

IMPACT & IMPLEMENTATION REPORT – SUMMARY SECTION

(For AEMO to complete and administer)

Issue Number	IN013/17		
Proponent	APA	Date of submission	12/01/2018
Affected gas markets	Queensland Retail Market, STTM	Consultation process (Ordinary or Expedited)	Ordinary
Industry consultative forums used	GRCF	Date industry consultative forums consultation concluded	27/04/2018
Short description of change	Queensland UAFG arr Provider is a Non-Host	angements for where the Retailer.	Distribution UAFG
Procedures or documentation impacted	Retail Market Procedures (Queensland) version 14.0 Participant Build Pack 4 (Queensland) version 10.0 Gas Interface Protocol (GIP) (Queensland) version 18.0 Distributors UAFG estimation methodology		
Date I&IR published	8/06/2018	Date consultation under 135EE or 135EF concludes	9/07/2018
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IMPACT & IMPLEMENTATION REPORT - DETAILED REPORT SECTION

ASSESSMENT OF PROPOSAL

1. Rationale for the change and summary of any proposed amendments to Procedures.

(see Attachment A for details of the existing Procedure including draft showing the marked up changes) Currently the Retail Market Procedures (RMP) for Queensland do not make specific reference to Unaccounted For Gas (UAFG). However as a result of the settlement by difference process, 100% of daily UAFG is effectively allocated to the Host Retailer of each distribution network. Clause 6.3.1 (Determination of Aggregated Consumption) allocates daily consumption for each withdrawal zone and distribution region among Users.

Until recently, the contractual arrangements for the supply of physical UAFG have mirrored these RMP arrangements, with the Host Retailer in each network contracting with the Distributor for the supply of UAFG.

However, the most recent contract for UAFG commencing 1 July 2017 in the Allgas network was won by a Non-Host Retailer. As a result, the contractual and current RMP arrangements for UAFG from 1 July 2017 would have been inconsistent, so an interim arrangement between all parties has been agreed for the first year of the contract.

The changes in this Impact and Implementation Report (RMP) as described in attachment A, B and C proposes a formalised permanent solution.

The proposed amendments to the RMP described in attachment A cover:

- General provisions that describe when the clauses apply and the form in which the information is to be provided;
- The registration of a UAFG provider MIRN;
- The obligation on the Distributor to publish a UAFG estimation methodology which includes requirements that the Distributor must consult on any changes;
- Provisions about the Distributor providing estimated consumed energy for the UAFG MIRN to AEMO;
- Provisions about an annual adjustment of allocated UAFG.

The proposed amendments in attachment C cover the Distributors methodology for the estimation of daily UAFG for allocation to the UAFG MIRN for each withdrawal zone and distribution region.

	In summary, the proposed amendments to the Participant Build Pack 4 (Queensland) in attachment B cover - the transactions to be used for the reconciliation process.
2. Overall Industry Cost/Benefit estimate.	APA have indicated that the costs to implement their system and process changes are under \$10K. AEMO cost to setup a new process and perform UAFG wash-up reconciliation process for QLD on a yearly basis will be under \$5k. In term of benefits, this initiative allows for alternative UAFG providers beyond the Host Retailer, increasing competition.
3.The likely implementation effect of the change(s) on stakeholders	Distributors will need to change its interval metering data reporting system to allocate daily estimated UAFG to Allocated UAFG MIRNs (Interval) for reporting to market. Regular monthly process for the Distributor to nominate the anticipated daily UAFG to the UAFG provider ahead of the month.
	Additional steps in the wash-up process to reconcile UAFG involving User and AEMO.
4. Recommendation on any testing requirements	Nil
5. AEMO's preliminary	Consistency with NGL and NGR:
assessment of the proposal's compliance with section 135EB:	AEMO's view is that the proposed RMP changes are consistent with the NGL and cover matters that the RMP may deal with under Section 135EA(1) of the NGR.
	National Gas Objective:
	"Promote efficient investment in, and efficient operation and use of, natural gas services for the long term interests of consumers of natural gas with respect to price, quality, safety, reliability and security of supply of natural gas."
	It is AEMO's view that the proposed changes described in this IIR will assist the efficient operation of the retail gas market, and are in the long-term interests of consumers as it promotes retail competition.
	Applicable Access Arrangements:
	AEMO's view is that the proposed changes in this IIR are not in conflict with existing Access Arrangements. The Distributor

	did not raise concerns with the proposed amendments in relation to their Access Arrangement.
6. Consultation forum outcomes	All clauses were agreed and a couple of new clauses were added. Discussion were had around whether this procedure could be applied to the host and non-host retailer. Feedback on the updated and new clauses as well as the discussion on the concept of host and non-host retailer process being the same is due by 4 June 2018.
	Procedure now updated to have no differentiation between host and non host retailer as the UAFG provider.
	Procedure now takes into account the need to register a reconciliation MIRN.

