Anglian Water					APR 2024				
						Summary Audit			
						Report			
Leakage and PCC				Version: 3					
Tables, lines, and blocks assured:						Originator:	Simon Beal		
3A.3-4						Report	21/05/2024		
3F.4-6						completion date:	01/07/2024		
6B.4-15, 29-39,	58-67					Reviewer:	Graham		
6D.22-25							Hindley		
						Review	22/05/2024		
						date:	03/06/2004		
Key to RAG	No	Non-	material	Minor	Material	Activity not	Not required/not		
assessments	concerns	on su	pporting	concerns	concerns	comptete	Starteu		
	info		mation		D	14/			
	G		P	A	R		N/A		
	est		RAG		C	omments			
Review the comp	oany's and procedur	es for	G	We have focused this feedback on the calculation of					
identifying, analy	ysing and			We review	ed the line	s in Tables 6B and 6D during			
recording data a basis, test the ap	nd, on a sam	ple hose		the audit, with additional checks post-audit and					
methodologies a	and procedur	es.		found no issues.					
				recording data that feeds into the water balance.					
				Much of the data is reviewed weekly with challenge of any values that appear outliers					
Poviow rolovant	alomonts of		P	We note that the company uses occupancy cohorts					
Anglian Water's	approach in t	the	D	when deriving the PHC. We initially coded this as					
context of Ofwat	's investigati r 1 includino	on		'Amber' and asked the company for more evidenc					
approach to trur	nk mains leak	age,		The company confirmed that the impact of this					
service reservoir consumption an	s and unmea d occupancy	sured		adjustment is not material (0.1 Ml/d change to					
rates.				leakage ar consider tl	nd 0.1 l/he nis in not c	ad/day on PCC onsistent with t). However, we he latest		
				interpretat	tion of the	guidance. We t	herefore		
				calculation	has part of	the wider wate	er balance review		
				and use of	smart met	tering data that +	it is currently		
Review the level	of senior		G	On 16 Max	/ 2024 Gra	ham Hindley m	net with Dave		
leadership and B	Board oversig	ht	G	Ward to di	scuss and r	review Anglian'	s arrangements		
and awareness o	of leakage tre	nds, e. and		for respon	sibilities, a nd water ba	ccountabilities, lance reporting	governance of a. The objective		
the impact of the	ese factors or	n the		was to see	k assurance	e that the cultu	re of the		
company's repor			Company	allows tran	sparency of lea	akage activities			



Test	RAG	Comments
		and reporting from "on the ground" through to the Executive Management, CEO and Board of Directors.
		Dave Ward is Anglian's Director of Water Distribution. He has overall responsibility for the IMR Alliance, oversees capital investment on the water distribution system, is responsible for operational management of the distribution system and oversees leakage / network delivery partner contractors Kier and Clancy. Sean McCarthy (Head of Leakage) reports to Dave, in turn Dave reports to Ian Rule (Director of Water Business Stream). Dave is directly accountable for leakage performance to Ian Rule and upwards to Peter Simpson and the Board. Dave is a Chartered Civil Engineer.
		Dave outlined the step change from earlier AMPs (circa 4 and 5) where there were no Performance Commitments and leakage was typically reported at a continuous level. With the introduction of PCs with incentivised targets n AMP6, the glide path to reduce leakage became steep and Anglian recognized that it needed a greater level of interventions in order to achieve the leakage PC. This required a different form of governance involving more of the Anglian business and its supply chain. The Leakage Steering Group was established which includes Executive Directors as members of the group.
		Dave explained Anglian's Cell structure and its Silver and Gold Commands to ensure strong leakage performance and reporting. There are currently up to 9 Cells overseeing, for example, performance and activities or the supply chain, materials/logistics, network repair times. There is an overall co- ordination Cell. The Cells feed in to the Silver Command which meets monthly as a minimum. Silver Command members include Dave Ward, Ian Rule, Subject Matter Experts (e.g. Sean McCarthy) and management Board members, (e.g. Strategy Director). The Silver Command's remit is to assess how the Cells are performing and ensure escalations are implemented, e.g. for weather events as occurred twice in 2022 (extreme heat and a winter freeze thaw). The Cell structure is dynamic and promoted decision making at a collective level. Silver Command is the pre-cursor to the Gold Command where Dave Ward and Ian Rule attend the Management Board to report leakage and network performance.
		We discussed the Water Performance Interventions Group which assesses inputs to the process for leakage performance (e.g. find and fix activities) and is clearly not just focused on outputs. Third party consultants are occasionally engaged to make



