NATURAL GAS SERVICES BULLETIN BOARD PROCEDURES V4.0

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FINAL

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Approved for distribution and use

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Date 18 / 6 /2015.

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4.0	14 July 15	Rebecca Denton	Nathan White	Joe Spurio	Addition of Curtis Island LNG Demand Zone

Important Notice

This document has been prepared by the Australian Energy Market Operator Limited (AEMO) for the purpose of Chapter 7 of the National Gas Law (NGL) and Parts 15B and 18 of the National Gas Rules (NGR or Rules), and has effect only for the purposes set out in the Rules. The NGL and the Rules prevail over the Procedures set out in this document to the extent of any inconsistency.

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Glossary

(a) In this document, a word or phrase *in this style* has the same meaning as given to that term in the Rules.

(b) In this document, capitalised words or phrases or acronyms have the meaning set out opposite those words, phrases, or acronyms in the table below.

(c) Unless the context otherwise requires, this document will be interpreted in accordance with Schedule 2 of the *NGL.*

TERM	MEANING
Authorised User	A person authorised by a *BB Participant* to submit information to the *Bulletin Board* for that *BB Participant*.
BB facility operator	The operator of a *BB facility*
Bulletin Board Reports List	The Bulletin Board Reports List published on the *Bulletin Board*
CEO	The Chief Executive Officer or a person holding an equivalent position within an entity.
Participant Build-Pack	The Participant Build-Pack published on the *Bulletin Board*
Procedures	The procedures in this document, being the BB Procedures as defined in the *NGL*.

Preamble

A. Information

(a) These Procedures are the BB Procedures made in accordance with section 227 of the National Gas Law for the regulation of the Natural Gas Services Bulletin Board.

(b) These Procedures may only be amended in accordance with Part 15B of the Rules.

B. Application

These Procedures apply to AEMO and each person to whom they are expressed to apply.

C. Legal and Regulatory Framework

These Procedures are made under section 227 of the *NGL* and includes matters contemplated by section 228 of the *NGL*, rule 135EA(3) of the Rules and Part 18 of the Rules.

D. Related Policies and Procedures

Not applicable

Substantive Provisions

1 Terms of Use

The *Bulletin Board* terms of use are set out in Schedule 1 to these procedures.

2 Demand and Production Zones

2.1 List of Zones

The *demand zones* and *production zones* used for the purposes of the *Bulletin Board* are as listed in Schedule 2 to these Procedures.

2.2 Review of Zones

AEMO may review the *demand zones* and *production zones* from time to time. Any change to the zones will require an amendment to these Procedures in accordance with Part 15B of the Rules.

3 Registration

3.1 Application for Registration

3.1.1 Application Forms

In accordance with rule *148(1)*, the application forms for registration of *BB participants* and for the registration and creation of user accounts for *Bulletin Board* Contacts are explained in the *Bulletin Board* Registration Kit published on the *Bulletin Board*.

The application for registration of a *BB participant* must be signed by the CEO or authorised signatory of the eligible organisation. This application must also identify the *Bulletin Board* responsible person who will be the principal organisational contact for *Bulletin Board* matters.

Upon or following registration of a *BB participant*, if the *BB participant* requires access to upload information to the *Bulletin Board* or access to the Emergency Page, then the *Bulletin Board* participant should register relevant *authorised users* using the *Bulletin Board* User Registration and Account Creation form. The CEO or authorised signatory of the *BB Participant* must authorise the application forms for each of the *Bulletin Board* Users. Note that *Bulletin Board* users include representatives from an agency that provides *Bulletin Board* services on behalf of that *BB participant*.

3.1.2 *Bulletin Board* Registration Kit

AEMO will maintain and publish a *Bulletin Board* Registration Kit and registration forms on the *Bulletin Board*.

3.2 Registers of *BB Participants*, *Bulletin Board* Contacts and *BB Facilities*

3.2.1 BB Participants

For the purposes of rules *141(1)*, *148* and *178(1)*, the details to be provided for each *eligible BB participant, including Bulletin Board* Contacts and *BB users* are contained in the registration forms included in a *Bulletin Board* Registration Kit published by AEMO on the *Bulletin Board*.

The registers of *BB participants* and *Bulletin Board* Contacts maintained by AEMO under rule *148(8)* will be in the form of the following reports that are specified in Bulletin Board Reports List:

- Registered *BB Participants* (all registered *BB participant* organisations)
- Registered *Bulletin Board* Contacts (all registered *Bulletin Board* Contacts identified as the responsible person(s) and the first point of contact for *Bulletin Board* matters within the organisation)

The register of *BB facilities* maintained by AEMO under rule *154* will be in the form of the following *Bulletin Board* report as specified in the Bulletin Board Reports List:

- *Bulletin Board* Facilities List (all *BB pipelines*, *BB production facilities* and *BB storage facilities*)

The initial list of *BB facilities* at commencement of the *Bulletin Board* is in Schedule 2 to the Rules. AEMO will maintain a current list of *BB facilities*, which will be published on the *Bulletin Board* in the *BB facilities* report as specified in the Bulletin Board Reports List.

Facilities that have been declared exempt under Part 18 of the Rules will be indicated in this report as required by rule *154(1)*.

4 Applications for Exemptions

4.1 Form of Application

For the purposes of rule *149(3)*, rule *150(3)* and rule *151(3)*, an application for exemption of a pipeline, storage facility or production facility, respectively, must be in writing to AEMO in the form provided in the *Bulletin Board* Registration Kit published by AEMO and be signed by the CEO or authorised signatory of the company that operates the facility.

It should be noted that an exemption application is only applicable if the relevant gas pipeline or facility:

- was published in the initial list *BB facilities* in Schedule 2 to the National Gas Rules; or
- is on the current register of *BB facilities* published on the *Bulletin Board* and has not been exempted; or
- has been declared by AEMO to be a *BB facility* and notice has been given.

4.2 Exemption may not be required

Operators of facilities that were commissioned before the commencement of Part 18 of the Rules should note that, unless the pipeline, storage or production facility under consideration is included in the initial list of *BB facilities* in Schedule 2 to the Rules or AEMO has advised that it intends under rule *153* to declare the pipeline, storage or production facility to be a *BB facility*, the operator of that pipeline, storage or production facility is not required to register in respect of that facility. In this case an application for exemption is unnecessary and should not be made.

4.3 Exemption Criteria and Expert Review Process

The exemption criteria for pipelines, storage and production facilities are specified in rules *149(5)*, *150(5)* and *151(7)* of the Rules, respectively.

The procedures relating to expert review of disputed AEMO decisions in regard to exemptions or declarations of *BB facilities* are specified in rule *155*.

5 Information Provision Obligations

5.1 Format of Information

a. For the purposes of rule *163(1)*, the information provided by *BB participants* under the Rules must be:

   i. In the specific file format for the relevant transactions specified in the Participant Build-Pack; and

   ii. Manually entered using a *Bulletin Board* web-form, uploaded to the *Bulletin Board* using the *Bulletin Board's* web-upload function, or submitted using FTP, as specified in the Participant Build-Pack; or

   iii. In the event of failure or unavailability of the *Bulletin Board* web-upload function, sent by email to an address nominated by AEMO in the specific file format as per (i), or by a another method agreed with AEMO.

b. AEMO may by notice to each registered *BB participant* nominate more than one electronic address for the purposes of electronic communications to AEMO under section 5.1(a)(iii) of these Procedures.

