

Utility Licence Annual Report 2015–16 Gas distribution

ActewAGL Distribution

Introduction

Instructions for completing the annual report About the survey

Section 5: Gas General Metering Code - gas distributors

- 5.1 Required operational documents
- 5.2 Metering equipment

Section 6: Gas Safety and Operating Plan Code (SAOP)

- 6.1 Required operational documents
- 6.2 Compliance summary Safety and Operating Plan

Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

- 7.1 Description of the gas network
- 7.2 Safety management system
- 7.3 Design and review
- 7.4 Operation and monitoring
- 7.5 Maintenance and repair

Section 8: ActewAGL Gas Service and Installation Rules Code

8.1 Compliance summary - Gas Service and Installation Rules Code



Contents

Introduction

Instructions for completing the annual report

Under section 78 of the Utilities (Techncial Regulation) Act 2014, the Technical Regulator's function is to monitor compliance with techncial codes by regulated utility services. Information provided in this Annual Compliance and Performance Report will be used in the Technical Regulator's report required under s.80 of the Act. The Technical Regulator's report is required to be published.

Completing the templates:

- 1 In most cases a response of "yes", "no", "not-applicable", "not available", or a number will suffice. Additional details can be provided in the "Comments" column. An explanatory statement or supplementary information (e.g. copies of policies or procedures or a link to material on the internet) may also be attached.
- 2 If the licensee response represents a marked departure from previously reported performance or from industry norms, information is to be provided on the probable cause(s) of the departure. As above, this can be provided in the "Comments" column, or in an attachment.
- 3 All responses provided should only relate to services provided in the ACT. Where this is not possible, the licensee should advise which jurisdictions the information relates to.
- 4 If the licensee is not able to provide the data required in this template, the licensee should indicate "data not available" and provide supplementary information detailing whether and when it intends to collect this data. Where data is not available the licensee should provide any other data it has that could serve essentially the same purpose as the data requested (i.e. data that could equally indicate the level of licensee compliance and identify possible causes
- 5 Please indicate where material provided is confidential and not for general public release.



Tip: Press Alt-Enter to start a new line in a cell.

Legend and data validation

Legend

Blue cells with white text indicate column headings

Blank white cells beneath column headings can be used for additional comments

Orange cells indicate qualitative inputs.

Yellow cells indicate quantitative inputs

Grey cells indicate information to note when completing the form

Diagonal stripes indicate a value is not required

Blue text indicates a link to another page

Column heading

Enter comments in these cells

Enter qualitative data in these cells

Enter quantitative data in these cells

Notes for completing questions

These cells are locked

Link to another page



Contents Introduction

About the survey

Under section 78 of the *Utilities (Technical Regulation) Act 2014*, the technical regulator's function is to monitor compliance with technical codes by regulated utilities. Including the performance of their services and functions and their compliance with licence conditions. Reports are on a financial year basis and must be submitted to the Technical Regulator within three months of the end of that year (i.e. by 1 October). The reported information forms the basis for the Technical Regulator's annual compliance report for licensed utility service providers.

