

SECTION A: BASE INFORMATION
Table A1: Connected and billed properties

Line Ref.	Description	Ofwat Reference JR 07	WICS Reference AR 06	Units	Field Type	Report Year 2018-19		Report Year +1 Forecast 2019-20	
							CG		CG
Billed Properties - Water									
A1.1	Unmeasured household billed properties - potable water (including exempt and vacant)	T7, L11	A1.1 + A1.10a	Nr	I	2481891	A2	2501029	A3
A1.2	Measured household billed properties - potable water	T7, L12 + L13	A1.12	Nr	I	399	A2	377	A3
A1.3	Unmeasured non-household billed properties - potable water (including exempt and vacant)	T7, L16	A1.66	Nr	I	24598	B3	24598	B3
A1.4	Measured non-household billed properties - potable water	T7, L17	A1.22	Nr	I	127853	B3	127853	B3
A1.5	Total number of billed properties - potable water	T7, L14 + L18	-	Nr	C	2634741	B3	2653857	B3
Connected Properties - Water									
A1.6	Unmeasured household connected properties	-	A1.1 + A1.10a + A1.11	Nr	I	2537704	A2	2556842	A3
A1.7	Measured household connected properties	-	A1.12 + A1.13	Nr	I	399	A2	377	A3
A1.8	Unmeasured non-household connected properties	-	A1.66 + A1.67	Nr	I	24598	B3	24598	B3
A1.9	Measured non-household connected properties	-	A1.22	Nr	I	127853	B3	127853	B3
A1.10	Total number of connected properties	-	A1.69	Nr	C	2690554	B3	2709670	B3
Billed Properties - Foul Sewerage									
A1.11	Unmeasured household billed properties (including exempt and vacant)	T13, L1	A3.1 + A3.12b	Nr	I	2382783	A2	2401136	A3
A1.12	Measured household billed properties	T13, L2	A3.14	Nr	I	99	A2	92	A3
A1.13	Unmeasured non-household billed properties (including exempt and vacant)	T13, L4	A3.73	Nr	I	21645	B3	21645	B3
A1.14	Measured non-household billed properties	T13, L5	A3.26	Nr	I	103545	B3	103545	B3
A1.15	Total number of billed properties	T13, L3 + L7	-	Nr	C	2508072	B3	2526418	B3
Connected Properties - Foul Sewerage									
A1.16	Unmeasured household connected properties	-	A3.1 + A3.12b + A3.13	Nr	I	2436568	A2	2454922	A3
A1.17	Measured household connected properties	-	A3.26 + A3.30	Nr	I	99	A2	92	A3
A1.18	Unmeasured non-household connected properties	-	A3.73 + A3.76	Nr	I	21645	B3	21645	B3
A1.19	Measured non-household connected properties	-	A3.14 + A3.17	Nr	I	103545	B3	103545	B3
A1.20	Total number of connected properties	-	-	Nr	C	2561857	B3	2580204	B3
Billed Properties - Surface Drainage									
A1.21	Unmeasured household billed properties (including exempt) not billed for property drainage	-	A3.12a	Nr	I	0	A2	0	A3
A1.22	Measured household billed properties not billed for property drainage	-	A3.16	Nr	I	17	A2	16	A3
A1.23	Unmeasured non-household billed properties not billed for property drainage	-	A3.75a	Nr	I	3019	B3	3019	B3
A1.24	Measured non-household billed properties not billed for property drainage	-	A3.29a	Nr	I	2197	B3	2197	B3
A1.25	Household properties billed for surface drainage only	-	A3.11 + A3.15	Nr	I	0	A2	0	A3
A1.26	Non-household properties billed for surface drainage only	-	A3.28 + A3.74	Nr	I	42891	B3	42891	B3
A1.27	Total number of billed properties	-	-	Nr	C	2599515	B3	2617863	B3
Connected Properties - Surface Drainage									
A1.28	Unmeasured household connected properties	-	-	Nr	I	2436568	A2	2454922	A2
A1.29	Measured household connected properties	-	-	Nr	I	545	A2	588	A2
A1.30	Unmeasured non-household connected properties	-	-	Nr	I	67602	B3	67602	B3
A1.31	Measured non-household connected properties	-	-	Nr	I	96935	B3	96935	B3
A1.32	Total number of connected properties	-	-	Nr	C	2601650	B3	2620046	B3
Trade Effluent									
A1.33	Billed Properties	-	-	Nr	I	1321	A2	1312	A3
A1.34	Connected Properties	-	-	Nr	I	3399	A2	3444	A3
A1.35	Trade effluent load receiving secondary treatment (BOD/yr)	-	-	tonnes	I	16414	B2	15618	B4
A1.36	Trade effluent load receiving secondary treatment (COD/yr)	-	-	tonnes	I	34856	B2	33516	B4
Vacant Charging and Disconnections									
A1.37	Non-household permanent disconnections	-	-	Nr	I	179	B3	379	B3
A1.38	Non-household water properties de-registered from the market	-	-	Nr	I	4178	B3	2826	B3
A1.39	Non-household wastewater properties de-registered from the market	-	-	Nr	I	4929	B3	2911	B3
A1.40	Non-household drainage only properties de-registered from the market	-	-	Nr	I	1972	B3	1044	B3
A1.41	Non-household water properties under successful temporary transfer to Scottish Water	-	-	Nr	I	4	B3	500	B3
A1.42	Non-household wastewater properties under successful temporary transfer to Scottish Water	-	-	Nr	I	4	B3	500	B3
A1.43	Non-household drainage only properties under successful temporary transfer to Scottish Water	-	-	Nr	I	0	B3	0	B3
A1.44	Non-household water properties pending temporary transfer to Scottish Water	-	-	Nr	I	0	B3	0	B3
A1.45	Non-household wastewater properties pending temporary transfer to Scottish Water	-	-	Nr	I	0	B3	0	B3
A1.46	Non-household drainage only properties pending temporary transfer to Scottish Water	-	-	Nr	I	0	B3	0	B3
A1.47	Discontinuation of Trade Effluent services	-	-	Nr	I	0	A1	0	A1

