NATURAL GAS SERVICES BULLETIN BOARD PROCEDURES

PREPARED BY: Market Performance

VERSION: 2.0

DATE: 21 November 2011

FINAL

This document is current to version 12 of the National Gas Rules

Approved for distribution and use

Matt Zema
Chief Executive Officer

Date 24 / 10 /2011

Version Release History

VERSION	DATE	AUTHOR	PEER REVIEW	APPROVED	COMMENTS
1	29 Jun 08	John Savage	Terry Grimwade	Terry Grimwade	
1.1	16 Sep 11	Neale Scott	Canh Diep		Description of Sydney (SYD) demand zone updated to include Albion Park
2.0	20 Oct 11	Neale Scott	Canh Diep	Terry Grimwade	Final version

Disclaimer

a) ***Purpose –*** *This document has been prepared by the Australian Energy Market Operator Limited (**AEMO**) for the purpose of complying with Part 18 of the National Gas Rules (**NGR**).*

b) ***Supplementary Information –*** *This document might also contain information the publication of which is not required by the Rules. Such information is included for information purpose only, does not constitute legal or business advice, and should not be relied on as a substitute for obtaining detailed advice about the National Gas Law, the Rules, or any other relevant laws, codes, rules, procedures or policies or any aspect of the Declared Wholesale Gas Market, or the gas industry. While AEMO has used due care and skill in the production of this document, neither AEMO, nor any of its employees, agents and consultants make any representation or warranty as to the accuracy, reliability, completeness, currency or suitability for particular purposes of the information in this document.*

c) ***Limitation of Liability –*** *To the extent permitted by law, AEMO and its advisers, consultants and other contributors to this document (or their respective associated companies, businesses, partners, directors, officers or employees) shall not be liable for any errors, omissions, defects or misrepresentations in the information contained in this document or for any loss or damage suffered by persons who use or rely on this information (including by reason of negligence, negligent misstatement or otherwise). If any law prohibits the exclusion of such liability, AEMO's liability is limited, at AEMO's option, to the re-supply of the information, provided that this limitation is permitted by law and is fair and reasonable.*

©2011 All rights reserved

Contents

Glossary 6
Preamble 7
A. Information 7
B. Purpose 7
C. Application 7
D. Legal and Regulatory Framework 7
E. Related Policies and Procedures 7
Substantive Provisions 8
1 Terms of Use 8
2 Demand and Production Zones 8
2.1 List of Zones 8
2.2 Review of Zones 8
3 Registration 8
3.1 Application for Registration 8
3.1.1 Application Forms 8
3.1.2 *Bulletin Board* Registration Kit 8
3.2 Registers of *BB Participants*, *Bulletin Board* Contacts and *BB Facilities* 9
3.2.1 BB Participants 9
4 Applications for Exemptions 9
4.1 Form of Application 9
4.2 Exemption may not be required 9
4.3 Exemption Criteria and Expert Review Process 10
5 Information Provision Obligations 10
5.1 Format of Information 10
5.2 Restriction on Use of Free Text Facility 10
5.3 Nameplate Rating of *BB Facilities* 10
5.4 3-day Capacity Outlooks 11
5.5 Actual Flows 12
5.6 Linepack Capacity Adequacy (LCA) 13
5.7 Aggregated Forecast Pipeline Flows 14
5.8 Aggregated Forecast Pipeline Flows (Declared Transmission System) 15
6 Spare Capacity or Gas Notifications 16
6.1 Spare Capacity Notifications 16
6.2 Gas Available for Purchase 16
6.3 Capacity Sought for Purchase 16
6.4 Gas Sought for Purchase 16
7 Operation of the Bulletin Board 16
7.1 Publication of Information 16

