

ANNUAL RETURN 2016

SECTION G: INVESTMENT MONITORING
Table G1: Summary - Investment

Line Ref.	Description	Units	Field Type	10 Report Year Pre 2015	20 Actual Report Year 2015-16	30 Forecast Report Year 2016-17	40 Forecast Report Year 2017-18	50 Forecast Report Year 2018-19	60 Forecast Report Year 2019-20	70 Forecast Report Year 2020-21	80 Forecast Post 2021	90 Forecast Total Financed in SR15-21
Capital Maintenance												
G1.01	Water Service Infrastructure	£m	I	0.000	84.626	106.685	89.110	126.163	138.745	92.964	0.000	638.294
G1.02	Water Service Non-Infrastructure	£m	I	0.000	67.591	68.403	72.387	83.460	73.234	81.203	0.000	446.278
G1.03	Wastewater Service Infrastructure	£m	I	0.000	31.042	53.511	55.723	36.322	29.172	46.187	0.000	251.956
G1.04	Wastewater Service Non-Infrastructure	£m	I	0.000	49.676	63.360	69.316	126.863	121.819	106.351	0.000	537.385
G1.05	Management and General	£m	I	0.000	27.616	36.034	34.475	22.248	24.497	40.427	0.000	185.296
G1.06	Total Capital Maintenance	£m	C	0.000	260.551	327.993	321.011	395.056	387.467	367.132	0.000	2059.210
Growth												
G1.07	Growth in the Water Network	£m	I	0.000	2.114	5.031	2.423	8.105	8.030	9.002	0.000	34.705
G1.08	Growth in the Wastewater Network	£m	I	0.000	8.568	7.986	9.807	6.239	6.305	8.086	0.000	46.992
G1.09	Water Reasonable Cost Contributions	£m	I	0.000	8.297	7.558	4.906	0.089	0.089	0.089	0.000	21.027
G1.10	Wastewater Reasonable Cost Contributions	£m	I	0.000	8.655	11.476	11.445	0.228	0.228	0.228	0.000	32.260
G1.11	Service Relocations Water	£m	I	0.000	15.039	11.269	3.603	1.489	0.932	0.809	0.000	33.141
G1.12	Service Relocations Wastewater	£m	I	0.000	4.805	4.863	3.266	0.074	0.025	0.024	0.000	13.057
G1.13	Total Growth Expenditure	£m	C	0.000	47.478	48.183	35.450	16.225	15.609	18.237	0.000	181.182
Q&SIV Enhancement Expenditure												
G1.14	Improving drinking water quality compliance and reliability	£m	I	9.291	21.979	32.720	56.208	51.418	72.371	92.221	6.101	342.309
G1.15	Improving drinking water availability and resilience of service	£m	I	3.316	7.795	15.374	23.915	31.307	14.927	15.288	0.452	112.375
G1.16	Protecting and enhancing the environment	£m	I	8.927	13.544	30.466	46.771	40.214	65.288	72.609	7.062	284.880
G1.17	Reducing flooding and pollution from sewers	£m	I	21.156	24.093	22.154	38.279	2.038	19.461	3.081	0.350	130.612
G1.18	Improving the customer experience	£m	I	0.929	2.287	7.476	4.312	1.047	1.047	1.047	0.000	18.146
G1.19	Climate Change	£m	I	0.235	0.156	0.441	0.978	0.749	0.282	0.302	0.000	3.143
G1.20	Reducing long term cost of service	£m	I	2.941	4.783	4.218	5.374	5.081	3.266	4.222	0.000	29.885
G1.21	Total Q&SIV Enhancement Expenditure	£m	C	46.795	74.636	112.850	175.838	131.855	176.642	188.770	13.966	921.351
Q&SIV Enhancement - IR18												
G1.22	Total remaining IR18 Unallocated Investment	£m	I	0.000	0.000	0.156	0.432	82.499	105.182	109.787	384.344	682.400
Q&SIIIa & Q&SIIIb Completion Expenditure												
G1.23	Total OMG180 Completion Expenditure	£m	I	0.000	74.037	70.264	67.357	35.450	30.447	30.703	0.000	308.258
G1.24	Total Non OMG180 Completion Expenditure	£m	I	0.000	5.013	20.582	10.026	4.310	5.917	0.109	0.000	45.956
G1.25	Total Completion Expenditure	£m	C	0.000	79.050	90.845	77.383	39.760	36.364	30.812	0.000	354.215
Q&SV Early Start												
G1.26	Total Q&SV Early Start Enhancement Expenditure	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Additional Operating Expenditure												
G1.27	Additional Operating Expenditure from Capital Maintenance	£m	I	0.000	0.972	0.008	0.015	0.004	0.000	0.000	0.000	0.999
