

Consistency of Reporting

Leakage

Water Forum

- Project initiated by Water UK with support from the companies, Ofwat, the Environment Agency and CCWater
- Three key measures
 - Sewer Flooding
 - Interruptions to Supply
 - Leakage
- Initial work in 2015/16 not in public domain

- Leakage reporting methodologies of all companies independently documented by Dennis Dellow
- First draft of “Best Practice” defined from results
- Atkins engaged by Water UK to review outputs from each area and combine into a single document
- Draft report issued on 31st March 2017 (pre-publication) - Final Report issued on 11th July 2017 within PR19 documentation

- Leakage should be reported in a robust, consistent and comparable basis
- Should be used for public reporting from the start of the new regulatory period (2020/21)
- Guidance to inform the development of Business Plan and Water Resources Management Plan
- Shadow (indicative) reporting from 2016/17

- 2016/17 outputs re-run against new rules (where possible) and submitted to OFWAT in August 2017
- Independent horizontal audit of methodologies and pathway to compliance carried out by KPMG and Jacobs in January 2018
- Output of audit resulting in review of guidance including suggested modifications

- Sixteen individual components
- Companies required to complete checklist and submit with annual leakage value
- Compliance is recorded as R/A/G
- Reasons for any non-compliance recorded

COMPLIANCE CHECKLIST

	Component	Compliant (R/A/G)	Reason for any non-compliant components
1	Coverage		
2	Availability		
3	Properties		
4	Night flow period and analysis		
5	Household night use		
6	Non-household night use		
7	Hour to day conversion		
8	Annual distribution leakage		
9	Trunk main leakage		
10	Service reservoir losses		
11	Distribution leakage		
12	Water delivered measured		
13	Water delivered unmeasured		
14	Company own water use		
15	Other water use		
16	Water balance and MLE		

COMPLIANCE CHECKLIST SUMMARY

Compliance Checklists						
	NWL North	2016/17		NWL South (ESW)	2016/17	
		Compliant R/A/G			Compliant R/A/G	
	Component	Overall Assessment		Component	Overall Assessment	
1	Coverage	A		1	Coverage	A
2	Availability	G		2	Availability	G
3	Properties	G		3	Properties	G
4	Night flow period and analysis	A		4	Night flow period and analysis	A
5	Household night use	A		5	Household night use	R
6	Non-household night use	R		6	Non-household night use	A
7	Hour to day conversion	R		7	Hour to day conversion	G
8	Annual distribution leakage	G		8	Annual distribution leakage	G
9	Trunk main leakage	A		9	Trunk main leakage	G
10	Service reservoir losses	G		10	Service reservoir losses	G
11	Distribution input	A		11	Distribution input	A
12	Water delivered measured	G		12	Water delivered measured	G
13	Water delivered unmeasured	A		13	Water delivered unmeasured	G
14	Company own water use	R		14	Company own water use	G
15	Other water use	G		15	Other water use	G
16	Water balance and MLE	G		16	Water balance and MLE	G

- Changes in Calculation Method
- Improvements in Data Quality

Calculation changes can generally be completed easily and quickly with no expense (Netbase)

Data Quality changes require significant investment in time and money – can't be used for re-running values.

- 13 individual projects identified
- Estimated total cost £5.5 – 6.0M – funding secured
- All projects to be complete by January 2020
- 2nd Netbase database constructed for shadow reporting and to enable results of studies to be integrated

- 95% of properties within monitored areas (currently 91% NWL / 92% ESW)
- Processes to deal with Seasonal Variations in demand
- Company specific values for Plumbing Loss estimates
- Logging of all Large Metered Customers (over 24 – 48 m³/day)
- Logging of Sewage Treatment Works (over 10 m³/day)

THANK YOU

The background features a gradient of blue and green colors. A white horizontal line is positioned near the top. The lower portion of the image is dominated by large, overlapping, curved shapes in various shades of blue and green, creating a dynamic, abstract composition.