

SECTION G: INVESTMENT MONITORING
Table G1: Summary - Investment

Line Ref.	Description	Units	Field Type	10	20	30	40	50	60	70	80
				Report Year Pre 2010	Report Year 2010-11	Forecast Year 2011-12	Forecast Year 2012-13	Forecast Year 2013-14	Forecast Year 2014-15	Forecast Post 2015	Forecast Total Financed in SRC10-15
Capital Maintenance											
G1.1	Water Service Infrastructure	£m	I	0.000	60.765	70.362	62.983	63.281	50.063	0.064	307.518
G1.2	Water Service Non-Infrastructure	£m	I	0.000	41.902	43.438	34.773	51.024	39.424	0.066	210.627
G1.3	Wastewater Service Infrastructure	£m	I	0.000	39.112	24.454	19.507	40.843	44.345	0.164	168.425
G1.4	Wastewater Service Non-Infrastructure	£m	I	0.000	53.190	60.093	43.631	33.279	35.555	0.045	225.793
G1.5	Management and General	£m	I	0.000	3.793	1.626	1.363	23.033	29.915	0.000	59.730
G1.6	Total Capital Maintenance	£m	C	0.000	198.762	199.973	162.257	211.460	199.303	0.339	972.093
Growth											
G1.7	Total Growth in the Water Network	£m	I	3.458	8.298	13.355	25.047	18.235	24.687	0.021	93.101
G1.8	Total Growth in the Wastewater Network	£m	I	1.115	16.112	11.697	10.416	6.977	25.706	0.979	73.001
G1.9	Total Water Reasonable Cost Contributions	£m	I	0.000	3.866	4.095	4.437	5.402	8.541	0.000	26.341
G1.10	Total Wastewater Reasonable Cost Contributions	£m	I	0.000	13.050	9.042	9.797	11.928	18.857	0.000	62.674
G1.11	Total Growth Expenditure	£m	C	4.573	41.326	38.188	49.697	42.543	77.790	1.000	255.118
Q&SIIb Enhancement Expenditure											
G1.12	Total Drinking Water Quality Enhancements	£m	I	13.302	49.138	89.678	103.578	54.338	16.034	0.152	326.220
G1.13	Total Environmental Enhancements	£m	I	24.832	41.106	91.391	110.441	97.019	48.013	1.192	413.993
G1.14	Total Customer Service Enhancements	£m	I	1.094	3.002	13.057	13.423	18.967	27.883	0.017	77.443
G1.15	Total Climate Change Enhancements	£m	I	0.052	0.585	1.574	1.389	20.677	0.003	0.000	24.280
G1.16	Total Additional Final Determination Enhancements	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.17	Total Q&SIIb Enhancement Expenditure	£m	C	39.280	93.831	195.699	228.831	191.000	91.933	1.361	841.936
Q&SIIb Enhancement - Outputs Monitoring Group Unallocated Enhancement Expenditure											
G1.18	Total remaining OMG Unallocated Investment	£m	I	0.000	0.000	0.000	11.478	47.532	119.189	0.000	178.200
Q&SII & IIIa Completion Expenditure											
G1.19	Total Q&SII Completion Expenditure	£m	I	0.000	42.655	12.009	2.837	0.063	0.000	0.000	57.563
G1.20	Total Q&SIIa Completion Expenditure	£m	I	0.000	66.247	54.023	50.872	1.604	0.190	0.000	172.937
G1.21	Total Q&SII & IIIa Completion Expenditure	£m	C	0.000	108.902	66.032	53.709	1.666	0.190	0.000	230.500
Q&SIV Early Start											
G1.22	Total Q&SIV Early Start Enhancement Expenditure	£m	I	0.000	0.666	0.108	0.027	11.798	22.086	0.000	34.685
Total Additional Operating Expenditure											
G1.23	Additional Operating Expenditure from Water Growth	£m	I	0.000	0.000	0.000	0.033	0.035	0.000	0.000	0.068
G1.24	Additional Operating Expenditure from Wastewater Growth	£m	I	0.000	0.000	0.001	0.079	0.107	0.000	0.000	0.187
G1.25	Additional Operating Expenditure from Drinking Water Quality Enhancements	£m	I	0.000	0.064	0.083	0.364	0.151	0.000	0.000	0.662
G1.26	Additional Operating Expenditure from Environmental Enhancements	£m	I	0.000	0.380	0.403	0.693	0.096	0.000	0.000	1.572
G1.27	Additional Operating Expenditure from Customer Service Enhancements	£m	I	0.000	0.000	0.006	0.011	0.000	0.000	0.000	0.017
G1.28	Additional Operating Expenditure from the Additional Final Determination Enhancements	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.29	Additional Operating Expenditure from the Q&SII Completion Expenditure	£m	I	0.000	0.000	0.019	0.002	0.000	0.000	0.000	0.020
G1.30	Additional Operating Expenditure from the Q&SIIa Completion Expenditure	£m	I	0.005	0.023	0.091	0.389	0.073	0.565	0.000	1.147
G1.31	Additional Operating Expenditure from the Q&SIV Early Start Expenditure	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.32	Total Additional Operating Expenditure	£m	C	0.005	0.467	0.603	1.572	0.461	0.565	0.000	3.673
Grants and Capital Contributions											
G1.33	Grants for infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.34	Grants for non-infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.35	Contributions to infrastructure assets	£m	I	0.000	1.102	0.000	0.000	0.000	0.000	0.000	1.102
G1.36	Contributions to non-infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.37	"Infrastructure charge" contributions for infrastructure assets	£m	I	0.000	2.886	0.000	0.000	0.000	0.000	0.000	2.886
G1.38	Total Capital Contributions	£m	C	0.000	3.988	0.000	0.000	0.000	0.000	0.000	3.988
Expenditure Totals											
G1.39	Capital Maintenance Expenditure	£m	C	0.000	198.762	199.973	162.257	211.460	199.303	0.339	972.093
G1.40	Growth Expenditure	£m	C	4.573	41.326	38.188	49.697	42.543	77.790	1.000	255.118
G1.41	Q&SIIb Enhancement Expenditure	£m	C	39.280	93.831	195.699	240.310	238.532	211.122	1.361	1020.136
G1.42	Q&SII & IIIa Enhancement Expenditure	£m	C	0.000	108.902	66.032	53.709	1.666	0.190	0.000	230.500
G1.43	Q&SIV Early Start Expenditure	£m	C	0.000	0.666	0.108	0.027	11.798	22.086	0.000	34.685
G1.44	Gross Capital Investment	£m	C	43.853	443.488	500.000	506.000	506.000	510.491	2.699	2512.531
G1.45	Total Capital Contributions	£m	C	0.000	3.988	0.000	0.000	0.000	0.000	0.000	3.988
G1.46	Net Capital Investment	£m	C	43.853	439.500	500.000	506.000	506.000	510.491	2.699	2508.543
G1.47	Total Additional Operating Expenditure	£m	C	0.005	0.467	0.603	1.572	0.461	0.565	0.000	3.673