G1.28	Additional Operating Expenditure from Water Growth	£m	I	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.005
G1.29	Additional Operating Expenditure from Wastewater Growth	£m	I	0.000	0.000	0.021	0.000	0.000	0.000	0.000	0.000	0.022
G1.30	Additional Operating Expenditure from Improving drinking water quality compliance and reliability	£m	I	0.000	0.000	0.001	0.002	0.001	0.000	0.000	0.000	0.004
G1.31	Additional Operating Expenditure from Improving drinking water availability and resilience of service	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.32	Additional Operating Expenditure from Protecting and enhancing the environment	£m	I	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.002
G1.33	Additional Operating Expenditure from Reducing flooding and pollution from sewers	£m	I	0.000	0.005	0.001	0.000	0.000	0.000	0.000	0.000	0.006
G1.34	Additional Operating Expenditure from Improving the customer experience	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.35	Additional Operating Expenditure from Climate Change	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.36	Additional Operating Expenditure from Reducing long term cost of service	£m	I	0.000	0.000	-0.007	-0.011	0.000	0.000	0.000	0.000	-0.018
G1.37	Additional Operating Expenditure from IR18	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.38	Additional Operating Expenditure from Completion	£m	I	0.000	0.205	0.000	0.013	0.003	0.000	0.000	0.000	0.221
G1.39	Additional Operating Expenditure from Q&SV Early Start	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.40	Total Additional Operating Expenditure	£m	C	0.000	1.182	0.029	0.020	0.007	0.000	0.000	0.000	1.239
Grants and Capital Contributions												
G1.41	Grants for infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.42	Grants for non-infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.43	Contributions to infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.44	Contributions to non-infrastructure assets	£m	I	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.45	Contributions to service relocations - Water	£m	I	0.000	-10.757	-9.155	-2.927	-1.210	-0.757	-0.657	0.000	-25.463
G1.46	Contributions to service relocations - Wastewater	£m	I	0.000	-5.592	-4.506	-3.026	-0.068	-0.023	-0.022	0.000	-13.237
G1.47	"Infrastructure charge" contributions for infrastructure assets	£m	I	0.000	-1.709	-1.009	-0.218	-11.024	-10.850	-10.603	0.000	-35.414
G1.48	Total Capital Contributions	£m	C	0.000	-18.058	-14.669	-6.171	-12.303	-11.630	-11.282	0.000	-74.114
Expenditure Totals												
G1.49	Capital Maintenance Expenditure	£m	C	0.000	260.551	327.993	321.011	395.056	387.467	367.132	0.000	2059.210
G1.50	Growth Expenditure	£m	C	0.000	47.478	48.183	35.450	16.225	15.609	18.237	0.000	181.182
G1.51	Q&SIV Enhancement Expenditure	£m	C	46.795	74.636	113.005	176.271	214.354	281.824	298.557	398.310	1603.751
G1.52	Q&SIIIa & Q&SIIIb Enhancement Expenditure	£m	C	0.000	79.050	90.845	77.383	39.760	36.364	30.812	0.000	354.215
G1.53	Q&SV Early Start Expenditure	£m	C	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
G1.54	Gross Capital Investment	£m	C	46.795	461.714	580.027	610.115	665.395	721.263	714.739	398.310	4198.358
G1.55	Total Capital Contributions	£m	C	0.000	-18.058	-14.669	-6.171	-12.303	-11.630	-11.282	0.000	-74.114
G1.56	Net Capital Investment	£m	C	46.795	443.656	565.358	603.943	653.093	709.633	703.457	398.310	4124.244
G1.57	Total Additional Operating Expenditure	£m	C	0.000	1.182	0.029	0.020	0.007	0.000	0.000	0.000	1.239

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SECTION G: INVESTMENT MONITORING
Table G2: Summary - Outputs

