

# BB PIPELINE AGGREGATION METHODOLOGY

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## 1. INTRODUCTION

### 1.1. Purpose and scope

This is the BB Aggregation Methodology (**Methodology**) made under rule 194 and 195 of the National Gas Rules (**Rules**) for the purpose of aggregating pipeline data on the *Natural Gas Services Bulletin Board (BB)*.

This Methodology has effect only for the purposes set out in the Rules (**Rules**). The National Gas Law and the Rules prevail over this Methodology to the extent of any inconsistency.

Production and Storage information is not subject to aggregation.

### 1.2. Legal framework

This Methodology is made under rule 194 and 195 of the Rules, and may be amended from time to time.

This Methodology applies to the data that is published on the BB, and is not a Procedure for the purpose of the Rules.

### 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 National Gas Law, the Rules or the Procedures have the same meanings in this document unless otherwise specified in this clause. 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   | Gas that flows in a <i>BB pipeline</i> from one State or Territory to another State or Territory.  |
| Demand Point    | A <i>delivery point</i> on a <i>BB pipeline</i> where gas is delivered from that BB pipeline to be consumed or to a <i>gas storage facility</i> , and is not transferred to another <i>BB pipeline</i> .                                 |
| GPG Point       | A <i>delivery point</i> or <i>receipt point</i> on a <i>BB pipeline</i> where a Gas Powered Generator (GPG) is connected.  |
| Regional Demand | The residual of all demand within a State/Territory that hasn't been accounted for in one of the other demand categories as specified in Schedule 1.   |
| Supply Point    | A <i>receipt point</i> on a <i>BB pipeline</i> where gas is received from a <i>BB production facility</i> .  |
| Transfer Point  | A <i>receipt point</i> or <i>delivery point</i> on a <i>BB pipeline</i> where gas is: <ul style="list-style-type: none"> <li>(a) received from another <i>pipeline</i>; or</li> <li>(b) delivered to another <i>pipeline</i>.</li> </ul> |

## 2. BB PIPELINE AGGREGATION METHOD

### 2.1. 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.

- (a) AEMO will aggregate the *Delivery and Receipt Nominations* for a BB pipeline and the *Forecast Deliveries and Receipts* for a BB pipeline (**Aggregated Data**) using the following principles:
  - (i) *Delivery points* will be categorised as Demand Points or Transfer Points;
  - (ii) *Receipt points* will be categorised as Supply Points or Transfer Points;
  - (iii) *Delivery and Receipt Nominations* and *Forecast Deliveries and Receipts* for each BB pipeline will be aggregated to show a summary of the Demand Points, Supply Points and Transfer Points on that BB pipeline, including the net deliveries/receipts along key segments of the pipeline;
  - (iv) Aggregated Data will be published based on the following principles:
    - (A) Demand will be aggregated by State/Territory as follows:
      - (a) Demand centres aligned to the *STTM hubs*<sup>1</sup>;
      - (b) Other major demand centres e.g. Curtis Island;
      - (c) GPG Points, excluding GPG included in an STTM Hub;
      - (d) Storage Demand;
      - (e) Regional Demand;
      - (f) Border Demand ;
    - (B) Supply will be aggregated by State/Territory as follows:
      - (a) Supply by *BB production facility*;
      - (b) Supply from *BB storage facilities*;
      - (c) Supply aggregated to an area based on the filters in the Schedules;
      - (d) Supply aggregated to the State/Territory; and
      - (e) Supply transferred from other *BB pipelines*.

A list of the aggregated demand and supply filters is available in **Error! Reference source not found.**

- (b) The direction of gas flows on each key segment of a BB pipeline will be determined from the individual *Delivery and Receipt Nominations* and *Forecast Deliveries and Receipts* for each BB pipeline;
- (c) Business rules and detailed descriptions will be developed and published on the BB for the more complex pipeline arrangements

## 2.2. 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.*

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<sup>1</sup> The Sydney Hub includes GPG from the Colongra Power Station, and the Brisbane Hub includes GPG from the Swanbank E Power Station

- (a) AEMO will aggregate the *daily flow data* using the same principles used for aggregated *Delivery and Receipt Nominations* and *Forecast Deliveries and Receipts*;
- (b) All unaggregated *daily flow data* will also be published (along with aggregated *daily flow data*).