5.2 Restriction on Use of Free Text Facility

For the purposes of rule *179*, the use of the free text facility within the data/information files provided to AEMO under Division 5 of Part 18 of the Rules is restricted to a description of the reasons for, or comments directly related to the quantity or the change in quantity provided in respect of a *BB facility* (such as *daily production capacity outlook, nameplate rating, LCA flag, aggregated delivery nomination,* etc) and the times and/or dates or durations for which those quantities or changes in quantities are expected to apply.

For example, the reason for changes in quantities may be due to a range of circumstances that include planned outages due to cyclical maintenance, de-rating of plant, mothballing of plant, gas field performance, unplanned outages, gas escapes, plant repair, inspection/testing, augmentations and plant upgrades.

5.3 Nameplate Rating of *BB Facilities*

a. For the purposes of rule *164(2)*, rule *167(2)* and rule *170(2)*, each *production facility operator*, *BB storage provider* and *pipeline operator* must provide the *nameplate rating(s)* of each *BB facility* that it operates as specified in rule *164(1)*, rule *167(1)* and rule *170(1)*respectively, by 31 March each year.

   The *nameplate ratings* for each type of *BB facility* are defined in rule *141(2)*.

   Note that each *BB storage facility* has three *nameplate ratings*, while each *BB pipeline* and each *BB production facility* has one *nameplate rating*.

b. In respect to the initial provision of *nameplate rating* information upon commencement of the *Bulletin Board*, or upon subsequent registration as a *BB participant*, the *nameplate rating* information for each *BB facility* listed in Schedule 2 to the Rules or otherwise operated by the registering *BB participant* must be provided by the *BB participant* who operates that facility within 10 business days after that *BB participant* registers.

c. Updates to nameplate information.

   If *nameplate rating* information provided by a *BB facility operator* to AEMO in respect of a *BB facility* is no longer accurate due to changes in capacity that are likely to impact for more than one year, then rules *164(3)*, *167(3)* and *170(3)* require that information to be updated. Accordingly, the *nameplate rating* information provided must take account of long term changes to the availability and performance of plant.

   It is expected that *BB production facilities* will take account of any long-term trends in gas field performance if this is constraining or will constrain overall production capability.

   If there is a material change in plant or field performance that occurs, or is scheduled to occur, that is expected to have a long-term material impact on the capacity of a *BB facility* then the *BB facility operator* must provide the updated *nameplate rating* information to AEMO in a timely manner.

   For these purposes, 'long term' means a period of 12 months or more and a 'material change' to a *nameplate rating* means a long term change that exceeds 10% of the current *nameplate rating*.

5.4 Short Term Capacity Outlooks

a. For the purposes of rule *165*, rule *168* and rule *171* each *BB production facility operator, BB storage provider* and *BB pipeline operator* must provide the short term capacity outlook for each *BB facility* that it operates by 7 pm local time on each gas day.

   The *daily capacity* for a *gas day* in a current *short term capacity outlook* may be updated before or after that *gas day* has commenced (e.g. due to an unplanned event) by uploading an updated file in the standard format.

b. Short term changes to capacity

The *daily capacity* of a *BB facility* is specified in TJ/day. The *short term capacity outlook* should take account of short term changes to the availability and performance of plant that is materially impacting or will materially impact capacity during the 7-day outlook period.[1]

Operators of *BB production facilities* must also take account of any short term trends in gas field performance if this is constraining or will constrain overall production capability within the 7-day outlook.

For the purposes of the *short term capacity outlook*, a 'material' impact on capacity means a change in *daily capacity* exceeding the greater of:

i. 10% of the *nameplate rating*; and

ii. 30TJ/day.

Smaller changes in capacity due to normal day to day variations in operating conditions are not considered to be material and, therefore, no day to day change need be indicated in the daily capacity data provided.

The facility operator may provide the reason for the change in capacity by using the 'free text' field provided for in the transaction file or the web form.

The obligation on the *BB facility operator* is to ensure that the *short term capacity outlook* for the next 7-day period published on the *Bulletin Board* reasonably reflects the *BB facility operator's* knowledge of the plant capability and availability over that time.

c. Changes to capacity outlook on a *gas day*

In the event that the *daily capacity* for a *BB facility* materially changes on a *gas day* due to an unplanned outage or for any other reason, the *BB facility operator* may provide an updated *short term capacity outlook* at any time. Updated data submitted by a *BB facility operator* will be processed immediately upon receipt. Once validated, the data will be visible on the web reporting screen. The downloadable reports will be generated based on the event or time trigger specified in the BB Reports document.

d. The following are exceptions to the requirement to provide daily information under rule *165*, rule *168* or rule *171*:

i. Rule *165*, rule*168* and rule *171* do not apply to a *BB facility operator* in respect of a *BB facility* on a day if the *BB facility operator* considers the daily capacity outlook for that *BB facility* is unchanged from the data included in the last *short term capacity outlook* provided by that *BB facility operator* to AEMO for that *BB facility.*

ii. If on a day the *BB facility operator* does not provide the *short term capacity outlook* for a *BB facility* in accordance with these Procedures, then the *short term capacity outlook* data for that *BB Facility* will be deemed to be unchanged for each of the *gas day*s specified in the most recent *short term capacity outlook* data provided, and for subsequent *gas day*s the capacity outlook data will be deemed to be the same as the data for the last *gas day* included in the most recent *short term capacity outlook* provided to AEMO.

Illustrative Example

On Monday, a *BB facility operator* provides the following *short term capacity outlook* data:

Tue (*gas day*)	Wed (*d + 1*)	Thu (*d + 2*)	Fri *(d + 3)*	Sat *(d + 4)*	Sun *(d + 5)*	Mon *(d + 6)*
30 TJ	40TJ	50TJ	60TJ	40TJ	50TJ	50TJ

[1] The requirement to provide a 7 day short term capacity outlook will come into effect on 8 January 2015. Until this time, it is still acceptable to provide a 3 day capacity outlook.

On Tuesday, the *BB facility operator* does not provide any further *short term capacity outlook* data as no material change is expected, so the deemed *short term capacity outlook* commencing Wednesday for publication on the *Bulletin Board* will be:

Wed(*gas day*)	Thu (*d + 1*)	Fri (*d + 2*)	Sat (*d + 3*)	Sun (*d + 4*)	Mon (*d + 5*)	Tues (*d + 6*)
40TJ	50TJ	60TJ	40TJ	50TJ	50TJ	50TJ

Similarly, if no *short term capacity outlook* data is provided by the *BB facility operator* on Wednesday, the deemed *short term capacity outlook* from Thursday for publication on the *Bulletin Board* will be:

Thu (*gas day*)	Fri (*d + 1*)	Sat (*d + 2*)	Sun (*d + 3*)	Mon (*d + 4*)	Tues (*d + 5*)	Wed (*d + 6*)
50TJ	60TJ	40TJ	50TJ	50TJ	50TJ	50TJ

5.5 Actual Flows

a. With the exception of the *pipeline operator* of the declared transmission system, each *pipeline operator, production facility operator or BB storage provider* must provide the information for each *BB facility* that it operates as specified in rule *166*, *169*, and*174* in respect of each completed *gas day*:

   i. by 12 pm local time on the day following the day on which each *gas day* ends; and

   ii. in the manner specified in the Participant Build-Pack.

b. The *pipeline operator* of the declared transmission system must provide the information specified in rule *174(2)* in respect of each completed *gas day.*

   i. by 12 pm local time on the day following the day on which the *gas day* ends; and

   ii. in the manner specified in the Participant Build-Pack.