UTR 3 of 13

Section 5: Gas General Metering Code - gas distributors

5.1 Required operational documents

Ref	Item	Did the utility have compliant ¹ documents or procedures? (Yes/No* ²)	Document Reference Number	How many non- conformance reports were raised against these documents or procedures during the report year?	Were any independent audits of these documents or procedures conducted during the report year? (Yes/No)	If so, did the audits raise any non- conformances or establish any negative conclusions? (Yes*3/No)
1 5.3(3)	Metering Equipment test records, specify meter type, testing authority, testing regime and applicable standards used.	Yes	Testing and sealing of meters are carried out by a government authorised testing laboratory. They are obligated to keep records.	0	Yes	No
2 8.2(1)	Metering Equipment installation procedures for:	Yes	Jemena Field Guidelines and standard installation drawings. Australian Standards including AS 60079.14 & AS 3000	0	Yes	No
	Utility personnel	Yes	As above	0	Yes	No
	Licensed gasfitters	Yes	As above	0	Yes	No
3 9.1(2)	Metering Equipment maintenance plan for:	Yes	TPC.PROC.4.99.7	0	Yes	No
	 Domestic premises 	Yes	TPC.PROC.4.99.7	0	Yes	No
	Commercial premises	Yes	TPC.PROC.4.99.7	0	Yes	No
<u> </u>	a) Low pressure	Yes	TPC.PROC.4.99.7	0	Yes	No
	b) Medium pressure	Yes	TPC.PROC.4.99.7	0	Yes	No
-	Industrial premises	Yes	TPC.PROC.4.99.7	0	Yes	No
4 14.1	Metering data	Yes	SAP software platform	0	Yes	No

^{1 &}quot;compliant" here means that on the last day of the report year the document or procedure was up-to-date, fully compliant with the Utilities Act 2000 and Utilities (Technical Regulation) Act 2014 requirements (if

UTR 4 of 13

² If "No", attach explanatory statement indicating when this item was last up-dated and detailing remedial action including actual or proposed resourcing and completion date.

³ If "Yes", attach explanatory statement analysing the predominant causes (examining, in particular, the possibility of any systemic weaknesses) and outlining preventive measures and actual or target



Section 5: Gas General Metering Code - gas distributors

5.2 Metering equipment

Ref		Item	Comments	No. of Domestic Gas	No. of Commercial /
5	12.3	Total number of Metering Equipment		47	٥
	(1)&(3)	tests initiated by customer requests to a supplier		17	0
6	12.3	Number of above tests which			
	(1)&(3)	confirmed the accuracy of the metering equipment		16	0
7	12.1	Total number of Metering Equipment tests initiated by the utility		235	20
8	12.1	Number of meters that failed to meet			
		the prescribed tests accuracy levels		05	_
		(the test methods are prescribed in AS4944 – Gas meters – In service		25	0
		compliance testing)			
9	9.1.2(b	Total number of gas meters in service		125,249	5,819
10	8.2.1(b	a) Total number of gas meter sets			
)	audited/inspected at installation or		2,729	81
		completion stage for this reporting period			
		b) Total number of gas meter sets			
		found to be non-compliant at installation or completion stage for this		60	0
		reporting period.			
11	5.2(4)	Total number of known gas meter			
		installations currently in service that do not meet compliant standards or codes.		0	0
		·			
12	5.2(4)	Has the utility conducted a Risk Assessment by external parties to	Comprehensive, formal safety assessments were performed internally for the installation of domestic		
		evaluate risk controls for each of the	meters in high rise apartments and commercial	Yes	Yes
		above site/s.	meter sets.		
13	9.1.2(b	Total number of gas meters in service < 15 years of age.		79,011	5,724
14	9.1.2(b	Total number of gas meters in service > 15 years of age.		46,238	95
15	5.2 (4)	Has the utility applied to extend the in			
		service life of meters > 15 years of age in this reporting period?		Yes	Yes
		If yes, provide program and test		See Attachment A -	
		reports.		ActewAGL FY16 Domestic Meter Life Extension	No
				Report	
16	5.2 (4)	Did the utility have a documented process for identifying aged meters			
		and replacement program for those		Yes	Yes
		meter for this reporting period?			
		If yes, provide procedure and program report.		Procedure: Refer to TPC.4.99.7 which has been	
		program report.		previously provided to UTR.	-
				Program report: See	
17	5.2 (4)	Supply the total number of gas meters		Attachments A, B, C & D.	
17	3.2 (4)	exchanged under this program during		3,839	0
		this reporting period.		Description	
18		Has the gas utility been in compliance		Response	
		with the "Gas General Metering Code -		Yes	
		2000 ACT" within this reporting period?		i es	
		If no, please provide an			
		explanatory statement.			