Test	RAG	Comments
		recommendations on elements of the water balance, however ownership of the data and leakage clearly sits with Anglian Water.
		In our opinion, Anglain's arrangements for responsibility, accountability of leakage activities and performance are solid with a clear line of sight from the technical and operational activities up through the Company to the Executive Management and Board of Directors/Chairman level. We are satisfied that there is an open and transparent culture within the Company under robust management where leakage performance can be reported through the business. We found that leakage reporting and monitoring for the APR is shared on a weekly basis internally and is used to drive operational activity These are sufficiently agile to respond to changing circumstances and tightening regulatory targets.
High-level review the process for all component of the water balance.	В	The team has robust understanding of the water balance components. We note that in the coming years significant changes will be required to reflect the additional data available from smart meters.
		We recommend that any changes to methodology are fully discussed with Ofwat and subject to external challenge through the assurance process.
 Review in detail the processes for assessing: Distribution Input, including the validation process, Zonal (bottom up) leakage; Measured HH consumption: 	G	The company does not undertake verification of the DI meters, so is technically not compliant with the guidance. However, the company considers the use of alternative upstream and/or downstream meters is a significantly more robust approach. We concur with this view which is also supported by the Environment Agency for the company's abstraction meters.
 Other processes identified on the day of the audit on the basis of being higher risk. 		We also reviewed the other components of the water balance and found no issues.
Conduct a sample check of all components of the water balance back to source	G	We reviewed a sample of the sources during the audit and also reviewed the water balance calculation spreadsheet and supporting information post-audit.
Refer to the PRC file in the 'Jacobs' folder in 'Jacobs Shared Folder' on AW's Sharepoint (link below) to confirm whether there is a Process Risk Control (PRC) document for that group.	W	
Anglian Economic Regulation Team - Jacobs Shared Folder - All Documents		

Test	RAG	Comments
If there is a PRC document, the auditor is asked to review the identified risks and provide their opinion on whether or not the list is exhaustive and accurate. If there is no Process Risk & Control (PRC) document, the auditor is asked to focus on the suitability of the process for producing consistent data.		
If there is one, provide an opinion on the way that risk is described within the PRC document.	W	
Alert the company to any material areas of concern or weakness observed.	G	Further details in the "Observations and Actions" section below.
Review progress against issues raised in the last audit.	G	At the AR23 audit we recommended that unbilled consumption, SPL and DSOU components should be reviewed as they were several years old. The team explained some components have been refreshed but others will be included in a wider water balance review to make use of smart metering data.
Review whether the APR procedures and any associated local procedures / work instructions are current, accurate and appropriate.	W	
Seek understanding of the upstream processes which generate data and the controls in place for ensuring the reliability of those data. Test where possible.	G	Robust processes to provide and challenge data.
For PCs only: Ensure that commentary contains either a statement that all components of the RAG checklist are green for each PC or that a copy of the RAG compliance checklist for each PC along with assessments of the materiality of the impact of any non-compliant components on reported performance. This should comply with the guidance in the "Common performance measures" section of RAG 3.14, paragraph 4.40.	G	 Values at audit (screenshots below): Leakage 182.1 Ml/day PCC= 127.6 l/head/day We have reviewed the company's consistency RAG status, which is fully compliant with the exception of the 'Water Balance and MLE' which is coded red due to the reconciliation error being 3.18% of distribution input. The company continues to investigate options to improve the water balance reconciliation error and is proposing to undertake a major review of the methodology and assumptions over the next two years. As the error remains below the 5% limit specified for Maximum Likelihood Estimation we do not consider the gap materially impacts on leakage reporting for 2023-24. We have not seen the commentary – the focus of this audit was on the compliance of the methodology with the guidance. We found that the values in Table 6B are consistent with the water balance and Table 6D has been



