



# BB Aggregation Methodology

**Prepared by:** AEMO Gas Markets and System Operations

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**Version:** 1.2

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**Effective date:** 15 March 2023

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**Status:** FINAL

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**Date:** 15 / 03 / 2023

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# 1. Introduction

## 1.1. Purpose and scope

The BB Aggregation Methodology (**Methodology**) describes how data will be aggregated on the *Natural Gas Services Bulletin Board (BB)*. The Methodology is relevant to the reporting of data associated with *BB pipelines*, sensitivities of *2P reserves* to a change in price assumptions, *short term gas supply transactions* and *short term LNG export transaction*.

## 1.2. Legal framework

This Methodology is made under rules 194, and 195 of the National Gas Rules (**NGR**), and may be amended from time to time. The National Gas Law (**NGL**) and the NGR prevail over this Methodology to the extent of any inconsistency.

This Methodology is not a Procedure for the purposes of the NGR.

## 1.3. Definitions

### 1.3.1. Glossary

The words, phrases and abbreviations set out below have the meanings set out opposite them when used in this document.

Terms defined in the NGL, the NGR, or the Procedures have the same meanings in this document unless otherwise specified. Those terms are intended to be identified in this document by italicising them, but failure to italicise a defined term does not affect its meaning.

Term	Definition
Border Demand	An estimate of gas flows within a <i>BB pipeline</i> from one State or Territory to another State or Territory.
Connection Point	A Demand Point, a Supply Point or a Transfer Point.
Demand Point	<i>A delivery point on a BB pipeline:</i> <ul style="list-style-type: none"> <li>that is connected to either a gate station, a storage facility, an <i>LNG export facility</i>, a large user or a pipeline that is not a <i>BB pipeline</i>, or</li> <li>from which a person takes natural gas for consumption purposes.</li> </ul>
Forecast Method	For each nameplate capacity that a <i>BB pipeline</i> has, AEMO will assign a Forecast Method to determine a representation of the gas flows for that nameplate capacity.
GPG Point	A Demand Point on a <i>BB pipeline</i> which is solely used for the delivery of natural gas used by a <i>market generating unit (GPG)</i> for the generation of electricity or the operation of the <i>market generating unit</i> .
Node	A Node is used as the link between two facilities and will consist of either: <ul style="list-style-type: none"> <li>a <i>delivery point</i> on one facility and a <i>receipt point</i> on the other facility; or</li> <li>a <i>delivery point</i> and a <i>receipt point</i> on one facility and a <i>receipt point</i> and a <i>delivery point</i> on the other facility</li> </ul>
Supply Point	A <i>receipt point</i> on a <i>BB pipeline</i> that is connected to either a production facility, storage facility, <i>LNG import facility</i> or pipeline that is not a <i>BB pipeline</i>
Transfer Point	A <i>receipt point</i> or <i>delivery point</i> on a <i>BB pipeline</i> that is connected to another <i>BB pipeline</i> .

## 2. Methodologies

### 2.1. BB pipelines

#### 2.1.1. Nominated and forecast information

*Rule 194 requires AEMO to determine an aggregation method to be used for the publication of nomination and forecast pipeline information. The purpose of the aggregation method, so far as practicable, is to make data available only as a representation of the direction and quantity of gas flows in BB pipelines and does not disclose a nomination made by a market generating unit as defined in the National Electricity Rules or a facility for generating electricity that participates in a wholesale electricity market operating from time to time in the Northern Territory.*

AEMO will provide nominated and forecast delivery information for *BB pipelines* in accordance with the following rules:

- (a) Categorisation of Connection Point gas flows:
  - (i) Gas withdrawals at Demand Points will be classified as Demand.
  - (ii) Gas injections at Supply Points will be classified as Supply.
  - (iii) Gas flows at Transfer Points will be classified as Transfers (in/out).
- (b) Data aggregation levels:

Connection Point gas flows will be made available in a summarised form at the following levels of aggregation:

  - (i) National demand and supply;
  - (ii) State/Territory demand and supply;
  - (iii) BB pipeline demand, supply and transfers, except for:
    - (A) *BB pipelines* with GPG Points that have a nameplate rating of less than 100 TJ of natural gas per day; or
    - (B) *BB pipelines* that have only one Demand Point that is also a GPG Point;
  - (iv) Intra State/Territory Locations demand and supply (see the Locations report on the BB for definitions);
  - (v) Node demand, supply and transfers.
- (c) Forecast utilisation:

AEMO will provide a 7-day forecast outlook of gas flows, which for *BB pipelines* will be determined for each nameplate capacity of that *BB pipeline* using a Forecast Method. The following Forecast Methods will be used:

  - (i) Sum of Delivery Points: a summation of all *delivery point* data on that *BB pipeline* and *gas day*;
  - (ii) Delivery Location Node: a calculation of the net deliveries at a Node on the *BB pipeline*, using information in the nameplate capacity specification;
  - (iii) Receipt Location Node: a calculation of the net receipts at a Node on the *BB pipeline*, using information in the nameplate capacity specification;

- (iv) Delivery Location Aggregated: a calculation of the net deliveries at a Location (see the Locations report on the BB for definitions) on the *BB pipeline*, using information in the nameplate capacity specification;
- (v) Receipt Location Aggregated: a calculation of the net receipts at a Location (see the Locations report on the BB for definitions) on the *BB pipeline*, using information in the nameplate capacity specification.