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SECTION G: INVESTMENT MONITORING
Table G2: Summary - Outputs

Line Ref.	Description	Units	Field Type	10	20	30	40	50	60	70	80
				Report Year Pre 2010	Report Year 2010-11	Forecast Year 2011-12	Forecast Year 2012-13	Forecast Year 2013-14	Forecast Year 2014-15	Forecast Post Mar-15	Forecast Total
Growth											
G2.1	Strategic Capacity - Water Treatment [WG1]	Pe	I	0	8041	22195	45	211	0	0	30492
G2.2	Strategic Capacity - Wastewater Treatment [SG1]	Pe	I	0	9496	9967	17295	2645	580	6331	46314
G2.3	Strategic Water Network Capacity (Infrastructure Charge) [WG5]	Pe	I	0	16625	1235	0	0	0	0	17860
G2.4	Strategic Wastewater Network Capacity (Infrastructure Charge) [SG5]	Pe	I	0	0	0	0	0	0	0	0
Q&SIIb Enhancements - Drinking Water Quality											
G2.5	Number of Zones with reduced lead levels to meet the standard [DW1A]	No.	I	0	7	5	6	45	1	0	64
G2.6	Number of treatment works improved to meet drinking water quality standards [DW3]	No.	I	0	0	0	4	2	1	0	7
G2.7	Length of mains rehabilitated (including flushing & swabbing) to improve drinking water quality [DW5]	km	I	0.000	0.000	80.920	1319.630	2252.516	692.570	0.000	4346
G2.8	Number of DMAs subject to water quality investigations [DW5A]	No.	I	0	61	82	0	0	0	0	143
G2.9	Number of tanker fill points installed [DW8]	No.	I	0	0	14	0	0	0	0	14
G2.10	Number of sites with increased physical security [DW9]	No.	I	0	0	114	111	362	3	0	590
G2.11	Type A Raw Water Supplies provided with treatment [DW10]	No.	I	0	0	1	4	0	0	0	5
G2.12	Number of WwTW with Backflow prevention devices installed [DW11]	No.	I	0	4	144	127	0	0	0	275
G2.13	Number of WTW receiving improved disinfection control [DW13]	No.	I	0	0	16	15	3	0	0	34
G2.14	Number of zones covered by Water safety plans [DW16]	No.	I	0	109	65	0	0	0	0	174
G2.15	Number of WTW with reduced Cryptosporidium risk [DW23]	No.	I	0	0	0	25	17	3	0	45
G2.16	Number of raw water sampling points provided to comply with WFD [DW24]	No.	I	0	0	0	0	0	230	0	230
G2.17	Lead communications pipe survey completed	No.	I	0	0	0	0	0	1	0	1
G2.18	Number of water resource zones with company Level of Service restored (excluding 7 stage) [WG4]	No.	I	0	0	0	1	0	0	0	1
G2.19	Number of opportunistic lead pipe replacements undertaken [DW1B]	No.	I	0	0	500	251	0	14112	0	14863
G2.20	Number of customer requested lead pipe replacements undertaken [DW1C]	No.	I	0	0	0	0	0	2500	0	2500
G2.21	Type B (customer requested) Raw Water Supplies provided with treatment [DW10]	No.	I	0	1	51	4	1	0	0	57
Q&SIIb Enhancements - Environment											
G2.22	Number of UIDs improved to meet new standard (excluding 7 stage) [EC01B, EC03B, EC10B]	No.	I	0	3	2	18	3	0	0	26
G2.23	Number of UIDs improved to meet new standard (under 7 stage) [EC04B, EC10B]	No.	I	0	0	17	48	83	66	0	214
G2.24	Number of legislative requirements met through improved WwTW discharges [EC01A, EC03A, EC04A, EC10A]	No.	I	0	1	33	30	8	2	0	74
G2.25	Improvements to the Wastewater Network (properties) [SG3]	No.	I	0	0	0	32	0	0	0	32