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RAG

Comments

completed using an approach consistent with the guidance and is unchanged from previous years.

	guidance and is unchanged from previous years.
Obser	vations & Actions
RAG	Comments
В	The company uses a fixed allowance for trunk mains and service reservoir losses which has not been updated since 2005. The current estimate is a small (7.1 Ml/d) of total leakage as the majority of the trunk mains are downstream of the meters used for leakage reporting. During the audit we were provided with evidence that (i) the number of trunk mains bursts have been relatively stable since 2005 and (ii) repair times have reduced. We therefore consider that it is likely that trunk mains leakage will have been relatively stable. If the BABE estimate is an over/under-estimate then this will be consistent in all years, including those used for the baseline.
	However, as the trunk mains network is being extended we recommend that losses are derived from flow balances for the new trunk mains as they are added to the network.
В	The company has identified a number of dwellings of multiple occupancy, so has therefore revised the population estimate, adding ca.50,000 (1% of the total estimate). We consider the company has used a robust approach, but we have asked for additional details of the likely timeline of when these properties have been built.
G	We note the company is planning to restate the AR22 values as an error was identified in calculation of non HH demand when moving from a manual to an automated system. The company has provided updated values, but we have requested a copy of the water balance spreadsheet for 2022-23.
	Update: this was provided and confirms the revised in-year leakage and PCC values stated during the audit.
G	In our opinion, Anglian's arrangements for responsibility, accountability of leakage activities and performance are solid with a clear line of sight from the technical and operational activities up through the Company to the Executive Management and Board of Directors/Chairman level. We are satisfied that there is an open and transparent culture within the Company under robust management where leakage performance can be reported through the business. We found that leakage reporting and monitoring for the APR is shared on a weekly basis internally and is used to drive operational activity These are sufficiently agile to respond to changing circumstances and tightening regulatory targets.
Recon	nmendations (Longer Term Improvements)
The tea meteri As part the wa approa	am explained they are in discussions with Ofwat regarding how the vast amount of smart ng data could impact the water balance calculation, with the aim of being an 'industry leader'. t this wholescale review the team will review the most appropriate way to all components of ter balance (including PHC) and hope to start shadow reporting for 2024-25. We support this ach.

Documentation reviewed (attach copies or screenshot)

5] 📓 2024.04.29 ANH Leakage_Yrs3_OfwatLetter .pdf
	Bursts_Trunk_Mains_Amended.xlsx
	Daily DI Graphs including Hartlepool.xlsb
	DI Master Spreadsheet 23-24 with Hartlepool.xlsb
	Document summary.xlsx
	Domestic smart and dumb combined.xlsx
	MNCHCalc2324.xlsb
	NHH Examples.pptx
	📧 Table 3F Draft File.xlsx
	Table 6B Draft File.xlsx
	Table 6D Draft File.xlsx
	Water balance 23-24.xlsx
	Additional information provided 27 th May 2024
	3a commentary 24th may.pdf
	3f commentary 24th may.pdf
	6b commentary 24th May.pdf
	8 6d commentary 24th may - exc finance line.pdf
	AR24 consistency RAG Audit - year end audit.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx Table 6B Draft File.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx Table 6B Draft File.xlsx Trunk mains.docx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx Table 6B Draft File.xlsx Trunk mains.docx Water balance 22-23 restated.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx Table 6B Draft File.xlsx Trunk mains.docx Water balance 22-23 restated.xlsx Water balance 23-24.xlsx
	 AR24 consistency RAG Audit - year end audit.xlsx Bulk supply list 20-05-24 - install date.xlsx Bursts_Trunk_Mains_Amended.xlsx CommercialConsumptionSummary_2223.xlsx DI Estimation %.xlsm Document summary.xlsx Res Prop count with Bulk.xlsx Table 6B Draft File.xlsx Trunk mains.docx Water balance 22-23 restated.xlsx Water balance 23-24.xlsx

