

# **GAS (DOWNSTREAM RECONCILIATION) RULES 2008**

Pursuant to sections 43F, 43Q and 43S of the Gas Act 1992, the Minister, acting on the recommendation of Gas Industry Company Limited as the industry body appointed pursuant to s43ZL of that Act, makes the following rules.

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**1. Title**

These rules are the Gas (Downstream Reconciliation) Rules 2008.

**2. Purpose**

The purpose of these **rules** is to establish a set of uniform processes that will enable the fair, efficient, and reliable downstream allocation and reconciliation of downstream gas quantities.

**3. Outline**

These **rules** provide for –

- 3.1** The appointment of an allocation agent; and
- 3.2** Processes for the:
  - 3.2.1** provision of gas injection and consumption information; and
  - 3.2.2** allocation by the **allocation agent** of daily gas quantities for each calendar month to **retailers** at **allocated gas gates**; and
  - 3.2.3** reconciliation of downstream gas quantities; and
- 3.3** Mandatory information disclosure and reporting by the **allocation agent**, **allocation participants**, and the **industry body**; and
- 3.4** Ancillary matters related to the process of allocation and reconciliation such as funding by industry participants and audits.

**4. Commencement**

- 4.1** Subject to rule 4.2, these **rules** come into force on the 28<sup>th</sup> day after their notification in the *Gazette*.
- 4.2** Rules 27 to 75 come into force on the **go-live date**.

## Part 1

### General Provisions

#### 5. Interpretation

**5.1** In these **rules**, any term that is defined in the **Act** and used in these **rules**, but not defined in these **rules**, has the same meaning as in the **Act**.

**5.2** In these **rules**, unless the context otherwise requires –

**Act** means the Gas Act 1992;

**allocated gas gates** are all **gas gates** that are not **direct connect gas gates**;

**allocation agent** means the service provider appointed in accordance with rule 7.1 to be the **allocation agent**;

**allocation agent service provider agreement** means the agreement between the **industry body** and the **allocation agent** that provides the terms of the appointment of the **allocation agent**;

**allocation group** means an allocation group as set out in rule 6;

**allocation participant** means a **retailer**, **distributor**, **meter owner**, or **transmission system owner**;

**allocation results** means:

- (a) the quantities determined by the **allocation agent** in accordance with rule 45 and allocated to **allocation participants** as initial, interim, or **final allocations** under rules 48 to 50; and
- (b) includes any quantities allocated as a **special allocation** under rule 51 or corrected quantities allocated under rule 44.3;

**annual reconciliation** means an annual reconciliation in accordance with rule 52;

**annual UFG factor** has the meaning given by rule 46.3.1;

**business day** means any day of the week except –

- (a) Saturday and Sunday; and
- (b) Any day that Good Friday, Easter Monday, ANZAC Day, the Sovereign's Birthday, Labour Day, Christmas Day, Boxing Day, New Year's Day, the day after New Year's Day, and Waitangi Day are observed for statutory holiday purposes; and
- (c) Any other day which the **industry body** has determined not to be a business day as **published** by the **industry body**;

**consumer installation** means one or more gas installations that have a single point of connection to a distribution system or transmission system and for which there is, or has previously been, a single consumer;

**consumption period** means a month during which gas is supplied to consumers;

**contract identifier** means the identifier assigned to a **transmission services agreement**;

**conversion device** has the meaning set out in **NZS 5259**;

**corrector** means a device that dynamically replaces any one or more of the fixed factors otherwise required to convert gas volume measured at ambient conditions to gas volume measured at standard conditions;

**daily metered energy quantities** are quantities taken from **metering equipment** with a datalogger fitted that records daily information or if the data from **metering equipment** is unavailable or unreliable, are quantities determined in accordance with the responsible **allocation participant's** best estimate consistent with Schedule 1 or Schedule 1A as applicable;

**daily profiled energy quantities** are quantities derived from the application of a **registered deemed profile** to consumption information created using forward or historical estimates for a **consumer installation** or class of **consumer installations** assigned to **allocation group 3** or **allocation group 5**;

**direct connect gas gates** are those **gas gates** that are (for the relevant **consumption period**) on the list determined by the **industry body** in accordance with rule 25A;

**distributor** means a gas distributor as defined in the **Act** and, to avoid doubt, may include the owner of a transmission system to which a **consumer installation** is directly connected;

**dynamic deemed profile** has the meaning given by rule 56.1;

**exceptional circumstances** means circumstances which (in the opinion of the **industry body**) prevent a **retailer** from accessing **metering equipment** despite the best endeavours of the **retailer**;

**final allocation** has the meaning given by rule 50.1;

**financial year** means a 12-month period beginning on the date determined by the **industry body** and any anniversary of that date;

**G1M criteria** are the criteria **published** by the **industry body** under rule 25C.2;

**G1M gas gates** are those **gas gates** that (for the relevant **consumption period**) are determined to be G1M gas gates by the **allocation agent** in accordance with rule 25C.5;

**G1M monthly UFG factor** has the meaning given by rule 46.3.3;

**gas gate** means the point of connection between –

- (a) a transmission system and a distribution system; or
- (b) a transmission system and a **consumer installation**; or
- (c) two gas distribution systems; or
- (d) a group of gas gates, as determined and **published** by the **industry body**, treated as a single gas gate for the purposes of these **rules**;

**gas gate residual profile** has the meaning given by rule 45.1;

**gas year** means the period from 1 October to 30 September;

**GJ** means gigajoule;

**go-live date** means 1 October 2008;

**ICP** means the installation control point, being the point at which a **consumer installation** is deemed to have gas supplied and which represents the **consumer installation** on the **registry**;

**industry body** means the industry body approved by the Governor-General by Order in Council under section 43ZL of the **Act**. In the event that the approval of the industry body is revoked under section 43ZM of the **Act**, all references to the industry body shall be treated as references to the Commission;

**initial allocation** has the meaning given by rule 48.1;

**insolvent retailer** means a retailer –

- (a) That is unable to pay its debts as they become due in the normal course of business; or
- (b) for whom the value of its assets is less than the value of its liabilities (including contingent liabilities); or
- (c) in respect of which an insolvency practitioner (including a liquidator, provisional liquidator, administrator, voluntary administrator, statutory manager, inspector, receiver, or analogous person) has been appointed; or
- (d) that is otherwise insolvent, or presumed to be so, under any law;

**interim allocation** has the meaning given by rule 49.1;

**meter** means an instrument designed to measure the amount of gas passed through it;

**meter owner** means the person who owns or controls a **meter** used to measure gas consumption for a **consumer installation**;

**metering equipment** means any one, or a combination of, a **meter**, **conversion device**, gas analyser, pressure and temperature transducers, telemetry equipment and any other equipment used to measure gas

supplied to an **ICP** or gas injected at an **allocated gas gate** or convey data relating to such gas;

**monthly profiled energy quantities** are quantities derived from the application of either a historical estimate in accordance with rule 35 or a forward estimate in accordance with rule 36 for **consumer installations** assigned to **allocation group 4** or **allocation group 6**;

**monthly UFG factor** has the meaning given by rule 46.3.2;

**non-TOU meter** means a **meter** which does not have an associated datalogger to allow **register readings** or gas consumption to be recorded automatically at pre-determined intervals;

**NZS 5259** means NZS 5259:2004 including any subsequent amendments or replacements;

**ongoing allocation costs** has the meaning given by rule 15.2;

**oversized metered gas gates** are those **gas gates** that are (for the relevant **consumption period**) on the list as determined by the industry body in accordance with rule 25B, and are identified on such list as oversized metered gas gates;

**payment year** has the meaning given by rule 15.1;

**permanent estimate** means a value sourced from an estimated reading that has passed the **allocation participant's** validation process and has been calculated from validated **register readings**. An estimated reading used as a switch reading between **retailers** and not subject to dispute by either **retailer** may be treated as a **permanent estimate**;

**publish** means –

- (a) In respect of information to be published by the **industry body**, to make such information available on the **industry body's** website; and
- (b) In respect of information to be published by the **allocation agent**, to make such information available on the **allocation agent's** website; and
- (c) For all other information, to make available in such manner as may be determined by the **industry body** from time to time;

**Registry operator** means the registry operator appointed by the industry body under the Gas (Switching Arrangements) Rules 2008.

**register reading** means the number displayed by a meter register or corrector register at a particular date in time, and that represents the volume of gas recorded by the register over a certain period;

**registry** has the same meaning as in rule 5 of the Gas (Switching Arrangements) Rules 2008;

**registered deemed profile** means a **static deemed profile** or a dynamic deemed profile registered for use by a **retailer** under Part 3 of these **rules**;

**responsible retailer** means, for a particular **ICP** or **consumer installation**, the **retailer** whose retailer code is shown on the **registry** for all or part of a **consumption period**;

**retailer** means a gas retailer as defined in the **Act**;

**rules** means these Gas (Downstream Reconciliation) Rules 2008 as may be amended from time to time and includes every schedule to the rules, and any code of practice or any technical code made pursuant to the rules;

**seasonal adjustment daily shape values** means the total gas consumption (expressed as daily **GJ** values) **published** by the allocation agent in accordance with rule 53.1, for each **allocated gas gate**, for the previous 24 **consumption periods** in which allocations have been performed;

**special allocation** means an allocation performed in accordance with rule 51;

**static deemed profile** has the meaning given by rule 55.1;

**TJ** means a terajoule;

**TOU meter** means a **meter** which has an associated datalogger to allow **register readings** or gas consumption to be recorded automatically at pre-determined intervals;

**TOU** means time of use;

**transmission system owner** means any person or persons who own a transmission system or part of a transmission system and includes any agent of the transmission system owner;

**transmission services agreement** means an agreement between a **transmission system owner** and a **retailer** for the **transmission system owner** to transmit gas, on behalf of the **retailer**, through its transmission system or part of its transmission system;

**UFG** means unaccounted for gas, including technical and non-technical losses or gains, being the difference between the amount of gas supplied to consumers at **consumer installations** through a **gas gate** and the gas injection amounts measured at the **gas gate**; and

**unmetered gas gates** are those **gas gates** that are (for the relevant consumption period) on the list determined by the **industry body** in accordance with rule 25B and are identified on such list as unmetered gas gates;

**validated register reading** means a **register reading** or **permanent estimate** which has passed an **allocation participant's** validation process.

## 6. Definition of allocation groups

- 6.1 For the purposes of these **rules**, an **allocation group** means one of the **allocation groups** set out in rule 6.2 and to which each **consumer installation** is:



- 6.1.1 Assigned in accordance with rule 29; and
  - 6.1.2 Entered on the **registry** as belonging to the **retailer** under rules 41 and 54 of the Gas (Switching Arrangements) Rules 2008.
- 6.2 The **allocation groups** are as follows:
- 6.2.1 **Allocation group 1:** Assigned to **ICPs** that have a **TOU meter** with telemetry and where gas quantities are recorded daily:
  - 6.2.2 **Allocation group 2:** Assigned to **ICPs** that have a **TOU meter** without telemetry and where gas quantities are recorded daily:
  - 6.2.3 **Allocation group 3:** Assigned to **ICPs** where the daily gas quantities are determined by application of an approved **static deemed profile** to monthly gas quantities taken from **register readings** that are required under rule 29 to be recorded monthly:
  - 6.2.4 **Allocation group 4:** Assigned to **ICPs** where the daily gas quantities are determined by application of the **gas gate residual profile** to monthly gas quantities taken from **register readings** that are required under rule 29 to be recorded monthly:
  - 6.2.5 **Allocation group 5:** Assigned to **ICPs** where the daily gas quantities are determined by application of an approved **dynamic deemed profile** to monthly gas quantities taken from **register readings** that are not required under rule 29 to be recorded monthly:
  - 6.2.6 **Allocation group 6:** Assigned to **ICPs** and where the daily gas quantities are determined by application of the **gas gate residual profile** to monthly gas quantities taken from **register readings** that are not required under rule 29 to be recorded monthly.

*Allocation agent*

**7. Appointment of allocation agent**

- 7.1 The **industry body** will, from time to time, by agreement with a person appoint that person to act as the **allocation agent**.
- 7.2 The **allocation agent** has the functions, rights, powers, and obligations set out in these **rules**.
- 7.3 The **allocation agent** will be appointed for a term agreed by the **industry body** and the **allocation agent** and set out in the **allocation agent service provider agreement**.
- 7.4 The **industry body** may at any time terminate, re-appoint, or change the appointment of any person as the **allocation agent**, subject to the terms of the **allocation agent service provider agreement**.
- 7.5 The remuneration of the **allocation agent** will be agreed as between the **industry body** and the **allocation agent** in the **allocation agent service provider agreement**.

**7.6** The **industry body** and the **allocation agent** may agree on any other terms and conditions, not inconsistent with the functions, rights, powers and obligations of the **allocation agent** under these **rules**.

**8. Publication of allocation agent service provider agreement**

The **industry body** must **publish** the **allocation agent service provider agreement**.