## SCHEDULE 1. DEMAND AND SUPPLY AGGREGATION

| State | Connection Point Type | Usage Type | Classification | Description  |
|-------|-----------------------|------------|----------------|--|
| QLD   | Delivery/Gate Station | Demand     | Curtis Island  | Demand at Curtis Island  |
| QLD   | Delivery/Gate Station | Demand     | Brisbane       | Aligned to the same points as the STTM   |
| QLD   | Delivery              | Demand     | GPG            | All QLD GPG connected to a BB pipeline, excluding GPG in the Brisbane STMM Hub                 |
| QLD   | Delivery              | Demand     | Storage        | The net sum of gas injected into storage.  |
| QLD   | Delivery/Gate Station | Demand     | Regional       | All other QLD demand   |
| QLD   | Delivery/Receipt      | Transfer   | SWQP           | Gas delivered or received from Moomba/Wallumbilla on the South West Queensland Pipeline (SWQP) |
| QLD   | Delivery/Receipt      | Transfer   | NGP            | Gas delivered or received from the Northern Gas Pipeline                                       |
| QLD   | Receipt               | Supply     | State          | The sum of all supply in QLD including supply from storage                                     |
| QLD   | Receipt               | Supply     | Facility       | Supply by production/storage facility  |
| SA    | Delivery/Gate Station | Demand     | Adelaide       | Aligned to the same points as the STTM   |
| SA    | Delivery              | Demand     | GPG            | ALL SA GPG connected to a BB pipeline, noting there is not GPG in the Adelaide STTM Hub        |
| SA    | Delivery              | Demand     | Storage        | The net sum of gas injected into storage   |
| SA    | Delivery/Gate Station | Demand     | Regional       | All other SA demand  |
| SA    | Delivery/Receipt      | Transfer   | SWQP           | Gas delivered or received from Moomba on the SWQP  |
| SA    | Delivery/Receipt      | Transfer   | MSP            | Gas delivered or received from Moomba on the Moomba Sydney Pipeline (MSP)                      |
| SA    | Delivery/Receipt      | Transfer   | SEA Gas        | Gas delivered or received from Moomba on the MSP   |

| State | Connection Point Type | Usage Type | Classification | Description   |
|-------|-----------------------|------------|----------------|---|
| SA    | Receipt               | Supply     | State          | The sum of all supply in SA including supply from storage                                     |
| SA    | Receipt               | Supply     | Facility       | Supply by production/storage facility   |
| NSW   | Delivery/Gate Station | Demand     | Sydney         | Aligned to the same points as the STTM  |
| NSW   | Delivery/Gate Station | Demand     | ACT            | Demand to Australian Capital Territory from MSP and EGP                                       |
| NSW   | Delivery              | Demand     | GPG            | All NSW GPG connected to a BB pipeline, excluding GPG in the Sydney STTM Hub                  |
| NSW   | Delivery              | Demand     | Storage        | The net sum of gas injected into storage  |
| NSW   | Delivery/Gate Station | Demand     | Regional       | All other NSW demand  |
| NSW   | Delivery/Receipt      | Transfer   | MSP            | Gas delivered or received from Moomba on MSP  |
| NSW   | Delivery/Receipt      | Transfer   | Culcairn       | Gas delivered or received from Culcairn   |
| NSW   | Delivery/Receipt      | Transfer   | EGP            | Gas delivered or received from the Eastern Gas Pipeline (EGP)                                 |
| NSW   | Receipt               | Supply     | State          | The sum of all supply in NSW including supply from storage                                    |
| NSW   | Receipt               | Supply     | Facility       | Supply by production/storage facility   |
| Vic   | Delivery/Gate Station | Demand     | Melbourne      | TBD. Victoria DTS data will be based on controllable data only for Forecasts and Nominations. |
| Vic   | Delivery              | Demand     | GPG            | All Vic GPG, including GPG outside of the declared transmission system                        |
| Vic   | Delivery              | Demand     | Storage        | The net sum of gas injected into storage  |
| Vic   | Delivery/Gate Station | Demand     | Regional       | All other Vic demand  |
| Vic   | Delivery/Receipt      | Transfer   | SEA Gas        | Gas delivered or received from SEA Gas  |
| Vic   | Delivery/Receipt      | Transfer   | Culcairn       | Gas delivered or received from Culcairn   |
| Vic   | Delivery/Receipt      | Transfer   | EGP            | Gas delivered or received from the Eastern Gas Pipeline (EGP)                                 |
| Vic   | Delivery/Receipt      | Transfer   | TGP            | Gas delivered or received from the Tasmania Gas Pipeline (TGP)                                |