Line Ref.	Description	Units	Field Type	10 Report Year Pre 2016	20 Actual Report Year 2015-16	30 Forecast Report Year 2016-17	40 Forecast Report Year 2017-18	50 Forecast Report Year 2018-19	60 Forecast Report Year 2019-20	70 Forecast Report Year 2020-21	80 Forecast Post 2021	90 Forecast Total Financed in SR15-21
Growth												
G2.1	Strategic Capacity - Water Treatment [WG1]	Pe	I	0	0	14644	388	33000	0	0	0	48032
G2.2	Strategic Capacity - Wastewater Treatment [SG1]	Pe	I	0	1351	880	26546	24956	14926	0	0	68659
G2.3	Strategic Water Network Capacity (Infrastructure Charge) [WG5]	Pe	I	0	1920	33750	702	0	0	2760	0	39132
G2.4	Strategic Wastewater Network Capacity (Infrastructure Charge) [SG5]	Pe	I	0	0	681	2	0	0	0	0	683
Q&SIV Enhancements - Drinking Water Quality												
G2.5	Number of water treatment works improved	No.	I	0	0	1	3	15	5	4	0	28
G2.6	Number of zones made compliant with iron & manganese standards	No.	I	0	0	0	22	28	22	6	10	78
G2.7	Number of enhancements to improve reliability of supply (catchments and treatment)	No.	I	0	2	2	7	9	15	11	1	46
G2.8	Number of enhancements to improve reliability of supply (networks and storage)	No.	I	0	1	10	10	4	49	8	0	82
G2.9	Distribution mains cleaned (km)	Km	I	0	0	8	864	3279	1776	0	0	5928
G2.10	Water supply resilience strategy and improvements made	No.	I	0	4	2	3	4	1	4	0	18
G2.11	Number of zones with improved security of supply (SOSI)	No.	I	0	1	0	0	5	3	2	0	11
G2.12	Number of security measures and improvements to the infrastructure of critical reservoirs	No.	I	0	3	36	92	24	414	120	0	689
G2.13	Number of water quality etc studies to inform future periods	No.	I	0	10	102	70	106	38	15	0	341
G2.14	2010-15 outputs planned to complete in the 2015-21 period	No.	I	0	2	5	7	6	3	0	0	23
Q&SIV Enhancements - Environment												
G2.15	Number of WWTWs improved to meet UWWTD	No.	I	1	5	1	11	4	0	0	0	22
G2.16	Number of waste water networks improved to meet UWWTD	No.	I	0	4	10	7	18	21	1	0	61
G2.17	Number of improvements required to meet UWWTD - Glasgow completion	No.	I	0	24	17	28	5	10	10	0	94
G2.18	Number of improvements required to meet the Water Framework Directive	No.	I	0	1	0	9	1	4	6	0	21
G2.19	Number of revised Bathing Waters Directive studies	No.	I	0	0	0	0	6	1	0	0	7
G2.20	Number of studies and catchments to meet the requirements of the Flood Risk Management Act	No.	I	0	0	22	33	60	91	12	0	218
G2.21	Number of environmental studies to inform future periods	No.	I	0	0	3	38	24	62	3	0	130
G2.22	Number of improvements required by the Compliance Assessment Scheme; odour reduction and sludge ma	No.	I	0	10	10	8	7	1	2	0	38
G2.23	2010-15 outputs planned to complete in the 2015-21 period	No.	I	0	7	2	4	0	3	0	0	16
G2.24	Number of improvements to dams to meet the requirements of the Flood Risk Management Act	No.	I	0	8	3	1	8	17	8	0	45
Q&SIV Enhancements - Supporting Economic Development												
G2.25	Number of climate change vulnerability assessments	No.	I	0	4	51	2	37	15	13	0	122
G2.26	Improvements in renewable power and energy efficiency	Gwh	I	0.42	1.22	0.00	0.65	0.00	0.91	14.30	0.00	17.50
Q&SIV Enhancements - Output Monitoring Group - Annual Measures												
G2.27	Number of lead communication pipes replaced	No.	I	0	0	0	0	0	0	6500	0	6500
G2.28	Assessment of levels of pressure for all customers and number of improvements if low levels of service are found	No.	I	0	0	0	0	1	0	0	0	1
G2.29	Improve response times to reduce average duration of short term interruptions to supply	No.	I	0	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
G2.30	Number of water efficiency advice and water saving packs provided (to 2% of customer base)	No.	I	0	0	0	6500	18000	18000	6500	0	49000