**9. Allocation agent website**

**9.1** The **allocation agent** must operate a website for the purpose of **publishing** information under these **rules**.

**9.2** The **allocation agent** website must be functional and available to the public.

**9.3** The **allocation agent** must ensure the information on the website is accurate and up to date.

**9.4** The **allocation agent** must **publish** on the **allocation agent** website all information provided to it by the **industry body** for the purposes of publication by the **industry body**. For the purposes of these **rules**, such information will be deemed to have been **published** by the **industry body**.

**9.5** Notwithstanding anything else in these **rules**, the **allocation agent** must not **publish** any information that it considers is confidential or commercially sensitive.

**10. Insurance cover**

The **allocation agent** must at all times maintain any insurance cover that is required by the **allocation agent service provider agreement**, on the terms and in respect of risks prescribed by the **industry body**, with an insurer approved by the **industry body**.

**11. Performance standards to be agreed**

The **industry body** and the **allocation agent** must, at the beginning of the term of the appointment and at the beginning of each **financial year**, seek to agree on a set of performance standards against which the **allocation agent's** performance must be reported and measured at the end of the **financial year**.

**12. Self-review must be carried out by allocation agent**

**12.1** The **allocation agent** must conduct, on a monthly basis, a self-review of its performance.

**12.2** The review must concentrate on:

**12.2.1** The **allocation agent's** compliance in the previous month with –

(a) its obligations under these **rules**;

- (b) the terms of the **allocation agent service provider agreement**; and
- (c) any performance standards agreed between the **allocation agent** and the **industry body**; and

**12.2.2** The operation of these **rules**.

**13. Allocation agent must report to the industry body**

**13.1** On the last **business day** of each month, the **allocation agent** must provide a written report to the **industry body** on the results of the review carried out under rule 12.

**13.2** The report must contain details of –

**13.2.1** Any circumstances identified by the **allocation agent** where it has failed, or may have failed, to comply with any of its obligations under these **rules**, the terms of the **allocation agent service provider agreement** or any performance standards agreed between the **industry body** and the **allocation agent**; and

**13.2.2** Any area that, in the opinion of the **allocation agent**, an amendment to these **rules** may need to be considered; and

**13.2.3** Any other matter that the **industry body** reasonably requests provided that the **industry body** makes its request within a reasonable time before the report is due.

**13.3** As soon as practicable after receiving a report under rule 13.1, the **industry body** must **publish** that report, provided the **industry body** may exclude any information it considers to be confidential or commercially sensitive.

**14. Review of allocation agent's performance by the industry body**

**14.1** At the end of each **financial year**, the **industry body** may review the manner in which the **allocation agent** has performed its duties and obligations under these **rules**.

**14.2** The review must concentrate on:

**14.2.1** The **allocation agent's** compliance in the previous year with –

- (a) its obligations under these **rules**;
- (b) the terms of the **allocation agent service provider agreement**; and
- (c) any performance standards agreed between the **allocation agent** and the **industry body**; and

**14.2.2** The operation of these **rules**.

## *Funding*

### 15. Ongoing fees

- 15.1** The ongoing fees are monthly fees to meet the **ongoing allocation costs** and are calculated for each **payment year** being each –
- 15.1.1** **gas year** until the date notified under rule 15.5; and
  - 15.1.2** **financial year**, from and including the date notified under rule 15.5.
- 15.2** Subject to rule 15.3, the **ongoing allocation costs** for a **payment year** are –
- 15.2.1** The costs payable by the **industry body** to the **allocation agent** for the services provided under Parts 1, 2 and 5 in respect of that **payment year**; and
  - 15.2.2** The costs of the **industry body** associated with allocation and its obligations under these **rules** during that **payment year**.
- 15.3** To avoid doubt, the **ongoing allocation costs** do not include –
- 15.3.1** The costs of the **allocation agent** for performing services under Part 3; and
  - 15.3.2** The costs of performance audits and event audits under Part 4.
- 15.4** Every person who is a **retailer** on the 1<sup>st</sup> **business day** of a month is liable to pay ongoing fees for that month in accordance with these **rules**.
- 15.5** The **industry body** may change the **payment year** from a **gas year** to a **financial year** by giving every person to whom the **industry body** considers rule 15.4 will apply written notice of –
- 15.5.1** The date on which the current **payment year** (in **gas years**) will end and the next **payment year** (in **financial years**) will start, which date must be –
    - (a) On the first day of a calendar month; and
    - (b) At least two months from the date of such notice; and
  - 15.5.2** The number of months that will be contained in the then current **payment year** and in the next **payment year**; and
  - 15.5.3** A revised estimate of the breakdown of the estimated **ongoing allocation costs** for the then current **payment year** provided under rule 16.4.2 and an estimate under rule 16.4.2 for the next **payment year**.
- 15.6** A **payment year** may contain less than 12 calendar months where –
- 15.6.1** It is the first or last **payment year** under these **rules**; or

**15.6.2** The **payment year** changes from **gas year** to **financial year** under rule 15.5.

**16. How and when estimated ongoing fees payable**

**16.1** The estimated ongoing fees are payable to the **industry body**.

**16.2** As soon as practicable after this rule comes into force and no later than 10 **business days** before the **go-live date**, the **industry body** must determine and **publish** a breakdown of the estimated **ongoing allocation costs** for the **payment year** commencing on 1 October 2008.

**16.3** As soon as practicable after publication of the estimated **ongoing allocation costs** for the **payment year** commencing on 1 October 2008, the **industry body** must notify every person to whom the **industry body** considers rule 15.4 will apply of the estimated **ongoing allocation costs** and that ongoing fees will be payable by that person for each month in that **payment year** in accordance with the following formula:

$$A \times (B/C)$$

Where:

A = the **ongoing allocation costs** estimated in accordance with rule 16.2 or rule 16.4.1 (as the case may be) and divided by the number of months in a **payment year**; and

B = the total quantity of gas allocated to that person by the **allocation agent** in the **interim allocation** under rule 49 across all **allocated gas gates** in respect of the **consumption period** that is 5 months before the current month; and

C = the total quantity of gas allocated to all **retailers** by the **allocation agent** in the **interim allocation** under rule 49 across all **allocated gas gates** in respect of the **consumption period** that is 5 months before the current month.

**16.4** For each **payment year** following the **payment year** commencing on 1 October 2008, the **industry body** must –

**16.4.1** Estimate and **publish**, at least 2 months prior to the beginning of the **payment year**, a breakdown of the estimated **ongoing allocation costs** for that **payment year**; and

**16.4.2** As soon as practicable after publication of the estimated **ongoing allocation costs**, notify each person to whom the **industry body** considers rule 15.4 will apply of the estimated **ongoing allocation costs**, and that ongoing fees will be payable by that person in that **payment year** in accordance with the formula in rule 16.3.

**16.5** On the 1<sup>st</sup> **business day** of each month, the **industry body** or the **allocation agent** must invoice every person to whom rule 15.4 applies with the ongoing fees that person is liable to pay during that month, calculated in accordance with the formula in rule 16.3.

## 17. How and when actual ongoing fees payable

- 17.1 The actual ongoing fees are payable to the **industry body**.
- 17.2 As soon as practicable after the end of each **payment year**, the **industry body** must determine and **publish** a breakdown of the actual **ongoing allocation costs** for that **payment year**.
- 17.3 No less than 10 **business days** after publication of those actual **ongoing allocation costs**, the **industry body** or the **allocation agent** must invoice, or issue a credit note, to each person to whom rule 15.4 applies with the difference between –
- 17.3.1 That person's share of the actual **ongoing allocation costs** calculated in accordance with the following formula for each month in the **payment year**:
- $$A \times (B/C)$$
- Where:
- A = the actual **ongoing allocation costs** determined under rule 17.2 and divided by the number of months in a **payment year**; and
- B = the total quantity of gas allocated to that person by the **allocation agent** in the **payment year**; and
- C = the total quantity of gas allocated to all **retailers** by the **allocation agent** in the **payment year**; and
- 17.3.2 The amount of the estimated **ongoing allocation costs** invoiced to that person in respect of the **payment year**.

## 18. General provisions regarding fees

- 18.1 The due date for payment of any invoice or refund of any credit is:
- 18.1.1 The 20<sup>th</sup> day of the month in which the invoice or credit note was received; or
- 18.1.2 If the day referred to in rule 18.1.1 is not a **business day**, the following **business day**.
- 18.2 The fees payable under rules 15 to 18 are exclusive of any goods and services tax payable under the Goods and Services Tax Act 1985, and goods and services tax on those fees (if any) will be added to the invoices or credit notes issued to **retailers** under rules 16.5 and 17.3.

### *Exemptions*

## 19. Industry body may exempt allocation participant

- 19.1 Subject to rule 19.2, on the application of an **allocation participant** or the **allocation agent**, the **industry body** may, in its discretion and upon the terms and conditions (if any) that it thinks fit, exempt any **allocation**

**participant**, class of **allocation participants**, **gas gate** or the **allocation agent** from complying with all or any of these **rules**.

**19.2** The **industry body** may only grant an exemption under rule 19.1 if it is satisfied that the exemption is desirable to better achieve:

**19.2.1** The objectives set out in section 43ZN of the **Act**; and

**19.2.2** The purpose of the **rules**.

**19.3** Prior to granting an exemption, the **industry body** must –

**19.3.1** **Publish** the application for the exemption, excluding any information it considers to be confidential or commercially sensitive; and

**19.3.2** Consult with those persons it considers are representative of those classes of persons likely to be substantially affected by the granting of the exemption.

**19.4** The **industry body** must **publish** an exemption, and the reasons for granting the exemption, as soon as practicable after the exemption is granted.

**19.5** An exemption takes effect from the date specified in the exemption which may not be earlier than the date that it is **published**.

## **20. Urgent exemptions**

**20.1** The **industry body** may grant an exemption under rule 19.1 without complying with rule 19.3.2 if the **industry body** considers that it is necessary or desirable that the exemption applied for be made urgently.

**20.2** In that case –

**20.2.1** The exemption must state that it is made in reliance on this rule; and

**20.2.2** The exemption must state an expiry date, which must be a date that, in the opinion of the **industry body**, reasonably enables the **industry body** to consult with the persons specified in rule 20.2.3 about the exemption; and

**20.2.3** The **industry body** must **publish** the exemption and consult with persons it considers are representative of those classes of persons likely to be substantially affected by the exemption; and

**20.2.4** As soon as practicable after consulting in accordance with rule 20.2.3, the **industry body** must:

(a) determine whether or not to revoke, replace, or amend the exemption; and

(b) **publish** its determination and the reasons for the determination.

## **21. Variation or revocation of exemptions**

- 21.1** An **allocation participant** or **allocation agent** granted an exemption under rules 19 or 20 must notify the **industry body** of any error or change in any circumstances material to the granting or continuing operation of its exemption as soon as practicable after it has become aware of that error or change.
- 21.2** An exemption may be varied or revoked, either on application by an **allocation participant**, **allocation agent** or on the initiative of the **industry body**.
- 21.3** Rules 19 and 20 apply as if the variation or revocation were the granting of an exemption and with all other necessary modifications.

## **22. List of exemptions**

The **industry body** must **publish** a list of all current exemptions made under these **rules**.

### *Notices and receipt of information*

## **23. Giving of notices**

- 23.1** If these **rules** require any notice or notification to be given, the notice or notification must be in writing and be –
- 23.1.1** Delivered by hand to the nominated office of the addressee; or
  - 23.1.2** Sent by post to the nominated postal address of the addressee; or
  - 23.1.3** Sent by facsimile to the nominated facsimile number of the addressee; or
  - 23.1.4** Sent by email or any other similar method of electronic communication to the appropriate nominated address of the addressee.
- 23.2** For the purposes of rule 23.1, each **allocation participant** must –
- 23.2.1** Provide the **allocation agent** with details of its nominated office, postal address, facsimile number and email or other appropriate address; and
  - 23.2.2** Notify the **allocation agent** as soon as practicable of any changes to its nominated office, postal address, facsimile number and email or other appropriate address.
- 23.3** In the case of an emergency, a person may give notice other than in accordance with rule 23.1, but the person must as soon as practicable, confirm the notice in writing and by a method set out in rule 23.1.

## **24. When notice taken to be given**

In the absence of proof to the contrary, notices are taken to be given –



- 24.1 In the case of notices delivered by hand to a person, when actually received at that person's address;
- 24.2 In the case of notices sent by post, at the time when the letter would in the ordinary course of post be delivered, and in proving the delivery, it is sufficient to prove that the letter was properly addressed and posted;
- 24.3 In the case of notices sent by fax, at the time indicated on a record of its transmission;
- 24.4 In the case of notices sent by email or any other similar method of electronic communication:
  - 24.4.1 At the time the computer system used to transmit the notice has received an acknowledgment or receipt addressed to the email or other appropriate address of the person transmitting the notice; or
  - 24.4.2 At the time proven by the person who gave the notice as the time the notice was transmitted by computer system to the email or other appropriate address provided by the addressee.

