder Mining Company
Description	Additional information relating to the field	Varchar(400)	
EffectiveDate	The date on which the record takes effect	Datetime	2022-06-23
PetroleumTenements	The petroleum tenements which are the subject of the BB field interest	Varchar(300)	Petroleum Tenement 3A
TenementShare	The field interest share of the petroleum tenements	Numeric(10,3)	50.544
ProcessingFacilities	The processing facility used to process gas from the field	Varchar(300)	Existing Facilities
ResourceClassification	Classification of the resources in the field as conventional or unconventional	Varchar(100)	Conventional / Unconventional
ResourceSubClassification	Any further sub-classification of the resources	Varchar(100)	Eg: Coalbed methane, basin-centred gas, tight gas, tight oil, gas hydrates, natural bitumen, oil shale
NatureOfGas	The nature of the gas in the field using classifications in the BB Procedures	Varchar(100)	Eg: Dry gas, gas condensate or gas found in conjunction with oil
AnnualReportingDate	Annual date when information must be updated	Date	2022-08-11
BasinId	The Id of the geological basin in which the field is located	Bigint	594321
BasinName	The name of the geological basin in which the field is located	Varchar	Gippsland
State	The state the field interest is in	Varchar(5)	VIC,NSW,QLD,SA,NT,TAS
OperatingState	The operating state (Active or Inactive) of the field	Varchar	ACTIVE,INACTIVE
VersionDateTime	Time a successful submission is accepted by AEMO systems	Datetime	2022-08-11

4.16.3 Example report


```
{
  "data": {
```

```
    "FieldInterestInformationList": [
{
      “FieldInterestId”: 123456,
"FieldName": null,
      "CompanyId": 13,
      “CompanyName”: “Bolder Mining Company”,
      "Description": null,
      "EffectiveDate": “2022-06-23”,
      “PetroleumTenements”: “Petroleum Tenement 3A”,
      “TenementShare”: 50.544,
      “ProcessingFacilities”: “Existing Facilities”,
      “ResourceClassification”: “Conventional”,
      “ResourceSubClassicication”: “Coalbed methane”,
      “NatureOfGas”: “Dry gas”,
      “AnnualReportingDate”: “2022-08-11”,
      “BasinId”: 594321,
      “BasinName”: “Gippsland”,
      “State”: “VIC”,
      “OperatingState”: “Active”,
      “VersionDateTime”: “2022-08-11”
     }
    ]
  },
  "errors": null
}
```

4.17 Field Interests

4.17.1 Description

Transaction report name	GASBB_FIELD_INTEREST
Purpose	This report displays information about Field Interests
Production frequency	Daily
Report period	Contains all current BB field interests

4.17.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
FieldName	The name of the Field in which the Field Interest is located	Varchar(100)	
FieldInterestId	A unique AEMO defined Field Interest Identifier	Int	123456
CompanyId	The company ID of the responsible participant	Int	13
CompanyName	The company name of the responsible participant	Varchar(50)	Bolder Mining Company
GroupMembers	The name of the group member	Varchar(50)	
PercentageShare	The BB field interest (as a percentage) of each member of the field owner group	Varchar	32%
EffectiveDate	The date on which the record takes effect	Datetime	2021-06-08

4.17.3 Example report


```
{
  "data": {
    "FieldInterestsList": [
{
      “FieldInterestId”: 123456,
"FieldName": null,
      "CompanyId": 13,
      “CompanyName”: “Bolder Mining Company”,
      "GroupMembers": null,
      “PercentageShare”: “32%”,
      "EffectiveDate": “2021-06-08”
     }
    ]
  },
  "errors": null
}
```

4.18 Reserves and Resources

4.18.1 Description

Transaction report name	GASBB_RESERVES_RESOURCES
Purpose	This report displays information about Field Reserves and Resources
Production frequency	GASBB_RESERVES_RESOURCES is generally updated within 30 minutes of receiving new data
Report period	Contains all current reserve and resource information for a BB field interest

4.18.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
FieldId	A unique AEMO defined Field Identifier	Int	123456
FieldName	The name of the field	Varchar(100)	
FieldInterestId	A unique AEMO defined Field Interest Identifier	Int	123456
DevelopedReserve1P	An estimate of the BB field interest's 1P developed reserves	Numeric(18,3)	123.456
DevelopedReserve2P	An estimate of the BB field interest's 2P developed reserves	Numeric(18,3)	123.456
DevelopedReserve3P	An estimate of the BB field interest's 3P developed reserves	Numeric(18,3)	123.456
UndevelopedReserve1P	An estimate of the BB field interest's 1P undeveloped reserves	Numeric(18,3)	123.456
UndevelopedReserve2P	An estimate of the BB field interest's 2P undeveloped reserves	Numeric(18,3)	123.456
UndevelopedReserve3P	An estimate of the BB field interest's 3P undeveloped reserves	Numeric(18,3)	123.456
Resources2C	An estimate of the BB field interest's 2C resources	Numeric(18,3)	123.456
ProductionChangeReserve2P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to the production of gas	Numeric(18,3)	-123.456
ProvedAreaExtensionReserve2P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to the extension of a field's proved area	Numeric(18,3)	123.456
PercentageChangeReserve2P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to a percentage change in the BB field interest	Numeric(18,3)	123.456
UpwardRevisionFrom3PReserveTo2P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to an upward revision of 2P reserves arising from the reclassification of 3P reserves or resources to 2P reserves	Numeric(18,3)	123.456
DownwardRevisionFrom2PReserveTo3P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to a downward revision of 2P reserves arising from the reclassification of 2P reserves to 3P reserves or resources	Numeric(18,3)	-123.456