UTR 5 of 13



Section 6: Gas Safety and Operating Plan Code (SAOP)

6.1 Required operational documents

Code ref ltem	Did the utility have compliant ¹ documents or procedures? (Yes/No* ²)	Document Reference Number	How many non- conformance reports were raised against these documents or procedures during the report year?	Were any independent audits of these documents or procedures conducted during the report year? (Yes/No)	If so, did the audits raise any non- conformances or establish any negative conclusions? (Yes*3/No)
1 GS&OPC Procedures for updating 3.2 (1)(a) and accessing network maps.	Yes	Design and construction records and copies of network drawings are maintained by ActewAGL Distribution. External parties can access gas network maps by contacting the Dial Before You Dig call centre on 1100 or the Jemena Service Centre on 131 909 for emergencies.	0	Yes	No
2 GS&OPC Network integrity and 3.2 (2)(a) future network supply capacity planning.	Yes	TPG.DES.020	0	Yes	No
3.2 (1)(b) Network engineering records.	Yes	Records Management Plan PRJ-00150-01	1	Yes	Yes, Refer to the 2016 SAOP report provided to UTR in May 2016 which details non- conformance and the action plan.
3 GS&OPC Emergency managemen 3.2 (3) procedures approved as per required by the Emergency Code ACT, including approval date.	Yes	ActewAGL Distribution Gas Emergency Management Plan 2015/16	0	Yes	No
4 GS&OPC All other procedures 3.1 - 3.3 required under the Safety and Operating Plan in force during the year	Yes	Refer to the Ken Cameron & Associates Periodical Audit report (March 2015) which was provided to UTR in May 2015.	0	Yes	No
5 GS&OPC All other records required 3.1 - 3.3 to be maintained under the Safety and Operating Plan in force during the year		Records Management Plan PRJ-00150-01	0	Yes	No

^{1 &}quot;compliant" here means that on the last day of the report year the document or procedure was up-to-date, fully compliant with the Utilities Act 2000 and Utilities (Technical Regulation) Act 2014 requirements (if

UTR 6 of 13

² li "No", attach explanatory statement indicating when this item was last up-dated and detailing remedial action including actual or proposed resourcing and completion date.

³ If "Yes", attach explanatory statement analysing the predominant causes (examining, in particular, the possibility of any systemic weaknesses) and outlining preventive measures and actual or target implementation dates.



Section 6: Gas Safety and Operating Plan Code (SAOP)

Compliance summary - Safety and Operating Plan

	Ref	Reporting requirement	Response
6	GS&O PC 6.1	Nominated place for keeping a copy of the Safety and Operating Plan:	1. ActewAGL Distribution, Greenway, ACT. 2. Jemena/ZNX, Hume, ACT. 3. Jemena, North Sydney, NSW.
7		Has an awareness training session been conducted during the review year for external agencies (e.g. Police, Fire Brigade, other utilities, etc)? Name the agencies, contacts, training session dates and location, and who supplied the training. Provide all above with this report.	Gas awareness presentations were conducted for NBN contractors. See Attachment F for attendee information.
8		Was the Gas Network Safety and Operating Plan reviewed during the report year?*1	Yes
		Please provide the document revision number and date.	Revision No 16, updated November 2015. See the periodical audit report provided to UTR in May 2016.
9	GS&O PC 6.3	Date for next review.	Sep-16
10	GS&O PC 3.2 (2)(d)	Has maintenance been carried out in accordance with the required maintenance schedule? *2	Yes
11a		Total number of public safety related incidents during the report year:	8
11b		Total number of public safety related incidents during the report year reported to the ESDD Director General:	8
11c		Number of above public safety related incidents EXCLUDING those proven to result from the actions of third parties:* ³	1 (See Attachment G)
11d		Number of above public safety related incidents INCLUDING those proven to result from the actions of third parties: ⁴	7 (See Attachment G)
12		Did the annual audit establish any non-compliance or draw any negative conclusions concerning utility operations?5	No
13		Has the gas utility been in compliance with the "Gas Safety and Operating Plan Code – 2000 ACT" within this reporting period.	Yes
		If no, give explanatory statement.	