6b commentary with financial line updated.pdf						
Copy of BaseData P12 WK52 23-24 FINAL 9th apr extract.xlsx						
IMR_LEAKAGE workings 23-24.xlsx						
Leakage costs v2.xlsx						
Displays 23-24.xlsm						
Table 6D Draft File - finance line updated.xlsx						
Version Control Notes						
V3 Final						
Audit Identification						
Date of audit	15 th May 2024					
	16 th May 2024 (Dave Ward, Arun Pontin & Graham Hindley)					
Auditees	15 th May 2024:					
	Sean McCarthy, David Jacobs, Caroline Jefferies, Geoff Huntingdon, James Pounder, Arun Pontin, Philip Stephens (properties/population)					
Follow-up audit	22 nd May 2024 – review of the use of occupancy in PHC					
Auditees	Sean McCarthy, David Jacobs, Arun Pontin					

Table 3F.4-6 (as audited)

Pro forma 3F														
Underlying calculations	for common	performance co	mmitments - wa	ater and retail								Ang	lian	Water
			3	4										
Line description	Unit	Standardising data indicator	Standardising data numerical value	Performance level - Actual (current reporting year)	Performance level - Calculated (i.e. standardised)								r	RAG 4 eference
Performance commitments set in standardised units - Water														
Mains repairs - Reactive	Mains repairs per 1000 km	Mains length in km	39,397.00	3,444	87.42		61.000							3F.1
Mains repairs - Proactive	Mains repairs per 1000 km	Mains length in km	39,397.00	1,400	35.54		32.000							3F.2
Mains repairs	Mains repairs per 1000 km	Mains length in km	39,397.00	4,844	122.95									3F.3
Per capita consumption (PCC)	lpd	Total household population (000s) and household consumption (MI/d)	4,986	636	127.60									3F.4
			8											
Line description	Unit	Performance level - actual (2017-18)	Performance level - actual (2018-19)	Performance level - actual (2019-20)	Baseline (average from 2017- 18 to 2019-20)	Performance level - actual (2020-21)	Performance level - actual (2021-22)	Performance level - actual (2022-23)	Performance level - actual (2023-24)	Performance level - actual (2024-25)	Performance level 3 year average (current and previous 2 years)	Calculated performance level to compare against PCLs		
Performance commitments														
measured against a calculated baseline														
Leakage	MI/d	191.3	199.9	191.0	194.1	182.4	173.4	190.5	182.1		182.0	6.2		3F.5
Per capita consumption (PCC)	lpd	134.8	134.1	133.3	134.1	146.9	136.0	132.3	127.6		132.0	1.6		3F.6

Table 6B.4-15 (as audited)

Assets and operations				
Water delivered (non-potable)	Ml/d	2	50.22	6B.4
Water delivered (potable)	Ml/d	2	1000.41	6B.5
Water delivered (billed measured residential properties)	Ml/d	2	531.36	6B.6
Water delivered (billed measured businesses)	Ml/d	2	305.12	6B.7
Proportion of distribution input derived from impounding reservoirs	Propn 0 to 1	3	0.020	6B.8
Proportion of distribution input derived from pumped storage reservoirs	Propn 0 to 1	3	0.411	6B.9
Proportion of distribution input derived from river abstractions	Propn 0 to 1	3	0.072	6B.10
Proportion of distribution input derived from groundwater works, excluding managed aquifer recharge	Propp 0 to 1	3	0.498	6B.11
(MAR) water supply schemes	1.001.0.001			
Proportion of distribution input derived from artificial recharge (AR) water supply schemes	Propn 0 to 1	3	0.000	6B.12
Proportion of distribution input derived from aquifer storage and recovery (ASR) water supply schemes	Propn 0 to 1	3	0.000	6B.13
Proportion of distribution input derived from saline abstractions	Propn 0 to 1	3	0.000	6B.14
Proportion of distribution input derived from water reuse schemes	Propn 0 to 1	3	0.000	6B.15