7.2 Summary of Bulletin Board Reports 17
7.3 Polling Times and Publication 18
7.4 Gas Day Ranges Published in Reports 18
7.5 Use of Deemed Values for 'Capacity Outlook' and 'Linepack Capacity Adequacy' Reports 18
7.6 *Bulletin Board* Interactive Map 18
7.7 Archived Information Retrieval Services 19
7.8 *Bulletin Board* System Operations 19
8 Annual Projections of Gas Demand 19
8.1 *Bulletin Board* Operator to Publish Peak Demand 19
8.2 Preparation of Forecasts 19
9 Emergency Information Page 20
9.1 *Emergency Information Page* Activation 20
9.2 Direct Data Entry Facility 20
9.3 Increased *Bulletin Board* Polling Frequency 20
9.4 Emergency Information Report 20
9.5 Emergency Use Indicator 21
9.6 Emergency Status (Public Statement) 21
10 Cost Recovery by the Operator 21
10.1 Basis of Preparation of *Bulletin Board* Costs and Budgets 21
10.2 Financial Arrangements 22
10.3 AEMO to Publish Projected Costs and Budget Estimates 22
10.4 Publication of Actual *Bulletin Board* Operating Costs 22
10.5 Example of *BB Shipper* Fee Calculations 22
10.6 Pipeline Operators to Provide Information Required for Cost Recovery 24
10.7 Calculation of *Bulletin Board* Shipper's Aggregated Allocated Deliveries 24
11 Cost Recovery by *Pipeline Operators* 25
Schedule 1 *Bulletin Board* Terms of Use 26
Schedule 2 *Demand Zones* and *Production Zones* 28

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 *National Gas Law*.

TERM	MEANING
BB facility operator	The operator of a *BB facility*
Bulletin Board Reports List	The Bulletin Board Reports List published on the *Bulletin Board*
Participant Build-Pack	The Participant Build-Pack published on the *Bulletin Board*
Bulletin Board Reports List	Reference to the Bulletin Board Reports List which is published on the *Bulletin Board*
Procedures	The *Bulletin Board* Procedures

Preamble

A. Information

(a) This National Gas Services Bulletin Board Procedure (Procedure) is made in accordance with section 227 of the National Gas Law.

(b) This Procedure commences on 17 October 2011.

(c) This Procedure may only be amended in accordance with Part 15B of the Rules.

(d) If there is any inconsistency between this Procedure and the Rules, the Rules will prevail to the extent of that inconsistency.

B. Purpose

The purpose of this Procedure is to regulate the *Bulletin Board*.

C. Application

This Procedure applies to AEMO and each person to whom they are expressed to apply.

D. Legal and Regulatory Framework

This procedure has been made under section 227 on the *National Gas Law*.

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

Bulletin Board users who are to access and provide direct input to the *emergency information page* on behalf of a *BB Participant* must be authorised to do so by selecting that account option on the *Bulletin Board* User Registration and Account Creation form.

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.

Those *BB facilities* that have been declared exempt or have ceased to be *BB facilities* 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 or production facility, respectively, must be in writing, include the following information and be signed by the CEO or equivalent of the company that operates the facility:

The application for exemption must be made to AEMO in the form provided in the *Bulletin Board* Registration Kit published by AEMO.

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

- Is published in the initial list *BB facilities* in Schedule 2 to the National Gas Rules; or
- Is in 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)]*, rule *150(5)* and rule *151(7)*, 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. Uploaded to the *Bulletin Board* using the *Bulletin Board's* web-upload function or by using FTP, as specified in the Participant Build-Pack; or

   iii. In the event of failure or unavailability of the *Bulletin Board* web-upload mechanism on the *Bulletin Board*, by using email to send the required information in the specific file format as per (i) attached to that email to AEMO, 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 this procedure.

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, 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 3-day 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 on each day provide the 3-day capacity outlook for each *BB facility* that it operates for the next *gas day*, *day+1* and *day+2*, by 7 pm local time.

The capacity outlook for a *gas day* may be subsequently 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 3-day capacity outlook of a *BB facility* is specified in TJ/day and 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 3-day outlook period.

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 3-day outlook.

For the purposes of *Bulletin Board* information, a 'material change' to capacity in respect of the 3-day capacity outlook means a change 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.

The obligation on the *BB facility operator* is to ensure that the 3-day outlook 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 capacity outlook 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 3-day capacity outlook at any time. Such updates will be processed and published on the *Bulletin Board* by AEMO in the relevant standard report(s) immediately following the next *Bulletin Board* polling time.