G2.26	Number of WwTW discharges improved to meet existing licence standards [WQ01]	No.	I	0	0	5	17	3	0	0	25
G2.27	Number of WwPS improved to meet existing licence conditions [WQ01C]	No.	I	0	0	2	17	3	1	0	23
G2.28	Number of surface water systems improved [EC09B, EC10D]	No.	I	0	0	0	0	6	0	0	6
G2.29	Number of dual manhole systems improved [EC01C, EC04D]	No.	I	0	0	0	10	0	0	0	10
G2.30	Number of sludge treatment facilities improved to comply with safe sludge matrix [EC06]	No.	I	0	0	0	1	0	1	0	2
G2.31	Number of WwTW brought into compliance with non-sanitary requirements [WQ01A]	No.	I	0	0	0	20	36	27	0	83
G2.32	Number of wastewater network assets brought into compliance with non-sanitary requirements [WQ01B]	No.	I	0	0	42	103	85	0	0	230
G2.33	Number of environmental studies undertaken [EC01D, EC03C, EC04C, EC07C, EC08C, EC10E, NH01A, SG3, EC16, WR1A, WR2B]	No.	I	7	7	50	48	0	0	0	112
G2.34	Number of assets covered by flooding risk assessments [CS16W & CS16S]	No.	I	0	0	212	57	23	2	0	294
G2.35	Number of water resource zones with the company's level of service restored (under 7 stage) [WG4]	No.	I	0	0	0	8	7	0	0	15
Q&SIIb Enhancements - Customer Service											
G2.36	Number of WwTW where malodour is reduced [CS2]	No.	I	0	0	2	1	0	1	0	4
G2.37	Number of PFI WwTW where malodour is reduced [CS2]	No.	I	0	0	0	0	0	0	0	0
G2.38	Number of properties removed from the low pressure register [CS1]	No.	I	0	484	636	241	948	0	0	2309
G2.39	Number of properties removed from the low pressure register (Exclusions under Water (Scotland) Act 1980) [CS1A]	No.	I	0	50	156	29	6	0	0	241
G2.40	Works associated with the Commonwealth Games [CS15]	No.	I	0	0	31	36	0	25	0	92
G2.41	Number of assets protected from flood risk [CS16W]	No.	I	0	0	0	17	7	2	0	26
G2.42	Number of models to support the Flooding Bill [CS16S]	No.	I	0	0	1	1	2	1	0	5
G2.43	Creation of an external sewer flooding register [CS17]	No.	I	0	0	0	0	0	0	0	0
Q&SIIb Enhancements - Climate Change											
G2.44	Number of climate change studies [CC3, CC4, CC5, CC6]	No.	I	0	0	6	6	0	0	0	12
G2.45	Renewable power generation capacity provided [CC1W]	GWh	I	0	0	0	0	0	25	0	25
Q&SIIb Enhancements - Output Monitoring Group											
G2.46	Encouraging Section 29E opportunities [CS18S]	No.	I	0	0	0	0	0	0	0	0
G2.47	Incentivising developers to adopt water efficiency measures [CS18W]	No.	I	0	0	0	0	0	0	0	0
G2.48	Pilot household metering trials [CS19]	No.	I	0	0	0	0	0	0	0	0
G2.49	Strengthening the regulatory framework [CS20]	No.	I	0	0	0	0	0	0	0	0
G2.50	Water Efficiency Plan	No.	I	0	0	0	0	0	1	0	1
G2.51	Sustainable land management solutions	No.	I	0	0	0	0	0	5	0	5
G2.52	Sustainable solutions to Cryptosporidium removal	No.	I	0	0	0	0	0	1	0	1
G2.53	Permanent lowest cost solution at Dalmeir WwTW (PFI)	No.	I	0	0	0	0	0	1	0	0
Q&SIIa & Q&SII delivery projects											
G2.54	Q&SII projects remaining	No.	I	62	16	5	0	0	0	0	0
G2.55	Q&SIIa projects remaining	No.	I	251	46	27	16	0	0	0	0