For example, if a particular *gas day* ends at 6:30 am CST on 1 July, the actual flow data is to be sent to AEMO by 12.00 pm CST on 2 July.

5.6 Linepack Capacity Adequacy (LCA)

a. For the purposes of rule *172(1)*, a *pipeline operator* must on each day provide the 3-day linepack capacity adequacy outlook ('LCA outlook') for each *BB pipeline* that it operates for a *gas day*, *day+1 and day+2* by 7 pm local time.

   In accordance with rule *172(2)*, a *pipeline operator* must update the *LCA flag* in respect of a *BB pipeline* as soon as practicable if it determines that the *LCA flag* status for any day in the current 3-day capacity outlook period no longer reflects its view of the actual or expected capability of the *BB pipeline* to meet the *aggregated delivery nominations* for that *gas day*.

   The 3-day LCA outlook of a pipeline is expressed as green, amber or red flags specified as follows:

LCA Flag	*BB pipelines* (other than the those within the declared transmission system)	Victorian declared transmission system. Longford to Melbourne Pipeline[2]
Green	Business as usual. Pipeline capacity and linepack is adequate to meet demand on the *gas day*.	Business as usual. Pipeline capacity, supply excluding LNG and linepack is adequate to meet forecast demand on the *gas day*. No LNG is scheduled to support system security.
Amber	Load shedding of one or more interruptible gas customers is likely or happening on the *gas day*. This may be related to upstream production shortfalls or outages, pipeline outages or constraints, gas escapes, depleting linepack or unexpected high demand on the *BB pipeline.*	LNG is scheduled or is otherwise being vaporised at a rate of no more than 100 tonnes/h such that in the absence of the scheduled quantity of LNG, there would be an actual or potential threat to system security.
Red	Involuntary load shedding of 'firm' load is likely or happening on the *gas day*. This may be related to upstream production shortfalls or outages, pipeline outages or constraints, gas escapes, depleting linepack or unexpected high demand on the *BB pipeline.*	LNG is scheduled or is otherwise being vaporised at a rate of more than 100 tonnes/h to mitigate an actual or potential threat to system security, and/or load is expected to be curtailed or has been curtailed.

The *pipeline operator* must provide the reason for the change in *LCA flag* by using the 'free text' field provided for in the transaction file or the web form.

The *pipeline operator* of the declared transmission system will set the *LCA flag* against the Longford to Melbourne Pipeline for *Bulletin Board* report purposes.

The obligation on the *pipeline operator* is to ensure that the 3-day LCA outlook published on the *Bulletin Board* is a reasonable reflection of the actual or expected capability of the pipeline to meet pipeline delivery nominations (demand).

b. Changes to *LCA flag* on a *gas day*

In the event that the LCA outlook changes on a *gas day* due to an unplanned event or for any other reason, the *pipeline operator* must provide an updated 3-day LCA outlook to AEMO as soon as practicable. Such updates will be processed immediately and published on the *Bulletin Board* by AEMO upon receipt of submitted data from a *BB Facility Operator*. Once validated, the data will be visible within minutes on the web reporting screen. The downloadable reports will be generated based on the event or time trigger specified in the BB Reports document.

c. The following are exceptions to the requirement to provide daily information under rule 172(1):

i. Rule *172(1)* does not apply to a *pipeline operator* in respect of a *BB pipeline* it operates on a day if the *pipeline operator* considers the LCA outlook is unchanged from the data included in the LCA outlook that was last provided to AEMO under rule *172(1).*

ii. If on a day the *pipeline operator* does not provide the information specified in rule *172(1)* in respect of a *BB pipeline* it operates to AEMO by the time and in the manner in these Procedures, then the last 3-day LCA outlook data provided for that pipeline will be deemed to be unchanged and the *LCA flag* for the subsequent *gas day* will be deemed to be the same as the *LCA flag* for *day+2.*

[2] The Longford to Melbourne pipeline is the default for the LCA flag unless the constraint is clearly associated with another BB pipeline such as the SWP.

Illustrative Example

On Monday, a *BB facility operator* provides the following 3-day LCA outlook:

Tue (*gas day*)	Wed (*day + 1*)	Thu (*day + 2*)
Green	Green	Green

On Tuesday morning, there is a production outage that is expected to impact deliveries on Tuesday, Wednesday and Thursday with voluntary load shedding likely all three days. The *pipeline operator* sends an update to the *Bulletin Board* later on the Tuesday morning after the situation is confirmed. This data will be used in the next LCA report:

Tues (*gas day*)	Wed (*day + 1*)	Thu (*day + 2*)
Amber	Amber	Amber

If no 3-day LCA outlook data is provided by the *BB facility operator* on Tuesday evening then the 3-day LCA outlook from Wednesday for publication on the *Bulletin Board* will be:

Wed (*gas day*)	Thu(*day + 1*)	Fri (*day + 2*)
Amber	Amber	Amber

In cases like the example above where amber or red *LCA flags* are involved, it is good practice for an LCA outlook file to be sent daily or as changes occurs until the associated capacity or supply issue is resolved.

5.7 Aggregated Forecast Pipeline Flows

a. For the purposes of rule *173(1)*, each *pipeline operator (*other than the *pipeline operator* of the declared transmission system) must provide the *aggregated delivery nominations by zone* and *aggregated forecast deliveries* by zone in TJ for each *BB pipeline* that it operates consistent with delivery nominations and forecast deliveries provided to it under relevant contracts or market arrangements.

AEMO must publish on the *Bulletin Board* a list of the relevant zone(s) and the default flow direction (where applicable) for each *BB pipeline.*

The *aggregated delivery nominations* by zone must be provided to AEMO by no later than 7 pm local time on the evening before each *gas day.*

The *aggregated forecast deliveries* by zone must be provided to AEMO by no later than 7 pm local time on the evening before the first *gas day* for which shippers' forecast deliveries apply and may be provided to AEMO as soon as practicable after it is received by the *pipeline operator*.

AEMO will publish on the *Bulletin Board* the *aggregated delivery nominations* by zone and *aggregated forecast deliveries* by zone and *BB pipeline* for up to the next 7 *gas day*s, however, *pipeline operators* may provide aggregated delivery information to the *Bulletin Board* for a longer period if available.

The *pipeline operator* may provide the reason for material change in *aggregate delivery nominations* or *aggregated forecast deliveries* on a *gas day* if this is known by using the 'free text' field provided for in the transaction file or the web form.

The obligation on the *pipeline operator* is to ensure that aggregated delivery data provided to AEMO reflects that provided to the *pipeline operator* by the relevant shippers.

b. Renominations for a Gas Day

In the event that there are renominations before or during a *gas day* that materially change the *aggregated delivery nominations* for the pipeline on that *gas day* (i.e. by more than the greater of 10% nameplate rating or 30TJ), the *pipeline operator* must provide this updated information on that *gas day* using the same standard file format. Any such updates must

be processed and published by AEMO in the relevant standard report(s) following the next *Bulletin Board* polling time as published on the *Bulletin Board*.