RECOMMENDATION(S)		
7. Should the proposed Procedures be made, (with or without amendments)?	AEMO recommends that the changes to the artefacts be made as drafted in Attachment A, B and C.	
8. Proposed effective date for the proposed change(s)	The proposed changes as described in attachment A, B and C are to take effect on 1 September 2018. The key milestones to achieve this effective date are: IIR issued on 8 June 2018 IIR submission close 9 July 2018 Notice of decision published 30 July 2018.	

ATTACHMENT A – DOCUMENTATION CHANGES (SEE SECTION 3)

Blue represents additions Red and strikeout represents deletions - Marked up changes

Comments may be used to explain changes to the document

Extract of the Retail Market Procedure (QLD). This extract is to be read in conjunction with the current version 14 of the RMP (QLD). Click here to view version 14 the RMP

Addition to clause 1.1.2 Definitions.

adjustment period	Period	agreed	between	the	Distributor	and	Users	for

adjusted energy and or delivery

allocated UAFG Means the UAFG estimated by the Distributor that is sent

to AEMO as described in clause 11.2.2

reconciliation MIRN Means the MIRN that the Distributor registers with AEMO

to cater for reconciliation adjusted gas delivery for both the

UAFG provider and host retailer

reconciliation quantity The amount of gigajoules for each withdrawal zone and

distribution region provided to Users to enable them to

determine whether UAFG is in surplus or shortfall

Means the methodology referred to in clause 11.3

Total Consumption All meter readings for all basic meters and interval meters

during the UAFG year. This includes UAFG.

Total Injection Consumed energy from custody transfer meters

UAFG See definition for unaccounted for gas

UAFG estimation

methodology

UAFG MIRN Means the MIRN that the Distributor registers with AEMO

with FRO as the *UAFG provider* for the relevant *distribution* area as described in clause 11.2.1 for the purpose of

allocating a *UAFG* value.

UAFG provider Means the retailer who provides UAFG in a distribution

area for a UAFG year.

UAFG year Means a period for UAFG reconciliation commencing at

the start of gas day 1 July in any year and concluding at

the end of a gas day 30 June for the following year.

Unaccounted for gas is the difference between the amount of gas injected into

the distribution system at all custody transfer meters and the amount of gas withdrawn from the distribution system at all distribution supply points, including but not limited to leakage or other actual losses, discrepancies due to metering inaccuracies and variations of temperature,

pressure and other parameters.

New chapter 11 additions.

CHAPTER 11 DISTRIBUTION UNACCOUNTED FOR GAS

11.1 General

(a) The *Distributor* must notify *AEMO* within 30 *business days* of appointing a *UAFG provider*.

11.2 Registration of the UAFG provider MIRN

- (a) No later than 20 business days prior to the UAFG provider commencing deliveries of UAFG the relevant Distributor must register with AEMO one interval meter MIRN for each withdrawal zone and distribution region for which the UAFG provider has been appointed.
- (b) The registration of the *UAFG MIRN* referred to in clause 11.2 (a) must follow the process for a new *interval meter* referred to in clause 5.2.3 (b).

11.3 Registration of the UAFG reconciliation MIRN

- (a) No later than 20 business days prior to the UAFG provider commencing deliveries of UAFG the relevant Distributor must register with AEMO the required number of interval meter MIRNs for each withdrawal zone and distribution region. One reconciliation MIRN must have the host retailer as the FRO, the other reconciliation MIRN must have the UAFG provider as the FRO if the UAFG provider is not the host retailer.
- (b) The registration of the *UAFG reconciliation MIRNs* referred to in clause 11.5 (a) must follow the process for a new *interval meter* referred to in clause 5.2.3 (b).

11.4 UAFG estimation methodology

- (a) The *Distributor* must publish its *UAFG estimation methodology* on its website.
- (b) The *Distributor* will use reasonable endeavours to ensure the *UAFG* estimation methodology results in the annual reconciliation quantity tending towards zero.
- (c) The *Distributor* prior to implementing changes to the published *UAFG* estimation methodology must
 - (i) provide *Users* and *AEMO* with the proposed change to the *UAFG* estimation methodology; and
 - (ii) allow a reasonable time to receive *Users* and *AEMO* responses to the proposed changes to the *UAFG* estimation methodology.