G2.31	Number of internal flooding improvements	No.	I	0	47	47	70	47	46	28	0	285
G2.32	Number of internal flooding improvements - completion programme	No.	I	0	0	0	0	0	0	0	0	0
G2.33	Number of external flooding investigations and improvements	No.	I	0	29	56	74	140	21	0	0	320
G2.34	% of customers covered by flood resilience assessments	No.	I	0	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
G2.35	Number of surface water management investigations	No.	I	0	0	1	0	0	0	0	0	1
G2.36	Number of connections for new households and businesses	No.	I	0	35093	35093	37200	41292	43357	47693	0	239728
G2.37	New waste water capacity for 58,000 people	No.	I	0	1351	1561	26548	24956	14926	0	0	69342
G2.38	Number of developer constructed assets (Part 2&3) adopted	No.	I	0	25	0	0	0	0	0	0	25
G2.39	Number of first time non domestic meters installed	No.	I	0	4069	1931	3000	3000	3000	3000	0	18000
G2.40	Number of statutory requirements to relocate services for transport infrastructure projects	No.	I	0	77	0	0	0	0	0	0	77
G2.41	Improved contact management and proactive communication	No.	I	0	0	0	1	0	0	0	0	1
G2.42	Number of wholesale meter accuracy improvements	No.	I	0	7729	10471	13500	15500	14500	13800	0	75500
G2.43	Number of Strategic Mains Diversions	No.	I	0	0	0	3	2	0	0	0	5
Q&SIIIa & Q&SIIIb Delivery projects												
G2.44	Q&SIIIa projects remaining	No.	I	1	1	0	0	0	0	0	0	0
G2.45	Q&SIIIb projects remaining	No.	I	36	14	8	4	1	1	0	0	0
G2.46	Q&S3b Km of Mains Rehabilitated remaining	Km	I	0	0	0	0	0	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	100	110	120	130	140	150	160	170
				Ministerial Target 2015-21	Baseline Delivery Plan Target Mar 2015	Actual March 2015	Delivery Plan Target Mar 2016	Actual March 2016	Delivery Plan Target Mar 2017	Forecast March 2017	Delivery Plan Target Mar 2018	Forecast March 2018	Delivery Plan Target Mar 2019	Forecast March 2019	Delivery Plan Target Mar 2020	Forecast March 2020	Delivery Plan Target Mar 2021	Forecast March 2021	Delivery Plan Target Post Mar 2021	Forecast Post March 2021
Drinking Water Quality Indicators																				
G3.1	% of compliant zones for iron	%	I	n/a	96.50%	94.14%	n/a	92.76%	n/a		n/a		n/a		n/a		n/a			
G3.2	% of compliant zones for manganese	%	I	n/a	96.30%	94.83%	n/a	96.21%	n/a		n/a		n/a		n/a		n/a			
G3.3	Number of microbiological failures at WTWs	Nr	I	n/a	38	40	n/a	16	n/a		n/a		n/a		n/a		n/a			
G3.4	Number of Customer Contacts relating to Taste	Nr	I	5,000	n/a	2,671	5,000	2,691	5,000		5,000		5,000		5,000		5,000			
G3.5	Number of Customer Contacts relating to Discolouration	Nr	I	10,000	n/a	9,211	10,000	6,325	10,000		10,000		10,000		10,000		10,000			
Environment Serviceability Indicators																				
G3.6	Number of failing WWTW	Nr	I	5	18	3	5	6	5		5		5		5		5			
G3.7	Number of sludge treatment facilities improved to comply with safe sludge matrix	Nr	I	[4]	2	2	4	8	8		8		8		8		8			
G3.8	Maximum number of UIDs	Nr	I	n/a	n/a	791	n/a	761	n/a		n/a		n/a		n/a		n/a			
G3.9	Number of pollution incidents	Nr	I	330	548	249	330	260	330		330		330		330		330			
G3.10	Total number of Pollution incidents (sewerage)	Nr	I	n/a	n/a	n/a	329	257	329		329		329		329		329			
G3.11	Serious pollution incidents (sewerage) Cat 1 & 2	Nr	I	n/a	n/a	n/a	13	10	13		13		13		13		13			
G3.12	Serious pollution incidents (water) Cat 1	Nr	I	n/a	n/a	n/a	1	3	1		1		1		1		1			
G3.13	Discharge permit compliance	%	I	n/a	n/a	99.49%	n/a	98.98%	n/a		n/a		n/a		n/a		n/a			
G3.14	Satisfactory sludge disposal	%	I	100%	100%	100%	100%	100%	100%		100%		100%		100%		100%			
G3.15	Greenhouse gas (GHG) emissions (ktCO2e)	ktCO2e	I	n/a	n/a	379	n/a	404	n/a		n/a		n/a		n/a		n/a			