Field name	Description	Data type	Examples
OtherRevisionsReserve2P	An estimate of the total movement in the BB field interest's 2P reserves since the end of prior reporting year due to other revisions	Numeric(18,3)	123.456
MaturitySubClass2P	The project maturity sub-class for the 2P reserves	Varchar(100)	Eg: On production, Approved for development, Justified for development
MaturitySubClass2C	The project maturity sub-class for the 2C resources	Varchar(100)	Eg: Development pending, Development on hold, Development unclarified, Development not viable
MinDate2P	The earliest estimated date for the production of the 2P reserves	Datetime	2022-10-01
MaxDate2P	The latest estimated date for the production of the 2P reserves	Datetime	2022-12-01
MinDate2C	The earliest estimated date for the production of the 2C resources	Datetime	2022-10-01
MaxDate2C	The latest estimated date for the production of the 2C resources	Datetime	2022-12-01
ExpectedBarriers2C	A list of any barriers to the commercial recovery of the 2C resources	Varchar(400)	Price Forecast
ResourcesEstimateMethod	The resources assessment method used to prepare the reserves and resources estimates	Varchar(200)	Eg: Deterministic, Geostatistical, and probabilistic
ConversionFactorQtyTCFtoPJ	The conversion factor used to convert quantities measured in trillions of cubic feet to PJ	Numeric(18,3)	909.000
EconomicAssumption	The key economic assumptions in the forecast case used to prepare the reserves and resources estimates and the source of the assumptions	Varchar(400)	The key economic assumptions including company growth, inflation, foreign exchange, oil price and other key economic forecasts. E.g. Inflation of X%, Oil price forecast of $XX for [timeframe] from [source], AUD/XX Exchange rate forecast of $XX for [timeframe] from [source], etc. Specific gas prices are to be submitted to the AER under rule 171C and are not required to be submitted to the GBB
UpdateReason	The reason for the update	Varchar(400)	Annual Update
PreparedBy	The name of the person who prepared the estimates	Varchar(100)	Joe Brown
PreparationIndependenceStatement	Whether the qualified gas industry professional who prepared, or	Bit	YES;NO

Field name	Description	Data type	Examples
	supervised the preparation of, the reserves and resources estimates is independent of the BB reporting entity		
EffectiveDate	The date on which the record takes effect	DateTime	2021-06-08
VersionDateTime	Time a successful submission is accepted by AEMO systems	Datetime	2022-08-11

4.18.3 Example report


```
{
  "data": {
    "ReservesAndResourcesList": [
{
      “FieldId”: 123456,
"FieldName": null,
      "FieldInterestId": 123456,
      “DevelopedReserve1P”: 123.456,
      "DevelopedReserve2P": 123.456,
      “DevelopedReserve3P”: 123.456,
      "UndevelopedReserve1P": 123.456,
      “UndevelopedReserve2P”: 123.456,
      “UndevelopedReserve3P”: 123.456,
      “Resources2C”: 123.456,
      “ProductionChangeReserve2P”: -123.456,
      “ProvedAreaExtensionReserve2P”: 123.456,
      “PercentageChangeReserve2P”: 123.456,
      “UpwardRevisionFrom3PReserveTo2P”: 123.456,
      “DownwardRevisionFrom2PReserveTo3P”: -123.456,
      “OtherRevisionsReserve2P”: 123.456,
      “MaturitySubClass2P”: “On production”,
      “MaturitySubClass2C”: “Development pending”,
      “MinDate2P”: “2022-10-01”,
      “MaxDate2P”: “2022-12-01”,
      “MinDate2C”: “2022-10-01”,
     “MaxDate2C”: “2022-12-01”,
     “ExpectedBarriers2C”: “Price Forecast”,
     “ResourcesEstimateMethod”: “Deterministic”,
     “ConversionFactorQtyTFCToPJ”: 909.000,
     “EconomicAssumption”: “Inflation of X%, Oil price forecast of $XX for [timeframe] from [source], AUD/XX Exchange rate forecast of $XX for [timeframe] from [source]”,
     “UpdateReason”: “Annual Update”,
     “PreparedBy”: “Joe Brown”,
     “PreparationIndependenceStatement”: “YES”,
```

```
      "EffectiveDate": "2021-06-08",
      "VersionDateTime": "2022-08-11"
      }
    ]
  },
  "errors": null
}
```