11.5 Provision of estimated consumed energy for the UAFG MIRN

- (a) For each gas day the Distributor must apply the UAFG estimation methodology to calculate the estimated daily UAFG for each withdrawal zone and distribution region.
- (b) The *Distributor* must communicate the estimated *UAFG* for each withdrawal zone and distribution region for each day to the *UAFG* provider in an agreed time and format.
- (c) At the end of each *gas day* the *Distributor* must allocate the daily *UAFG* amount for each *withdrawal zone* and *distribution region* to

- the associated *UAFG MIRN* which has been agreed with the *UAFG provider*.
- (d) The *Distributor* must provide the daily estimated *UAFG* for the *UAFG MIRN* with the energy data for *interval meters* in accordance with the delivery timeframes set out in clause 5.5.
- (e) AEMO must use the data in clause 11.4 (b) for settlement purposes.

11.6 Annual adjustments of allocated UAFG.

11.6.1 AEMO to provide annual injection data

Within 10 *business days* of issuing the nine calendar month revision for June of the *UAFG year*, *AEMO* will provide the *consumed energy* for *custody transfer meters* for the *UAFG year* to the *Distributors*.

11.6.2 Distributor, and Users to agree data.

- (a) Within 25 business days having received the data referred to in clause 11.6.1 each *Distributor* must for each withdrawal zone and distribution region.
 - (i) provide each *User* with all *meter readings* for all *basic meters* and *interval meters* during the *UAFG year* for which the *User* was the *FRO* during the *UAFG year*;
 - (ii) where the *meter readings* for *basic meters* in clause 11.6.2(a)(i) span two *UAFG years*, the *Distributor* must allocate the *meter reading* between the two *UAFG years* in proportion to the applicable *NSL*; and
 - (iii) send the data referred to in clause 11.6.1 and 11.6.2 (a) (i) to *Users*.
- (b) The data referred to in clause 11.6.2 (a) (i) and (ii), must be agreed between *Distributors* and *Users* within 40 *business days* from the day on which the data was received.
- (c) If the *User* does not agree with the data provided in clause 11.6.2 (a) (i) and (ii), the *User* must resolve the query with the *Distributor* within the time frame set out in 11.6.2(b).
- (d) When the *Distributor* receives agreement from all *Users*, *Distributors* must provide *AEMO* the agreed consumption data within *10 business* days after the time period referred to in clause 11.6.2 (b) has elapsed.

11.6.3 AEMO to determine reconciliation quantity.

- (a) Within 25 business days after receiving the data referred to in clause 11.6.2. (d), AEMO must calculate the annual reconciliation quantity for each withdrawal zone and distribution region in accordance with this clause based on the data provided by the Distributors.
- (b) AEMO will apply the following formula to calculate the *reconciliation* quantity.

(c) Within 10 business days after calculating the annual reconciliation quantity under clause 11.6.3 (b), which will include an indicator to signify whether the annual reconciliation quantity is in surplus or shortfall, AEMO must provide the annual reconciliation quantity, to the Distributor, UAFG provider and the host retailer.

11.6.4 Users reconciliation.

- (a) Within 20 business days of having received the annual reconciliation quantity under clause 11.6.3 (c), the UAFG provider and the host retailer must agree on the UAFG adjusted gas deliveries and timeline to resolve their respective surplus or shortfall position for each withdrawal zone and distribution region.
- (b) Within 10 business days after agreeing to the *UAFG* adjusted gas deliveries and timeline referred to in clause 11.6.4 (a), the *UAFG* provider must provide the *Distributor* the agreed *UAFG* adjusted gas deliveries and timeline for each withdrawal zone and distribution region.
- (c) Daily reconciliation quantities must commence from the first day of the next month that is, at least 10 business days after the date the total reconciliation quantity is agreed, unless otherwise agreed by the Distributor, host retailer and UAFG provider.
- (d) The daily *reconciliation quantity* will be limited to 500GJ per day plus one day at less than 500GJ to ensure the entire annual *reconciliation quantity* is recovered.
- (e) The Distributor provides the daily reconciliation quantity as energy values to the relevant reconciliation MIRN.
 - (i) If the daily reconciliation quantity was positive (surplus) the agreed daily reconciliation quantity is sent to the UAFG provider reconciliation MIRN as a positive value (host retailer provided some of the UAFG as the estimate was too low)
 - (ii) If the daily reconciliation quantity was negative (shortfall) the agreed daily reconciliation quantity is sent to the host retailer reconciliation MIRN as a positive value (UAFG provider gave too much UAFG as the estimate was too high)
 - (iii) Otherwise the daily *reconciliation quantity* is zero
- (f) For the avoidance of doubt:
 - The responsibilities of the *UAFG provider* extend until the last *gas day* for which a daily *reconciliation quantity* is required for the period they were the *UAFG provider*.
 - (ii) The changes apply to all *UAFG years* that end after the effective date of the Procedure (i.e. will include *UAFG year* 2018/2019)