5.8 Aggregated Forecast Pipeline Flows (Declared Transmission System)

a. For the purposes of rule *173(2)*, a *pipeline operator* of the declared transmission system must each day provide to AEMO the following information consistent with the 6 am operational schedule for the *gas day* starting on that day, and the operational schedules for the two subsequent *gas days*, as provided for under the Rules, as soon as practicable after each schedule is finalised*:*

   i. The aggregated *scheduled injections* less any *scheduled withdrawals* within the relevant *production zone* for *each BB pipeline* other than the NSW-Victoria Interconnect;

   ii. The daily net flow scheduled for the NSW-Victoria Interconnect through Culcairn; where a net flow North over a gas day is expressed as a positive quantity and net flow South is expressed as a negative quantity; and

   iii. The aggregate quantity of LNG scheduled.

   The obligation on the *pipeline operator* is to ensure that aggregated injection data provided to AEMO reflects the operational schedules.

   For *Bulletin Board* purposes, scheduled injections or withdrawals into the Longford to Melbourne pipeline at Pakenham from the Lang Lang facility (BassGas) will be aggregated with scheduled flows from Longford.

b. Reschedules on current gas day

   Where a reschedule on the current *gas day* materially changes aggregated injections or flows on a *BB pipeline* (i.e. by more than the greater of 30 TJ or 10% of the previously scheduled flow on that *BB pipeline*), or there is a change in the amount of LNG scheduled, the *pipeline operator* of the declared transmission system must provide updated scheduled injection/flow information to AEMO based on the reschedule as soon as practicable after the schedule is finalised. Any such updates will be processed and published by AEMO in the relevant standard report(s) following the next *Bulletin Board* polling time as published on the *Bulletin Board*.

   The *pipeline operator* may provide the reason for a material change in scheduled flows by using the 'free text' field provided for in the transaction file or the web form.

   Notwithstanding the above, the *pipeline operator* may choose for system reasons or otherwise to provide updated scheduled flow information to AEMO after any or every reschedule that occurs on a *gas day.*

5.9 Medium Term Capacity Outlook[3]

a. For the purposes of rule *165*, rule *168* and rule *171*, a *medium term capacity outlook* provides information about the expected capacity of a *BB facility* in the period covered by the outlook, and in particular about the timing and impact of planned activities that may reduce or increase the *daily capacity* of the *BB facility* relative to its normal capacity.

b. A *medium term capacity outlook* must identify the *BB facility* to which it relates and may include (by way of example):

   i. the expected start and end dates of activities expected to affect *daily capacity*;

   ii. a description of the relevant activity;

[3] The requirement to provide medium term capacity outlooks will come into effect on 8 January 2015. Until this time, this data can be submitted on a voluntary basis to AEMO.

iii. the expected *daily capacity* of the *BB facility* during that period; and

iv. a statement that no relevant maintenance activities have been planned for the *BB facility*.

c. A *BB production facility operator, BB storage provider* or *BB pipeline operator* may remove any information that is confidential to an individual BB shipper from the copy of a *medium term capacity outlook* that it provides to AEMO.

6 Spare Capacity or Gas Notifications

6.1 Spare Capacity Notifications

For the purposes of rule *176(1)*, a *BB participant* may post notifications of spare pipeline ~~or facility~~ capacity it has available for purchase by submitting a capacity listing request via the Gas Supply Hub (GSH) listing service in accordance with the *exchange agreement.*

6.2 Gas Available for Purchase

For the purposes of rule *177(1)*, a *BB participant* may post notifications of gas available for purchase by submitting a capacity listing request via the Gas Supply Hub (GSH) listing service in accordance with the *exchange agreement.*

6.3 Capacity Sought for Purchase

For the purposes of rule *176(2)*, a *BB participant* may post notifications that it wishes to purchase pipeline capacity by submitting a capacity listing request via the Gas Supply Hub (GSH) listing service in accordance with the *exchange agreement.*

6.4 Gas Sought for Purchase

For the purposes of rule *177(2)*, a *BB participant* may post notifications that it wishes to purchase gas by submitting a capacity listing request via the Gas Supply Hub (GSH) listing service in accordance with the *exchange agreement.*

AEMO will publish these notifications in the 'Transmission Capacity Listing' page, which will display the current data listed on GSH.

7 Operation of the Bulletin Board

7.1 Publication of Information

a. Access to *Bulletin Board* Reports

The information to be published by AEMO on the *Bulletin Board* (rule *145* must be published on the *Bulletin Board* **http://www.gasbb.com.au** in a series of standard reports that are listed and specified in detail in the Bulletin Board Reports List.

All reports with the exception of the *BB participant* transaction logs will be accessible by the public.

The report information will be displayed in tabular and graphical form on the *Bulletin Board*. The tabular data will be capable of being selectively date ranged and sortable by a number

of columns and of being downloaded in CSV format. The graphical data can be downloaded in image format.

Each *BB participant* will have exclusive access to its own transaction log report of the status of data/information files provided to AEMO via FTP. A separate transaction log report will be generated for each file submitted via FTP. Data/information provided to AEMO via web-form or website upload will be confirmed/rejected upon submission.

b. Information to be published unchanged

The *BB facility* related data in the files/records received by AEMO that adhere to the required CSV file format set out in the Participant Build-Pack and that pass minimum acceptance criteria must, unless otherwise specified in these Procedures, be published unchanged by AEMO in the standard reports specified in the Bulletin Board Reports List.

Any deemed values in respect to *short term capacity outlook* or *LCA flags* will be published in accordance with the provisions in procedures 5.4(d) and 5.6(c), respectively.

c. Minimum Acceptance Criteria

On receipt of a data under the provisions of Division 5 of the rules, either from a standard CSV file through FTP or web-upload process, or from a correctly completed webform, the *Bulletin Board* system will automatically check the file/form against minimum acceptance criteria such as file completeness, valid *BB facility* code, zones, dates etc, as specified in the Participant Build-Pack. Upon completion, the outcome of these checks will be displayed upon submission via the webform/web-upload process, or posted in the *BB participant's* transaction log for data files submitted via FTP.

7.2 Summary of Bulletin Board Reports

a) Reports

AEMO must publish the following reports on the *Bulletin Board*:

- ***Bulletin Board* Facilities List** (of all *BB pipelines, BB production* and *BB storage facilities*)
- **Zones List** (*Bulletin Board production* and *demand zones*)
- **Standing Capacities** (*nameplate ratings* for all *BB pipelines, BB production facilities* and *BB storage facilities*)
- **Standing Peak Day Demand forecasts** (for summer and winter and for each Jurisdiction and *demand zone*)
- **Linepack Capacity Adequacy** (3-day LCA outlook for each *BB pipeline*)
- **Short Term Capacity Outlook** (7-day outlook for each *BB pipeline*, *BB production facility* and *BB storage facility*)
- **Medium Term Capacity Outlook** (medium term capacity data received from *BB Participants* is converted to PDF and uploaded to the *Bulletin Board*)
- **Forecast Pipeline Flows** (*aggregate delivery nominations* and *aggregate forecast deliveries* by zone and, for Victoria, net *scheduled injections* by *BB pipeline* zone)
- **Actual Flows 7 days** (aggregate production/deliveries/injections as applicable for each *BB pipeline* by zone and each *BB production* and *BB storage facility* for each day, up to 7 completed gas days)
- **Actual Flows Previous Month** (aggregate production/deliveries/injections as applicable for each *BB pipeline* by zone and each *BB production* and *BB storage*

facility for each day in the previous calendar month) – this report will only be published in FTP folder.