**25. Information exchange file formats**

- 25.1 For the purposes of information exchanges between **allocation participants**, the **allocation agent** or the **industry body** under one or more of these **rules**:
  - 25.1.1 The **industry body**, after consulting with **allocation participants** and the **allocation agent**, may give notice specifying one or more information exchange file formats that **allocation participants** or the **allocation agent** must provide information in; and
  - 25.1.2 No later than 3 months after receiving the notice, the persons specified in rule 25.1.1 must provide information to the **allocation agent**, **allocation participants**, or the **industry body** in the information exchange file formats specified in the notice.

**Part 1A**

**Atypical gas gates**

**25A. Determination of direct connect gas gates**

- 25A.1 The **industry body** will, following consultation with **allocation participants**, determine a list of **direct connect gas gates**.
- 25A.2 The **industry body** must **publish** the list of all **direct connect gas gates** when it is established or changed.
- 25A.3 The **industry body** may, following consultation with **allocation participants**, remove **gas gates** from, or add **gas gates** to, the list of **direct connect gas gates** from time to time.

**25A.4** The **industry body** may only include a **gas gate** on the list of **direct connect gas gates** where the gas quantity delivered at the **gas gate** is attributable to a single **consumer installation**.

**25B. Determination of unmetered and oversized metered gas gates**

**25B.1** The **industry body** will, following consultation with **allocation participants**, determine a list of **unmetered gas gates** and **oversized metered gas gates**.

**25B.2** In making its determination for each **gas gate**, the **industry body** must have regard to the following matters:

**25B.2.1** the underlying purpose for having **unmetered gas gates** and **oversized metered gas gates**, which is that there are some **gas gates** where it would be unreasonable to require:

- (a) installation of **meters**; or
- (b) replacement of existing oversized **meters** (being **meters** where the volume of gas delivered at the **gas gate** is below the minimum flow rate of the **gas gate meter**) with smaller sized **meters**),

and for which there is no other overwhelming reason supporting the need for imposition of full metering compliance;

**25B.2.2** the extent to which **allocation participants** could be impacted by the inability to measure **daily metered energy quantities** injected at the **allocated gas gate**;

**25B.2.3** any costs associated with the installation of a **meter** that will accurately measure the quantities of gas delivered at the **allocated gas gate**;

**25B.2.4** the likely benefits resulting from the accurate measurement of gas quantities at the **allocated gas gate**;

**25B.2.5** the purpose of the **rules**; and

**25B.2.6** any other matter it considers relevant to its determination.

**25B.3** The **industry body** must **publish** the list of **unmetered gas gates** and **oversized metered gas gates** when it is established or changed.

**25B.4** The **industry body** may, following consultation with **allocation participants**, remove **allocated gas gates** from, or add **allocated gas gates** to, the list from time to time.

**25C. Determination of G1M gas gates**

**25C.1** This rule sets out the process for the determination of **G1M gas gates**.

**25C.2** The **industry body** must, after consulting with **allocation participants**, determine and **publish** the **G1M criteria** when they are established or changed.

- 25C.3** In making its determination under rule 25C.2, the **industry body** must have regard to the following matters:
- 25C.3.1** the underlying purpose for having **G1M gas gates**, which is that the normal global allocation methodology can produce inappropriate results for **gas gates** that are dominated by **TOU** load;
  - 25C.3.2** the extent to which **TOU** load dominance has created significant variance in the **monthly UFG factor**;
  - 25C.3.3** the extent to which **allocation participants** have been impacted by the variance in the **monthly UFG factor**;
  - 25C.3.4** the purpose of the **rules**;
  - 25C.3.5** any other matter it considers relevant to its determination.
- 25C.4** The **industry body** may redetermine the **G1M criteria**, from time to time, in accordance with this rule 25C.
- 25C.5** The **allocation agent** will determine and **publish** the **G1M gas gates** in accordance with the **G1M criteria** for each **gas year**, by the 1st **business day** of July in the previous **gas year**.

## Part 2

### Allocation process

#### *General provisions*

- 26. General obligations of allocation participants**
- 26.1** Every **allocation participant** must act reasonably in relation to its dealings with the **allocation agent** and other **allocation participants** and, in doing so, must use its reasonable endeavours to co-operate with the **allocation agent** and other **allocation participants**.
  - 26.2** Every **allocation participant** must provide the information required under these **rules** in a manner that is:
    - 26.2.1** Accurate and complete; and
    - 26.2.2** Not misleading or likely to mislead; and
    - 26.2.3** Timely.
  - 26.3** Where an **allocation participant** is or becomes aware of a cause of **UFG** at a **gas gate**, it must use reasonable endeavours to remedy the cause of **UFG** or reduce the **UFG** occurring at the **gas gate**.
  - 26.4** An **allocation participant** must, as soon as practicable, provide the **allocation agent** with any information additional to that required under these **rules** which is reasonably requested by the **allocation agent** for the purpose of carrying out its role in accordance with these **rules**.

**26.5** In respect of any **ICP** on the **registry** each responsible **distributor, meter owner** and **retailer** must ensure that any information that any part of the **rules** requires use of, must:

**26.5.1** be accurate and complete; and

**26.5.2** not be misleading or likely to mislead; and

**26.5.3** be updated in a timely manner; and

**26.5.4** support compliance with **NZS 5259**.

*Meter owner obligations*

**27. Metering equipment accuracy**

**27.1** For the purposes of gas volume information required to be collected or provided under these **rules**:

**27.1.1** Every **meter owner** must ensure that all **metering equipment** used to collect that volume information complies with **NZS 5259**;

**27.1.2** **Metering equipment** which has a margin of error of less than the relevant margins of error specified in **NZS 5259** is considered to be accurate; and

**27.1.3** Any verification of accuracy must be in accordance with **NZS 5259**.

*Transmission system owner obligations*

**27A. Requirements for information supplied by transmission system owner**

Every **transmission system owner** must ensure that:

**27A.1** Any information supplied to the **allocation agent** for each allocation in accordance with rule 41 or rule 44 is transferred and stored in such a manner that it cannot be altered without leaving a detailed audit trail; and

**27A.2** A copy of all information about **daily metered energy quantities** injected at each **gas gate** is kept for a minimum period of 30 months and is made available to the **allocation agent, industry body** or an **auditor** on request.

*Retailer obligations*

**28. General obligations of retailers**

**28.1** Every **retailer** must ensure that **metering equipment** is installed and interrogated at each **consumer installation** to which that **retailer** is the **responsible retailer** in accordance with the requirements of the **allocation group** to which the **consumer installation** has been assigned.

**28.2** Every **retailer** must ensure the conversion of measured volume to volume at standard conditions and the conversion of volume at standard conditions to energy complies with **NZS 5259** for **metering equipment**

installed at each **consumer installation** for which the **retailer** is the **responsible retailer**.

**28.3** Every **retailer** must supply consumption information in accordance with rules 29 to 40 for all **consumer installations** for which it was the **responsible retailer** to the **allocation agent**.

**28.4** Every **retailer** must ensure that:

**28.4.1** The consumption information supplied to the **allocation agent** in accordance with rules 29 to 40 is transferred and stored in such a manner that it cannot be altered without leaving a detailed audit trail; and

**28.4.2** A copy of all **register reading** data is kept for a minimum period of 30 months and is made available to the **allocation agent**, **industry body** or an **auditor** on request.

**28.5** For the purposes of these **rules**, a **retailer** continues to be responsible for gas supplied to all **consumer installations** during all or any part of the **consumption period** in respect of which it is the **responsible retailer**.

**29. Retailer to ensure certain metering interrogation requirements are met**

**29.1** For a **consumer installation** at an **allocated gas gate** for which the rolling 12-months actual or expected consumption is greater than 10 **TJ**, every **retailer** that supplies that **consumer installation** must:

**29.1.1** Ensure a **TOU meter** is installed as soon as practicable, and no later than 3 months, after becoming aware that the actual or expected consumption is greater than 10 **TJ**; and

**29.1.2** Assign that **consumer installation** to **allocation group** 1 or 2.

**29.2** For a **consumer installation** at an **allocated gas gate** where the rolling 12-month actual or expected consumption is greater than 250 **GJ**, every **retailer** that supplies that **consumer installation** must either:

**29.2.1** Ensure a **TOU meter** is installed and assign that **consumer installation** to **allocation group** 1 or 2; or

**29.2.2** Ensure a **non-TOU meter** is installed and assign that **consumer installation** to **allocation group** 3 or 4.

**29.3** For a **consumer installation** at an **allocated gas gate** which has not been assigned to **allocation groups** 1 to 4 under rules 29.1 and 29.2, every **retailer** that supplies that **consumer installation** must ensure a **TOU meter** or **non-TOU meter** is installed and assign that **consumer installation** to **allocation group** 5 or 6.

**29.4** Every **retailer** that supplies a **consumer installation** at an **allocated gas gate** must ensure that the **metering equipment** installed at that **consumer installation** is interrogated as follows:

**29.4.1** All **consumer installations** with **TOU meters** assigned to **allocation groups** 1 or 2 must have **register readings** or

consumption recorded for each day commencing at 0000 hours and ending at 2400 hours (New Zealand standard time).

**29.4.2** All **consumer installations** with **non-TOU meters** and an expected annual consumption of between 250 **GJ** and 10 **TJ** must have **register readings** recorded monthly.

**29.4.3** All **consumer installations** with **non-TOU meters** to which the **retailer** has continuously supplied gas for the previous 12-month period must have **register readings** recorded at least once every 12-months unless **exceptional circumstances** prevent such an interrogation.

**29.5** Every **retailer** must ensure that a **validated register reading** is obtained at least once every 4 months for 90% of the **consumer installations** with **non-TOU meters** to which the **retailer** has continuously supplied gas for the previous 4 months.

**29.6** For the purposes of rules 29.4.3 and 29.5, any reference to **non-TOU meters** includes a **TOU meter** assigned to **allocation group** 5 or 6.

### **30. General requirements for provision of retailer consumption information**

**30.1** For **consumer installations** in **allocation groups** 1 or 2, –

**30.1.1** Daily consumption information provided to the **allocation agent** must commence at 0000 hours and end at 2400 hours (New Zealand standard time) on that day.

**30.1.2** Where a **consumer installation** is supplied by a **retailer** for a part month, the **retailer** is only required to supply consumption information to the **allocation agent** for the days that the **retailer** supplied that **consumer installation**.

**30.2** For **consumer installations** in **allocation groups** 3 to 6, –

**30.2.1** A **register reading** obtained during any day will be deemed to have been obtained at 2400 hours on that day.

**30.2.2** Monthly consumption information provided to the **allocation agent** must commence at 2400 hours on the last day of the previous month and end at 2400 hours on the last day of the month to which the consumption information relates.

**30.2.3** Where a **consumer installation** is supplied by a **retailer** for a part month, the consumption information provided to the **allocation agent** for that part month will be deemed to be the monthly consumption information for that month supplied by that **retailer** for that **consumer installation**.

**30.3** Where a **daily metered energy quantity** provided in accordance with rules 31.1, 32.1 and 33.1 is not taken from that day's **register reading**, the **retailer** must advise the **allocation agent** of the fact that it is an estimate.

**30.4** When providing consumption information to the **allocation agent** in accordance with rules 31, 32 and 33, **retailers** may identify the

**transmission services agreement** to which the consumption information relates using the **contract identifier**.

- 30.5** For each **initial, interim** and **final allocation**, in accordance with rules 31, 32 and 33, **retailers** must provide consumption information to the **allocation agent**, irrespective of whether that consumption information has changed between allocations or not.

**31. Provision of consumption information for initial allocation**

To enable the **allocation agent** to perform an **initial allocation** for each **consumption period** at each **allocated gas gate**, every **retailer** must provide, in respect of the **consumer installations** at an **allocated gas gate** for which it is the **responsible retailer**, the following consumption information to the **allocation agent** by 1200 hours on the 4<sup>th</sup> **business day** of the month that immediately follows the **consumption period** to which the information relates:

- 31.1** **Daily metered energy quantities** for each **consumer installation** in **allocation groups 1 and 2**:
- 31.2** **Daily profiled energy quantities** for each **consumer installation** in **allocation group 3**:
- 31.3** The aggregate **daily profiled energy quantities** by **allocated gas gate** by profile for **consumer installations** in **allocation group 5** and the number of **consumer installations** included:
- 31.4** The aggregate **monthly profiled energy quantities** by **allocated gas gate** for all **consumer installations** in **allocation groups 4 and 6**.