4.19 2P Sensitivities

4.19.1 Description

Transaction report name	GASBB_2P_SENSETIVITIES_ALL / GASBB_2P_SENSETIVITIES_LAST_QUARTER
Purpose	This report displays 2P reserve sensitivity data aggregated by State
Production frequency	Quarterly
Report period	Aggregated 2P sensitivity data by State and Quarter

4.19.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
PeriodID	Reporting period	Varchar	01-Oct-2022 to 31-Dec-2022
State	State the trade was made	Varchar	NT,QLD,NSW,VIC,SA,TAS
Increase	The sensitivity of 2P Reserves to a 10% increase in underlying gas price assumptions	Numeric(18,3)	1.234
Decrease	The sensitivity of 2P Reserves to a 10% decrease in underlying gas price assumptions	Numeric(18,3)	-1.234

4.19.3 Example report


```
{
  "data": {
    "2PSensetivitiesList": [
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
      "State": "NSW",
      "Increase": null,
      "Decrease": null
     },
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
      "State": "NT",
      "Increase": null,
      "Decrease": null
     },
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
```

```
      "State": "QLD",
      "Increase": null,
      "Decrease": null
     },
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
      "State": "SA",
      "Increase": null,
      "Decrease": null
     },
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
      "State": "TAS",
      "Increase": null,
      "Decrease": null
     },
{
      "PeriodId": "01-Oct-2022 to 31-Dec-2022",
      "State": "VIC",
      "Increase": null,
      "Decrease": null
     }

    ]
  },
  "errors": null
}
```


4.20 Basins

4.20.1 Description

Transaction report name	GASBB_BASINS
Purpose	This report displays a list of all basins
Production frequency	Daily
Report period	Contains all current basins

4.20.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
BasinId	A unique AEMO defined Facility Identifier	Bigint	594321

Field name	Description	Data type	Examples
BasinName	The name of the basin. If short name exists then short name included in report	Varchar	Gippsland

4.20.3 Example report

```
{
  "data": {
    "BasinsList": [
{
      "BasinId": 594321,
      "BasinName": "Gippsland"
     }
    ]
  },
  "errors": null
}
```

4.21 LNG Transactions

4.21.1 Description

Transaction report name	GASBB_LNG_TRANSACTIONS
Purpose	This report displays an LNG transaction aggregated data
Production frequency	Monthly
Report period	Contains all short term LNG Export transactions

4.21.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
TransactionStartDate	Transaction start date	Date	2022-08-01
TransactionEndDate	Transaction end date	Date	2022-08-31
VolWeightPrice	The volume weighted price for the reporting period	Number(18,8)	10.45
Volume	The total volume of the transactions for the reporting period	Number(10,3)	2.333
SupplyStartDate	The earliest start date of all transactions captured in the reporting period	Datetime	2022-05-01
SupplyEndDate	The latest end date of all transactions captured in the reporting period	Datetime	2022-05-31

4.21.3 Example report

```
{
  "data": {
    "LNGTransactionsList": [
{
      "TransactionStartDate": "2022-08-01",
      "TransactionEndDate": "2022-08-31",
```

```
      "VolWeightPrice": 10.45,
      "Volume": 2.333,
      "SupplyStartDate": "2022-05-01",
      "SupplyEndDate": "2022-05-31"
     }
    ]
  },
  "errors": null
}
```


4.22 Short Term Transactions

4.22.1 Description

Transaction report names	GASBB_SHORT_TERM_GAS_TRADES_NSW / GASBB_SHORT_TERM_GAS_TRADES_NT / GASBB_SHORT_TERM_GAS_TRADES_QLD / GASBB_SHORT_TERM_GAS_TRADES_SA / GASBB_SHORT_TERM_GAS_TRADES_TAS / GASBB_SHORT_TERM_GAS_TRADES_VIC
Purpose	These reports display information regarding short term gas transactions
Production frequency	Monthly
Report period	Contains all short term gas transactions, excluding those concluded through the gas trading exchange

4.22.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
PeriodStartDate	The time period start date	Date	2022-08-01
PeriodEndDate	The time period end date	Date	2022-08-31
State	The state where the transaction occurred	Varchar(5)	VIC,NSW,QLD,SA,NT,TAS
Quantity(TJ)	Total volume of the transactions where trade date is in the reporting period for the given state	Decimal(18,3)	10000.555
VolumeWeightedPrice ($)	Volume weighted price of transactions where trade date is in the reporting period for the given State	Decimal(18,2)	10.45
TransactionType	Transaction Type is Supply for these short term transactions reports	Varchar(255)	Supply
SupplyPeriodStart	The earliest start date of all transactions in the reporting period for the given state	Date	2022-07-01
SupplyPeriodEnd	The latest end date of all transactions in the reporting period for the given state	Date	2022-12-31

4.22.3 Example report


```
{
  "data": {
    "ShortTermTransactionsList": [
{
      "PeriodStartDate": "2022-08-01",
      "PeriodEndDate": "2022-08-31",
      "State": "VIC",
      "Quantity": 10000.555,
```

```
      "VolumeWeightedPrice": 10.45,
      "TransactionType": "Supply",
      "SupplyPeriodStart": "2022-07-01",
      "SupplyPeriodEnd": "2022-12-31"
     }
    ]
  },
  "errors": null
}
```