- **Registered *Bulletin Board* Contacts** (All registered *Bulletin Board* Contacts)
- **Registered *BB Participants*** (All registered *BB participant* organisations)
- **Emergency Status** (authorised emergency status/statement for publication)
- **Emergency Information** (*emergency information page* report)
- **Transaction Log** (report for each *BB participant* with exclusive access by that *BB participant*, provides status of each csv file received via FTP by AEMO after basic validation checks)

b) Archived Reports accessible on *Bulletin Board* for a limited period

AEMO will provide on-line access on the *Bulletin Board* to archived reports for a period of two years. The archiving process is detailed in the Participant Build-Pack.

Access to archived reports no longer accessible on the *Bulletin Board* is provided for in section 7.7 of these Procedures.

7.3 Polling Times and Publication

On receipt of new data files from *BB participants* (that pass the minimum acceptance criteria described in 7.1(b) of these Procedures), processing and updating (if applicable) of the relevant *Bulletin Board* reports will occur within minutes on the web reporting screen. The published CSV reports will be generated based on this event, or time trigger specified in the BB Reports document. AEMO must conduct checks on the file(s) against minimum acceptance criteria and notify the relevant *Bulletin Board* contact within one business day if the file does not meet the criteria.

7.4 Gas Day Ranges Published in Reports

Many operational reports published on the *Bulletin Board* show quantities against *gas day* for a range of *gas days.* In these reports, the information will move forward by one *gas day* in the first *Bulletin Board* report update cycle following the first polling time on or after 3 am AEST.

By way of example, in the 3-day capacity report illustrated in the table below, the *gas day* dates in the capacity report move forward one day in the first updated reports published after 3 am AEST. In this example, it is assumed that the frequency of polling and table updating is less than 10 minutes such that the change in the *gas day*s reported is seen when the AEST time is 3:10 am.

Time report accessed				**Short term capacity outlook**						
Date	**Local**	**Juris.**	**AEST**	**day 1**	**day 2**	**day 3**	**day 4**	**day 5**	**day 6**	**day 7**
2-Jan	5:00 AM	Qld	6:00 AM	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan
2-Jan	1:00 PM	Qld	2:00 PM	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan
2-Jan	8:00 PM	Qld	9:00 PM	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan
3-Jan	**1:00 AM**	**Qld**	**2:00 AM**	**2-Jan**	**3-Jan**	**4-Jan**	**5-Jan**	**6-Jan**	**7-Jan**	**8-Jan**
3-Jan	**2:10 AM**	**Qld**	**3:10 AM**	**3-Jan**	**4-Jan**	**5-Jan**	**6-Jan**	**7-Jan**	**8-Jan**	**9-Jan**
3-Jan	5:00 AM	Qld	6:00 AM	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan
3-Jan	1:00 PM	Qld	2:00 PM	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan
3-Jan	11:00 PM	Qld	12:00 AM	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan
4-Jan	1:00 AM	Qld	2:00 AM	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan

7.5 Use of Deemed Values for 'Capacity Outlook' and 'Linepack Capacity Adequacy' Reports

If the short term capacity outlook for a *BB facility* or the 3-day LCA outlook for a *BB pipeline* has not been received in the standard format and validated by AEMO by 3 am AEST, AEMO will implement the provisions for deemed values specified in procedures 5.4(d) or 5.6(c), respectively.

7.6 *Bulletin Board* Interactive Map

AEMO must maintain an interactive map on the *Bulletin Board* which displays *BB pipelines*, key *production* and *demand zones* and shows the current *gas day* capacity and flow data and *LCA flag* for each *BB pipeline*. The colour of each *BB pipeline* will be set by the *LCA flag.*

The forecast flows and capacity and the *LCA flags* will be sourced from the current 'Forecast Pipeline Flows', 'Capacity Outlook' and 'Linepack Capacity Adequacy' reports.

The *gas day* on the map will move forward to the next *gas day* after the first update of *Bulletin Board* reports following the 3 am AEST polling time. For example, soon after 3 am AEST on 15 July, the map will show forecast capacity and flow data for *BB facilities* pertaining to *gas days* (as advised by *BB facility operators* of each facility) that begin on 15 July.

The map will display any 'within-day' updates of forecast information as soon as the relevant *Bulletin Board* reports are updated following receipt of revised information from a *BB facility operator.*

7.7 Archived Information Retrieval Services

Bulletin Board reports will remain on the *Bulletin Board* for two years. The GBB website will have an 'Archive' page where users can download historical reports. At the end of each month all, the public CSV reports generated in that month will be compressed into a zip file and published on the GBB website archive page.

The archive will contain monthly zip files for the last two years worth of data/reports. After a two year period they will be removed and archived by AEMO as detailed in the Participant Build-Pack.

For the purposes of rule *186*, AEMO shall provide information retrieval services. On request for retrieval of *Bulletin Board* information, in writing or as otherwise agreed by AEMO, AEMO shall provide information retrieval services including:

- the definition of information requirements and customer follow-up;
- archive data/information retrieval, data collation and preparation; and
- postal, courier or other delivery services.

The delivery time will be subject to available resources and the nature of the information sought. AEMO must provide and charge a fee for such information retrieval services at rates published on the *Bulletin Board*. If requested prior to an order being placed, AEMO will provide an estimate of costs and the date by which a request can be completed.

AEMO will review information retrieval services and publish the relevant rates to apply for these services in the next *invoice period* on the *Bulletin Board* no less than 20 business days before that *invoice period* commences. AEMO will respond to queries from *BB Participants* in respect to the rates prior to commencement of the invoice period.

Note: AEMO will not provide data analysis or modelling as part of these services.

7.8 *Bulletin Board* System Operations

AEMO must use reasonable endeavors to achieve continuous operation of the *Bulletin Board*, except during planned maintenance and other unplanned outages. AEMO will notify *BB participants* of any planned or unplanned *Bulletin Board* system down-time in a timely manner on the *Bulletin Board* or by email or other suitable means of communication.

8 Annual Projections of Gas Demand

8.1 *Bulletin Board* Operator to Publish Peak Demand

For the purposes of rule *180(2)*, AEMO must prepare and publish gas peak day demand forecasts in TJ for each *demand zone* by:

- 1 September each year for summer peak days covering the upcoming period from November to March inclusive; and
- 1 March each year for winter peak days covering the upcoming period from May to September inclusive.

8.2 Preparation of Forecasts

To the extent possible, the forecasts will reflect or be consistent with peak day gas demand forecasts that are published in current planning documents prepared by or on behalf of *NGERAC* or AEMO, or the relevant jurisdiction(s), subject to agreement with the relevant authority, if required.

If none of the appropriate planning documents referred to above are available or suitable, AEMO may prepare and publish indicative peak day demand forecasts based on the most recent year's *BB pipeline* flow data with explanations of any adjustments indicated in the free text description.

9 Emergency Information Page

9.1 *Emergency Information Page* Activation

On activation or deactivation of the *emergency information page*, AEMO must indicate on the public section of the *Bulletin Board* that the *emergency information page* of the *Bulletin Board* has been activated or deactivated.

For the purposes of rule *183* the activation of the *emergency information page* by AEMO includes an *emergency use indicator* on all public pages of the *Bulletin Board*.