Table 6B.29-39 (as audited)

Peak 7 day rolling average distribution input MI/r	2	2	1376.85	6B.	29
Peak 7 day rolling average distribution input / annual average distribution input %	1	2	118.43%	6B.	30

Water balance - company level				
Measured household consumption (excluding supply pipe leakage)	Ml/d	2	508.18	6B.31
Unmeasured household consumption (excluding supply pipe leakage)	Ml/d	2	127.79	6B.32
Measured non-household consumption (excluding supply pipe leakage)	Ml/d	2	304.11	6B.33
Unmeasured non-household consumption (excluding supply pipe leakage)	Ml/d	2	1.92	6B.34
Total annual leakage	Ml/d	2	182.07	6B.35
Distribution system operational use	Ml/d	2	8.34	6B.36
Water taken unbilled	Ml/d	2	19.34	6B.37
Distribution input	Ml/d	2	1151.76	6B.38
Distribution input (pre-MLE)	Ml/d	2	1162.55	6B.39

Table 6B.58-67 (as audited)

Components of total leakage (post MLE) - company level				
Leakage upstream of DMA	Ml/day	2	7.46	6B.58
87 Distribution main losses	Ml/day	2	135.55	6B.59
Customer supply pipe losses – measured households excluding void properties	Ml/day	2	23.18	6B.60
Customer supply pipe losses – unmeasured households excluding void properties	Ml/day	2	11.98	6B.61
Customer supply pipe losses - measured non-households excluding void properties	Ml/day	2	1.01	6B.62
Customer supply pipe losses – unmeasured non-households excluding void properties	Ml/day	2	0.06	6B.63
Customer supply pipe losses – void measured households	Ml/day	2	1.60	6B.64
Customer supply pipe losses – void unmeasured households	Ml/day	2	0.28	6B.65
Customer supply pipe losses - void measured non-households	Ml/day	2	0.92	6B.66
Customer supply pipe losses - void unmeasured non-households	Ml/day	2	0.04	6B.67

Table 6D.22-25 (as audited)

Leakage activities	Units	DPs	Maintaining leakage	Reducing leakage	Total	
Total leakage activity	£m	3	80.029	26.059	106.088	6D.22
Leakage improvements delivering benefits in 2020-25	Ml/d	2			8.40	6D.23
Per capita consumption (excluding supply pipe leakage)						
Per capita consumption (measured)	l/h/d	2	120.63			6D.24
Per capita consumption (unmeasured)	l/h/d	2	165.39			6D.25

Water Balance spreadsheet (extracts align with the reporting tables)

Table 10 Li				
Distribution	Losses	5		
136.824				
141.58	6			
Component			MI/d	
Company System		1	29.687	130.106
Trunk Mains			7.137	7.137
Unmeasured SP Leakage	- D	:	11.377	11.961
Unmeasured SP Leakage	- ND		0.057	0.056
Measured SP Leakage - D)		14.843	14.248
Measured SP Leakage - N	D		0.961	0.958
Measured SP Leakage - I	NT		7.544	9.063
Measured void SP Leakag	je		2.395	2.465
Unmeasured void SP Lea	kage		0.301	0.294
Total Leakage	17		74.303	176.29
Total leakage after MLE		1	82.072	190.464
4935.47446 population 4				985.51
635.970374387 post	: mle	v	635.970	374387
128.86 pcc	1 [°]		7 56	
120.00 pcc			14	27.50
	MDO	N	UDOM	Total
Pre MLE vol	499.	38	124.88	624.25
Post MLE vol	508.18		127.79	635.97
Occupancy	2.2788		2.7321	2.3389
Raw Properties	1,829,489		282,79	9
Dwelling corrected properties	s 19265		0	
Corrected total properties	1,848,754		000 700	2 121 552
concours istar properties	1,848,	,754	282,799	2,131,333
Population	1,848, 4,212,	,754 ,884	282,799 772,628	4,985,511
Population Pre MLE PCC	1,848, 4,212, 118.	,754 ,884 54	282,799 772,628 161.62	4,985,511