| State | Connection Point Type | Usage Type | Classification | Description   |
|-------|-----------------------|------------|----------------|---|
| Vic   | Receipt               | Supply     | State          | The sum of all supply in Vic including supply from storage  |
| Vic   | Receipt               | Supply     | Facility       | Supply by production/storage facility   |
| Tas   | Delivery/Gate Station | Demand     | Total          | Available for the Forecast or Nomination data to avoid GPG being able to be calculated                        |
| Tas   | Delivery              | Demand     | GPG            | Not available as Forecast or Nomination but broken out after the gas day                                      |
| Tas   | Delivery/Gate Station | Demand     | Other          | Not available as Forecast or Nomination but broken out after the gas day                                      |
| Tas   | Delivery/Receipt      | Transfer   | TGP            | Gas delivered or received from the TGP  |
| NT    | Delivery              | Demand     | GPG            | All NT GPG that is connected to a BB pipeline (i.e. Darwin-Katherine System, Tennant Creek and Alice Springs) |
| NT    | Delivery/Gate Station | Demand     | Other          | All other demand in the NT  |
| NT    | Delivery              | Demand     | LNG            | Demand at the LNG Sites   |
| NT    | Delivery/Receipt      | Transfer   | NGP            | Gas delivered or received on the NGP to QLD   |
| NT    | Receipt               | Supply     | State          | The sum of all supply in NT including storage   |
| NT    | Receipt               | Supply     | Facility       | Supply by production/storage facility   |

## SCHEDULE 2. BUSINESS RULES

### (a) Moomba

Moomba production is defined as the following:

(Moomba LDB Storage Receipts minus Deliveries) + (MAP Actual Flows Receipts minus Deliveries) + (MSP Actual Flows Receipts minus Deliveries) + (SWQP Actual Flows Receipts minus Deliveries)

### (b) Adelaide

Adelaide demand is made up of the following connection points:

MAP

- Elizabeth
- Pelican Point
- Quarantine PS
- Osborne

- Taperoo
- Gepps Cross
- Dry Creek

SEA Gas

- Bolivar
- Cavan
- Torrens Island
- Quarantine
- Pelican Point

Pelican Point PS demand needs to be derived from a formula, because the number SEA Gas provides is inclusive of gas transferred to MAP. Hence the formula for PP demand is: Pelican Point – PCA (supplied by SEA Gas) minus PPIMS Injection (supplied by MAP)

(c) Wallumbilla

Wallumbilla zone is calculated based on the sum of net flows for the following pipelines:

1. QGP(WAL) – delivery (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
2. RBP(WAL) – delivery (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
3. SWQP(WAL) – delivery (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
4. BWP(WAL) – receipt (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
5. CRWP(WAL) – delivery (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
6. DDP(WAL) – receipt (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)
7. SGP(WAL) – receipt (Connection Point ID XXXX + Connection Point ID XXXX – Connection Point ID XXXX)

(d) Iona

To be developed

(e) Longford Compressor Station (LCS)

- (i) Gas from Longford Production Facility is received on the LMP and EGP, and the TGP receives it's gas from the EGP, therefore the gas that is for use on the EGP is: Longford Receipt on the EGP minus TGP delivery on the EGP.
- (ii) Gas on the Longford to Melbourne Pipeline (LMP) can be received from the Longford Receipt point, VicHub or TasHub, and gas can be delivered (notionally) to the VicHub. Therefore the gas that flows on the LMP from the LCS is: Longford Injection on the LMP plus VicHub injection and TasHub Injection.