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* or 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 3-day capacity outlook provided by that *BB facility operator* to AEMO for that *BB facility* under rule *165*, rule *168* or rule *171.*

   ii. If on a day the *BB facility operator* does not provide the information required for a *BB facility* under rule *165*, rule *168* or rule *171* in accordance with these procedures, then the 3-day capacity outlook data for that facility will be deemed to be unchanged for each of the *gas day*s specified in the last 3-day capacity outlook data provided, and for subsequent *gas day*s the capacity outlook data will be deemed to be unchanged from the last advised capacity outlook data for *day + 2*.

   Illustrative Example

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

Tue (*gas day*)	Wed (*day + 1*)	Thu (*day + 2*)
30 TJ	40TJ	50TJ

   On Tuesday, the *BB facility operator* does not provide any further 3-day capacity outlook data as no material change is expected, so the deemed 3-day capacity outlook commencing Wednesday for publication on the *Bulletin Board* will be:

Wed (*gas day*)	Thu (*day + 1*)	Fri (*day + 2*)
40 TJ	50TJ	50TJ

   Similarly, if no 3-day capacity outlook data is provided by the *BB facility operator* on Wednesday, the deemed 3-day capacity outlook from Thursday for publication on the *Bulletin Board* will be:

Thu (*gas day*)	Fri (*day + 1*)	Sat (*day + 2*)
50 TJ	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*, or *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, 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 at any time it becomes aware of a change in the *LCA flag* status for any day in the current 3-day capacity outlook period.

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[1]
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.

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

c. The following are exceptions to the requirement to provide daily information under rule 171(1):

[1] 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.

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.*

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 if an LCA outlook file is 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*[2] 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 forecasts 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.

[2] Note following feedback provided during consultation on the draft BB Rules in February 2008, it has been decided to change the previous defined term "aggregated forward daily nominations" to "aggregated forecast deliveries"

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.

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.

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.*

6 Spare Capacity or Gas Notifications

6.1 Spare Capacity Notifications

A *BB participant* may post notifications of spare pipeline or facility capacity it has available for purchase under rule *176(1)* by providing that information in the form specified in the Participant Build-Pack.

6.2 Gas Available for Purchase

A *BB participant* may post notifications of gas available for purchase under rule *177(1)* by providing that information in the form specified in the Participant Build-Pack.

6.3 Capacity Sought for Purchase

A *BB participant* may post notifications that it wishes to purchase pipeline or facility capacity under rule *176* by providing that information in the form specified in the Participant Build-Pack.

6.4 Gas Sought for Purchase

A *BB participant* may post notifications that it wishes to purchase gas under rule *177(2)* by providing that information in the form specified in Participant Build-Pack.

AEMO will publish these notifications in the 'Supply and Capacity Notifications' report as specified in the Bulletin Board Reports List, following the next polling time subject to the file validation checks.

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.

   Initially, all reports with the exception of the *emergency information page* report and *BB participant* transaction logs will be accessible by the public.

   The report information will be displayed in tabular form on the *Bulletin Board* and will be capable of being sorted by a selection of columns and of being downloaded in CSV format.

   Access to the report on the *emergency information page* is restricted to those *Bulletin Board* Contacts who are authorised to do so by their *BB participant* organisation via the *Bulletin Board* Contact Registration and Account Creation form.

   Each *BB participant* will have exclusive access to its own transaction log report of the status of data/information files provided to AEMO.

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 3-day capacity outlooks 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 standard CSV data file under the provisions of Division 5 of the rules, either through FTP or web-upload process, the *Bulletin Board* system will automatically check the file 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 posted in the *BB participant's* transaction log.

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*)
- **Capacity Outlook** (3-day outlook for each *BB pipeline*, *BB production facility* and *BB storage facility*)
- **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)
- **Registered *Bulletin Board* Contacts** (All registered *Bulletin Board* Contacts)
- **Registered *BB Participants*** (All registered *BB participant* organisations)
- **Supply and Capacity Notifications**
- **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 by AEMO after basic validation checks)

The structure and content of these reports are specified in detail in the Bulletin Board Reports List published on the MCE website.

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 6 weeks (or as otherwise specified in the Participant Build-Pack) after a *Bulletin Board* report has been superseded by an updated version of that *Bulletin Board* report. 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 this procedure.