### 2.1.2. Daily flow data

*Rule 195 requires AEMO to determine aggregation methods to be used for the publication of daily flow data. The purpose of the aggregation method is to provide a representation of the direction and quantity of gas flows in BB pipelines; and to provide a representation of the demand in different locations with demand categories determined by AEMO.*

AEMO will aggregate the daily flow data using the same principles used for nominated and forecast information, with the exception of 2.1(b)(iii)(A) and (B) which is only applicable to nominations and forecasts. AEMO will also publish daily flow data at a Connection Point level, this includes daily flow data relating to GPG Points.

## 2.2. 2P reserves

*Rule 194 requires AEMO to aggregate and anonymise information about the sensitivity of 2P reserves estimates to an increase or decrease in gas prices of 10%. Rule 171(8) can result in this information being received at different times in the year for different BB reporting entities.*

AEMO will aggregate and publish the following information aggregated by *participating jurisdiction*:

- (a) The sensitivity of 2P Reserves to a 10% increase in underlying gas price assumptions
- (b) The sensitivity of 2P Reserves to a 10% decrease in underlying gas price assumptions

In order to ensure anonymity is maintained, the following conditions will be applied:

- (c) The information, relating to the sensitivity of 2P reserves to a change in gas price assumption, must be available from at least three different *BB reporting entities* in that *participating jurisdiction* and reporting period; and
- (d) The publication of the information may be restricted to an annual update to avoid individual updates being able to be back-calculated.

AEMO may also produce ad-hoc reports and aggregate the results by basin, region or other aggregation level that encompasses at least three *BB reporting entities*.

## 2.3. Gas transaction and LNG shipment information

*Rule 194 restricts AEMO from publishing data relating to a shipment of LNG, from an LNG export facility, before 20 business days after the end of the month in which the LNG is loaded.*

*Rule 195C requires AEMO to aggregate and anonymise the publication of short term gas transaction information. The purpose of the aggregation is to:*

- (a) ensure the names of the parties, to a short term gas or LNG export transaction, are not published nor, so far as practicable, are the names of the parties able to be determined;
- (b) ensure the price applicable to a transaction is not published nor, so far as practicable, is the price of the transaction able to be calculated; and

- (c) ensure short term LNG transaction information is not published until 20 business days after the trade date of the transaction.

AEMO will publish information in accordance with the following rules:

- (d) Short term LNG export transactions:
  - (i) Publication will occur on the 5th day of the month (M) for transactions with a *trade date* occurring within the quarter (Q) that ended two months prior (M-2). For example, on 5 May 2024 transactions that had a *trade date* from 1 January 2024 through to 31 March 2024 will be included in the report.
  - (ii) The price will be a volume weighted price for that reporting period
  - (iii) The volume will be the total volume of the transactions
  - (iv) If there are less than three transactions in the reporting period, then no information will be published
  - (v) If there are less than two sellers in the reporting period, then no information will be published

Information regarding the supply period will include the earliest start date and the latest end date relating to the all transactions included in that reporting period

- (e) Short term gas transactions:
  - (i) Data will be aggregated by *participating jurisdiction*
  - (ii) The price will be a volume weighted price for that reporting period and *participating jurisdiction*
  - (iii) The volume will be the total volume of the transactions in that reporting period and *participating jurisdiction*
  - (iv) Gas swap transactions and gas supply transactions will be separately reported
  - (v) AEMO will not publish information for a *participating jurisdiction* if there is less than three transactions for that reporting period in that *participating jurisdiction*
  - (vi) Information regarding the supply period will include the earliest start date and the latest end date relating to all transactions in the *participating jurisdiction* and reporting period.
  - (vii) AEMO may include an upper and lower price limit, and exclude transactions that are outside of these price limits
  - (viii) AEMO may specify different reporting periods, for example – daily/weekly/monthly, for each *participating jurisdiction*. The reporting periods will be published on the BB and may be updated from time to time.
- (f) LNG export shipment data
  - (i) Publication will occur on the 5th day of each month (M) for transactions with loading dates occurring in the month two months prior (M-2)

AEMO may produce ad-hoc reports. For short term LNG export transactions and short term gas transactions, where there are at least 3 different transactions, AEMO may publish volumes and average prices across different time horizons and at different locations. This may include preparing reports based on delivery dates as well as trade dates.

## Version release history

Version	Effective date	Summary of changes
1.2	15 March 2023	<ul style="list-style-type: none"> <li>• Updates to aggregations performed for pipeline nominations</li> <li>• New aggregation for 2P reserves</li> <li>• New aggregation for short term gas transactions and short term LNG export transactions</li> </ul>
1.1	1 November 2018	<ul style="list-style-type: none"> <li>• Removal of section 2.3 due to not being relevant</li> <li>• Removal of 2.1(b)(v) as not relevant</li> <li>• Included clarification of publication of daily flow data in section 2.2</li> </ul>
1	30 September 2018	Initial version