¹ If "Yes" attach review documentation.

UTR 7 of 13

² If any work items were NOT carried out within the timeframe or to the extent required by the maintenance schedule, attach a statement listing those items (individually if they are valued at over \$20,000 and in summary form otherwise) and indicating for each item the expected impacts of the incomplete or delayed maintenance work.

For each incident state the following information (for convenience this information may be presented in tabular form):
 The type of incident – fire/ explosion/ leak/ supply disruption/serious injury - (indicate more than one where applicable)

⁴ Third parties means parties other than the utility or its agents or contractors.

⁵ If the immediate report submitted to the Chief Executive for a serious gas accident has all the relevant information requested above, then it would be adequate to either attach copy of that report or provide the location of the incident and the date of the immediate report. If the immediate report did not have all the information, then the above information must be included. Attach an analysis of predominant causes (examining, in particular, the possibility of any systemic weaknesses) and attach copies of action plans showing target implementation dates to rectify any deficiencies.



Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

7.1 Description of the gas network

	Ref	Reporting requirement	Off Take &/or Transfer Stations	Trunk Receiving Stations	Primary Receiving Stations	Secondary Regulator Stations	Water Bath Heaters
14	SAOP 2.2	Number in Service	2	2	3	91	3
15	SAOP 2.2	Location (e.g., Street, Block & Section, Suburb or Parish)	Hoskinstown TRS, Plains Rd, Hoskinstown NSW 2621 Bungendore POTS, Plains Rd, Hoskinstown NSW 2621	Fyshwick TRS, Dairy Flat Rd, Fyshwick 2609 Watson TRS, Federal Highway, Watson 2602	Phillip PRS, Athllon Drive, Phillip 2606 Gungahlin PRS, Gundaroo Drive, Gungahlin 2912 Hume PRS, Monaro Hwy Hume 2620		Hoskinstown TRS, Plains Rd, Hoskinstown NSW 2621 Bungendore POTS, Plains Rd, Hoskinstown NSW 2621 Fyshwick TRS, Dairy Flat Road, Fyshwick 2609
16	SAOP 2.2	Nominated Standard Operational Pressures (Inlet & Outlet Pressures)	Hoskinstown (NSW) (I) 14,900kPa Hoskinstown (NSW) (O) 12,000kPa Bungendore(NSW) (I) 12,000kPa Bungendore (NSW) (O) 250kPa	Fyshwick (I) 12,000kPa Fyshwick (O) 4,000kPa	Watson (I) 6,895kPa Watson (O) 1,050kPa Gungahlin (I) 6,895kPa Gungahlin (O) 1,050kPa Phillip (I) 6,895kPa Phillip (O) 1,050kPa Hume (I) 6,895kPa Hume (O) 1,050kPa	DRS (I) 1,050kPa DRS (O) 210kPa	Hoskinstown (NSW) 14,900kPa Bungendore2(NSW) 12,000kPa Fyshwick 12,000kPa
17	SAOP 2.2	Maximum Operational Pressures recorded during reporting period (Inlet & Outlet Pressures)	Hoskinstown (NSW) (I) 14,180kPa Hoskinstown (NSW) (O) 12,911kPa Bungendore (NSW) (I) 12,846kPa Bungendore (NSW) (O) 253kPa	Fyshwick (I) 13,049kPa Fyshwick (O) 5,914kPa	Watson (O) 1,020kPa Gungahlin (I) 5,913kPa Gungahlin (O) 1,019kPa Phillip (I) 5,904kPa Phillip (O) 1,024kPa Hume (I) 5,906kPa	Outlet pressure would only go above 210kPa if out of calibration	Hoskinstown (NSW) 14,180kPa Bungendore (NSW) 12,846kPa Fyshwick 13,049kPa
18	SAOP 2.2	Minimum Operational Pressures recorded during reporting period (Inlet & Outlet Pressures)	Hoskinstown (NSW) (I) 10,088kPa Hoskinstown (NSW) (O) 7,596kPa Bungendore (NSW) (I) 7,608kPa Bungendore (NSW) (O) 248kPa	Fyshwick (I) 7,514kPa Fyshwick (O) 3,928kPa	` '	Not recorded outlet as at 210kPa. Would only vary from this pressure if out of calibration	Hoskinstown (NSW) 10,088kPa Bungendore (NSW) 7,608kPa Fyshwick 7,514kPa
19	SAOP 2.2	Number planned for construction (2016-2017)	0	0	0	1	0
20	SAOP 2.2	Total network mains (km's) in service	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
21	SAOP 2.2	Total network mains (km's) added this reporting period	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
22	SAOP 2.2	Total No. of Operating valves in network (by Pressure).	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
26a		Total number of Cathodic Protection Points	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
26b	SAOP 2.2	Total number of Cathodic Protection Test Points	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
27	SAOP 2.2	Planned facility upgrade works for next reporting period	1(Hoskinstown CTS)	0	1 (Phillip PRS)	2	0
28	SAOP 2.2	Planned network extension/s (in km's, by mains class) for next reporting period	See Attachment H	See Attachment H	See Attachment H	See Attachment H	See Attachment H
29		Has the gas utility been in compliance was lf no, please provide an explanatory statement.	rith the "Licence to p	rovide gas distributio	on and connection se	rvices under the	Response Yes