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SECTION A: BASE INFORMATION
Table A2: Population, volumes and loads (Water)

Line Ref.	Description	Ofwat Reference JR 08	WICS Reference AR 07	Units	Field Type	Report Year 2018-19		Report Year +1 2019-20	
						CG		CG	
Summary - Population - Water									
A2.1	Winter	-	A1.71	000	I	5376.72	B2	5397.39	B3
A2.2	Summer	-	A1.72	000	I	5548.54	A2	5569.21	A3
Household - Population - Water									
A2.3	Population of unmeasured household properties	T7, L31	A1.73	000	I	5195.66	A2	5216.40	A3
A2.4	Population of measured household properties	T7, L32	A1.74	000	I	0.86	A2	0.81	A3
A2.5	Household population connected to the water service	-	A1.75	000	C	5196.52	A2	5217.21	A3
Water Balance									
A2.6	Net Distribution input treated water (water put into supply)	T10, L30	-	MI/d	I	1806.16	B2	1803.70	B3
A2.7	Unmeasured household volume of water delivered (including losses)	T10, L4	A2.1	MI/d	I	986.11	B2	988.65	B3
A2.8	Measured household volume of water delivered (including losses)	T10, L1	A2.5	MI/d	I	0.32	B2	0.32	B3
A2.9	Unmeasured non-household volume of water delivered (including losses)	T10, L5	sum(A2.22:A2.25)	MI/d	I	15.75	C5	15.75	C5
A2.10	Measured non-household volume of water delivered (including losses)	T10, L2	sum(A2.9:A2.16)	MI/d	I	386.76	B3	386.76	B3
A2.11	Water taken unbilled - legally	T10, L21	A2.34	MI/d	I	62.18	C4	62.18	C4
A2.12	Water taken unbilled - illegally	T10, L22	A2.35	MI/d	I	1.91	C4	1.91	C4
A2.13	Water taken unbilled - Distribution System Operational Use (DSOU)	T10, L20	A2.33	MI/d	I	5.75	C3	5.75	C4
A2.14	Net Consumption (including supply pipe losses)	-	-	MI/d	C	1458.77	B3	1461.31	B3
A2.15	Distribution losses (including trunk mains and reservoirs)	-	-	MI/d	C	347.39	B3	342.39	B3
A2.16	Customer supply pipe losses	-	-	MI/d	I	124.18	C3	124.18	C4
A2.17	Overall water balance	T10, L34	-	-	I		B3		B3
Leakage									
A2.18	Total Leakage (pre-MLE Adjustment)	-	-	MI/d	I	481.89	B3	476.89	B3
A2.19	Water Balance Closing Error	-	-	%	C	-0.57	B3	-0.57	B3
A2.20	MLE Adjustment	-	-	MI/d	I	-1.88	B3	-1.88	B3
A2.21	Total Leakage (post-MLE Adjustment)	-	-	MI/d	C	480.01	B3	475.01	B3
Water delivered - non-potable									
A2.22	Volume of non-potable water delivered	T10, L25	A2.17	MI/d	I	15.262	C4	15.262	C4
Water delivered - components									
A2.23	Per Household consumption (unmeas'd h'hold - excl s/pipe leakage) PHC	T10, L12	A2.4	l/household/day	I	348.73	B2	348.73	B3
A2.24	Per Household consumption (meas'd h'hold - excl s/pipe leakage) PHC	T10, L13	A2.8	l/household/day	I	793.06	B3	793.06	B3
A2.25	Meter under-registration (measured households) (included in water delivered)	T10, L18	A2.7	MI/d	I	0.013	C3	0.013	C4
A2.26	Meter under-registration (measured non-households) (included in water delivered)	T10, L19	A2.21	MI/d	I	17.226	C3	17.226	C4