**32. Provision of consumption information for interim allocation**

To enable the **allocation agent** to perform an **interim allocation** for each **consumption period** at each **allocated gas gate**, every **retailer** must provide, in respect of the **consumer installations** at an **allocated gas gate** for which it is the **responsible retailer**, the following consumption information to the **allocation agent** by 0800 hours on the 9<sup>th</sup> **business day** of the 4<sup>th</sup> month that follows the **consumption period** to which the information relates:

- 32.1** **Daily metered energy quantities** for each **consumer installation** in **allocation groups 1 and 2**:
- 32.2** **Daily profiled energy quantities** for each **consumer installation** in **allocation group 3**:
- 32.3** The aggregate **daily profiled energy quantities** by **allocated gas gate** by profile for **consumer installations** in **allocation group 5** and the number of **consumer installations** included:
- 32.4** The aggregate **monthly profiled energy quantities** by **allocated gas gate** for all **consumer installations** in **allocation groups 4 and 6**.

**33. Provision of consumption information for final allocation**

To enable the **allocation agent** to perform a **final allocation** for each **consumption period** at each **allocated gas gate**, every **retailer** must provide, in respect of the **consumer installations** at an **allocated gas gate** for which it is the

**responsible retailer**, the following consumption information to the **allocation agent** by 0800 hours on the 14<sup>th</sup> **business day** of the 13<sup>th</sup> month that follows the **consumption period** to which the information relates:

- 33.1 **Daily metered energy quantities** for each **consumer installation** in **allocation groups** 1 and 2:
- 33.2 **Daily profiled energy quantities** for each **consumer installation** in **allocation group** 3:
- 33.3 The aggregate **daily profiled energy quantities** by **allocated gas gate** by profile for **consumer installations** in **allocation group** 5 and the number of **consumer installations** included:
- 33.4 The aggregate **monthly profiled energy quantities** by **allocated gas gate** for all **consumer installations** in **allocation groups** 4 and 6.

#### 34. **Historical and forward estimates**

- 34.1 When providing consumption information to the **allocation agent** for **consumer installations** in **allocation groups** 3 to 6, every **retailer** must derive that consumption information from **validated register readings** using:
  - 34.1.1 rule 35 to create historical estimates; or
  - 34.1.2 rule 36 to create forward estimates, where applicable.
- 34.2 Consumption information for **consumer installations** in **allocation groups** 3 to 6 may contain a combination of historical and forward estimates provided that they are calculated in accordance with rules 35 and 36.
- 34.3 Every **retailer** must retain sufficient information to be able to clearly identify each estimate as being either a historical or a forward estimate, or a combination of both estimates, if requested to by the **allocation agent**.

#### 35. **Application of profiles and seasonal adjustments for historical estimates**

- 35.1 Historical estimates are derived by applying to the difference in gas quantities between two **validated register readings** for the relevant **allocated gas gate** either:
  - 35.1.1 The applicable **registered deemed profile**; or
  - 35.1.2 If no applicable **registered deemed profile** exists, subject to rule 35.3, the **seasonal adjustment daily shape values** for that **consumption period** or part of the **consumption period**.
- 35.2 The following methodologies must be used to calculate a historical estimate of consumption information for a **consumer installation**:
  - 35.2.1 Where the period between any two consecutive **validated register readings** encompasses an entire **consumption period**:

$$HE_{CI} = GJ_P \times A / B$$



Where:

$HE_{CI}$  is the quantity of gas in **GJ** allocated to a **consumption period** for a **consumer installation**

$GJ_P$  is the gas quantity in **GJ** calculated from the difference between the last **validated register reading** prior to the **consumption period** and the first **validated register reading** after the **consumption period**

A is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** during the **consumption period**

B is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** during the same time period as is covered by  $GJ_P$ .

**35.2.2** Where a **validated register reading** falls within the **consumption period**:

$$HE_{CI} = (GJ_{P1} \times A_1 / B_1) + (GJ_{P2} \times A_2 / B_2)$$

Where:

$HE_{CI}$  is the gas quantity in **GJ** allocated to a **consumption period** for a **consumer installation**

$GJ_{P1}$  is the gas quantity in **GJ** calculated from the difference between the last **validated register reading** prior to the **consumption period** and the **validated register reading** falling within the **consumption period**

$A_1$  is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** for the period from the first day of the **consumption period** to the day of the **validated register reading** falling within the **consumption period**

$B_1$  is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** for the same time period as is covered by  $GJ_{P1}$

$GJ_{P2}$  is the gas quantity in **GJ** calculated from the difference between the **validated register reading** falling within the **consumption period** and the first **validated register reading** after the **consumption period**

$A_2$  is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** for the period from the day of the **validated register reading** falling within the **consumption period** to the final day of the **consumption period**

$B_2$  is the sum of the applicable **registered deemed profile** or **seasonal adjustment daily shape values** for the relevant **gas gate** for the same time period as is covered by  $GJ_{P2}$ .

**35.2.3** To avoid doubt, where B, B<sub>1</sub> or B<sub>2</sub> in the formulae in rules 35.2.1 or 35.2.2 is zero, the respective quantity A / B, A<sub>1</sub> / B<sub>1</sub>, or A<sub>2</sub> / B<sub>2</sub> is deemed to be zero for the purposes of those **rules**.

**35.3** If a **retailer** is preparing a historical estimate in accordance with rule 35.1.2 and the **seasonal adjustment daily shape values** for the relevant **gas gate** are not available for the **consumption period**, the **retailer** must use the methodology set out in rule 35.2.1 and 35.2.2 (as applicable) but the **seasonal adjustment daily shape values** may be substituted by the **retailer** using its own seasonal shape methodology or pro-rated on a flat shape basis using the number of days.

## **36. Forward estimates**

**36.1** A **retailer** may only use a forward estimate to calculate the consumption information for a **consumer installation** in **allocation groups** 3 to 6 where it is not possible to calculate that consumption information using a historical estimate.

**36.2** A **retailer** may determine the method used for calculating a forward estimate at its discretion.

## **37. Accuracy of consumption information for initial allocation**

**37.1** This rule applies to consumption information at an allocated **gas gate** provided to the **allocation agent** for **consumer installations** in **allocation groups** 3 to 6 in respect of a **consumption period**.

**37.2** For a **consumption period**, the accuracy of the consumption information provided by a **retailer** under rule 31 for **initial allocation** must, when compared with the consumption information provided by that **retailer** under rule 33 for **final allocation**, fall within the percentage of error determined and **published** by the **industry body** under rule 37.3.

**37.3** Prior to the beginning of each **gas year**, the **industry body** must, after consulting with **allocation participants**, determine and **publish** the percentage of error for the accuracy of the consumption information provided for **initial allocation** to be applied to the **consumption periods** in the following **gas year** in accordance with rule 37.2.

**37.4** In making its determination under rule 37.3, the **industry body** must have regard to the following matters:

**37.4.1** The primary aim of ensuring consumption information provided for **initial allocation** is as accurate as possible when compared with consumption information provided for **final allocation**;

**37.4.2** The extent to which **retailers** are able to comply with the percentage of error for the accuracy of consumption information provided for **initial allocation**;

**37.4.3** Any expected costs that would be reasonably incurred by **retailers** to achieve compliance with the percentage of error for the accuracy of consumption information provided for **initial allocation**; and

37.4.4 Any other matter it considers relevant to its determination.

**38. Application of deemed profiles**

- 38.1** In accordance with rules 35 and 36, a **registered deemed profile**, being either a **static deemed profile** or a **dynamic deemed profile**, must be used by each **retailer** to calculate daily consumption information for every **consumer installation** in **allocation group 3** or **5**.
- 38.2** A **retailer** may only use a **static deemed profile** or a **dynamic deemed profile** in relation to a **consumer installation** or class of **consumer installations** if that profile is a **registered deemed profile** (where it has been approved by the **allocation agent** and has been registered for use by the **retailer** under Part 3 of these **rules**) in relation to that **consumer installation** or class of **consumer installations**.
- 38.3** If a **retailer** wishes to use a different deemed profile for a **consumer installation** to that previously used for the provision of consumption information under rules 31 to 33 to the **allocation agent**, the **retailer** must have that deemed profile registered as a **registered deemed profile** by the **allocation agent** in accordance with rule 59 before it may use that different deemed profile.

**39. Retailer to give gas gate trading notice to allocation agent**

- 39.1** A **retailer** must give notice to the **allocation agent** when the **retailer** –
- 39.1.1** Commences to supply gas to a **consumer installation** at an **allocated gas gate** under a supplementary agreement to a **transmission services agreement** at which it has not previously supplied gas; or
- 39.1.2** Ceases to supply gas under a supplementary agreement to a **transmission services agreement** to any **consumer installations** at an **allocated gas gate**; or
- 39.1.3** Amends any of the information required to be provided under rule 39.2.2 for a supplementary agreement to a **transmission services agreement** in respect of gas supplied at an **allocated gas gate**.
- 39.2** The notice must –
- 39.2.1** Identify the **gas gate**;
- 39.2.2** Specify either –
- (a) the date on which the **retailer** first supplied gas at that **gas gate**; or
- (b) the date on which the **retailer** ceased to supply gas at that **gas gate**; and
- (c) the **contract identifier** of the supplementary agreement to a **transmission services agreement**; and

- (d) the **gas gates** and **consumer installations** to which the supplementary agreement relates; and
- (e) the dates on which the supplementary agreement commenced and expires;

**39.2.3** Be given no later than 1200 hours on the 3<sup>rd</sup> **business day** of the month following the **consumption period** in which the acts specified in rules 39.1.1, 39.1.2 and 39.1.3, as applicable, occur.

**39.3** By 0900 hours on the 1<sup>st</sup> **business day** of each month, the **registry operator** must provide the **allocation agent** with a report that shows the **retailers** trading at each **allocated gas gate** during each of the **consumption periods** for which an **initial, interim** or **final allocation** will be performed during that month.

#### **40. Retailer reporting requirements**

Each **retailer** must provide the following reports to the **allocation agent** –

**40.1** When providing consumption information under rules 31, 32 and 33, the proportion (in terms of volume) of historical estimates contained within the consumption information provided by the **retailer** to the **allocation agent** for the relevant **initial, interim** and **final allocation** in accordance with rules 31 to 33 for each **allocated gas gate** for **consumer installations** in **allocation groups** 3 to 6.

**40.2** By 1200 hours on the 10<sup>th</sup> **business day** of each month, a report on the number and percentage of **validated register readings** obtained in accordance with rule 29.4.3 and 29.5 during the previous four and twelve months, respectively.

#### *Transmission system owner obligations*

#### **41. Provision of daily injection information**

**41.1** Every **transmission system owner** must provide to the **allocation agent** by 1200 hours on the 4<sup>th</sup> **business day** of the month that immediately follows a **consumption period** the **daily metered energy quantities** injected at each **allocated gas gate** connected to its transmission system for that **consumption period**.

**41.2** For each **interim allocation** and **final allocation**, every **transmission system owner** must provide to the **allocation agent**, by the times and on the days specified in rule 32 and 33 respectively, **daily metered energy quantities** injected at each **allocated gas gate** connected to its transmission system for the relevant **consumption period**.

**41.3** **Transmission system owners** are not required to provide **daily metered energy quantities** under this rules 41.1 and 41.2 for **unmetered gas gates** or **oversized metered gas gates**.

**41.4** **Transmission system owners** must provide the **allocation agent** and the **industry body** with access to data on **daily metered energy quantities** injected at each **gas gate**. For the purpose of this Rule, access to data includes the ability to download that data.

42. **Publication of estimated day-end volume injection quantities each day (deleted)**

*Allocation agent obligations*

43. **Allocation agent to use estimates**

43.1 For the purpose of performing allocations under these **rules**, the **allocation agent** must estimate:

43.1.1 The consumption information if a **retailer** has failed to provide the consumption information for the relevant allocation by the times and on the days specified in rules 31 to 33; and

43.1.2 The **daily metered energy quantities** if a **transmission system owner** has failed to provide the **daily metered energy quantities** for the relevant allocation by the times and on the days specified in rule 41; and

43.1.3 The **daily metered energy quantities** for **unmetered gas gates** and **oversized metered gas gates** in accordance with the following formula:

$$EEI_d = CI_{1-3,5,d} + (CI_{4,6} / \sum d)$$

Where:

EEI<sub>d</sub> is the estimated daily energy injection quantity in **GJ** for the day

CI<sub>1-3,5,d</sub> is the consumption information for **allocation groups 1 to 3 and 5** for the day

CI<sub>4,6</sub> is the consumption information for **allocation groups 4 and 6** for the **consumption period**

∑d is the total number of days in the **consumption period**

43.2 If, in accordance with rule 43.1, the **allocation agent** uses estimated information or quantities in the allocation process, the **allocation agent** must include a notation with the **allocation results** that the **allocation results** include information or quantities that have been estimated by the **allocation agent**.

43.3 For the purposes of rules 45, 46 and 53, any references to **daily metered energy quantities** and consumption information in those **rules** include any necessary estimates by the **allocation agent** of such quantities or information made in accordance with this rule.

44. **Correction of allocations by allocation agent**

44.1 Where an **allocation participant** discovers that:

44.1.1 consumption information previously provided to the **allocation agent** under rules 31, 32 or 33; or

**44.1.2** **daily metered energy quantities** injected at a **gas gate** previously provided to the **allocation agent** under rule 41;

included a material error, that **allocation participant** must immediately advise the **allocation agent** of the nature and extent of the error and provide the corrected consumption information or **daily metered energy quantities**.