4.23 Short Term Swap Transactions

4.23.1 Description

Transaction report names	GASBB_SHORT_TERM_GAS_TRADES_SWAP_NSW / GASBB_SHORT_TERM_GAS_TRADES_SWAP_NT / GASBB_SHORT_TERM_GAS_TRADES_SWAP_QLD / GASBB_SHORT_TERM_GAS_TRADES_SWAP_SA / GASBB_SHORT_TERM_GAS_TRADES_SWAP_TAS / GASBB_SHORT_TERM_GAS_TRADES_SWAP_VIC
Purpose	These reports display information regarding short term gas swap transactions
Production frequency	Monthly
Report period	Contains all short term gas swap transactions, excluding those concluded through the gas trading exchange

4.23.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
PeriodStartDate	The time period start date	Date	2022-08-01
PeriodEndDate	The time period end date	Date	2022-08-31
State	The state where the transaction occured	Varchar(5)	VIC,NSW,QLD,SA,NT,TAS
Quantity(TJ)	Total volume of the transactions where trade date is in the reporting period for the given state	Decimal(18,3)	10000.555
VolumeWeightedPrice ($)	Volume weighted price of transactions where trade date is in the reporting period for the given State	Decimal(18,2)	10.45
TransactionType	Whether the swap is a location swap, time swap or both location and time swap	Varchar(255)	Swap Location, Swap Time, Swap Both
SupplyPeriodStart	The earliest start date of all transactions in the reporting period for the given state	Date	2022-07-01
SupplyPeriodEnd	The latest end date of all transactions in the reporting period for the given state	Date	2022-12-31

4.23.3 Example report


```
{
  "data": {
    "ShortTermSwapTransactionsList": [
{
      "PeriodStartDate": "2022-08-01",
      "PeriodEndDate": "2022-08-31",
```

```
      "State": "VIC",
      "Quantity": 10000.555,
      "VolumeWeightedPrice": 10.45,
      "TransactionType": "Swap Location",
      "SupplyPeriodStart": "2022-07-01",
      "SupplyPeriodEnd": "2022-12-31"
     }
    ]
  },
  "errors": null
}
```


4.24 Secondary Capacity Storage Trades

4.24.1 Description

Transaction report names	GASBB_SHORT_TERM_STORAGE
Purpose	This report displays a list of secondary capacity storage trades
Production frequency	Generally updated within 30 minutes of receiving new data
Report period	Contains all BB capacity transactions, excluding those concluded through the gas trading exchange

4.24.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
TradeId	A unique AEMO defined Transaction Identifier	Int	123456
VersionDateTime	Time a successful submission is accepted by AEMO systems	Datetime	2022-08-11
TradeDate	The date the transaction was entered into	Date	2018-03-01
FromGasDate	The start date of the transaction	Date	2018-03-10
ToGasDate	The end date of the transaction	Date	2018-03-20
FacilityId	The gas storage facility ID for the facility by means of which the service is provided	Int	520001
Priority	The priority given to the service to which the transaction relates	Varchar(255)	Secondary firm
MaximumStorageQuantity	The storage capacity the subject of the transaction (in GJ)	Int	10
InjectionCapacity	The injection capacity (in GJ/day)	Number(18,3)	5.234
WithdrawalCapacity	The withdrawal capacity (in GJ/day)	Number(18,3)	8.156
Price	The transaction price (in $/GJ/day or where relevant, in $/GJ)	Number(18,3)	4.20
PriceStructure	The price structure applicable to the transaction	Varchar(255)	Variable
PriceEscalationMechanism	Any price escalation mechanism applicable to the transaction	Varchar(255)	10% per annum
Cancelled	Whether the record has been cancelled	Number(1,0)	1,0
LastChanged	The date the record was last updated	Date	2022-08-11

4.24.3 Example report


```
{
  "data": {
    "SecondaryCapacityStorageTradesList": [
{
      "TradeId": 123456,
      "VersionDateTime": "2022-08-11",
      "TradeDate": "2018-03-01",
      "FromGasDate": "2018-03-10",
      "ToGasDate": "2018-03-20",
      "FacilityId": "520001",
      "Priority": "Secondary firm",
      "MaximumStorageQuantity": 10,
      "InjectionCapacity": 5.234,
      "WithdrawalCapacity": 8.156,
      "Price": 4.20,
      "PriceStructure": "Variable",
      "PriceEscalationMechanism": "10% per annum",
      "Cancelled": 0,
      "LastChanged": "2022-08-11"
     }
    ]
  },
  "errors": null
}
```


4.25 Missing Actual Flow and Storage

4.25.1 Description

Transaction report names	GASBB_MISSING_ACTUAL_FLOW_AND_STORAGE
Purpose	Returns any missing actual flow data
Production frequency	Daily
Report period	The last 31 days

4.25.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2018-09-23 00:00:00
FacilityName	Name of the facility.	Varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345

Field name	Description	Data type	Examples
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1201001

