

**SECTION G: INVESTMENT MONITORING**  
**Table G1: Summary - Investment**

Line Ref.	Description	Units	Field Type	10	20	30	40	50	60	70	80	90
				Report Year Pre 2015	Actual Report Year 2015-16	Actual Report Year 2016-17	Forecast Report Year 2017-18	Forecast Report Year 2018-19	Forecast Report Year 2019-20	Forecast Report Year 2020-21	Forecast Post 2021	Forecast Total Financed in SR15-21
<b>Capital Maintenance</b>												
G1.01	Water Service Infrastructure	£m	I	0.000	81.239	115.751	118.093	99.476	111.392	122.542	0.000	648.493
G1.02	Water Service Non-Infrastructure	£m	I	0.000	72.184	74.242	60.149	121.280	134.660	156.256	0.000	618.772
G1.03	Wastewater Service Infrastructure	£m	I	0.000	31.110	40.247	41.938	47.437	45.098	31.855	0.000	237.685
G1.04	Wastewater Service Non-Infrastructure	£m	I	0.000	49.148	58.615	69.074	65.812	61.059	41.504	0.000	345.212
G1.05	Management and General	£m	I	0.000	27.917	52.244	67.234	35.323	25.156	15.661	0.000	223.534
G1.06	<b>Total Capital Maintenance</b>	<b>£m</b>	<b>C</b>	<b>0.000</b>	<b>261.598</b>	<b>341.098</b>	<b>356.487</b>	<b>369.328</b>	<b>377.365</b>	<b>367.819</b>	<b>0.000</b>	<b>2073.695</b>
<b>Growth</b>												
G1.07	Growth in the Water Network	£m	I	0.000	3.312	6.072	9.012	14.307	11.756	12.156	0.000	56.615
G1.08	Growth in the Wastewater Network	£m	I	0.000	8.628	9.058	11.955	8.646	7.927	7.621	0.000	53.836
G1.09	Water Reasonable Cost Contributions	£m	I	0.000	8.297	7.222	4.931	0.000	0.000	0.000	0.000	20.450
G1.10	Wastewater Reasonable Cost Contributions	£m	I	0.000	8.655	10.430	13.922	0.000	0.000	0.000	0.000	33.007
G1.11	Service Relocations Water	£m	I	0.000	15.039	12.404	11.825	4.828	1.529	0.296	0.000	45.920
G1.12	Service Relocations Wastewater	£m	I	0.000	4.805	4.961	5.356	1.153	0.012	0.012	0.000	16.300
G1.13	<b>Total Growth Expenditure</b>	<b>£m</b>	<b>C</b>	<b>0.000</b>	<b>48.736</b>	<b>50.146</b>	<b>57.001</b>	<b>28.934</b>	<b>21.225</b>	<b>20.086</b>	<b>0.000</b>	<b>226.128</b>
<b>Q&amp;SIV Enhancement Expenditure</b>												
G1.14	Improving drinking water quality compliance and reliability	£m	I	9.291	17.818	45.997	59.488	103.137	83.030	10.205	5.938	334.904
G1.15	Improving drinking water availability and resilience of service	£m	I	3.316	10.831	14.409	26.707	34.657	23.970	24.147	0.655	138.693
G1.16	Protecting and enhancing the environment	£m	I	8.927	14.931	24.281	33.807	72.232	96.830	84.587	7.101	342.696
G1.17	Reducing flooding and pollution from sewers	£m	I	21.156	24.288	15.675	18.243	25.523	38.584	33.559	0.352	177.380
G1.18	Improving the customer experience	£m	I	0.929	1.989	6.502	7.034	4.775	3.574	1.381	0.000	26.182
G1.19	Climate Change	£m	I	0.235	0.156	0.416	1.024	1.208	0.283	0.021	0.000	3.343
G1.20	Reducing long term cost of service	£m	I	2.941	4.783	4.445	5.635	3.487	4.198	3.921	0.000	29.410
G1.21	<b>Total Q&amp;SIV Enhancement Expenditure</b>	<b>£m</b>	<b>C</b>	<b>46.795</b>	<b>74.796</b>	<b>111.724</b>	<b>151.938</b>	<b>245.019</b>	<b>250.469</b>	<b>157.821</b>	<b>14.046</b>	<b>1052.608</b>
<b>Q&amp;SIV Enhancement - IR18</b>												
G1.22	Total remaining IR18 Unallocated Investment	£m	I	0.000	0.000	0.725	4.146	47.207	77.175	172.786	382.277	684.315
<b>Q&amp;SIIIa &amp; Q&amp;SIIIb Completion Expenditure</b>												
G1.23	Total OMG180 Completion Expenditure	£m	I	0.000	72.408	96.171	39.991	29.986	9.859	14.675	0.000	263.091
G1.24	Total Non OMG180 Completion Expenditure	£m	I	0.000	4.176	26.846	20.437	6.526	1.907	2.265	0.000	62.157
G1.25	<b>Total Completion Expenditure</b>	<b>£m</b>	<b>C</b>	<b>0.000</b>	<b>76.584</b>	<b>123.017</b>	<b>60.428</b>	<b>36.512</b>	<b>11.766</b>	<b>16.941</b>	<b>0.000</b>	<b>325.248</b>
<b>Q&amp;SV Early Start</b>												
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
<b>Total Additional Operating Expenditure</b>												
G1.27	Additional Operating Expenditure from Capital Maintenance	£m	I	0.000	0.976	0.759	2.256	0.497	0.088	0.060	0.078	4.715
G1.28	Additional Operating Expenditure from Water Growth	£m	I	0.000	0.000	0.026	0.000	0.046	0.006	0.000	0.000	0.077
G1.29	Additional Operating Expenditure from Wastewater Growth	£m	I	0.000	0.000	0.000	0.388	0.069	0.000	0.000	0.000	0.457
G1.30	Additional Operating Expenditure from Improving drinking water quality compliance and reliability	£m	I	0.000	0.000	0.000	-0.034	-0.161	0.015	0.023	0.023	-0.133
G1.31	Additional Operating Expenditure from Improving drinking water availability and resilience of service	£m	I	0.000	0.000	0.000	0.001	0.023	0.000	0.000	0.000	0.024
G1.32	Additional Operating Expenditure from Protecting and enhancing the environment	£m	I	0.000	0.000	0.000	0.017	0.032	0.001	0.000	0.000	0.049
G1.33	Additional Operating Expenditure from Reducing flooding and pollution from sewers	£m	I	0.000	0.005	0.000	0.010	0.008	0.000	0.000	0.000	0.024
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	0.000	-0.065	-0.101	0.000	0.000	0.000	-0.166
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	0.201	0.634	0.298	0.332	0.063	0.046	0.000	1.620
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	<b>Total Additional Operating Expenditure</b>	<b>£m</b>	<b>C</b>	<b>0.000</b>	<b>1.182</b>	<b>1.419</b>	<b>2.872</b>	<b>0.745</b>	<b>0.173</b>	<b>0.129</b>	<b>0.147</b>	<b>6.667</b>
<b>Grants and Capital Contributions</b>												
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	7.053	5.156	5.661	6.944	6.716	0.000	42.286
G1.46	Contributions to service relocations - Wastewater	£m	I	0.000	5.591	2.821	2.344	1.339	0.056	0.284	0.000	12.436
G1.47	"Infrastructure charge" contributions for infrastructure assets	£m	I	0.000	1.710	14.871	20.743	9.155	6.347	4.030	0.000	56.856
G1.48	<b>Total Capital Contributions</b>	<b>£m</b>	<b>C</b>	<b>0.000</b>	<b>18.058</b>	<b>24.745</b>	<b>28.243</b>	<b>16.155</b>	<b>13.347</b>	<b>11.030</b>	<b>0.000</b>	<b>111.578</b>
<b>Expenditure Totals</b>												
G1.49	Capital Maintenance Expenditure	£m	C	0.000	261.598	341.098	356.487	369.328	377.365	367.819	0.000	2073.695
G1.50	Growth Expenditure	£m	C	0.000	48.736	50.146	57.001	28.934	21.225	20.086	0.000	226.128
G1.51	Q&SIV Enhancement Expenditure	£m	C	46.795	74.796	112.449	156.084	292.226	327.644	330.606	396.323	1736.923
G1.52	Q&SIIIa & Q&SIIIb Enhancement Expenditure	£m	C	0.000	76.584	123.017	60.428	36.512	11.766	16.941	0.000	325.248
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	626.711	630.000	727.000	738.000	735.452	396.323	4361.995
G1.55	Total Capital Contributions	£m	C	0.000	18.058	24.745	28.243	16.155	13.347	11.030	0.000	111.578
G1.56	<b>Net Capital Investment</b>	<b>£m</b>	<b>C</b>	<b>46.795</b>	<b>443.656</b>	<b>601.966</b>	<b>601.757</b>	<b>710.845</b>	<b>724.653</b>	<b>724.422</b>	<b>396.323</b>	<b>4250.417</b>
G1.57	Total Additional Operating Expenditure	£m	C	0.000	1.182	1.419	2.872	0.745	0.173	0.129	0.147	6.667