Customer Service Serviceability Indicators																				
G3.16	Properties on the low pressure register	Nr	I	100	240	46	100	47	100		100		100		100		100			
G3.17	Properties with unplanned interruptions to supply > 12 hrs	Nr	I	<1,000	684	563	<1,000	716	<1,000		<1,000		<1,000		<1,000		<1,000			
G3.17a	Properties with unplanned interruptions to supply > 6 hrs	Nr	I	13,000	n/a	n/a	13,000	6,434	13,000		13,000		13,000		13,000		13,000			
G3.18	Number of hours lost due to water supply interruptions for three hours or longer	Hrs/prop	I	n/a	n/a	0.2763	n/a	0.2611	n/a		n/a		n/a		n/a		n/a			
G3.19	Bursts per 1,000km of mains	Nr	I	n/a	188	160	n/a	140	n/a		n/a		n/a		n/a		n/a			
G3.20	Properties at risk of internal sewer flooding	Nr	I	370	341	302	370	334	370		370		370		370		370			
G3.21	Properties internally flooded due to other causes	Nr	I	n/a	1270	367	n/a	389	n/a		n/a		n/a		n/a		n/a			
G3.22	Properties internally flooded due to overloaded sewers	Nr	I	n/a	n/a	54	n/a	95	n/a		n/a		n/a		n/a		n/a			
G3.23	Incidents of internal sewer flooding for properties that have flooded within the last ten years	Nr	I	n/a	n/a	156	n/a	243	n/a		n/a		n/a		n/a		n/a			
G3.24	Properties at risk of external sewer flooding	Nr	I	<5,000	n/a	3,708	<5,000	3,693	<5,000		<5,000		<5,000		<5,000		<5,000			
G3.25	Incidents of external sewer flooding due to other causes	Nr	I	13,000	n/a	10,768	n/a	9,981	n/a		n/a		n/a		n/a		n/a			
G3.26	Incidents of external sewer flooding due to overloaded sewers	Nr	I	400	n/a	227	n/a	349	n/a		n/a		n/a		n/a		n/a			
G3.27	The Overall Satisfaction level (from the customer service questionnaire)	%	I	n/a	>78%	92%	n/a	90%	n/a		n/a		n/a		n/a		n/a			
G3.28	The maximum number of 'second tier' complaints referred to Scottish Public Services Ombudsman	Nr	I	n/a	<121	4	n/a	1	n/a		n/a		n/a		n/a		n/a			
G3.29	The number of telephone contacts relating to drinking water quality	Nr	I	<24,168	<24,168	14150	n/a	11,667	n/a		n/a		n/a		n/a		n/a			
G3.30	The Overall Performance Assessment (OPA) Score (In Year Value)	Nr	I	380	380	380	380	381	382		382		383		384		385			
G3.31	The Overall Performance Assessment (OPA) Score (Period Average)	Nr	I	382.5	n/a	370	n/a	393	n/a		n/a		n/a		n/a		n/a			
G3.32	The average annual level of leakage	MI/d	I	575	600	544	575	500	575		575		575		575		575			
G3.33	Household Customer Experience Measure (HCEM)	Nr	I	82.6	n/a	82.6	>82.6	84.320	>82.6		>82.6		>82.6		>82.6		>82.6			
G3.34	Non-Household Customer Experience Measure (nHHCEM)	Nr	I	n/a	n/a	n/a	n/a	n/a	n/a		n/a		n/a		n/a		n/a			
G3.35	High Esteem Test	%	I	n/a	n/a	n/a	n/a	78.60%	n/a		n/a		n/a		n/a		n/a			
G3.36	Wholesale Key Performance Indicator (KPIs)	%	I	95.00%	95.00%	92.00%	95.00%	91.00%	95.00%		95.00%		95.0%		95.0%		95.0%			
Resilience of supply																				
G3.37	Water Available for Supply Index: % of Population covered by 1:40 level of Service	%	I	n/a	n/a	88.90%	n/a	87.30%	n/a		n/a		n/a		n/a		n/a			
G3.38	Water Available for Supply Index: % of Population covered by 1:100 level of Service	%	I	n/a	n/a	71.50%	n/a	77.30%	n/a		n/a		n/a		n/a		n/a			
Asset Serviceability Indicators (using Residual Life Expectancy Index)																				
G3.39	Asset Health Index: Water resources			n/a	n/a	n/a	n/a	0.617	n/a		n/a		n/a		n/a		n/a		n/a	
G3.40	Asset Health Index: Water mains			n/a	n/a	n/a	n/a	0.411	n/a		n/a		n/a		n/a		n/a		n/a	
G3.41	Asset Health Index: Water treatment works			n/a	n/a	n/a	n/a	0.782	n/a		n/a		n/a		n/a		n/a		n/a	
G3.42	Asset Health Index: Water storage			n/a	n/a	n/a	n/a	0.754	n/a		n/a		n/a		n/a		n/a		n/a	