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SECTION A: BASE INFORMATION
Table A3: Population, volumes and loads (Waste water)

Re-issued following Query Process - Updated 19July19

Line Ref.	Description	Ofwat Reference JR 08	WICS Reference AR 07	Units	Field Type	Report Year 2018-19		Report Year +1 2019-20	
						CG	CG		
Summary - Population - Waste water									
A3.1	Winter	-	A3.81	000	I	5152.536	A2	5172.338	A3
A3.2	Summer	-	A3.82	000	I	5240.506	B2	5260.311	B3
A3.3	Household Population connected to the wastewater service	-	A3.83	000	I	4990.247	A2	5010.100	A3
Sewage - Volumes									
A3.4	Unmeasured household volume (including exempt)	T14, L1	A4.1	Ml/d	I	767.88	B3	729.26	B3
A3.5	Measured household volume	-	-	Ml/d	I	0.080	A2	0.067	B3
A3.6	Unmeasured non-household volume (including exempt)	L14, L2	sum(A4.2-A4.5)	Ml/d	I	12.776	B3	12.961	B3
A3.7	Measured non-household foul volume	-	sum(A4.8-A4.15)	Ml/d	I	150.075	B3	150.653	B3
A3.8	Trade effluent volume	L14, L5	A4.16	Ml/d	I	64.860	B2	64.327	B4
A3.9	Total volume	L14, L3 + L4	A4.18	Ml/d	C	995.667	B3	997.265	B4
A3.10	Volume septic tank waste	T14, L8	A4.19	Ml	I	30.046	A3	34.394	B3
Sewage - Load (BOD/yr)									
A3.11	Unmeasured household load (including exempt)	-	-	tonnes	I	109281.723	B3	110069.815	B4
A3.12	Measured household load	-	-	tonnes	I	9.323	B4	9.558	B4
A3.13	Unmeasured non-household foul load (including exempt)	-	-	tonnes	I	1398.997	B4	1470.131	B4
A3.14	Measured non-household foul load	-	-	tonnes	I	16433.162	B3	16730.001	B4
A3.15	Trade effluent load	-	-	tonnes	I	17132.347	B2	16336.803	B4
A3.16	Total load discharged from primary services	-	-	tonnes	C	144266.552	B3	144616.308	B4
A3.17	Private septic tank load	-	-	tonnes	I	96.419	B3	104.990	B4
A3.18	Public septic tank load	-	-	tonnes	I	100.186	B3	98.556	B4
A3.19	Other tanker load	-	-	tonnes	I	396.189	B3	371.285	B4
A3.20	Total load entering sewerage system (BOD/yr)	-	A4.34	tonnes	C	144848.346	B3	145191.139	B4
A3.21	Average COD concentration	T15, L22	A4.35	mg/l	I	350.00	B2	350.00	B2
A3.22	Average suspended solids concentration	T15, L23	A4.36	mg/l	I	250.00	B2	250.00	B2
A3.23	Equivalent population served (resident)	-	A4.37	000	I	6692.439	B3	6723.672	B4
A3.24	Equivalent population served (resident)(numerical consents)	-	A4.38	000	I	6287.273	B3	6235.644	B4
A3.25	Total load receiving treatment through PPP treatment works	-	A4.39	tonnes	I	66469.070	B3	66927.839	B4
Sewage Sludge Treatment and Disposal									
A3.26	Total sewage sludge disposal	T15, L47	A4.52	lt/ds	I	122.605	B4	121.000	B4
A3.27	Total sewage sludge disposal by PPP treatment works	-	-	lt/ds	I	107.405	B4	106.000	B4
A3.28	Percentage unsatisfactory sludge disposal	T15, L48	A4.53	%	I	0.00	A1	0.00	A1

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