4.25.3 Example report


```
{
  "data": {
    "MissingActualFlowAndStorageList": [
{
      "GasDate": "2021-08-10 00:00:00",
      "FacilityName": "B1PL",
      "FacilityId": 540077,
      "ConnectionPointId": 1404253
     }
    ]
  },
  "errors": null
}
```


4.26 Missing Nomination and Forecast

4.26.1 Description

Transaction report names	GASBB_MISSING_NOMINATION_AND_FORECAST
Purpose	Returns any missing nomination/forecast flow data
Production frequency	Daily
Report period	The last 31 days

4.26.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2018-09-23 00:00:00
FacilityName	Name of the facility.	Varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1201001

4.26.3 Example report


```
{
  "data": {
    "MissingNominationAndForecastList": [
{
```

```
      "GasDate": "2021-08-10 00:00:00",
      "FacilityName": "B1PL",
      "FacilityId": 540077,
      "ConnectionPointId": 1404253
     }
    ]
  },
  "errors": null
}
```


4.27 Late Actual Flow and Storage

4.27.1 Description

Transaction report names	GASBB_LATE_ACTUAL_FLOW_AND_STORAGE
Purpose	A record of late submissions
Production frequency	Daily
Report period	The last 31 days

4.27.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2022-05-13 00:00:00
FacilityName	Name of the facility.	Varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1201001
EarliestSubmissionDate	Date and time of the earliest submission for that gas date.	Datetime	2022-05-15 12:20:00
LateTimeSpan	Hours and minutes of the time span between the submission cut-off time and the earliest submission date	Number(15,2)	23.33

4.27.3 Example report


```
{
  "data": {
    "LateActualFlowAndStorageList": [
{
      "GasDate": "2022-05-13 00:00:00",
      "FacilityName": "B1PL",
      "FacilityId": 540077,
      "ConnectionPointId": 1404253,
      "EarliestSubmissionDate": "2022-05-15 12:20:00",
      "LateTimeSpan": 23.33
```

```
      }
    ]
  },
  "errors": null
}
```


4.28 Late Nomination and Forecast

4.28.1 Description

Transaction report names	GASBB_LATE_NOMINATION_AND_FORECAST
Purpose	A record of late submissions
Production frequency	Daily
Report period	The last 31 days

4.28.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2022-05-13 00:00:00
FacilityName	Name of the facility.	Varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1201001
EarliestSubmissionDate	Date and time of the earliest submission for that gas date.	Datetime	2022-05-15 12:20:00
LateTimeSpan	Hours and minutes of the time span between the submission cut-off time and the earliest submission date	Number(15,2)	23.33

4.28.3 Example report


```
{
  "data": {
    "LateNominationAndForecastList": [
{
      “GasDate”: “2022-05-13 00:00:00”,
      “FacilityName”: “B1PL”,
      “FacilityId”: 540077,
      “ConnectionPointId”: 1404253,
      “EarliestSubmissionDate”: “2022-05-15 12:20:00”,
      “LateTimeSpan”: 23.33
     }
    ]
  },
  "errors": null
```

```
}
```

4.29 Pipeline Nil Quality Submission

4.29.1 Description

Transaction report names	GASBB_PIPELINE_NIL_QUALITY_SUBMISSION
Purpose	A record of all submissions that contain Nil quality against the flow. This indicates that data wasn't available and needs to be updated.
Production frequency	Daily
Report period	Contains all current records of gas flow submissions with Nil quality

4.29.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
GasDate	Date of gas day. Timestamps are ignored. The gas day as defined in the pipeline contract or market rules.	Datetime	2022-05-13 00:00:00
FacilityName	Name of the facility.	Varchar(100)	Berwyndale to Wallumbilla Pipeline
FacilityId	A unique AEMO defined Facility identifier.	Int	520345
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1201001

4.29.3 Example report


```
{
  "data": {
    "PipelineNilQuantitySubmissionList": [
{
      "GasDate": "2022-05-13 00:00:00",
      "FacilityName": "B1PL",
      "FacilityId": 540077,
      "ConnectionPointId": 1404253
     }
    ]
  },
  "errors": null
}
```


4.30 Nodes And Connection Points

4.30.1 Description

Transaction report names	GASBB_NODES_AND_CONNECTIONPOINTS_LIST / GASBB_NODES_CONNECTIONPOINTS_FULL_LIST
Purpose	Displays detailed information on all facilities and their associated nodes and Connection Points.
Production frequency	Both GASBB_NODES_AND_CONNECTIONPOINTS_LIST and GASBB_NODES_CONNECTIONPOINTS_FULL_LIST are updated daily
Report period	Contains all current facilities and their nodes and connection points