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SECTION G: INVESTMENT MONITORING
Table G3: Monitoring Serviceability

Line Ref.	Description	Units	Field Type	10	20	30	40	50	60	70	80	90
				Ministerial Target 2010-15	Baseline Delivery Plan Target Mar 2010	Actual March 2010	Delivery Plan Target Mar 2011	Actual March 2011	Delivery Plan Target Mar 2012	Delivery Plan Target Mar 2013	Delivery Plan Target Mar 2014	Delivery Plan Target Mar 2015
Drinking Water Quality Indicators												
G3.1	% of compliant zones for iron	%	I	83	90.2	90.3		92.88				96.5
G3.2	% of compliant zones for manganese	%	I	94	93.6	93.6		94.43				96.3
G3.3	Number of microbiological failures at WTWs	Nr	I	60	38	30		44				38
G3.4	Lead communication pipe survey	Nr	I									
Environment Serviceability Indicators												
G3.5	Number of failing WWTW	Nr	I	39	18	12		11				18
G3.6	Number of sludge treatment facilities improved to comply with safe sludge matrix	Nr	I									
G3.7	The maximum number of UIDs	Nr	I	827	830	827		821				539
G3.8	Number of pollution incidents	Nr	I	939	924	788		824				548
G3.9	Water Efficiency Plan	Nr	I									
Customer Service Serviceability Indicators												
G3.10	Properties on the low pressure register	Nr	I	10707	2549	2496		1962				240
G3.11	Properties with unplanned interruptions to supply > 12 hrs	Nr	I	15759	5407	5624		3862				684
G3.12	Bursts per 1,000km of mains	Nr	I	204	204	217		207				188
G3.13	Properties at risk of internal flooding	Nr	I	1147	341	328		341				341
G3.14	Properties internally flooded due to other causes	Nr	I	1270	1270	931		820				1270
G3.15	The Overall Satisfaction level (from the customer service questionnaire)	%	I	Above 78	78	82		80				Above 78
G3.16	The maximum number of 'second tier' complaints referred to Waterwatch	Nr	I	Below 121	121			50				Below 121
G3.17	The number of telephone contacts relating to drinking water quality	Nr	I	<24168		24168		20510				<24168
G3.18	Metering Trial	Nr	I									
G3.19	Creation of a register of all properties affected by external sewer flooding	Nr	I									
G3.20	The Overall Performance Assessment (OPA) Score	Nr	I	380+	283	291	302	330	317	338	380	380+
G3.21	The average annual level of leakage	MI/d	I	612.000	730.000	704.000	720.000	699.148	670.000	640.000	612.000	612.000

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G4.22	Number of WwTW brought into compliance with licence non-sanitary requirements	WQ01A	83	W	1	No.	I	0	0	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
G4.23	Number of wastewater network assets made compliant with licence requirements	WQ01B	230	X	1	No.	I	7	7	229	229	229	229	230	230	230	230	230	230	230	230	230	230	230
G4.24	Number of environmental studies undertaken	EC01D,EC03C,EC04C,EC07C,EC08C,EC10E	110	AA	1	No.	I	39	69	91	106	110	110	110	112	112	112	112	112	112	112	112	112	
G4.25	Number of flooding asset risk assessments	CS16W & CS16S	294	AI	1	No.	I	0	292	292	292	294	294	294	294	294	294	294	294	294	294	294	294	