**44.2** Subject to rules 44.3 and 44.4, adjustments reflecting the correction of errors are to be included in the next allocation, being either an **interim** or **final allocation**, for that **consumption period**.

**44.3** The **allocation agent** may amend any **allocation result** provided under these **rules** if, by 1730 hours on the next **business day** after the **allocation result** was provided, the **allocation agent** makes the amendment and notifies all affected **allocation participants** of the amended **allocation result**.

**44.4** If an error is subsequently discovered later than the deadline specified in rule 44.3, and the **allocation agent** acting reasonably considers that correction of that error would have resulted in a materially different allocation, then:

**44.4.1** The **allocation agent** shall as soon as practicable pass the relevant information on to the appropriate **allocation participants** and the **industry body**; and

**44.4.2** The **industry body** must consider whether or not to direct a **special allocation** in accordance with rule 51 to rectify the error.

#### **45. Global method of allocation**

**45.1** For the purposes of these **rules**, a **gas gate residual profile** means a profile that is created each month by the **allocation agent** in accordance with rule 45.2.5 as part of the allocation process.

**45.2** The **allocation agent** must use the following global method of allocation in order to conduct an **initial allocation**, an **interim allocation**, and a **final allocation**:

**45.2.1** Receive the **daily metered energy quantities** injected at each **allocated gas gate** for each day for that **consumption period** provided by **transmission system owners** in accordance with rule 41;

**45.2.2** Receive the consumption information for each day for that **consumption period** provided by **retailers** in accordance with rules 31 to 33;

**45.2.3** Calculate the allocated quantities for each day in the **consumption period** for **allocation groups** 1 and 2 for each **allocated gas gate** (except for **G1M gas gates**) and **retailer** in accordance with the following formula:

$$AQ_{1\&2} = A_{UFG} \times CI_{1\&2}$$

Where:

$AQ_{1\&2}$  is the quantity of gas in **GJ** to be allocated to **allocation groups 1 and 2** for the day

$A_{UFG}$  is the applicable **annual UFG factor** calculated in accordance with rule 46

$CI_{1\&2}$  is the **consumption information** for **allocation groups 1 and 2** for the day in **GJ** provided in accordance with rules 31 to 33;

- 45.2.4** Calculate the allocated quantities for each day in the **consumption period** for **allocation groups 3 and 5** for each **allocated gas gate** (except for **G1M gas gates**) and **retailer** in accordance with the following formula:

$$AQ_{3\&5} = M_{UFG} \times CI_{3\&5}$$

Where:

$AQ_{3\&5}$  is the quantity of gas in **GJ** to be allocated to **allocation groups 3 and 5** for the day

$M_{UFG}$  is the applicable **monthly UFG factor** calculated in accordance with rule 46

$CI_{3\&5}$  is the **consumption information** for **allocation groups 3 and 5** for the day in **GJ** provided in accordance with rules 31 to 33;

- 45.2.4A** Calculate the allocated quantities for each day in the **consumption period** for **allocation groups 1,2,3, and 5** for each **G1M gas gate** and **retailer** in accordance with the following formula:

$$AQ_{1,2,3\&5} = G1M_{UFG} \times CI_{1,2,3\&5}$$

Where:

$AQ_{1,2,3\&5}$  is the quantity of gas in **GJ** to be allocated to **allocation groups 1,2,3 and 5** for the day

$G1M_{UFG}$  is the applicable **G1M monthly UFG factor** calculated in accordance with rule 46.3.3

$CI_{1,2,3\&5}$  is the **consumption information** for **allocation groups 1,2,3 and 5** for the day in **GJ** provided in accordance with rules 31 to 33;

- 45.2.5** Calculate the **gas gate residual profile** for the **consumption period** for each **allocated gas gate** in accordance with the following formula:

$$GRP_P = GRP_{d(1)}, GRP_{d(2)}, GRP_{d(3)}, GRP_{d(4)} \dots GRP_{d(last)}$$

Where:

$GRP_P$  is the **gas gate residual profile** for the **consumption period**

$GRP_{d(1,2...last)}$  is the **gas gate residual profile** quantity in **GJ** for a day in the **consumption period**, being  $EI_d - AQ_{1, 2, 3 \& 5}$  where:

$EI_d$  is the **daily metered energy injection quantity** in **GJ** provided by **transmission system owners** in accordance with rule 41 for the day

$AQ_{1, 2, 3 \& 5}$  is the sum of the daily allocated quantities for **allocation groups** 1, 2, 3 and 5 for the day in **GJ** as calculated in accordance with rules 45.2.3 and 45.2.4

provided that, if the calculated quantity is less than zero, the quantity is deemed, for the purpose of these **rules**, to be zero;

**45.2.6** Calculate the allocated quantities for each day in the **consumption period** for **allocation groups** 4 and 6 for each **allocated gas gate** (except for **G1M gas gates**) and **retailer** in accordance with the following formula:

$$AQ_{4 \& 6} = (M_{UFG} \times \sum CI_{4 \& 6}) \times (GRP_{d(1,2...last)} / \sum GRP_{d(1,2...last)})$$

Where:

$AQ_{4 \& 6}$  is the quantity of gas in **GJ** to be allocated to **allocation groups** 4 and 6 for the day

$M_{UFG}$  is the applicable **monthly UFG factor** calculated in accordance with rule 46

$\sum CI_{4 \& 6}$  is the sum of the **consumption information** for **allocation groups** 4 and 6 for the **consumption period** in **GJ** provided in accordance with rules 31 to 33

$GRP_{d(1,2...last)}$  is the **gas gate residual profile** quantity for a day in the **consumption period** in **GJ** as per rule 45.2.5

$\sum GRP_{d(1,2...last)}$  is the sum of the **gas gate residual profile** daily quantities for the **consumption period** in **GJ**

(To avoid doubt,

- the deeming provision in rule 45.2.5 does not apply to the quantity  $\sum GRP_{d(1,2...last)}$ , which is inclusive of calculated **gas gate residual profile** daily quantities less than zero, and

- where  $\sum GRP_{d(1,2...last)}$  is zero, the quantity  $GRP_{d(1,2...last)} / \sum GRP_{d(1,2...last)}$  is deemed to be zero for the purposes of this rule);

**45.2.6A** Calculate the allocated quantities for each day in the **consumption period** for **allocation groups** 4 and 6 for each **G1M gas gate** and **retailer** in accordance with the following formula:

$$AQ_{4\&6} = (G1M_{UFG} \times \sum CI_{4\&6}) \times (GRP_{d(1,2...last)} / \sum GRP_{d(1,2...last)})$$

Where:



$AQ_{4 \& 6}$  is the quantity of gas in **GJ** to be allocated to **allocation groups 4 and 6** for the day

$G1M_{UFG}$  is the applicable **G1M monthly UFG factor** calculated in accordance with rule 46

$\sum CI_{4 \& 6}$  is the sum of the **consumption information** for **allocation groups 4 and 6** for the **consumption period** in **GJ** provided in accordance with rules 31 to 33

$GRP_{d(1,2...last)}$  is the **gas gate residual profile** quantity for a day in the **consumption period** in **GJ** as per rule 45.2.5

$\sum GRP_{d(1,2...last)}$  is the sum of the **gas gate residual profile** daily quantities for the **consumption period** in **GJ**

(To avoid doubt:

the deeming provision in rule 45.2.5 does not apply to the quantity  $\sum GRP_{d(1,2...last)}$ , which is inclusive of calculated **gas gate residual profile** daily quantities less than zero, and

where  $\sum GRP_{d(1,2...last)}$  is zero, the quantity  $GRP_{d(1,2...last)} / \sum GRP_{d(1,2...last)}$  is deemed to be zero for the purposes of this rule);

**45.2.7** Subject to paragraph (c), where following the application of rules 45.2.3 to 45.2.6A above:

- (a) any residual unallocated quantities remain at an **allocated gas gate** for the day; or
- (b) the total allocated quantities at an **allocated gas gate** exceed the **daily metered energy quantity** injected at the **allocated gas gate** in **GJ** provided under rule 41 for the day;

the allocated quantities for each **allocation group** for each **allocated gas gate** and **retailer** are to be scaled in accordance with the following formula:

$$SAQ_{1-6} = AQ_{1-6} + [(EI_d - \sum AQ_{1-6}) \times (AQ_{1-6} / \sum AQ_{1-6})]$$

Where:

$SAQ_{1-6}$  is the scaled quantity of gas in **GJ** to be allocated to **allocation group 1, 2, 3, 4, 5 or 6** for the day

$AQ_{1-6}$  is the allocated quantity for **allocation group 1, 2, 3, 4, 5 or 6** for the day in **GJ** as calculated in accordance with rules 45.2.3, 45.2.4, 45.2.4A, 45.2.6, and 45.2.6A

$EI_d$  is the **daily metered energy quantity** in **GJ** provided by **transmission system owners** in accordance with rule 41 for the day

$\sum AQ_{1-6}$  is the sum of the allocated quantities for **allocation groups** 1, 2, 3, 4, 5 and 6 for the day in **GJ** as calculated in accordance with rules 45.2.3, 45.2.4, 45.2.4A, 45.2.6 and 45.2.6A;

- (c) Where:
- (i)  $\sum AQ_{1-6}$  is zero but  $EI_d$  is greater than zero; and
  - (ii) one or more **retailers** are supplying gas to a **consumer installation** at the relevant **allocated gas gate**, as determined by the **gas gate** trading notices that have been provided to the **allocation agent** under rule 39,

the allocated quantities for each **allocation group** are to be calculated by **allocated gas gate** and **retailer** in accordance with the formulae set out in Schedule 2; and

**45.2.8** Aggregate for each **retailer** (including by that **retailer's transmission services agreement**), for each **allocated gas gate** and for each day, the allocated quantities for each **allocation group** to produce total allocated quantities by **retailer** by **allocated gas gate**.

#### **46. Calculation of UFG factor**

**46.1** When performing an **initial allocation**, an **interim allocation** or a **final allocation**, the **allocation agent** must calculate the **UFG** factor in accordance with this rule.

**46.2** The **allocation agent** must apply in accordance with rule 45 –

**46.2.1** The **annual UFG factor** to **allocation groups** 1 and 2 (except for **G1M gas gates**); and

**46.2.2** The **monthly UFG factor** to **allocation groups** 3, 4, 5 and 6 (except for **G1M gas gates**); and

**46.2.3** The **G1M monthly UFG factor** to **allocation groups** 1 to 6 for **G1M gas gates**.

**46.3** For the purposes of these rules –

**46.3.1** The **annual UFG factor** means the factor determined in accordance with the following formula:

$$A_{UFG} = \sum EI_A / \sum CI_A$$

Where:

$A_{UFG}$  is the applicable **annual UFG factor** for the **allocated gas gate** for the **consumption period**

$\sum EI_A$  is the sum of the **daily metered energy** quantities injected for a particular **allocated gas gate** during the 12-months up to and including February of the previous **gas year** (in **GJ**)

$\sum CI_A$  is the sum of the best available consumption information for all **allocation groups** for the **allocated gas gate** during the 12-months up to and including February of the previous **gas year** (in **GJ**).

**46.3.2** The **monthly UFG factor** means the factor determined in accordance with the following formula:

$$M_{UFG} = (\sum EI_m - \sum AQ_{1 \& 2}) / \sum CI_{3-6}$$

Where:

$M_{UFG}$  is the applicable **monthly UFG factor** for the **allocated gas gate** for the **consumption period**

$\sum EI_m$  is the sum of the **daily metered energy quantities** injected at a particular **allocated gas gate** for the **consumption period** provided by the **transmission system owner** under rule 41 (in **GJ**)

$\sum AQ_{1 \& 2}$  is the sum of daily allocated quantities of gas allocated to **allocation groups** 1 and 2 for the **allocated gas gate** for the **consumption period** under rule 45.2.3 (in **GJ**)

$\sum CI_{3-6}$  is the sum of the consumption information for **allocation groups** 3, 4, 5 and 6 for the **allocated gas gate** for the **consumption period** provided in accordance with rules 31 to 33 (in **GJ**).

**46.3.3** The **G1M monthly UFG factor** means the factor determined in accordance with the following formula:

$$G1M_{UFG} = (\sum EI_m / \sum CI_{1-6})$$

Where:

$G1M_{UFG}$  is the applicable **G1M monthly UFG factor** for the **G1M gas gate** for the **consumption period**

$\sum EI_m$  is the sum of the **daily metered energy quantities** injected at a particular **G1M gas gate** for the **consumption period** provided by the **transmission system owner** under rule 41 (in **GJ**)

$\sum CI_{1-6}$  is the sum of the consumption information for **allocation groups** 1,2,3, 4, 5 and 6 for the **G1M gas gate** for the **consumption period** provided in accordance with rules 31 to 33 (in **GJ**).