124.00

270.12 274.88

176.48

441.57 451.86

132.31

298.36

Post MLE PCC prior year

PHC pre MLE PHC post MLE

Assets and operations]				
Water delivered (non-potable)	MI/d	2	50.22		6B.4
Water delivered (potable)	MI/d	2	1000.41		6B.5
Water delivered (billed measured residential properties)	MI/d	2	531.36		6B.6
Water delivered (billed measured businesses)	MI/d	2	305.12		6B.7
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Proportion of distribution input derived from pumped storage reservoirs	Propn 0 to 1	3			6B.9
Proportion of distribution input derived from river abstractions	Propn 0 to 1	3		6	B.10
Proportion of distribution input derived from groundwater works, excluding managed aquifer recharge (MAR) water supply schemes	Propn 0 to 1	3		6	6B.11
Proportion of distribution input derived from artificial recharge (AR) water supply schemes	Propn 0 to 1	3	0.000	6	6B.12
Proportion of distribution input derived from aquifer storage and recovery (ASR) water supply schemes	Propn 0 to 1	3	0.000	6	6B.13
Proportion of distribution input derived from saline abstractions	Propn 0 to 1	3	0.000	6	B.14
Proportion of distribution input derived from water reuse schemes	Propn 0 to 1	3	0.000	6	B.15
Peak 7 day rolling average distribution input	MI/d	2	1376.85	6	B.29
Peak 7 day rolling average distribution input / annual average distribution input	%	2	118.43%	6	5B.30
Water balance - company level					
Measured household consumption (excluding supply pipe leakage)	MI/d	2	508.18	6	B.31
Unmeasured household consumption (excluding supply pipe leakage)	MI/d	2	127.79	6	B.32
Measured non-household consumption (excluding supply pipe leakage)	MI/d	2	304.11	6	5B.33
Unmeasured non-household consumption (excluding supply pipe leakage)	MI/d	2	1.92	6	5B.34
Total annual leakage	MI/d	2	182.07	6	6B.35
Distribution system operational use	MI/d	2	8.34	6	B.36
Water taken unbilled	MI/d	2	19.34	6	B.37
Distribution input	MI/d	2	1151.76	6	B.38
Distribution input (pre-MLE)	MI/d	2	1162,5497466	6	5B.39

Components of total leakage (post MLE) - company level				
Leakage upstream of DMA	Ml/day	2	7.46	6B.58
87 Distribution main losses	Ml/day	2	135.55	6B.59
Customer supply pipe losses – measured households excluding void properties	Ml/day	2	23.2	6B.60
Customer supply pipe losses – unmeasured households excluding void properties	Ml/day	2	11.98	6B.61
Customer supply pipe losses – measured non-households excluding void properties	Ml/day	2	1.01	6B.62
Customer supply pipe losses – unmeasured non-households excluding void properties	Ml/day	2	0.06	6B.63
Customer supply pipe losses – void measured households	Ml/day	2	1.60	6B.64
Customer supply pipe losses – void unmeasured households	Ml/day	2	0.28	6B.65
Customer supply pipe losses - void measured non-households	Ml/day	2	0.92	6B.66
Customer supply pipe losses – void unmeasured non-households	Ml/day	2	0.04	6B.67

Restatement of 2022-23

		2022-23			
Measure	Units	Previously reported	Restated		
Leakage	MI/d	182.6	190.5		
PCC	l/person/d	131.3	132.3		
Non-Household demand	MI/d	324.2	305.8		
Distribution Input	MI/d	1178.1	1173.4		
Imbalance	MI/d	30.5	46.2		
Imbalance %	%	2.6%	3.9%		
Imbalance %	%	2.6%	3.9%		

3 yr. leakage PCL	MI/d	177.6	177.6
3 yr. leakage	MI/d	179.5	182.1
Penalty - leakage	£m	1.3	3.2

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