This indicator will be automatically switched off when the *emergency information page* is deactivated.

9.2 Information Required

The nature and type of information to be published on the *emergency information page* is specified in the *NGERAC* Gas Emergency Procedures Manual or, in cases where the emergency is being managed within a jurisdiction, the relevant jurisdiction's emergency procedures or guidelines or agreed processes apply.

9.3 Emergency Status (Public Statement)

For the purposes of rule *184* AEMO will upload public statements to the public section of the *Bulletin Board* on request of an *authorised representative* of a jurisdiction.

The exact text of the public statement must be provided by fax or e-mail with jurisdiction letterhead including the name and title of the authorised person making the statement and be signed by the authorised person.

If available, a copy of the document (fax or email) in pdf format must be uploaded to the *Bulletin Board* notices page and AEMO will provide a link to that document from the emergency status report. If the copy is not available or is unsuitable, AEMO must input the information as received into the emergency status report and publish that report on the *Bulletin Board* in the form specified in the Bulletin Board Reports List.

10 Cost Recovery by the Operator

10.1 Basis of Preparation of *Bulletin Board* Costs and Budgets

The principles for *Bulletin Board* costing and budget reporting will be based on the accrual basis of accounting and in accordance with applicable Australian Accounting Standards and other mandatory professional requirements including the Australian equivalents to International Financial Reporting Standards (A-IFRS).

Since AEMO functions are expected to comprise a sub-set of the overall functions of AEMO's parent organisation (i.e. AEMO, and VENCorp prior to AEMO's establishment) the costs allocated to the *Bulletin Board* will include identifiable direct *Bulletin Board* costs plus an allocation of corporate costs.

Direct Costs

Direct costs associated with the *Bulletin Board* function may include, but are not limited to: labour, licences, hardware, software, depreciation and legal and audit costs. The payments to *pipeline operators* related to the provision of *aggregation and information services* will also be included as direct *Bulletin Board* costs.

Allocation of Corporate Costs

Indirect corporate costs are to be allocated against AEMO function based on documented allocation methods that have been approved by the Management of the parent organisation.

Accordingly, AEMO function will be allocated a share of overall corporate costs on the following basis:

i. Organisation-wide corporate costs associated with computing, depreciation, insurance and occupancy are allocated in the ratio of full time equivalent staff assigned to AEMO functions to the total full time equivalent staff of the organisation; and

ii. Other organisation-wide corporate costs are allocated in the ratio of the number of hours recorded as being worked on AEMO functions to the total organisational working hours.

10.2 Financial Arrangements

The costs of *Bulletin Board* operation will be captured and ring-fenced.

The BB actual revenues and costs against budget must be reported by AEMO on a monthly basis for review by the Executive and Board.

10.3 AEMO to Publish Projected Costs and Budget Estimates

AEMO will, no less than 30 business days before the start of the *invoice period*, determine and publish on the *Bulletin Board*:

i. Estimates of the *Bulletin Board* revenues and costs for the previous *invoice period* (with the exception of the first invoice period); and

ii. Budget of the *Bulletin Board* for the *invoice period* (with the exception of the first invoice period).

AEMO will respond to queries from *BB participants* for a period of at least 10 business days after publication of these estimates.

10.4 Publication of Actual *Bulletin Board* Operating Costs

AEMO will, no later than 60 business days after the start of the *invoice period*, determine and publish on the *Bulletin Board*:

i. The *Bulletin Board* actual revenues and costs for the previous *invoice period* (with the exception of the first *invoice period*); and

ii. The *Bulletin Board* total estimated costs for the *invoice period* including any adjustments from the previous *invoice period.*

10.5 Example of *BB Shipper* Fee Calculations

a. *Bulletin Board* Estimated Costs

For simplicity, the following examples *Bulletin Board* fee calculations use allocated delivered gas quantities expressed in whole numbers of petajoules (PJ) rather than TJ.

Assume the following costs have been determined by AEMO.

AEMO's estimated operating costs (budget) for the *invoice period*:

E_p = $180,000

AEMO's estimate of bad debts less any recoveries from previous *invoice period(s)*:

$U - UR$ =$5000

AEMO's actual operational costs for previous *invoice period*:

A_{p-1} = $170,000

AEMO's estimated operational costs (budget) for previous *invoice period*:

E_{p-1} =$165,000 as published a year earlier

The total estimated costs to be recovered by AEMO are therefore:

$T = [E_p + (U - UR)] + [A_{p-1} - E_{p-1}]$

= [$180,000 +$5000] + [$170,000 - $165,000] =$190,000

= [$185,000] + [$5,000]

= $190,000

Note that the total estimated costs above excluding 'true-ups' is $185,000 which is adjusted by AEMO's 'true-up' amount for the previous *invoice period* which is $5,000.

b. Calculation of *Bulletin Board* Shippers' Individual Fees

i. Allocated Gas Deliveries

For simplicity assume there are three *BB shippers* only: Shipper A, Shipper B and Shipper C.

Using the information provided by all *pipeline operators*, AEMO determines that Shipper A's, Shipper B's and Shipper B's aggregated allocated deliveries on all *BB pipelines* in previous *invoice period* are:

UGA_{p-1} = 60 PJ, UGB_{p-1} =30 PJ and UGC_{p-1} = 10 PJ, respectively

The total of all shippers' aggregated allocated deliveries on all *BB pipelines* in previous *invoice period* is:

$\boldsymbol{TG_{p-1}}$ = 100 P

Shipper A's share of allocated gas deliveries in the previous *invoice period* is:

$\boldsymbol{UGA_{p-1} / TG_{p-1}}$ = 60.0%

Shipper B's share of allocated gas deliveries in the previous *invoice period* is:

$\boldsymbol{UGB_{p-1} / TG_{p-1}}$ = 30.0%

Shipper C's share of allocated gas deliveries in the previous *invoice period* is:

$\boldsymbol{UGC_{p-1} / TG_{p-1}}$ = 10.0%

ii. Shipper's shares of estimated costs excluding true-up amounts.

Shipper A's share of total estimated cost for the *invoice period* excluding the 'true-up' for previous *invoice period*:

= 60.0% x $\boldsymbol{(E_p + U - UR) =}$ 60.0%*$185,000 = $111,000

Similarly, Shipper B's share of total estimated cost for the invoice period excluding 'true-up' up' for the previous *invoice period* is:

= 30.0%*$185,000 = $55,500

And Shipper C's share of total estimated cost for the *invoice period* excluding 'true-up' up' for previous *invoice period* is:

= 10.0%*$185,000 = $18,500

iii. *BB Shippers'* individual 'true-up' amounts for previous *invoice period*

Assume Shipper A's share of allocated gas deliveries in *invoice period* preceding the previous *invoice period* was 65.0% , Shipper B's was 25.0% and Shipper C's was 10.0%.