G3.43	Asset Health Index: Water pumping stations			n/a	n/a	n/a	n/a	0.755	n/a		n/a		n/a		n/a		n/a		n/a	
G3.44	Asset Health Index: Wastewater sewers			n/a	n/a	n/a	n/a	0.816	n/a		n/a		n/a		n/a		n/a		n/a	
G3.45	Asset Health Index: Wastewater sewer structures			n/a	n/a	n/a	n/a	n/a	n/a		n/a		n/a		n/a		n/a		n/a	
G3.46	Asset Health Index: Wastewater sea outfalls			n/a	n/a	n/a	n/a	n/a	n/a		n/a		n/a		n/a		n/a		n/a	
G3.47	Asset Health Index: Wastewater sewage pumping stations			n/a	n/a	n/a	n/a	0.54	n/a		n/a		n/a		n/a		n/a		n/a	
G3.48	Asset Health Index: Wastewater sewage treatment works			n/a	n/a	n/a	n/a	0.551	n/a		n/a		n/a		n/a		n/a		n/a	
G3.49	Asset Health Index: Wastewater sludge treatment facilities			n/a	n/a	n/a	n/a	0.581	n/a		n/a		n/a		n/a		n/a		n/a	

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SECTION G: INVESTMENT MONITORING
Table G4: OMD Inputs including Q&SIIa&b Project Sign-Offs

Q&SIV Enhancements - Drinking Water Quality - OMD Outputs									
Line Ref.	Output	Drivers	Total No Outputs	OMG Programme Group	OMD Weighting %	Milestone Stage	Units	Field Type	
2015/16									
2016/17									
2017/18									
2018/19									
2019/20									
2020/21									
2015-21									
G4.1	Number of water treatment works improved	DW2, DW3B, DW3C, DW23, DW25, DW25P, DW25T	28	1	11.7	1	No.	I	15 19 21 26 1 1 2 10 0 0 1 8 0 0 0 0 0 0 0 0
G4.2	Number of zones made compliant with iron & manganese standards	DW5	88	2	5.8	1	No.	I	88 88 88 88 0 0 0 26 0 0 0 1 0 0 0 0 0 0 0 0
G4.3	Number of enhancements to improve reliability of supply (catchments and treatment)	WR1, DW25P	47	3	6.0	1	No.	I	4 5 6 17 1 1 1 7 0 0 0 0 0 0 0 3 0 0 0 2
G4.4	Number of enhancements to improve reliability of supply (networks and storage)	DW25D, DW25P, DW25T	82	4	2.0	1	No.	I	1 4 13 27 0 0 1 8 0 0 1 3 0 0 0 1
G4.5	Distribution mains cleaned (km)	DW25D, DW25FS	5,928	5	6.2	1	Km	I	0 478,198 1,667,062 2,603.1 0 0 0 372,519 0 0 0 87,404
G4.6	Water supply resilience strategy and improvements made	CS16WR	18	6	6.5	1	No.	I	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
G4.7	Number of zones with improved security of supply (SOSI)	WG4	11	7	2.8	1	No.	I	2 2 3 5 1 1 1 1 1 1 1 1 0 0 1 1 0 0 0 0
G4.8	Number of security measures and improvements to the structure of critical reservoirs	DW9A, DW9D, DW9F, DW9H	689	8	4.1	1	No.	I	633 689 689 689 30 86 86 293 0 86 86 293 0 0 0 3 0 0 0 3
G4.9	Number of water quality etc studies to inform future periods	CS16S, DW2, S, DW25PS, DW26TS, DW3C, S, S	341	18	1.8	1	No.	I	235 235 236 341 27 49 192 235 0 0 0 0 0 0 0 0
G4.10	2010-15 outputs planned to complete in the 2015-21 period	DW5, DW13, DW23, DW25	23	19	4.3	1	No.	I	19 21 21 23 13 14 16 18 13 14 14 17 1 3 3 4 0 0 1 2

Q&SIV Enhancements - Environment - OMD Outputs									
Line Ref.	Output	Drivers	Total No Outputs	OMG Programme Group	OMD Weighting %	Milestone Stage	Units	Field Type	
2015/16									
2016/17									
2017/18									
2018/19									
2019/20									
2020/21									
2015-21									
G4.11	Number of WWWTs improved to meet UWWTD	EC01A, EC10A	22	9	7.0	1	No.	I	21 22 22 22 6 6 7 18 4 5 6 18 4 5 5 6 4 2 4 3
G4.12	Number of waste water networks improved to meet UWWTD	CS11, EC01B, EC01C, EC01F, EC10B	61	10	7.1	1	No.	I	42 42 43 43 1 8 14 29 0 6 10 20 0 2 4 7 0 0 4 4
G4.13	Number of improvements required to meet UWWTD - Glasgow completion	EC01B, EC04B, EC10B	94	20	17.8	1	No.	I	94 94 94 94 38 38 38 56 31 37 37 47 3 8 23 27 0 6 7 24
G4.14	Number of improvements required to meet the Water Framework Directive	EC10A, WR1, WR2A	21	11	0.4	1	No.	I	12 12 12 17 11 11 11 11 1 1 1 10 0 0 1 1 0 0 0 0