ATTACHMENT B – DOCUMENTATION CHANGES (SEE SECTION 3)

Blue represents additions Red and strikeout represents deletions - Marked up changes

Comments may be used to explain changes to the document

Extract of the Participant Build Pack 4 (PBP4) changes (QLD). This extract is to be read in conjunction with the current version 10 the Participant Build Pack (QLD). Click here to view version 10 of the PBP4.

Additions to section 5 New transactions for Queensland.

5.13 Distribution Unaccounted for gas UAFG

This section details the transactions to be used for the UAFG process described in chapter 11 of the Queensland Retail Market Procedures (RMP).

5.13.1 CTM injection report (T600)

This section describes the transactions by which:

(i) AEMO provides consumed energy for custody transfer meters to the Distributor under clause 11.5.1 of the RMP; (ii) The distributor provides the consumed energy for custody transfer meters to the usages under clause 11.5.2 (a) (ii) of the RMP.

Transaction Definition	600 CTM Injection Report
Table cross-reference	
Trigger	10 business days of issuing the nine calendar month
	revision for June of the UAFG year
Pre-conditions	<u>None</u>
Post-conditions	None
<u>Transaction</u>	None
<u>acknowledgment</u>	
specific event codes	

<u>Transaction:</u>	600 CTM Injection Report
Received From:	AEMO
Sent To:	<u>Distributor</u>

Data Element	Mandatory/Optional/Not Required	<u>Usage</u>
uafg_year	<u>M</u>	YYYY YY Current UAFG year 2018_19 2019_20
State	<u>M</u>	QLD
statement_version_id	<u>M</u>	Monthly statement version used for ini_gi
version_from_date	<u>M</u>	
version to-date	<u>M</u>	
<u>Ini_gi</u>	<u>M</u>	Aggregated Injections by Distributor by Withdrawal Zone for UAFG Year (positive)
<u>Distributor id</u>	<u>M</u>	
<u>Distributor_name</u>	<u>M</u>	
Wd_zone_id	<u>M</u>	
Wd zone name	<u>M</u>	
created_date	<u>M</u>	

5.13.2 Meter readings for basic meters (T605)

This section describes the transactions by which the distributor is to provide the meter readings to users.

Transaction Definition	605 Meter readings for basic meters
<u>Table cross-reference</u>	
Trigger	Receipt of the T600 CTM Injection Report
Pre-conditions	None
Post-conditions	<u>None</u>
<u>Transaction</u>	None
<u>acknowledgment</u>	
specific event codes	

Transaction:	605 Meter readings for basic meters
Received From:	Distributor
Sent To:	Retailer

Data Element	Mandatory/	<u>Usage</u>
	Optional/Not Required	
MIRN	<u>M</u>	
Invoice Number	<u>M</u>	
Transaction Id	<u>M</u>	
Transaction_Date	<u>M</u>	
Adjustment Indicator	<u>M</u>	C = Cancelled transactionR = Rebilled transactionN = New transaction
Period	<u>M</u>	
Billing_Days	<u>M</u>	
Type_of_Read	<u>M</u>	A = Actual E = Estimated S = Substituted C = Customer own read
Consumption MJ	<u>M</u>	
Current_Read_Date	<u>M</u>	
Previous Read Date	<u>M</u>	
Distributor_ID	<u>M</u>	
Network_Tariff_Code	<u>M</u>	
Current_NSL_Split	<u>O</u>	

5.13.3 Queries on data issues (T610)

This section describes the transactions by which the Users submit queries if they find any issues in the consumption data provided by Distributors.