4.30.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Examples
FacilityName	Name of the facility	Varchar(100)	AGP
FacilityId	A unique AEMO defined facility identifier	Int	580010
FacilityType	Facility type associated with the Facility Id.	Varchar(40)	PIPE,PROD,STOR,COMPRESSOR
ConnectionPointId	A unique AEMO defined connection point identifier	Int	1808000
ConnectionPointName	Name of connection point	Varchar(100)	Ban Ban Springs Receipt Stream
FlowDirection	Gas flow direction. Values can be either: Receipt: The flow of gas into the *BB storage facility* or LNG import Delivery: The flow of gas out of the *BB storage facility* or LNG export Processed: The flow direction type only used for capacities. For LNG export, it represents the amount of gas that can be processed to a liquefied state on a gas day. For LNG import, it represents the amount of gas that can be received and processed into storage on a gas day. Delivery LNG Storage: The flow direction type only used for capacities. For LNG import, it represents the amount of gas withdrawn for storage for processing to a gaseous state on a gas day.	Char(10)	RECEIPT,DELIVERY, PROCESSED,DELIVERYLNGSTOR
Exempt	Flag indicating whether the connection point has a data exemption	Bit	TRUE,FALSE
ExemptionDescription	Description of exemption	Varchar(800)	
NodeId	A unique AEMO defined node identifier	Int	98001
StateId	A unique AEMO defined state identifier	Int	8
StateName	Name of the state	Varchar(100)	New South Wales and ACT,Northern Territory,Queensland,South Australia,Tasmania,Victoria
LocationName	Name of location.	Varchar(50)	Regional - NT
LocationId	A unique AEMO defined location identifier	Int	590017
LastUpdated	Date the record was last modified	Datetime	2019-05-09 14:49

4.30.3 Example report

```
{
  "data": {
    "NodesAndConnectionPointsList": [
{
      "FacilityName": "AGP",
      "FacilityId": 580010,
      "FacilityType": "PIPE",
```

```
      "ConnectionPointId": 1808000,
      "ConnectionPointName": "Ban Ban Springs Receipt Stream",
      "FlowDirection": "RECEIPT",
      "Exempt": "FALSE",
      "ExemptionDescription": null,
      "NodeId": 98001,
      "StateId": 8,
      "StateName": "Northern Territory",
      "LocationName": "Regional - NT",
      "LocationId": 590017,
      "LastUpdated": "2019-05-09 14:49"
     }
    ]
  },
  "errors": null
}
```


4.31 Facilities

4.31.1 Description

Transaction report name	GASBB_FACILITIES_LIST / GASBB_FACILITIES_FULL_LIST
Purpose	Displays a list of all currently registered BB facilities and identifies the organisation responsible for the operation of the respective facility.
Production frequency	Both GASBB_FACILITIES_LIST and GASBB_FACILITIES_FULL_LIST are updated daily
Report period	Current records.

4.31.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
FacilityName	Name of the facility.	varchar(100)	Amadeus Gas Pipeline
FacilityShortName	Abbreviated version of the facility name.	Varchar(40)	AGP
FacilityId	A unique AEMO defined facility identifier	Int	580010
FacilityType	Facility type associated with the facility id	Varchar(40)	PIPE,PROD,STOR,COMPRESSOR
FacilityTypeDescription	Free text description of the facility type.	varchar(800)	BB pipeline
OperatingState	The operating state (Active or Inactive) of the facility	Varchar	ACTIVE,INACTIVE
OperatingStateDate	Date the current operating state was set	Date	2019-04-02
OperatorName	Name of the operator for the facility.	Varchar(50)	APA Group
OperatorId	The facility operator's ID	Bigint	94
OperatorChangeDate	Date the current operator for the facility was set	Date	2022-07-15

4.31.3 Example report


```
{
  "data": {
```

```
    "FacilitiesList": [
{
      "FacilityName”: “Amadeus Gas Pipeline”,
      “FacilityShortName”: “AGP”,
      “FacilityId”: 580010,
      “FacilityType”: “PIPE”,
      “FacilityTypeDescription”: “BB Pipeline”,
      “OperatingState”: “ACTIVE”,
      “OperatingStateDate”: “2019-04-02”,
      “OperatorName”: “APA Group”,
      “OperatorId”: 94,
    “OperatorChangeDate”: “2022-07-15”
       }
          ]
  },
  "errors": null
}
```


4.32 Forecast Utilisation

4.32.1 Description

Transaction report name	GASBB_FORECAST_UTILISATION_NEXT7
Purpose	The purpose of the forecast utilisation report is to provide a summary of forecast information provided by Gas Bulletin Board (BB) facility operators. The report is a 7-day outlook of the supply-demand gas balance in the East Coast. The report brings together data from various existing reports, including: • Nameplate Rating • Short Term Capacity Outlook • Nomination and Forecast Flow • Actual Flow and Storage
Production frequency	Daily. The report is not updated once produced
Report period	Data in the report contains information for D+1 through to D+7

4.32.2 Data report format

The following fields are provided in the report.