7.3 Polling Times and Publication

AEMO will publish the *Bulletin Board* polling times or polling frequency on the *BB*. On receipt of new data files from *BB participants* (that pass the minimum acceptance criteria described in 7.1(b) of this procedure), processing and updating (if applicable) of the relevant *Bulletin Board* reports will occur shortly after each polling time.

The *Bulletin Board* will poll and generate updated reports according to a schedule posted on the *Bulletin Board*.

If the *emergency information page* has been activated, polling may be set at a higher frequency in accordance with section 9.3 of this procedure.

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 pass 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				**3-day capacity outlook**		
Date	**Local**	**Juris.**	**AEST**	***gas day***	**day +1**	**day +2**
2-Jan	5:00 AM	Qld	6:00 AM	2-Jan	3-Jan	4-Jan
2-Jan	1:00 PM	Qld	2:00 PM	2-Jan	3-Jan	4-Jan
2-Jan	8:00 PM	Qld	9:00 PM	2-Jan	3-Jan	4-Jan
3-Jan	**1:00 AM**	**Qld**	**2:00 AM**	**2-Jan**	**3-Jan**	**4-Jan**
3-Jan	**2:10 AM**	**Qld**	**3:10 AM**	**3-Jan**	**4-Jan**	**5-Jan**
3-Jan	5:00 AM	Qld	6:00 AM	3-Jan	4-Jan	5-Jan
3-Jan	1:00 PM	Qld	2:00 PM	3-Jan	4-Jan	5-Jan
3-Jan	11:00 PM	Qld	12:00 AM	3-Jan	4-Jan	5-Jan
4-Jan	1:00 AM	Qld	2:00 AM	3-Jan	4-Jan	5-Jan

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

If the 3-day capacity outlook for a *BB facility* or the 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 set periods (typically 6 weeks after they have been superseded) after which 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.

The extent to which demand from gas fired generation is included or contributes to a peak day forecast must be indicated in the free text description.

9 Emergency Information Page

9.1 *Emergency Information Page* Activation

For the purposes of the definition of *emergency information page* in rule *141(1)* and rule *181* the following apply:

- The *emergency information page* is activated (or deactivated) by AEMO on direction from either the *NGERAC* chair, his or her delegate, or a registered *authorised representative* of a jurisdiction;
- The activation or deactivation may be by phone but must be confirmed by a signed fax, or scanned signed document e-mailed to AEMO*;*
- On activation or deactivation, 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; and
- The *emergency information page* can only be accessed by *Bulletin Board* Contacts who have been authorised to do so by their *BB participant* organisation (at the time of registration or otherwise).

9.2 Direct Data Entry Facility

The *Bulletin Board* provides for direct screen entry of emergency information by authorised *Bulletin Board* Contacts.

For reporting purposes the *Bulletin Board* Contact is identified at login.

The *Bulletin Board* screen will provide for free text input. The nature and type of information required 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 Increased *Bulletin Board* Polling Frequency

If the *emergency information page* has been activated, the *Bulletin Board* polling frequency may be increased to a faster rate as requested by the authorised person activating the *emergency information page* and as agreed with AEMO. The objective of such an increased polling frequency will be to ensure that the publication of updates on the *emergency information page* is timely and appropriate to the nature of the emergency.

This is to provide timely updates of the emergency information report as well as the supply/demand and capacity operational information in the standard *Bulletin Board* reports.

9.4 Emergency Information Report

The information provided by *BB participants* is compiled into the emergency report that can be viewed by all authorised *Bulletin Board* Contacts.

The emergency report will be comprised of a series of records of information related to the emergency event as provided by *BB participants.* Each record in the report will include:

- An event code as set by AEMO
- *BB participant*
- *Bulletin Board* Contact details
- Information posted (in free text format)
- Record date-time

The emergency report details are specified in the *Bulletin Board* Reports List.

9.5 Emergency Use Indicator

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.

9.6 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:

TG_{p-1} = 100 P

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

UGA_{p-1} / TG_{p-1} = 60.0%

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

UGB_{p-1} / TG_{p-1} = 30.0%

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

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 $(E_p + U - UR)$ = 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.

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*.	

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