G4.15	Number of revised Bathing Waters Directive studies	EC16, EC16A, EC16B	7	12	0.7	1	No.	I	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
G4.16	Number of studies and catchments to meet the requirements of the Flood Risk Management Act	CS16D	218	13	1.4	1	No.	I	218 218 218 218 0 5 17 55 0 0 6 47 0 0 0 0 0 0 0 0
G4.17	Number of environmental studies to inform future periods	EC01D, EC01G, EC06C, EC08C, EC10D, EC10E, EC10H, EC21, LA01, S, WR1A, S	130	14	3.1	1	No.	I	104 130 130 130 10 11 12 32 10 10 11 22 0 0 0 0 0 0 0 0
G4.18	Number of improvements required by the Compliance Assessment Scheme, odour reduction and sludge management	EC08A, EC23A, LA01, WQ01D, WQ01E	38	15	2.2	1	No.	I	15 18 38 38 10 11 12 13 6 7 9 11 4 5 6 10
G4.19	2010-15 outputs planned to complete in the 2015-21 period	EC16, WG4, WR1	16	21	4.0	1	No.	I	15 15 15 15 8 9 12 12 5 7 12 12 0 0 1 7 0 0 0 0
G4.20	Number of improvements to dams to meet the requirements of the Flood Risk Management Act	WR6	45	26	0.7	1	No.	I	45 45 45 45 0 45 45 45 0 0 0 8 0 0 0 8

Q&SIV Enhancements - Supporting Economic Development - OMD Outputs									
Line Ref.	Output	Drivers	Total No Outputs	OMG Programme Group	OMD Weighting %	Milestone Stage	Units	Field Type	
2015/16									
2016/17									
2017/18									
2018/19									
2019/20									
2020/21									
2015-21									
G4.21	Number of climate change vulnerability assessments	CC3S, CC4S, CC4W, CC5S, CC7S	122	17	1.7	1	No.	I	111 115 115 115 3 55 59 59 0 0 0 4 0 0 0 0
G4.22	Improvements in renewable power and energy efficiency	I2S, WNI, I2S, WWINI	17.5	16	2.0	1	Gwh	I	7.92 7.92 7.92 17.5 0.42 0.42 0.42 1.64 0.42 0.42 0.42 1.64

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SECTION G: INVESTMENT MONITORING
Table G5: Growth

Line No.	Line Title	Units	Field Type	10	20	30	40	50	60	70
				Report Year 2015-16	Forecast Year 2016-17	Forecast Year 2017-18	Forecast Year 2018-19	Forecast Year 2019-20	Forecast Year 2020-21	Forecast Post 2021
Growth expenditure (gross)										
G5.1	Expenditure for reasonable cost contributions - household - water	£m	I	8.313	7.537	4.899	0.089	0.089	0.089	0.000
G5.2	Expenditure for reasonable cost contributions - non-household - water	£m	I	-0.016	0.021	0.007	0.000	0.000	0.000	0.000
G5.3	Total expenditure on reasonable cost contributions - water	£m	C	8.297	7.558	4.906	0.089	0.089	0.089	-
G5.4	Expenditure for reasonable cost contributions - household - wastewater	£m	I	8.655	11.475	11.444	0.228	0.228	0.228	0.000
G5.5	Expenditure for reasonable cost contributions - non-household - wastewater	£m	I	0.000	0.001	0.001	0.000	0.000	0.000	0.000
G5.6	Total expenditure on reasonable cost contributions - wastewater	£m	C	8.655	11.476	11.445	0.228	0.228	0.228	-
G5.7	Total expenditure on reasonable cost Contributions - water and wastewater	£m	C	16.952	19.034	16.351	0.317	0.317	0.317	-
G5.8	Expenditure on Part 3 strategic capacity - water	£m	I	0.852	0.453	0.196	6.213	6.135	5.891	0.000
G5.9	Expenditure on Part 3 strategic capacity - wastewater	£m	I	1.426	0.078	0.022	5.324	5.229	5.229	0.000
G5.10	Total expenditure on Part 3 strategic capacity - water and wastewater	£m	C	2.278	0.531	0.218	11.538	11.363	11.120	-
G5.11	Expenditure on Part 4 assets - water	£m	I	1.262	4.578	2.226	1.892	1.895	3.110	0.000
G5.12	Expenditure on Part 4 assets - wastewater	£m	I	7.142	7.908	9.786	0.915	1.077	2.857	0.000
G5.13	Total expenditure on Part 4 assets - water and wastewater	£m	C	8.404	12.486	12.012	2.807	2.972	5.968	-
G5.14	Total gross expenditure on growth - (RCC + Part 3 strategic capacity + Part 4)	£m	C	27.634	32.051	28.581	14.662	14.652	17.404	-
Service Relocations										