Field name	Description	Data type	Example
State	Name of the state.	Char(3)	NSW,VIC,QLD,SA,TAS,NT
FacilityId	A unique AEMO defined facility identifier	Int	520345
FacilityName	The name of the BB facility	Varchar(100)	Longford Gas Plant
FacilityType	Facility type associated with the facility id	Varchar(40)	PIPE,PROD,STOR,COMPRESSOR
ReceiptLocationId	The Connection Point Id that best represents the receipt location associated with a pipeline's nameplate capacity flow direction. The ReceiptLocationId in conjunction with	int	1202071

Field name	Description	Data type	Example
	the DeliveryLocationId indicates the capacity direction and location		
ReceiptLocationName	The Connection Point name associated with the ReceiptLocationId	Varchar(200)	Marsden Delivery Stream
DeliveryLocationId	The Connection Point Id that best represents the delivery location associated with a pipeline's nameplate capacity flow direction. The ReceiptLocationId in conjunction with the DeliveryLocationId indicates the capacity direction and location	int	1202062
DeliveryLocationName	The Connection Point name associated with the DeliveryLocationId	Varchar(200)	Dubbo Delivery Stream
Description	Describes the calculation that is being performed in each row of the report	Varchar(100)	Capacity Available
ForecastMethod	Describes the calculation that is being performed for each BB pipeline where the Description is Forecast Flow	Varchar(100)	Sum of Delivery Points
Units	The unit of measure for the calculated values	Varchar(50)	TJ/day
Nameplate	Standing nameplate capacity quantity in TJ. Nameplate rating relates to maximum daily quantities under normal operating conditions	Number(18,3)	13.3
"D+1" e.g. Thursday 11 Aug 2022	Forecast values and calculations relating to each Description for the first day of the forecast period	Number(18,3)	8.45
"D+2" e.g. Friday 12 Aug 2022	Forecast values and calculations relating to each Description for the second day of the forecast period	Number(18,3)	128.39
"D+3" e.g. Saturday 13 Aug 2022	Forecast values and calculations relating to each Description for the third day of the forecast period	Number(18,3)	120
"D+4" e.g. Sunday 14 Aug 2022	Forecast values and calculations relating to each Description for the fourth day of the forecast period	Number(18,3)	0.6
"D+5" e.g. Monday 15 Aug 2022	Forecast values and calculations relating to each Description for the fifth day of the forecast period	Number(18,3)	100
"D+6" e.g. Tuesday 16 Aug 2022	Forecast values and calculations relating to each Description for the sixth day of the forecast period	Number(18,3)	7
"D+7" e.g. Wednesday 17 Aug 2022	Forecast values and calculations relating to each Description for the seventh day of the forecast period	Number(18,3)	31.069

4.32.3 Example report


```
{
  "data": {
    "ForecastUtilisationList": [
{
      "State": "NSW",
      "FacilityId": 520090,
      "FacilityName": "ColongraGP",
      "FacilityType": "PIPE",
      "ReceiptLocationId": 1202075,
```

```
      “ReceiptLocationName”: “Munmorah Compressor Station”,
      “DeliveryLocationId”: 1202076,
      “DeliveryLocationName”: “Munmorah Delivery Station”,
      “Description”: “Capacity Available”,
      “Units”: “TJ/day”,
      “Nameplate”: 43,
      “Thursday 11 Aug 2022”: 43,
      “Friday 12 Aug 2022”: 43,
      “Saturday 13 Aug 2022”: 43,
      “Sunday 14 Aug 2022”: 43,
      “Monday 15 Aug 2022”: 43,
      “Tuesday 16 Aug 2022”: 43,
      “Wednesday 17 Aug 2022”: 43
       },
{
      "State”: “NSW”,
      “FacilityId”: 520090,
      “FacilityName”: “ColongraGP”,
      “FacilityType”: “PIPE”,
      “ReceiptLocationId”: 1202075,
      “ReceiptLocationName”: “Munmorah Compressor Station”,
      “DeliveryLocationId”: 1202076,
      “DeliveryLocationName”: “Munmorah Delivery Station”,
      “Description”: “Capacity Factor”,
      “Units”: “%”,
      “Nameplate”: null,
      “Thursday 11 Aug 2022”: 100%,
      “Friday 12 Aug 2022”: 100%,
      “Saturday 13 Aug 2022”: 100%,
      “Sunday 14 Aug 2022”: 100%,
      “Monday 15 Aug 2022”: 100%,
      “Tuesday 16 Aug 2022”: 100%,
      “Wednesday 17 Aug 2022”: 100%
       }
          ]
  },
  "errors": null
}
```

4.33 Voluntary Information from LNG Producers in Queensland

4.33.1 Description

Transaction report name	N/A
Purpose	A list of published documents provided by LNG that detail scheduled maintenance events.
Update interval	As required.
Production frequency	On request.
Report period	All reports.

4.34 Allocation Agent Information

4.34.1 Description

Transaction report name	N/A
Purpose	Summary of how allocations are performed at service points
Update interval	As required.
Production frequency	On request.
Report period	All reports

5 Needing help

5.1 Requesting AEMO assistance

5.1.1 Information to provide

Please provide the following information when requesting IT assistance from AEMO:

- Your name
- Organisation name
- Participant ID
- System or application name
- Environment: production or pre-production
- Problem description
- Screenshots

5.1.2 AEMO's Support Hub

IT assistance is requested through one of the following methods:

- Phone: 1300 AEMO 00 (1300 236 600)

For non-urgent issues, normal coverage is 8:00 AM to 6:00 PM on weekdays, Australian Eastern Standard Time (AEST).