UTR 8 of 13

Compliance and performance survey 2014-15

Gas distribution



Contents Instructions

Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

7.2 Safety management system

	Ref	Item	Number of personnel, contractors and subcontractors authorised to work on gas network	Number of personnel, contractors and subcontractors who completed training ¹
30	SAOP 3.5	Gas Safety Training (new employee & refresher)	63	63
31	SAOP 3.7.3	Number of Construction work audits conducted during reporting period.	574	
32	SAOP 3.7.3	Number of Construction work audits conducted during reporting period found not compliant.	60	
33	SAOP 3.7.3	Number of Maintenance work audits conducted during reporting period.	630	
34	SAOP 3.7.3	Number of Maintenance work audits conducted during reporting period found not compliant	23	
			Response	
35	SAOP 3.7.3	Has the utility instigated actions or plans to alleviate or minimise any non-compliant activities on the gas network.	Yes	
		If yes, indicate plans or actions taken.	Gas meter replacement programme and rectification of non-conformance, then a follow up and review process identifying root cause and corrective actions.	

¹ If not 100%, provide explanatory notes.

UTR 9 of 13

Compliance and performance survey 2014-15

Gas distribution



Contents Instructions

Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

7.3 Design and review

	Ref	Reporting requirement	Response
36	SAOP 4.5	Performance Validation report for the reporting period. Give a description of activities undertaken and supply validation	Yes - In 2016, gauging was conducted across the Canberra network. This was done through telemeters (permanent gauges) and Bristol gauges/cellos (temporary winter gauges) in the primary, secondary and medium pressure networks. Gauging findings demonstrated there were no immediate issues in the network. Pressures experienced at terminal sections using gauging were above minimum pressures for each network: >70kPa for medium pressure networks and >525kPa for secondary pressure networks.
37	SAOP 4.5	Capacity report for the reporting period. Give	Yes - Gauging results were also used in forecasting network pressures incorporating customer growth and expansion information provided by developers. North Gungahlin and Molonglo continue to be regions with high rate of expansion and projects have been put in place to maintain efficient supply for growing demands.