G5.15	Service Relocations Water	£m	I	15.039	11.269	3.603	1.489	0.932	0.809	-
G5.16	Service Relocations Wastewater	£m	I	4.805	4.863	3.266	0.074	0.025	0.024	-
G5.17	Service Relocations Water Contributions	£m	I	-10.757	-9.155	-2.927	-1.210	-	0.657	-
G5.18	Service Relocations Wastewater Contributions	£m	I	-5.592	-4.506	-3.026	-0.068	-	0.022	-
G5.19	Net Service Relocations	£m	C	3.495	2.472	0.916	0.285	0.177	0.154	0.000
Growth income (Infrastructure charge)										
G5.20	Water household infrastructure charge income	£m	I	6.508	6.508	6.899	7.658	8.041	8.845	-
G5.21	Water non-household infrastructure charge income	£m	I	0.189	0.189	0.201	0.223	0.234	0.257	-
G5.22	Wastewater household infrastructure charge income	£m	I	5.094	5.094	5.399	5.993	6.293	6.922	-
G5.23	Wastewater non-household infrastructure charge income	£m	I	0.077	0.077	0.082	0.091	0.096	0.106	-
G5.24	Total infrastructure charge income	£m	C	11.868	11.868	12.581	13.965	14.663	16.130	0.000
Growth expenditure (net of income)										
G5.25	Total net growth expenditure	£m	C	19.260	22.655	16.916	0.981	0.165	1.428	-
Growth - properties and populations										
G5.26	Number of new household properties connected to the water network	Nr	I	19,244	19,244	20,399	22,643	23,775	26,153	-
G5.27	Number of new non-household properties connected to the water network	Nr	I	559	559	593	658	691	760	-
G5.28	Total number of new properties connected to the water network	Nr	C	19,803	19,803	20,992	23,301	24,466	26,913	-
G5.29	Number of new household properties connected to the wastewater network	Nr	I	15,061	15,061	15,965	17,721	18,607	20,468	-
G5.30	Number of new non-household properties connected to the wastewater network	Nr	I	229	229	243	270	284	312	-
G5.31	Total number of new properties connected to the wastewater network	Nr	C	15,290	15,290	16,208	17,991	18,891	20,780	-
G5.32	Number of new household properties receiving reasonable cost contributions - water	Nr	I	14,393	13,050	8,483	154	154	154	-
G5.33	Number of new non-household properties receiving reasonable cost contributions - water	Nr	I	-	-	-	-	-	-	-
G5.34	Total number of properties receiving reasonable cost contributions - water part 2 & 3	Nr	C	14,393	13,050	8,483	154	154	154	-
G5.35	Number of new household properties receiving reasonable cost contributions - wastewater	Nr	I	11,211	14,864	14,824	295	295	295	-
G5.36	Number of new non-household properties receiving reasonable cost contributions - wastewater	Nr	I	-	-	-	-	-	-	-
G5.37	Total number of properties receiving reasonable cost contributions - wastewater part 2 & 3	Nr	C	11,211	14,864	14,824	295	295	295	-
G5.38	Number of household property infrastructure charge payments - water	Nr	I	19,244	19,244	20,399	22,643	23,775	26,153	-
G5.39	Number of non-household property infrastructure charge payments - water	Nr	I	559	559	593	658	691	760	-
G5.40	Total number of infrastructure charge payments - water	Nr	C	19,803	19,803	20,992	23,301	24,466	26,913	-
G5.41	Number of household property infrastructure charge payments - wastewater	Nr	I	15,061	15,061	15,965	17,721	18,607	20,468	-
G5.42	Number of non-household property infrastructure charge payments - wastewater	Nr	I	229	229	243	270	284	312	-
G5.43	Total number of property infrastructure charge - wastewater	Nr	C	15,290	15,290	16,208	17,991	18,891	20,780	-
G5.44	Additional population equivalent served from new part 4 investment - water	Pe	I	-	14,644	388	33,000	-	-	-
G5.45	Additional population equivalent served from new part 4 investment - wastewater	Pe	I	1,351	880	26,546	24,956	14,926	-	-

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