Q&SIIb Enhancements - Customer Service - OMD Outputs

Line Ref.	Output	Drivers	Total No Outputs	OMD Programme Group	Milestone Stage	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.26	Number of sites where malodour is reduced	CS2	4	AB	1	No.	I	2	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4					
G4.27	Number of properties removed from low pressure register	CS1	2309	AC	1	No.	I	1149	1499	1499	1632	2147	2276	2276	2309	2309	2309	2309	2309	2309	2309	2309	2309					
G4.28	Number of properties removed from low pressure register (Exclusions under Water (Scotland) Act 1980)	CS1A	128	AD	1	No.	I	16	53	53	152	210	235	235	241	241	241	241	241	241	241	241	241					
G4.29	Works associated with the Commonwealth Games	CS15	92	P	1	No.	I	0	0	0	67	67	67	67	67	67	67	67	67	67	67	67						
G4.30	Number of assets protected from flood risk	CS16W	26	AG	1	No.	I	0	0	0	0	0	1	18	21	25	26	26	26	26	26	26	26					
G4.31	Number of models to support the Flooding Bill	CS16S	5	AH	1	No.	I	0	0	0	0	5	5	5	5	5	5	5	5	5	5	5	5					

Q&SIIb Enhancements - Climate Change - OMD Outputs

Line Ref.	Output	Drivers	Total No Outputs	OMD Programme Group	Milestone Stage	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.32	No. of climate change studies	CC2,CC3,CC4,CC5,CC6	12	AE	1	No.	I	1	1	9	12	12	12	12	12	12	12	12	12	12	12	12	12					
G4.33	Renewable generation capacity	CC1W	25	AF	1	GWh	I	0	0	0	0	25	25	25	25	25	25	25	25	25	25	25						

Q&SIIb Enhancements - Growth - OMD Outputs

Line Ref.	Output	Drivers	Total No Outputs	OMD Programme Group	Milestone Stage	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.34	Water strategic capacity (PE) (Committed to deliver)	WG1		AJ	3	Pe	I	46861	46861	46861	46906	46906	46906	47117	47117	47117	47117	47117	47117	47117	47117	47117	47117					
G4.35	Wastewater strategic capacity (PE) (Committed to deliver)	SG1		AK	3	Pe	I	13704	13803	28712	30090	30683	35317	36262	38661	39035	39925	39983	39983	39983	39983	46314	46314					

Q&SIIb Enhancements - 7 Stage Process Outputs

Line Ref.	Output	Drivers	Total No Outputs	OMD Programme Group	Milestone Stage	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.36	Number of UID improved (under 7 stage)	EC04B,EC10B	197	Q	1	No.	I	6	19	46	57	59	67	116	187	213	213	214	214	214	214	214	214					
G4.37	Number of water resource zones receiving company standard for security of supply (under 7 stage)	WG4	14	M	1	No.	I	8	8	10	11	14	14	14	14	14	14	14	14	14	14	14	14					

OMD Investment Profile

Line Ref.	Measure	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.38	Total OMD related enhancement expenditure (in quarter)	£m	I	20.1	29.6	34.4	36.0	36.6	41.3	43.6	35.5	34.1	35.6	39.1	34.4	25.505	21.08	20.105	12.75	6.4	3.6	2.2	1.3	0.1
G4.39	Total OMD related enhancement expenditure (cumulative)	£m	C	20.071	49.670	84.088	120.073	156.673	197.974	241.577	277.072	311.171	346.776	385.875	420.279	455.784	496.864	543.969	597.074	656.179	725.783	801.985	885.788	513.328

Q&SII & Q&SIIa Project Sign Off

Line Ref.	Measure	Units	Field Type	2010/11				2011/12				2012/13				2013/14				2014/15				2015/16
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
G4.40	Q&SII projects signed off (in quarter)	Nr	I	18	13	8	10	1	5	3	2	3	2	0	0	0	0	0	0	0	0	0	0	0
G4.41	Q&SII projects signed off (cumulative)	Nr	C	18	31	39	49	50	55	58	60	63	65	65	65	65	65	65	65	65	65	65	65	65
G4.42	Q&SIIa projects signed off (in quarter)	Nr	I	121	23	42	17	9	2	8	0	5	3	0	3	14	2	0	0	0	0	0	0	0
G4.43	Q&SIIa projects signed off (cumulative)	Nr	C	121	144	186	203	212	214	222	222	227	230	230	233	247	249	249	249	249	249	249	249	249
G4.44	Q&SII & Q&SIIa projects signed off (cumulative)	Nr	C	139	175	225	252	262	269	280	282	290	295	295	298	312	314	314	314	314	314	314	314	314

Prepared by:
Checked by:
Authorised by: Geoff Aitkenhead 30/09/2011