**46.4** The **allocation agent** must determine and **publish**:

**46.4.1** The **monthly UFG factor** and **G1M monthly UFG factor** which apply for each month –

- (a) for **initial allocations** by 1200 hours on the 5<sup>th</sup> **business day** of each month;

- (b) for **interim allocations** by 0800 hours on the 11<sup>th</sup> **business day** of each month;
- (c) for **final allocations** by 0800 hours on the 16<sup>th</sup> **business day** of each month; and

**46.4.2** The **annual UFG factor** which will apply for each **gas year** by the 1<sup>st</sup> **business day** of July in the previous **gas year**.

#### **46A. Correction of an annual UFG factor**

**46A.1** The **industry body** may require the **allocation agent** to correct and **republish** an **annual UFG factor** up to 15 months after that **annual UFG factor** has been determined and **published** in accordance with rule 46.4 and rule 47.3.

**46A.2** Before the **industry body** makes a request for the correction of the **annual UFG factor**, the **industry body** must be of the opinion that the current **annual UFG factor** may have, or have had, a sufficiently unfair impact on **allocation results** at the **allocated gas gate** to which the **annual UFG factor** applies.

**46A.3** If the **annual UFG factor** is corrected in accordance with this rule -

**46A.3.1** the correction of the **annual UFG factor** must be calculated in accordance with rule 46.3.1;

**46A.3.2** the **allocation agent** must **publish** the corrected **annual UFG factor** and replace the **annual UFG factor published** under rule 46.4.2 and include a notation that the **annual UFG factor** has been recalculated;

**46A.3.3** when **publishing** under 47.3.2, the **allocation agent** must **republish** (but not re-calculate) the **annual UFG factor** for all other **allocated gas gates**;

**46A.3.4** the corrected **annual UFG factor** will apply to all allocations in the relevant **gas year** performed after the date that the corrected **annual UFG factor** is **published**.

**46A.4** Notwithstanding this Rule, the **industry body** may determine any specific procedures that will apply to the correction of an **annual UFG factor**.

#### **47. Force majeure event during consumption period**

**47.1** In this rule, **force majeure event** means an event or circumstance:

**47.1.1** Beyond the reasonable control of an **allocation participant** and that was not reasonably foreseeable in the circumstances; and

**47.1.2** Which substantially affects the information relied on to determine the **annual UFG factor** in rule 46 so that it no longer will result in a fair and representative calculation of the **annual UFG factor** for a particular **allocated gas gate**.

**47.2** No later than 10 **business days** prior to determining and **publishing** the **annual UFG factor** in accordance with rule 46.4.2, the **allocation agent** may give **notice** to the **industry body** that it considers that a **force majeure event** has occurred.

**47.3** As soon as practicable after receiving such notice and after consulting with affected **allocation participants** to the extent reasonably practicable in the time available:

**47.3.1** The **industry body** must determine an **annual UFG factor** which it considers will result in a fair and representative calculation of the **annual UFG factor** for that **allocated gas gate** for the **gas year** and give **notice** to the **allocation agent** of that determination; and

**47.3.2** The **allocation agent** must **publish** the **annual UFG factor** determined in accordance with rule 47.3.1 and include a notation that the **annual UFG factor** has been determined by the **industry body** under that rule.

#### **48. Initial allocation**

**48.1** For the purposes of these **rules**, an **initial allocation** means, in relation to an **allocated gas gate**, the allocation of gas quantities in accordance with rule 45 in the month immediately after the relevant **consumption period**.

**48.2** By 1200 hours on the 5<sup>th</sup> **business day** of each month, the **allocation agent** must –

**48.2.1** Perform the **initial allocation** with respect to each **allocated gas gate**;

**48.2.2** Provide the following reports to each **retailer**:

(a) a report setting out the quantities of gas allocated to that **retailer** at each **allocated gas gate** for the previous month; and

(b) a report of the **gas gate residual profile** calculated during the **initial allocation**.; and

**48.2.3** Provide a report meeting the requirements of rule 48.2.2(a) to the **transmission system owner** which provided the **daily metered energy quantities** injected at that **allocated gas gate** to the **allocation agent** under rule 41.

#### **49. Interim allocation**

**49.1** For the purposes of these **rules**, an **interim allocation** means, in relation to an **allocated gas gate**, the allocation of gas quantities in accordance with rule 45 in the month that is 4 months after the relevant **consumption period**.

**49.2** By 0800 hours on the 11<sup>th</sup> **business day** of each month, the **allocation agent** must –

- 49.2.1** Perform the **interim allocation** with respect to each **allocated gas gate**;
- 49.2.2** Provide the following reports to each **retailer**:
- (a) a report setting out the quantities of gas allocated to that **retailer** at each **allocated gas gate** for the month that is the subject of the **interim allocation**; and
  - (b) a report of the revised **gas gate residual profile** calculated during the **interim allocation**; and
- 49.2.3** Provide a report meeting the requirements of rule 49.2.2(a) to the **transmission system owner** which provided the **daily metered energy quantities** injected at that **allocated gas gate** to the **allocation agent** under rule 41.

## **50. Final allocation**

- 50.1** For the purposes of these **rules**, a **final allocation** means, in relation to an **allocated gas gate**, the allocation of gas quantities in accordance with rule 45 in the month that is 13 months after the relevant **consumption period**.
- 50.2** By 0800 hours on the 16<sup>th</sup> **business day** of each month, the **allocation agent** must –
- 50.2.1** Perform the **final allocation** with respect to each **allocated gas gate**;
- 50.2.2** Provide the following reports to each **retailer**:
- (a) a report setting out the quantities of gas allocated to that **retailer** at each **allocated gas gate** for the month that is the subject of the **final allocation**; and
  - (b) a report of the revised **gas gate residual profile** calculated during the **final allocation**; and
- 50.2.3** Provide a report meeting the requirements of rule 50.2.2(a) to the **transmission system owner** which provided the **daily metered energy quantities** injected at that **allocated gas gate** to the **allocation agent** under rule 41.

## **51. Special allocation**

- 51.1** At any time during the period after an **initial allocation** has been performed up to 12-months after a **final allocation** has been performed, the **industry body** may require the **allocation agent** to perform a **special allocation** for the relevant **consumption period** in addition to, or replacing, an **initial allocation**, an **interim allocation**, or a **final allocation** for that same **consumption period**.
- 51.2** Before the **industry body** makes a request under rule 51.1 –
- 51.2.1** The **industry body** must be of the opinion that the current allocation information or **allocation results** are sufficiently unfair

that it is not appropriate to wait until the next (if any) scheduled **interim allocation** or **final allocation** is performed; and

**51.2.2** The **industry body** must balance the unfairness of the current allocation information or **allocation results** against any commercial reasons for retaining the current **allocation results**.

**51.3** Subject to rule 51.1 and 51.2, the **industry body** may determine any specific procedures that will apply to a **special allocation**.

**51.4** Notwithstanding anything in rule 46A, specific procedures determined by the **industry body** under rule 51.3 may include correcting an **annual UFG factor**.

## **52. Annual reconciliation**

**52.1** The purpose of an **annual reconciliation** is to verify, on a monthly basis, the accuracy and completeness of consumption information provided to the **allocation agent** for the previous 12 billing months against the energy quantities billed to consumers during that period.

**52.2** For the purposes of an **annual reconciliation**:

**52.2.1** Each **retailer** must, by 0800 hours on the 11<sup>th</sup> **business day** of each month, provide to the **allocation agent** the total energy quantities billed in **GJ**, by **allocated gas gate**, in the previous invoice month.

**52.2.2** The **allocation agent** must, by 1700 hours on the 13<sup>th</sup> **business day** of each month, compare:

(a) the sum of the total energy quantities billed provided by each **retailer** for each **allocated gas gate** in accordance with rule 52.2.1 for the 12 months up to and including the previous invoice month; with

(b) the sum of best available consumption information provided by each **retailer** for each **allocated gas gate** in accordance with rules 31 to 33 for the 12 months prior to (but not including) the previous invoice month .

**52.2.3** The **allocation agent** must **publish** the results of the comparison performed under rule 52.2.2 by 0800 hours on the 14<sup>th</sup> **business day** of each month.

**52.3** In this rule, any reference to –

**52.3.1** “invoice month” means the month in which the quantities billed were invoiced by the **retailer** to the consumer; and

**52.3.2** “energy quantities billed” includes, for any particular period, the quantities of gas supplied by a **retailer** across **consumer installations** to consumers (or to the **retailer** itself), sourced directly from the **retailer’s** financial records, including quantities:

(a) supplied through normal customer supply and billing arrangements (including vacant consumption);

- (b) supplied under sponsorship or promotion arrangements; and
- (c) supplied under any other arrangement;

and, to avoid doubt, may relate to gas supplied across one or more **consumption periods**.

### 53. Allocation agent reports

**53.1** No later than 1 **business day** after each **initial allocation, interim allocation, final allocation or special allocation**, the **allocation agent** must **publish** the **seasonal adjustment daily shape values** for every **allocated gas gate** calculated in accordance with the following formulae:

$$\text{SADSV} = \text{SADSV}_P, \text{SADSV}_{P-1}, \text{SADSV}_{P-2}, \dots, \text{SADSV}_{P-23}$$

$$\text{SADSV}_P = \text{SADSV}_{P,1}, \text{SADSV}_{P,2}, \dots, \text{SADSV}_{P,\text{last}}$$

Where:

SADSV means the **seasonal adjustment daily shape values** for the **gas gate** for the 24 months up to and including the **consumption period** for which the allocation was performed

$\text{SADSV}_P$  means the **seasonal adjustment daily shape values** for the **gas gate** for the **consumption period** for which the allocation was performed

$\text{SADSV}_{P-i}$  means the **seasonal adjustment daily shape value** for the **gas gate** for the **consumption period** that is  $i$  months before the **consumption period** for which the allocation was performed

$\text{SADSV}_{P,j}$  means the **seasonal adjustment daily shape value** for the **gas gate** for day  $j$  in **consumption period**  $P$ , being  $E_{ij} - AQ_{1\&2,j}$  where:

$E_{ij}$  is the **daily metered energy quantity** in **GJ** provided by **transmission system owners** in accordance with rule 41 for day  $j$

$AQ_{1\&2,j}$  is the sum of the daily allocated quantities for **allocation groups** 1 and 2 for day  $j$  in **GJ** as calculated in accordance with rule 45.2

provided that, if the calculated quantity is less than zero, the quantity is deemed, for the purpose of these **rules**, to be zero;

**53.2** In respect of each **allocated gas gate**, by no later than 1 **business day** after each **initial allocation, interim allocation, final allocation or special allocation**, the **allocation agent** must **publish** the following reports for each allocation:

**53.2.1** The sum of the **daily metered energy quantities** injected at each **allocated gas gate** for each of the relevant **consumption**



**periods** as provided by the **transmission system owner** under rule 41; and

**53.2.2** The sum of the quantities of gas allocated to each **retailer** in the previous month, in respect of each of the relevant **consumption periods**, under rules 48 to 51; and

**53.2.3** The total amount of, and the percentage of, **UFG** at each **allocated gas gate** for the previous month and previous 12-months.

**53.3** By 1200 hours on the 5<sup>th</sup> **business day** of each month, in respect of each **consumption period** for which a **final allocation** has been performed in the previous 12-months, the **allocation agent** must provide a report for each **allocated gas gate** to **retailers** and the **industry body** on the percentage of error in the accuracy between:

**53.3.1** The aggregated consumption information for **consumer installations** in **allocation groups** 3 to 6 provided under rule 31 by each **retailer** to the **allocation agent** for **initial allocation**; and

**53.3.2** The aggregated consumption information for **consumer installations** in **allocation groups** 3 to 6 provided under rule 33 by each **retailer** to the **allocation agent** for **final allocation**.

#### **53A. Discharging retailer obligations**

Where a **retailer** ceases retailing, whether as a result of becoming an **insolvent retailer**, or for some other reason, that **retailer** must meet its obligations under this Part for each of the **consumption periods** for which it was retailing, and for which it has not previously provided consumption information, by providing consumption information –

**53A.1** to the **allocation agent** in accordance with the process and timeframes prescribed in rules 31, 32, 33 and 40 (as applicable); or

**53A.2** of the type required under rules 31, 32, 33 and 40 (as applicable) to the **allocation agent** or the **industry body** in advance of the timeframes prescribed by each of those rules, provided that the consumption information must clearly identify the **consumption period** to which each dataset of consumption information pertains.

### **Part 3**

#### **Approval and Registration of deemed profiles**

#### **54. Allocation agent to approve and register deemed profiles**

- 54.1** The **allocation agent** must establish a register which records **static deemed profiles** and **dynamic deemed profiles** approved under these **rules** and which may be used by **retailers** for the purpose of providing consumption information to the **allocation agent** in relation to **consumer installations** in **allocations groups** 3 and 5 respectively.
- 54.2** The **allocation agent** must not **publish** the gas quantities making up a **registered deemed profile** on the register established under rule 54.1 except where it has received notice from the **industry body** to do so.
- 54.3** To avoid doubt, a **registered deemed profile** is both **retailer** and **consumer installation**, or class of **consumer installations**, specific in that no other **retailer** or **consumer installations** may register or use that **registered deemed profile**.