UTR 10 of 13



Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

7.4 Operation and monitoring

	Ref	Reporting requirement	Response
38	SAOP	Has the utility undertaken network	
	5.1	surveillance activities during the current	Yes
		reporting period?	
		If yes, were any incidents recorded	No
		(provide detail/s).	110
39	SAOP	Has the utility identified areas of	
	5.1	improvement for conducting Network	
		Surveillance and/or implemented risk	Yes
		reduction measures during this reporting	
		period?	D. I.I. I.M. I.
40	0400		Paddock Markers business case being rolled out over FY15 ,16, 17 and 18
40	SAOP	Has the utility identified or implemented any	
	5.1	new safety measures to reduce the risk	Voo
		profile of the gas network infrastructure or	Yes
		personnel conducting activities on the gas	
-		network during this reporting period?	Cas awareness presentations made to target groups
41	CAOD	If yes, provide details.	Gas awareness presentations made to target groups
41	SAOP 5.2	Did the utility conduct Leakage Surveys on the network during this reporting period?	Yes
	5.2	If yes – supply survey report/s	
		identifying the number, type(priority 0-3),	
			See Attachment I (AAD Gas Leakage Survey)
		meter) and supply the preceding	oce ratasimona (rvas das Esanage Garvey)
		information per suburb.	
42	SAOP	Was any report or investigation generated	
	5.2	into the condition of the Secondary Steel	
		mains gas network (1050kPa) during this	No
		reporting period?	
		If yes – supply report/s.	
43	SAOP	Was any report or investigation generated	
	5.2	into the condition of the Primary Steel mains	Yes.
		gas network (MAOP 6895kPa) during this	165.
		reporting period?	
		If yes – supply report/s.	See following Attachments:
			Attachment J. GTS-4999-RP-CP-001 - Canberra Primary Main Cathodic Protection Operational Report
			Attachment K. GTS-4999-RP-CP-002 - Canberra Primary Main Coating Defect Operational Report Attachment L. Watson CTS to Gungahlin In Line Inspection Report
			Attachment M. Watson CTS to Phillip PRS In line Inspection Report
44	SAOP	Was any report or investigation generated	The state of the s
	5.2	into the condition of the Transmission Steel	V
		mains gas network (MAOP 14900kPa) during	Yes.
		this reporting period?	
		If yes – supply report/s.	A condition report was undertaken during 2015/16 with the report yet to be finalised and approved.
45	SAOP	How many potential testing activities for the	
	5.2	purpose of identifying gas steel pipe coating	One DCVG Survey at Gungahlin extension Unpiggable section as part of Gundaroo drive encroachment
		defects were completed during the reporting	– approximately 1.3 km from Gungahlin PRS.
		period?	
46	SAOP	How many pipe coating integrity excavations	
	5.2	were conducted on the steel mains during	7 Integrity digs based on the above DCVG survey.
		this reporting period?	
		Please provide reports where applicable	Note: The file for this report is extremely large and will be provided to UTR by arrangement.

