



Wales & West Utilities Ltd LDZ Shrinkage and Leakage Report
FOR FORMULA YEAR 2014/15
1st April 2014 – 31st March 2015 as required under Licence
Special Condition 1F.14

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Wales & West Utilities Ltd LDZ Shrinkage and Leakage Report for the 2014/15 formula year

1 Executive Summary

This is a report, as required under Licence 1F.14 setting out the actual leakage volume ($LV_{t,i}$) and actual shrinkage volume (ASV_t) as calculated in accordance with the Shrinkage and Leakage Model for each Local Distribution Zone (LDZ) within Wales & West Utilities.

Wales & West Utilities has not obtained any new information regarding leakage rates as we have not carried out any further leakage tests.

The Shrinkage and Leakage Model used is version 1.4 as Approved by Ofgem on 16th September 2014.

2 Actual Shrinkage and Leakage Volumes:

Table 1: Leakage and Shrinkage per LDZ (GWh)

LDZ	Actual Total Leakage (GWh)	Actual Total Shrinkage (GWh)
WALES NORTH	47.09	49.00
WALES SOUTH	109.21	117.06
SOUTH WEST	219.73	228.71
Network Total	376.03	394.77

Table 2: Low Pressure Leakage:

LDZ	Low Pressure				
	Metallic Mains Length (km)	ASP (mbar)	MEG Saturation	No. Customers	Leakage (GWh)
WALES NORTH	775	32.18	-	245,480	22.93
WALES SOUTH	2,318	32.52	-	813,006	76.89
SOUTH WEST	5,272	30.20	-	1,402,939	169.25
Network Total	8,365	31.13	0.00%	2,461,425	269.07

Table 3: Medium Pressure Leakage:

Medium Pressure		
	Metallic Mains Length (m)	Leakage (GWh)
WALES NORTH	84,846	3.48
WALES SOUTH	277,512	9.91
SOUTH WEST	815,069	19.90
Network Total	1,177,427	33.29

Table 4: Above Ground Installation and Interference:

	AGI				Interference	
	No. Sites	Leakage (GWh)	Venting (GWh)	AGI Total (GWh)	No. of Incidents	Leakage (GWh)
WALES NORTH	439	9	11	20.6	202	0.12
WALES SOUTH	1,058	12	10	22.3	196	0.15
SOUTH WEST	15,844	20	10	30.0	878	0.54
Network Total	17,341	42	31	72.9	1,276	0.81

Table 5: Theft of Gas:

LDZ	Theft of Gas (GWh)
WALES NORTH	1.22
WALES SOUTH	5.02
SOUTH WEST	5.73
Network Total	11.97

Table 6: Own Use Gas:

LDZ	Own Use Gas (GWh)
WALES NORTH	0.69
WALES SOUTH	2.84
SOUTH WEST	3.24
Network Total	6.77