## **55. Registration of static deemed profiles**

- 55.1** For the purposes of these **rules**, a **static deemed profile** is a pre-determined estimate of daily gas quantities which is used to define the daily profile of consumption during a **consumption period** for the **consumer installation** or class of **consumer installations** to which it applies.
- 55.2** In order to register a **static deemed profile** for a **consumer installation** or class of **consumer installations**, the **retailer** must request that the **allocation agent** approve the **static deemed profile** and provide the following information to the **allocation agent**:
- 55.2.1** 12 consecutive months of historical consumption information for that **consumer installation** or class of **consumer installations** and estimates of future variations in that information; or
- 55.2.2** In the absence of 12 consecutive months of historical consumption information –
- (a) sample historical consumption information for that **consumer installation** or class of **consumer installations**, **consumer installation** operating information, 12-months of historical actual monthly consumption information, and estimated future variations; or
  - (b) an estimated consumption profile based on **consumer installation** operating information, 12-months of historical consumption information for that **consumer installation** or class of **consumer installations**, and estimated future variations; or
  - (c) an estimated consumption profile based on a daily consumption profile for a similar type of **consumer installation** and available historical actual monthly consumption information; or
  - (d) an estimated consumption profile based on **consumer installation** operating information or a daily consumption profile for a similar type of **consumer installation**; and

- (e) any other information that the **allocation agent** reasonably requests.

**55.3** The **allocation agent** must consider the information provided under rule 55.2 and determine whether the **static deemed profile** will be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it will apply.

**55.4** As soon as practicable, and no later than 20 **business days**, after receiving a request for approval, the **allocation agent** must make its determination under rule 55.3 and notify the **retailer** of its determination. The **allocation agent** must either accept or reject the registration of the **static deemed profile**.

## **56. Registration of dynamic deemed profiles**

**56.1** For the purposes of these **rules**, a **dynamic deemed profile** is a consumption profile that changes in accordance with information obtained from **TOU meters** installed at one or more sample **consumer installations** that are representative of the daily consumption profile of the **consumer installation** or class of **consumer installations** to which it is applied.

**56.2** In order to register a **dynamic deemed profile** for a **consumer installation** or class of **consumer installations**, the **retailer** must request that the **allocation agent** approve the **dynamic deemed profile** and provide the following information to the **allocation agent**:

**56.2.1** Consumption information obtained during the **consumption period** from a **TOU meter** installed at the sample **consumer installation** or **consumer installations**, as the case may be, that will provide the basis of the **dynamic deemed profile**; and

**56.2.2** Sufficient detail of the **consumer installations** or class of **consumer installations** to which the **dynamic deemed profile** will apply to enable the **allocation agent** to verify that the **dynamic deemed profile** is appropriate for that **consumer installation** or class of **consumer installations**; and

**56.2.3** Any other information reasonably requested by the **allocation agent**.

**56.3** The **allocation agent** must consider the information provided under rule 56.2 and determine whether the **dynamic deemed profile** will be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it will apply.

**56.4** As soon as practicable, and no later than 20 **business days**, after receiving a request for approval, the **allocation agent** must make its determination under rule 56.3 and notify the **retailer** in writing of its determination. The **allocation agent** must either accept or reject the registration of the **dynamic deemed profile**.

## **57. Notification of change or error**

**57.1** A **retailer** with a **registered deemed profile** under these **rules** must notify the **allocation agent** of any error or change in any circumstances material to the registration or continuing registration of its deemed profile as soon as practicable after it has become aware of that error or change.

**58. Allocation agent review of registered deemed profiles**

**58.1** The **allocation agent** may review a **registered deemed profile** at its discretion.

**58.2** Where the **allocation agent** intends to carry out a review under rule 58.1, it must notify the **retailer** with the **registered deemed profile** of the review.

**58.3** In order to enable the **allocation agent** to carry out a review under rule 58.1, the **retailer** must provide the information referred to in rule 55.2 or rule 56.2, as applicable, within 10 **business days** of receiving notice of the review.

**58.4** The **allocation agent** must consider the information provided under rule 58.3 and determine whether the **registered deemed profile** continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**58.5** As soon as practicable, and no later than 30 **business days**, after giving notice under rule 58.2, the **allocation agent** must make its determination under rule 58.4 and notify the **retailer** of its determination. The **allocation agent** must either:

**58.5.1** Continue the registration of the **registered deemed profile** if it determines the profile continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies; or

**58.5.2** Remove, in accordance with rule 62, the **registered deemed profile** from the register if it determines that the profile no longer continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**59. Retailers may request review of their registered deemed profiles**

**59.1** Any **retailer** with a **registered deemed profile** (whether it is a **static deemed profile** or a **dynamic deemed profile**) may, by notice, request the **allocation agent** to review and:

**59.1.1** Amend that **registered deemed profile**; or

**59.1.2** Amend the characteristics of the **consumer installation** or class of **consumer installations** to which it applies.

**59.2** In order to enable the **allocation agent** to carry out a review under rule 59.3, the **retailer** must provide the information referred to in rule 55.2 or rule 56.2, as applicable.

**59.3** The **allocation agent** must consider the information provided under rule 59.2 and determine whether, if amended as requested by the **retailer**, the **registered deemed profile** is a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**59.4** As soon as practicable, and no later than 20 **business days**, after receiving a request under rule 59.1, the **allocation agent** must make its determination under rule 59.3 and notify the **retailer** of its determination. The **allocation agent** must either accept or reject the amendment to the **registered deemed profile**.

## **60. Allocation participants may challenge registered deemed profiles**

**60.1** Any **allocation participant** may challenge, by notice to the **allocation agent**, the use by a **retailer** of a **registered deemed profile** in respect of a **consumer installation** or class of **consumer installations**.

**60.2** The **allocation participant** must include in the notice given under rule 60.1 the reasons for the challenge and any information available to it relating to the challenge of the **registered deemed profile**.

**60.3** The **allocation agent** must provide the **allocation participant**, whose **registered deemed profile** is being challenged, the opportunity to:

**60.3.1** Respond to a notice given under rule 60.1; and

**60.3.2** Provide reasons and information as to why the **registered deemed profile** continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**60.4** The **allocation agent** must consider the information provided under rules 60.2 and 60.3 and determine whether the **registered deemed profile** continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**60.5** The **allocation agent** must make its determination within 30 **business days** of receiving the notice under rule 60.1 and notify all affected **allocation participants** of its determination.

## **61. Guidelines for determinations on profiles**

**61.1** As soon as practicable after this rule comes into force, the **industry body** shall, after consultation with **allocation participants**, develop and **publish** guidelines to assist the determination of whether a **static deemed profile** or **dynamic deemed profile** is, or continues to be, a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies.

**61.2** In making a determination under this Part 3 of the **rules**, the **allocation agent** must take into account any guidelines developed by the **industry body** under rule 61.1.

## **62. Removal of registered deemed profile from register**

**62.1** If the **allocation agent** determines under rule 58.5 or 60.4 that a **registered deemed profile** no longer continues to be a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies, the **allocation agent** must:

**62.1.1** Remove the **registered deemed profile** from the register; and

**62.1.2** Advise the **retailer** which registered the deemed profile of the date on which the deemed profile was removed from the register.

**62.2** If a **registered deemed profile** has not been reviewed under rule 58 or 59 or challenged under rule 60 for a period of 5 years or longer, the **allocation agent** must:

**62.2.1** Remove the **registered deemed profile** from the register; and

**62.2.2** Advise the **retailer** which registered the deemed profile of the date on which the deemed profile was removed from the register.

**62.3** If a **consumer installation** or class of **consumer installations**, to which a **registered deemed profile** applies, switches to a new **retailer** so that the **retailer** who registered the deemed profile is no longer the **responsible retailer** for that **consumer installation** or class of **consumer installations**:

**62.3.1** The **retailer** which registered the deemed profile must as soon as practicable advise the **allocation agent** of that fact;

**62.3.2** The **allocation agent** must remove the **registered deemed profile** from the register; and

**62.3.3** The **allocation agent** must advise the **retailer** which registered the deemed profile of the date on which the deemed profile was removed from the register.

**62.4** Nothing in this rule affects the use of a previously **registered deemed profile** in allocations for prior **consumption periods** where the **retailer** was the **responsible retailer** for that **consumer installation** or class of **consumer installations**.

### **63. Costs of deemed profile registration**

**63.1** The **retailer** which requests approval of a deemed profile under **rules** 55.2 or 56.2 must pay to the **allocation agent** the actual and reasonable costs of considering the request and, where applicable, registering the deemed profile.

**63.2** In relation to meeting the costs of the **allocation agent** for reviewing a **registered deemed profile** under rule 58 or 59, the **retailer** whose **registered deemed profile** was reviewed must pay to the **allocation agent** the actual and reasonable costs of the review.

**63.3** In relation to meeting the costs of the **allocation agent** for considering a challenge to the use of a **registered deemed profile** under rule 60 –

**63.3.1** The **allocation participant** that made the challenge must pay to the **allocation agent** the actual and reasonable costs of the **allocation agent** if the **allocation agent** determines that the **registered deemed profile** is a reasonable representation of the actual consumption profile of the **consumer installation** or class of **consumer installations** to which it applies; and

**63.3.2** The **retailer** whose **registered deemed profile** was challenged must pay to the **allocation agent** the actual and reasonable costs of the **allocation agent** if the **allocation agent** determines that the **registered deemed profile** should be removed from the register.

#### **64. Referral to industry body**

**64.1** Where a **retailer** disputes a determination made by the **allocation agent** under this Part 3 of the **rules**, the **retailer** may by notice in writing refer the matter to the **industry body** for review.

**64.2** As soon as practicable and no later than 20 **business days** after receiving notice under rule 64.1, the **industry body** must review the **allocation agent's** determination having regard to the requirements of rules 55 to 62, as applicable, and either:

**64.2.1** confirm the **allocation agent's** determination; or

**64.2.2** refer the matter back to the **allocation agent** for reconsideration.

**64.3** To avoid doubt, rule 64.1 does not apply where the **industry body** has previously referred the matter back to the **allocation agent** for reconsideration.

### **Part 4**

#### **Audits**

#### **65. Industry body to commission performance audits**

**65.1** The **industry body** must arrange at regular intervals performance audits of the **allocation agent** and **allocation participants**.

**65.2** The purpose of a performance audit under this rule is to assess in relation to the **allocation agent** or an **allocation participant**, as the case may be,  
—

**65.2.1** The performance of the **allocation agent** or that **allocation participant** in terms of compliance with these **rules**; and

**65.2.2** The systems and processes of the **allocation agent** or that **allocation participant** that have been put in place to enable compliance with these **rules**; and

**65.2.3** Whether, after the implementation of an intended change notified under rule 65.4, the **allocation agent** or that **allocation**

**participant** will be, or will be able to be, compliant with these **rules**.

**65.3** The **industry body** in its sole discretion will determine –

**65.3.1** When a performance audit under this rule is to be conducted;

**65.3.2** The person who is to be audited;

**65.3.3** Subject to rule 68, who will be appointed as the auditor; and

**65.3.4** Any terms and conditions for the performance audit.

**65.4** If the **allocation agent** or an **allocation participant** intends to make a change to any of its systems, processes or procedures that could reasonably be considered to be likely to have a major impact on the **allocation agent's** or **allocation participant's** compliance with these **rules**, it must, at least 90 days before the change is to take place, advise the **industry body** of the proposed change.

**65.5** Upon notification of a proposed change under rule 65.4, the **industry body** must arrange a performance audit of the **allocation agent** or **allocation participant** to be completed at least 30 days before the change is to take effect.

**65.6** The purpose of a performance audit arranged under rule 65.5 shall be limited in scope to an audit of the impact of the proposed change on the **allocation agent** or **allocation participant's** systems, processes and procedures.

## **66. Industry body may commission event audits**

**66.1** In addition to performance audits under rule 65, the **industry body** may cause to be conducted at any time an event audit of the **allocation agent**, **allocation participants** or allocation processes in respect of one or more **gas gates**.

**66.2** The purpose of an event audit under this rule is to ascertain the cause or causes of any particular issue or event that has arisen in relation to the allocation of gas under these **rules**.

**66.3** The **allocation agent** or any **allocation participant** may request the **industry body** to cause an event audit to be performed under rule 66.1.

**66.4** If the **industry body** receives a request under rule 66.3, the **industry body** must, in its sole discretion, decide whether to grant or refuse the request. However, the **industry body** must not grant a request that, in the opinion of the **industry body**, is frivolous or vexatious or is not made in good faith.