Shipper A's 'true-up' amount is:

$\boldsymbol{TRA_{p-1}}$ = 60.0%x $\boldsymbol{A_{p-1}}$ - 65.0%x $\boldsymbol{E_{p-1}}$

= 60.0% x $170,000 - 65.0% x $165,000

= $102,000 - $107,250

= -$5,250 i.e. $5,250 to be repaid to Shipper A

Shipper B's 'true-up' amount is:

$\boldsymbol{TRB_{p-1}}$ = 30.0% x $170,000 – 25.0% x $165,000

= $51,000 - $41,250

= +$9,750 i.e. $9,750 to be recovered from Shipper B

Shipper C's 'true-up' amount is:

$\boldsymbol{TRC_{p-1}}$ = 10.0% x $170,000 – 10.0% x $165,000

= $17,000 - $16,500

= +$500 i.e. $500 to be recovered from Shipper C

Note that total of all the shippers' 'true-up' amounts equals AEMO's overall 'true-up' amount"

= $9,750 +$500 - $5,250

= $5,000

The shipper's estimated costs adjusted for the true-up as shown above will be the invoice amount for the *invoice period*. If this is a negative quantity then AEMO must pay the shipper that amount.

10.6 Pipeline Operators to Provide Information Required for Cost Recovery

For the purposed of rule *197*, within 20 business days after the commencement of an *invoice period* each *pipeline operator* will provide to AEMO the following information for each *BB pipeline* that it operates in the file format and manner specified in the Participant Build-Pack:

i. The aggregate allocated delivered quantities of gas during the previous *invoice period* expressed in terajoules (TJ) for each *BB shipper* by *BB pipeline*; and

ii. The total allocated delivered quantities of gas during the previous *invoice period* expressed in terajoules (TJ) for each *BB pipeline*.

These quantities will be as determined under contract arrangements between each *BB shipper* and the *pipeline operator* or under the market arrangements for the *declared transmission system*.

10.7 Calculation of *Bulletin Board* Shipper's Aggregated Allocated Deliveries

For the purposes of rule *191*, AEMO must set the value of *UG*, the allocated delivered gas for each *BB shipper* to be equal to the sum of the aggregate delivered quantities of gas for that *shipper* on all *BB pipelines* during the previous *invoice period*.

AEMO must set the value of TG the total gas delivered) to be equal to the sum of the UG for all shippers during the previous *invoice period*.

If a *Shipper* ('shipper A') is subsumed or bought out or by another *Shipper* ('shipper B') then for *Bulletin Board* cost share calculation purposes, shipper B's UG value will include the aggregate allocated delivered quantities of gas for shipper A on all *BB pipelines* during the previous *invoice period*.

If a *Shipper* ('shipper A') no longer exists as an operating entity and its services to gas end-users have not transferred to another *Shipper* because the end-use customer gas loads that were serviced by shipper in the previous *invoice period* no longer exist, then the aggregated delivered quantities of gas UG for shipper A will not be included in the calculation of TG for the previous period and an allocation of cost for the *invoice period* will not be made to shipper A.

In respect to determining shipper's fees for the first *invoice period* ending 30 June 2009, the previous *invoice period* is taken as the period from 1 July 2007 to 30 June 2008 inclusive. Each *pipeline operator* must determine the aggregate allocated delivered quantities of gas to demand zones in terajoules (TJ) for each shipper it provided pipeline transport service during the period 1 July 2007 to 30 Jun 2008 inclusive, for each pipeline that it operated during that period that has since been identified as a *BB pipeline* in Schedule 2 of the Rules.

11 Cost Recovery by *Pipeline Operators*

For the purposes of rule *197*, a *pipeline operator* that wishes to recover its additional costs of providing *aggregation and information services* to *BB shippers* under rule *173* and rule *196*, (i.e. over and above the costs of meeting its other *Bulletin Board* obligations), must provide forecast estimates of those costs for an *invoice period* and the actual allocated costs for the previous *invoice period* to AEMO together with supporting information.

The supporting information provided by the *pipeline operator* to AEMO to substantiate the forecast cost estimates and actual costs must include but is not limited to the following:

i. The *BB pipelines* it operates;

ii. The number of *BB shippers* on each of these *BB pipelines*; and

iii. The estimated breakdown of costs in terms of:

- time allocations to *aggregation and information services* tasks;
- applicable labour cost rates;
- fixed cost allocations; and
- other costs (specify).

Schedule 1 *Bulletin Board* Terms of Use

The *Bulletin Board* terms of use for access and use of the *Bulletin Board* and any information published on the *Bulletin Board* are set out in the following agreement.

All *BB users* must read and agree to the agreement below ('the Agreement') prior to accessing information on the *Bulletin Board*. It contains, amongst other things, limitations on the use of the material appearing on the *Bulletin Board* and an indemnity against the consequences of any use made of that material.

Sections 1 to 3 below comprise the "click-wrap" agreement that *BB users* must agree to when accessing information on the public sections of the *Bulletin Board*.

Section 4 has additional terms of use that *Bulletin Board* Contacts must agree to in addition to those in Sections 1 to 3 before accessing the *Bulletin Board* by logging into their user account.

Gas Market *Bulletin Board*: User Agreement

1. This Agreement
    a. This Agreement sets out the terms and conditions that govern your use of http://www.gasbb.com.au (the ***Bulletin Board***). It is legally binding on you and subject to the laws of Commonwealth or States of Australia.

    b. You must agree to all of the terms and conditions contained in this Agreement to use the *Bulletin Board*. If you do not agree to any of the terms and conditions contained in this Agreement then you must not use the *Bulletin Board*.

    c. The *Bulletin Board* comprises information and messages (referred to as "Content") supplied by a number of participants in the Australian gas market (including production facility operators, storage facility operators, pipeline operators and shippers) and jurisdictional representatives (collectively referred to as "Content Providers").

    d. You agree and acknowledge that AEMO, the operator of the *Bulletin Board*, is not responsible for the Content which appears on the *Bulletin Board*. AEMO does not screen, review or control Content submitted to the *Bulletin Board* prior to posting.

2. No Liability
    a. AEMO and the Content Providers and their respective officers and employees:

        i. do not make any representations or warranties, express or implied, as to the accuracy or completeness of any Content or the continued availability of the Content on the *Bulletin Board*;

        ii. to the extent permitted by law, disclaim all implied representations or warranties as to the accuracy or completeness of any Content or the continued availability of the Content on the *Bulletin Board*; and

        iii. except as otherwise provided in the National Gas Law, are not liable in any way for any loss or damage arising directly or indirectly out of or in connection with your use of, or inability to use, the *Bulletin Board*.

    b. AEMO enters into clause 2(a) and clause 3(b) of this Agreement as agent for the Content Providers and for the officers and employees of AEMO and the Content Providers.

c. Without limiting clause 2(a) and clause 3(b) of this Agreement, under the National Gas Law:

   i. except in cases of bad faith or negligence, AEMO, the Content Providers and their respective officers and employees are exempt from liability to pay damages or compensation to any person in respect of the Content posted on the *Bulletin Board*; and

   ii. to the extent that AEMO, the Content Providers and their respective officers and employees are liable for negligence, then that liability may be capped by regulations made under the National Gas Law.

3. Use of the *Bulletin Board*

   a. The Content appearing on the *Bulletin Board* is intended to be used for guidance only. It is not of market settlements quality. You agree that you will not rely on any Content appearing on the *Bulletin Board*.

   b. Unless you have received separate permission from AEMO to do so, you will not be able to submit your own Content for display on the *Bulletin Board*.

   c. AEMO does not endorse the Content appearing on the *Bulletin Board* and the Content does not reflect the opinions or policies of AEMO.

   d. AEMO reserves the right to suspend your use of the *Bulletin Board*, and to edit, restrict or remove Content, for any reason at any time.