UTR 11 of 13

Compliance and performance survey 2014-15



Contents Instructions
Section 7: ActewAGL Safety and Operating Plan (SAOP) Code

5 Maintenance and repair

			Comments				
	Ref	Item	Priority 0	Priority 1	Priority 2	Priority 3	
47	SAOP	How many gas leaks were reported by					
	5.4	the general public or third parties on	3	237	1285	3	
		the gas pipeline network?					
48	SAOP	How many gas leaks were repaired as	3	237	1285	3	
	5.4	a result of the above.	3	231	1203	J	
49	SAOP	How many gas leaks were reported on					
	5.4	domestic gas meter sets located	2	98	713	1	
		external of buildings ?					
50	SAOP	How many gas leaks were repaired as	2	98	713	1	
	5.4	a result of the above.	-			·	
51	SAOP	How many gas leaks were reported on					AAD's reporting systems do not
	5.4	domestic gas meter sets located	-	-	-	-	separate gas leaks from meters into
		internal of buildings ?					internal or external categories
52	SAOP	How many gas leaks were repaired as					AAD's reporting systems do not
	5.4	a result of the above.	-	-	-	-	separate gas leaks from meters into
53	SAOP	How many gas leaks were reported on					internal or external categories ALL I/C meter leaks
55	5.4	Commercial / Industrial gas meter sets	0	4	0	0	ALL I/O Meter leaks
	5.4	located internal of buildings?	U	4	U	0	
54	SAOP	How many gas leaks were repaired as					ALL I/C meter leaks
04	5.4	a result of the above.	0	4	0	0	TILL WO MOTOR ISSUED
55	SAOP	How many gas leaks were reported on					AAD's reporting systems do not
00	5.4	Commercial / Industrial gas meter sets	_	-	_	_	separate gas leaks from meters into
		located external of buildings ?					internal or external categories
56	SAOP	How many gas leaks were repaired as					AAD's reporting systems do not
	5.4	a result of the above.	-	-	-	-	separate gas leaks from meters into
			On the last thinks and the second	- Indiana haranian haranian	'-' I I' I I - 1-		internal or external categories
57	SAOP	Of the total gas leaks repaired on the		e, leakage where pipes have been	joined, applicable to plastic syste	ims	
	5.4	gas mains network, identify the general	The threats hom gas leaks are ma	naged through a number of contro			
		causes of these leaks and corrective	Dial Before You Dig (DBYD), stake	eholder management where colleag	gues meet with third parties to reinf	orce the need to use DBYD.	
		measures or plans being implemented	Gas is odourised at a level which i	s detectable (by the sense of smell) well below the lower explosive lev	rel of a gas in air mixture -	
		to ensure gas network integrity and	odourant rates are monitored.				
		public safety.	ActewAGL Distribution through Je	mena's Response Centre takes cal	Is from the general public and resp	onds accordingly	
			Leakage surveys are conducted of	n a five yearly basis (or more frequ	ently if required).		
			Leakage surveys detect and classify gas leaks. Leaks are repaired or monitored depending on their severity.				
58	SAOP	Of the total gas leaks repaired on	The general design, construction a	and installation of meter sets is perf	ormed to prevent gas leaks.		
	5.4	domestic meter sets, identify the	External mater esta include a regu	lator which is designed to vent gas	under appoific conditions. On inve	otigation looks are typically	
		general causes of these leaks and		from the regulator as they are des			
		corrective measures or plans being		nting mechanism within the regulat			
		implemented to ensure gas network	pipes. This allows any venting gas improved quality control via usage	to be exhausted to atmosphere. A	ctions & additional controls include	emergency response and	
		integrity and public safety.	p. ovou quality contitor via usage	o. colocted contractors.			
59	SAOP	Of the total gas leaks repaired on	The general design, construction a	and installation of meter sets is perf	ormed to prevent gas leaks.		
	5.4	Commercial / Industrial gas meter sets,	External meter sets include a regu	lator which is designed to vent gas	under specific conditions. On inve	stigation, leaks are typically	
		identify the general causes of these	venting small amounts of gas from	n the regulator as they are designe	d to do. Depending on the model o	f meter set it may be more efficient	
		leaks and corrective measures or plans		adjust the venting mechanism. Inte			
		being implemented to ensure gas	Actions & additional controls include	de emergency response and impro	ved quality control via usage of sele	ected contractors and an	
		network integrity and public safety.	inspection regime.	3-11-7 1-12-2-11d 111-p10	,,		

UTR 12 of 13



Section 8: ActewAGL Gas Service and Installation Rules Code

8.1 Compliance summary - Gas Service and Installation Rules Code

				Com	ments
Ref	Ref	Item Item	Comments	No. of Domestic Gas	No. of Business Gas
1	SAOP 5.6	Total number of gas meter installations completed this reporting period		2729	81
2	SAOP 5.6	Total number of gas metering installations that failed compliance to Code and Rules requirements		60	0
3	SAOP 5.6	Has the gas utility been in compliance with the "Gas Service and installation Rules Code – 2013 ACT" within this reporting period?		Yes	
		If no, please provide an explanatory statement.			

See Attachment N for Metering Statistics

UTR 13 of 13