## **67. Time restriction on audit material**

In conducting an audit under rule 65 or 66, the auditor must not consider any action, circumstance, event, or inaction that occurred 30 months or more before the date the audit was requested by the **industry body**.

## **68. Who may be appointed as an auditor**



- 68.1** In appointing an auditor, the **industry body** must appoint a person who is independent to and not in a position of conflict of interest with the **allocation agent** or the **allocation participant(s)**, as the case may be, that are to be audited.
- 68.2** No officer or employee of the **industry body** may be appointed as an auditor.
- 68.3** The person or persons that are to be the subject of the audit may recommend one or more auditors for the **industry body's** consideration.

**69. Provision of information to auditor**

- 69.1** In conducting an audit under rule 65 or 66, the auditor may:
- 69.1.1** Request any information from the **allocation agent**, the **industry body** and any **allocation participant**; and
  - 69.1.2** Request to examine any processes, systems, procedures and data of the **allocation agent** and any **allocation participant**, provided such processes, systems, procedures and data are directly relevant to the performance of the **allocation agent** or the **allocation participant** in terms of compliance with these **rules**.
- 69.2** Any request under rule 69.1 must be reasonable and strictly for the purposes of the audit.
- 69.3** The **allocation agent**, the **industry body** and every **allocation participant** must comply with a request under rule 69.1 but nothing in this rule limits any claim for legal professional privilege.
- 69.4** In providing information to the auditor, an **allocation participant** or the **allocation agent** may indicate to the auditor where such information is considered to be confidential.
- 69.5** For the purposes of this Part 4 of the **rules**, information is confidential if the **allocation participant** or the **allocation agent**, who either owns or holds the information, considers that the information is commercially sensitive.

**70. Auditor to prepare draft audit report**

- 70.1** The auditor must prepare, in writing, a draft audit report on the conclusions reached and recommendations formulated as a result of conducting an audit under rule 65 or 66.
- 70.2** Subject to rule 72, the auditor must give a copy of the draft audit report to –
- 70.2.1** The person or persons that are the subject of the audit;
  - 70.2.2** The **allocation agent**, if the **allocation agent** is not the subject of the audit;

**70.2.3** Any other **allocation participant** which the auditor considers has an interest in the report; and

**70.2.4** The **industry body**.

**70.3** In providing the draft audit report under rule 70.2, the persons referred to in that rule, and the **industry body**, have 10 **business days** from the date the report is received to provide the auditor with comments on the report.

## **71. Auditor to prepare final audit report**

**71.1** Before the auditor prepares a final audit report on the conclusions reached and recommendations formulated as a result of conducting an audit under rule 65 or 66, the auditor must take into account any comments received on the draft audit report.

**71.2** The final audit report must be in writing and, if so requested by the person or persons that are the subject of the audit, must include as an appendix any comments from that person or persons on the draft audit report.

**71.3** Subject to rule 72, the auditor must give a copy of the final audit report to –

**71.3.1** The person or persons that are the subject of the audit;

**71.3.2** The **allocation agent**, if the **allocation agent** is not the subject of the audit;

**71.3.3** Any other **allocation participant** which the auditor considers has a material interest in the report; and

**71.3.4** The **industry body**.

**71.4** Once the auditor has given a final audit report under this rule, the report may not be altered in any way.

## **72. Confidential information in audit reports**

**72.1** In providing a draft audit report or final audit report, the auditor must provide a complete version to the **industry body**.

**72.2** However, at the discretion of the **auditor**, the versions of the draft audit report and the final audit report provided to any other person or **published** under these **rules** may exclude any confidential information obtained in the conduct of the audit.

## **73. Publication of final audit reports**

Subject to rule 72, the **industry body** must **publish** all final audit reports.

## **74. Use of final audit reports**

To avoid doubt, a final audit report may be used –

**74.1** For the purposes of the Gas Governance (Compliance) Regulations 2008;

**74.2** For the purposes of considering any amendments to these **rules**;

- 74.3** By the **industry body**;
- 74.3.1** Under rule 51 in considering whether to request the **allocation agent** to perform a **special allocation**;
  - 74.3.2** For the purpose of reviewing the performance of the **allocation agent** under the **allocation agent service provider agreement**;
  - 74.3.3** For the purpose of reviewing the performance of an auditor; and
  - 74.3.4** For any other purposes that it considers necessary.

**75. Responsibility for audit costs**

- 75.1** In relation to an audit under rule 65, the person that is being audited must pay the costs of the auditor.
- 75.2** In relation to an audit under rule 66, the following provisions apply:
- 75.2.1** If the auditor concludes that one or more material issues have been raised in relation to compliance with these **rules**, the **allocation agent** or the **allocation participants** to which the material issues relate must pay a proportion of the costs of the auditor that reflects:
    - (a) the contribution of those material issues to the event for which the audit was commissioned, as determined by the auditor; and
    - (b) their contribution to those material issues as determined by the auditor.
  - 75.2.2** If the auditor concludes that no material issue has been raised in relation to compliance with these **rules**, the costs of the auditor must be apportioned between such of the **allocation agent** and the **allocation participants**, as the case may be, as the **industry body** determines in its sole discretion.
  - 75.2.3** If rule 75.2.1 applies and the costs of the auditor are not met in full under that clause, then the remaining costs of the auditor must be apportioned between such of the **allocation agent** and the **allocation participants**, as the case may be, as the **industry body** determines in its sole discretion.
- 75.3** For the purposes of this rule, the costs of the auditor are those costs that have been agreed between the **industry body** and the auditor.

## Schedule 1 – Correcting for consumer metering errors

**Retailers** must use the best information available to them at the time of calculating **daily metered energy quantities**.

Metering error	Correction criteria
<b>Minimum flow rate</b>	<b>Meters</b> are to be considered capable of measuring accurately down to the minimum flow rate for accurate measurement specified by the manufacturer, i.e. Qmin. While a <b>meter</b> will generally continue to register flow at flow rates less than Qmin, no corrections to volumes measured may be based on the performance of the <b>meter</b> at flows below Qmin if the <b>meter</b> was known to have been operating below Qmin. Any such corrections may only be applied if other suitable data is available.
<b>Meter equipment failure</b>	Where <b>metering equipment</b> has failed completely, the methods of calculating delivered volume, in order of preference, are: <ul style="list-style-type: none"> <li>• To use data from check metering;</li> <li>• To aggregate data from downstream <b>metering equipment</b> (with due allowance for <b>UFG</b> if applicable);</li> <li>• To estimate based on historical consumption data;</li> <li>• To estimate based on downstream consumer production figures.</li> </ul>
<b>Meter found to be in error</b>	If during as-found testing any test result is outside the allowable error limits, the <b>meter</b> is to be tagged to show that a correction may be required. The <b>meter</b> must not have its seals broken until such tests, as may be required, are completed. <p>If the in-service operating range of the <b>meter</b> is known (for example, from <b>TOU</b> data or otherwise), correction is to be based on the error or errors applicable to that range. Generally, a volume-weighted error, or the error-versus-flow relationship established from testing across the range is to be used to determine the correction.</p> <p>If the in-service operating range of the <b>meter</b> is not known, the correction is to be based on the arithmetic average of the errors found from tests performed as specified above, i.e. at Qmin, 20%, 50% and Qmax.</p>
<b>Corrector failure</b>	Where a <b>corrector</b> has failed completely, the corrected volume will be calculated from the uncorrected volume measured by the <b>meter</b> , using: <ul style="list-style-type: none"> <li>• An appropriate correction factor from a period when the <b>corrector</b> was functioning properly; or</li> <li>• Independent corrections for pressure and temperature and other factors (as applicable).</li> </ul>
<b>Corrector found to be in error</b>	<b>Correctors</b> generally operate within a narrow range in terms of correction factor, reading or output signal (as the case may be). If during as-found testing such instruments are found to be in error, corrections are to be based on adjustments for the difference between the as-found factor, reading or output and the normal or expected value of such factor, reading or output.
<b>TOU device or datalogger failure</b>	Where a datalogger associated with a <b>TOU meter</b> fails, and daily quantity data is not available, the methods of determining a correction, in order of preference, are: <ul style="list-style-type: none"> <li>• To distribute the total volume for the period over the days in the period by applying a typical profile from a corresponding prior period; and</li> <li>• To use data from check metering where available.</li> </ul>

## Schedule 1A – Correcting for gas gate metering errors

Rules 41 and 44

**Transmission system owners** must use the best information available to them at the time of calculating **daily metered energy quantities**

Metering error	Correction criteria
<b>Suspected Metering Error</b>	<p>If the <b>transmission system owner</b> suspects, or is made aware of, but cannot confirm before the times specified in rule 41 the existence of a metering error at a <b>gas gate</b>, then it will determine <b>daily metered energy quantities</b> for the relevant period based on one or more of the following:</p> <ul style="list-style-type: none"> <li>(a) quantities derived from <b>metering equipment</b>;</li> <li>(b) historical data for a corresponding prior period; and/or</li> <li>(c) any other information reasonably available to the <b>transmission system owner</b>.</li> </ul>
<b>Actual Metering Error</b>	<p>If the <b>transmission system owner</b> discovers, or is made aware of, a metering error at a <b>gas gate</b>, <b>daily metered energy quantities</b> for the relevant period will be calculated based on one or more of the following, as applicable to the nature of the of the <b>metering equipment</b> error:</p> <ul style="list-style-type: none"> <li>(a) the results of testing performed on the <b>metering equipment</b> found to have been in error;</li> <li>(b) data from accurate <b>metering equipment</b> operating in series;</li> <li>(c) data from accurate <b>metering equipment</b> operating in parallel;</li> <li>(d) correction factors from a relevant time period when the <b>conversion device</b> or other <b>metering equipment</b> was functioning properly;</li> <li>(e) independent corrections for pressure, temperature, compressibility or other relevant factors;</li> <li>(f) gas properties based on relevant historical information;</li> <li>(g) gas properties from the most appropriate alternative gas analyser;</li> <li>(h) data from <b>metering equipment</b> unaffected by the error;</li> <li>(i) data from another party's accurate check metering downstream of the <b>gas gate</b>;</li> <li>(j) consumption quantities from <b>consumer installations</b> provided by the <b>allocation agent</b>, including production profiles (with due allowance for <b>UFG</b> if applicable);</li> <li>(k) historical data for a corresponding prior period; and/or</li> <li>(l) other information reasonably available.</li> </ul>

## Schedule 2 – Allocation in zero consumption situations

Rule 45.2.7

Where rule 45.2.7(c) applies, the allocated quantities are to be calculated in accordance with the following formulae:

1. If:
  - (a) the **retailers** supplying gas to **consumer installations** at the **allocated gas gate** during the **consumption period** being allocated are the same **retailers** who supplied gas to **consumer installations** at the **allocated gas gate** during the previous **consumption period**; and
  - (b) the **retailers** are supplying gas under the same **contract identifier(s)** and **allocation group(s)** as during the entire previous **consumption period**:

$$AQ_{r,c,g,d} = EI_d \times (PAQ_{r,c,g} / \sum PAQ_{r,c,g})$$

Where:

$AQ_{r,c,g,d}$  is the quantity of gas in **GJ** to be allocated to **retailer r** for day  $d$  under **contract identifier c** and **allocation group g**;

$EI_d$  is the **daily metered energy quantity** in **GJ** provided by **transmission system owners** under rule 41 for day  $d$ ;

$PAQ_{r,c,g}$  is the average daily allocated quantity in **GJ** for the previous **consumption period** for **retailer r**, under **contract identifier c** and **allocation group g**;

$\sum PAQ_{r,c,g}$  is the sum of  $PAQ_{r,c,g}$  across all **retailers**, **contract identifiers** and **allocation groups**; or

2. In all other cases:

$$AQ_{r,c,g,d} = EI_d / (N_r \times N_c \times N_g)$$

Where:

$AQ_{r,c,g,d}$  is the quantity of gas in **GJ** to be allocated to **retailer r** for day  $d$  under **contract identifier c** and **allocation group g**;

$EI_d$  is the **daily metered energy quantity** in **GJ** provided by **transmission system owners** under rule 41 for day  $d$ ;

$N_r$  is the number of **retailers** supplying gas to **consumer installations** at the **allocated gas gate** for the **consumption period** being allocated, as determined by the **gas gate** trading notices that have been provided to the **allocation agent** under rule 39;

$N_c$  is the number of active **contract identifiers** for **retailer r** at the **allocated gas gate**, as determined by the **gas gate** trading notices that have been provided to the **allocation agent** under rule 39; and

$N_g$  is the number of **allocation groups** for which **retailer r** submits consumption information under **contract identifier c** at the **allocated gas gate**.

3. In this Schedule:

- (a) the previous **consumption period** means the **consumption period** that is immediately prior to the **consumption period** that is being allocated; and
- (b) in subclause 1, where there was no allocation for a **retailer** in the previous **consumption period** for an **allocation group**, then that **retailer's** average daily allocation quantity for that **allocation group** ( $PAQ_{1-6}$ ) is zero.