Transaction Definition	610 Queries on data issues
<u>Table cross-reference</u>	
Trimon	Descipt meter readings for LIATO year
<u>Trigger</u>	Receipt meter readings for UAFG year
<u>Pre-conditions</u>	None
Post-conditions	None
<u>Transaction</u>	None
acknowledgment specific	
event codes	

Transaction:	610 Queries on data issues
Received From:	Retailer
Sent To:	Distributor

<u>Data Element</u>	Mandatory/ Optional/Not	<u>Usage</u>
	Required	
MIRN	<u>M</u>	
Invoice Number	<u>M</u>	
Transaction_ID	<u>M</u>	
Transaction_Date	<u>M</u>	
Adjustment_Indicator	<u>M</u>	
<u>Period</u>	<u>M</u>	
Billing Days	<u>M</u>	
Type of Read	<u>M</u>	
Consumption_MJ	<u>M</u>	
Current_Read_Date	<u>M</u>	
Previous_Read_Date	<u>M</u>	
Distributor_ID	<u>M</u>	
Network_Tariff_Code	<u>M</u>	
Current_NSL_Split	<u>O</u>	
Comments	<u>M</u>	<u>User Comments on Data issues</u>

5.13.4 Reconciliation quantity (T615)

This section describes the transactions by which AEMO will provide the data to the distributor, UAFG Provider and the host retailer.

Transaction Definition	615 Reconciliation quantity
Table cross-reference	
<u>Trigger</u>	Receipt of the agreed consumption data
Pre-conditions	None
Post-conditions	None
<u>Transaction</u>	None
<u>acknowledgment</u>	
specific event codes	

<u>Transaction:</u>	615 Reconciliation quantity
Received From:	<u>AEMO</u>
Sent To:	<u>Distributor/HostRetailer/UAFG Provider</u>

Column Name	Mandatory/ Optional	Comment
<u>UAFG Year</u>	<u>M</u>	YYYY YY Current UAFG year 2018_19 2019_20
consumption	M	<u>GJ</u>
Distributor_id	M	
Distributor_name	M	
Wd_zone_id	<u>M</u>	
Wd_zone_name	<u>M</u>	

New Transactions to be added to Appendix A	A (Table of Transactions)		

Ref No	Re	Basic, Interval or Both	NO	Category	ure Ref	in ref to	s Map	Trans Type	Trigg er	From	То	Purpose	Туре	Meth od	Data Elements - Received	Data Elements - Sent back	Comments
600		Interval	GIP		11.5.1			CTM Injection Report	10 busin ess days of issuin g the nine calen dar mont h revisi on for June of the UAF G year	AEMO	Distribut	Provides consumed energy for customer transfer meters to the Distributor	M2B	Email	uafg_year State statement_v ersion_id version_fro m_date version_to- date Inj_gj Distributor_i d Distributor_ name Wd_zone_id Wd_zone_n ame created_dat e	N/A	

605	Basic GIP	11.5.2 (a)(i)	Meter readings for basic meters Meters Recei pt of the T600 CTM Injecti on Repor t		Provides basic meter data to users	MIRN Invoice_Nu mber Transaction _Id Transaction _Date Adjustment_ Indicator Period Billing_Days Type_of_Re ad Consumptio n_MJ Current_Re ad_Date Previous_R ead_Date Distributor_I D Network_Ta riff_Code Current_NS L_Split	N/A	
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610	Both	GIP	11.5.2 (c)	Queries on data issues	Recei pt meter readi	User	Distribut or	Queries provided meter data		MIRN Invoice Number	N/A	
					ngs for UAF G					Transaction _ID		
					year					Transaction _Date		
										Adjustment_ Indicator Period		
										Billing_Days		
										Type_of_Re ad		
										Consumptio n_MJ		
										Current_Re ad_Date		
										Previous_R ead_Date Distributor_I		
										D Network_Ta		
										riff_Code		

								Current_NS L_Split Comments	
615	Both	GIP	11.5.3		Recei pt of the agree d consu mptio n data		Provides reconciliation quantity and advises whether it is in surplus or shortfall.	UAFG_Year consumptio n Distributor_i d Distributor_ name Wd_zone_id Wd_zone_n ame	

ATTACHMENT C - DOCUMENTATION CHANGES (SEE SECTION 3)

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Comments may be used to explain changes to the document

The UAFG estimation methodology referred to in RMP clause 11.3.

The estimation of daily UAFG for allocation to the *UAFG MIRN* for each *withdrawal zone* and *distribution region* is calculated by the *Distributor* and advised to the *UAFG provider* prior to the commencement of each month.

The estimation of daily UAFG for allocation to the *UAFG MIRN* for each *withdrawal zone* and *distribution region* is based on the Moving Annual Total (MAT) UAFG for the previous 12 months, divided by 365 and applied evenly over each day of the following month.