4. Additional Terms of Use for *BB Participants* and *Bulletin Board* Contacts

   In addition to the above, users who are *Bulletin Board* Contacts acting on behalf of a registered *BB Participant* or are applying for a *Bulletin Board* Contact user account must read and agree to the following terms of use.

   You must at all times ensure that:

   i. no improper, fraudulent or unlawful use is made of the *Bulletin Board* directly or indirectly including any activity which is prohibited under any law of the Commonwealth or States of Australia or elsewhere; and

   ii. information from the emergency information page must not be disclosed other than for the purposes of managing or responding to an emergency or as otherwise required by law.

Schedule 2 *Demand Zones* and *Production Zones*

a. Demand Zones

The *demand zones* either correspond to the overall load serviced by an individual *BB pipeline* (including its laterals, connecting networks and minor pipelines) or to 'hub' load centres that are serviced by two or more *BB pipelines* such as the SYD, ACT and ADL and VIC *demand zones*.

Those *BB pipelines* that must provide *nominations*, forecast deliveries for that zone, or *scheduled injections* for the VIC zone are indicated in the RH column.

From the date identified in a notice published by AEMO, the Curtis Island LNG Demand Zone will be effective on the GBB.

Demand Zone	Description	*BB pipeline* nominations, flows required
Declared Transmission System (VIC)	Demand supplied off the declared transmission system (DTS), includes demand on the Western Transmission system, the Carisbrook to Horsham pipeline, on laterals that may extend into NSW. **Exclusions:** Net exports via VicHub, the Interconnect or Iona withdrawals.	Longford-MP, SouthWestP, Vic –NSW Interconnect LNG
Tasmanian Gas Pipeline (TGP)	Demand supplied off the TGP within Tasmania.	TGP
Eastern Gas Pipeline (EGP)	Demand supplied through the EGP including to the ACT and Sydney zones. **Exclusions**: flows via VicHub to the Longford-Melbourne pipeline or to the TGP.	EGP
Moomba to Adelaide Pipeline System (MAP)	Demand supplied through MAP system including all laterals and including the Adelaide *demand zone*.	MAP
Moomba to Sydney Pipeline System (MSP)	Demand supplied through the MSP including its laterals, through Wilton CG and Canberra CG (Watson) but excluding any export flows to Victoria via the Interconnect.	MSP
SEA Gas (SEA)	Demand supplied through SEA Gas and its laterals or connecting pipelines including the ADL zone. **Exclusions:** Net flows on the day to Iona UGS and excluding flows to Iona via the Minerva to Iona pipeline.	SEA Gas

Demand Zone	Description	*BB pipeline* nominations, flows required
Adelaide (ADL)	Demand supplied through SEA Gas CG (Cavan) and the MAP CG (Gepps Cross), including demand from the Torrens Island and Pelican Point gas fired generators and any other direct connected loads in the Adelaide area. **Exclusions**: deliveries to that part of Adelaide supplied via off-takes on the MAP upstream of Gepps Cross CG i.e. at Taperoo and Elizabeth that can only be supplied from the MAP and, hence are not included the Adelaide 'Hub' zone.	SEA Gas, MAP
Aust. Capital Territory (ACT)	Demand supplied through either the EGP CG at Hoskinstown or the MSP-Canberra CG at Watson.	MSP, EGP
Sydney (SYD)	Demand supplied through the MSP at Wilton CG and the EGP at Horsley Park CG, the EGP at Albion Park CG, and EGP at Wollongong CG including Port Kembla loads and Newcastle. Includes *BB production facilities* that directly supply the Sydney *demand zone*. **Exclusions:** The Smithfield load can only be supplied from the EGP and, hence, is not in the Sydney 'Hub' zone.	MSP, EGP
Roma to Brisbane Pipeline (RBP)	Demand supplied via RBP downstream of Wallumbilla to Brisbane including the Brisbane load and demand on laterals to the RBP and any other connecting pipeline loads supplied via the RBP.	RBP
Queensland Gas Pipeline (QGP)	Demand supplied via QGP downstream of Wallumbilla and to Gladstone extending to Rockhampton and Maryborough loads, all laterals to the QGP or connecting pipelines. **Exclusions:** Any net flow to Wallumbilla.	QGP
South West Queensland Pipeline (SWQP)	Demand on the SWQP west of Wallumbilla and to Ballera including that from the Cheepie to Barcaldine pipeline, any other laterals or connecting systems including any net deliveries to the Ballera zone on the day.	SWQP
Carpentaria Gas Pipeline (CGP)	Demand downstream of Ballera including Mt Isa and demand on Cannington line or other laterals or connecting pipelines to the CGP, north of Ballera. **Exclusions:** Any net flows to the SWQP.	CGP
Ballera (BAL)	Deliveries to the Ballera locale including (any by-passes to the proposed QSN Link or to the CGP from the SWQP).	SWQP

Demand Zone	Description	*BB pipeline* nominations, flows required
	Ballera is a *production zone* but is also treated as *demand zone* in respect to flows received from the SWQP or other *BB pipelines*.	
Curtis Island LNG (LNG)	Deliveries to the LNG facilities on Curtis Island near Gladstone from LNG pipelines including Queensland Curtis LNG Pipeline, Australia Pacific LNG Pipeline, and Gladstone LNG Pipeline.	QCLNG Pipeline, APLNG Pipeline, GLNG Pipeline

b. Production Zones

The majority of *Bulletin Board production zones* flow gas into two or more *BB pipelines*, including the GIP, PCA, MOO, BAL, and ROM zones and these may be referred to as production 'Hubs'.

For simplicity Bass Gas has been included in the Gippsland zone.

Production Zone	Description
Gippsland (GIP)	Production within the Gippsland Basin and the Bass Basin including gas sourced from the Gippsland and Bass Basins with gas currently injected at Longford, Orbost (Patricia Baleen) and Pakenham (BassGas/Lang Lang).
Port Campbell (PCA)	Production of gas in the Port Campbell region generally sourced from the Otway Basin on-shore and off-shore gas fields and Iona UGS storage.
Moomba (MOO)	Moomba locale sourced from Cooper Basin and with some raw gas transported from Ballera. Includes connections to the MSP, MAP, (proposed QSN link when it is commissioned) and any by-passes between any of these pipelines
Ballera (BAL)	Ballera locale sourcing gas from Eromanga Basin; includes connections in the locale to the Carpentaria, SWQP, the proposed QSN Link and any by-passes between these pipelines. Exclusions: raw gas flows to or from Moomba via the existing Ballera to Moomba pipeline. Note: Ballera is also to be treated as a *demand zone* in respect to deliveries from the SWQP to the Ballera locale which may then be transported to the Carpentaria pipeline and/or proposed QSN link, including flows by any by-passes in the Ballera locale.
Roma (ROM)	Large region covering the Bowen/Surat Basin where gas is sourced, processed and directly or indirectly supplied into the QGP, RBP or SWQP.

	Note: mainly coal seam methane production but may include any conventional natural gas productions and may include storage used to supplement the production process.
Sydney (SYD)*	Sydney Basin *For the purposes of the *Bulletin Board* this is the same region as the Sydney demand zone. This has some embedded smaller *BB production facilities* that directly supply the Sydney *demand zone* and, in effect, can be considered as the same as the Sydney *demand zone*
Declared Transmission System (VIC)	This is the same region as the VIC *demand zone* and is used for the Dandenong LNG facility data