- Email: supporthub@aemo.com.au

AEMO recommends participants call AEMO's Support Hub for all urgent issues, if you have logged a call in the Customer Portal.

A1 Validation error codes

The validation error codes for all transaction types are shown in the following table.

Error code	Error type	Transaction log description
0	File processing success	File processed without errors or alarms, {0} rows accepted
1	File processing error	Unexpected file processing error
2	File processing error	Unexpected file processing error
3	File processing error	File name provided does not comply with COMPID_TRANSACTIONNAME_CCYYMMDDHHMMSS.CSV naming convention
4	File processing error	The transaction name {0} within the file name provided is not of a known type
5	File processing error	The transaction fields do not match those associated to the transaction name
8	File processing error	Invalid data provided {0} for type {1}
9	File processing error	Empty file submitted
89	File processing error	Rows with duplicate key information are present in the file
20	Date	The GasDate {0} provided is not a valid date
21	Date	The GasDate {0:yyyy-MM-dd HH:mm:ss} provided must be a current or future date
22	Date	The EffectiveDate {0} provided is not a valid date.
23	Date	Effective Date {1:yyyy-MM-dd HH:mm:ss} for facilty {0} is in the past.
24	Date	The TerminationDate {0} provided is not a valid date.
25	Date	The TerminationDate {0:yyyy-MM-dd HH:mm:ss} provided must be a current or future date
26	Date	Gas Date {1:yyyy-MM-dd HH:mm:ss} for facility {0} is not a historical date
27	Date	The TerminationDate {0:yyyy-MM-dd HH:mm:ss} must be later than the EffectiveDate
28	Date	ToGasDate must be equal to or greater than FromGasDate
29	Date	Effective Date {1:yyyy-MM-dd} for connection point {0} is in the past
30	Date	Month {0} provided is not valid. Must be between 1 and 12
31	Date	Year {0} provided is not valid
32	Date	Gas Date {0:yyyy-MM-dd HH:mm:ss} is not a historical date
33	Date	FromGasDate must be equal to or greater than current gas day.
34	Date	FromGasDate must not overlap the date range of any other row for the same FacilityId and Outlook Type.
35	Date	ToGasDate must not overlap the date range of any other row for the same FacilityId and Outlook Type.
36	Date	FromGasDate and ToGasDate can only be a maximum of one calendar month apart.
37	Date	Gas Date {0:yyyy-MM-dd} can be for either of D, D + 1 or D + 2.
105	Date	Gas Date is older than a month.
40	Identifier	Facility Id {0} does not exist in the database.
41	Identifier	Participant is not the registered operator of Facility {0}.
42	Identifier	Zone ID {0} does not exist in the database.
43	Identifier	Zone ID {1} is not associated with Facility Id {0}.
44	Identifier	The OfferId provided does not exist in the database.
45	Identifier	The UserId provided does not exist on the database.
46	Identifier	The UserId provided is not associated with the file provider.
47	Identifier	The EventId provided does not exist on the database.
48	Identifier	The file provider is not authorised to upload transactions of this type.
49	Identifier	ConnectionPointId {0} does not exist in the database.
50	Identifier	Participant is not the registered operator of connection point {0}.
51	Identifier	Participant is not permitted to submit data for {0} transactions.

Error code	Error type	Transaction log description
52	Identifier	Zone does not exist in the database for Facility {0}.
53	Identifier	Facility Id {0} is not a valid storage facility.
54	Identifier	Facility Id {0} is not a valid pipeline.
60	Type	Capacity type {1} for facility {0} is not valid.
61	Type	Demand type {1} for facility {0} is not valid.
62	Type	Nomination type {1} for facility {0} is not valid.
63	Type	Outlook type {1} for facility {0} is not valid.
64	Type	Flow type {1} for facility {0} is not valid.
65	Type	Offer type {1} for facility {0} is not valid.
66	Type	Status type {1} for facility {0} is not valid.
67	Type	Event type {1} for facility {0} is not valid.
68	Type	Flag type {1} for facility {0} is not valid.
69	Type	Quality type {1} for facility {0} is not valid.
70	Type	Outlook type {0} is not valid for a pipeline. Valid values are TRANC and REVC.
71	Type	Outlook type {0} is not valid for a storage facility. Valid values are PRODC, WDLC and INJC.
72	Type	Outlook type {0} is not valid for a production facility. Valid value is PRODC.
73	Type	BuySell value {0} is not valid
74	Type	Nomination type {0} is invalid for a Declared Transmission System facility. Valid values are D+0, D+1, D+2, D+3, D+4, D+5 or D+6.
75	Type	Nomination type {0} is invalid for a non-Declared Transmission System facility. Valid values are FCNOM, FIRMN or FIRMR.
76	Type	Flow Direction {0} is not valid
77	Type	Transmission Direction {0} is not valid

Where:

Label	Description
{0}	The invalid data provided for a field in the uploaded file.
{1}	The data type for a field in the uploaded file.