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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	Actual 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
<b>Drinking Water Quality Indicators</b>																				
G3.1	Number of failing zones for iron	Nr	I	n/a	n/a	16	n/a	21	n/a	18	n/a		n/a		n/a		n/a			
G3.2	Number of failing zones for manganese	Nr	I	n/a	n/a	14	n/a	11	n/a	7	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	33	n/a		n/a		n/a		n/a			
G3.4	Number of Customer Contacts relating to Taste	Nr	I	5000	n/a	2671	5000	2691	5000	2526	5000		5000		5000		5000			
G3.5	Number of Customer Contacts relating to Discolouration	Nr	I	10000	n/a	9211	10000	6325	10000	5973	10000		10000		10000		10000			
<b>Environment Serviceability Indicators</b>																				
G3.6	Number of failing WWTW	Nr	I	5	18	3	5	6	5	4	5		5		5		5			
G3.7	Number of sludge treatment facilities improved to comply with safe sludge matrix	Nr	I	n/a	2	2	n/a	8	n/a	8	8		8		8		8			
G3.8	Maximum number of UIDs	Nr	I	n/a	n/a	791	n/a	761	n/a	738	n/a		n/a		n/a		n/a			
G3.9	Number of pollution incidents	Nr	I	330	548	249	330	260	330	239	330		330		330		330			
G3.10	Total number of Pollution incidents (sewerage)	Nr	I	n/a	n/a	249	329	257	329	238	329		329		329		329			
G3.11	Serious pollution incidents (sewerage) Cat 1 & 2	Nr	I	n/a	n/a	8	13	10	13	12	13		13		13		13			
G3.12	Serious pollution incidents (water) Cat 1	Nr	I	n/a	n/a	1	1	3	1	1	1		1		1		1			
G3.13	Discharge permit compliance	%	I	n/a	n/a	99.49%	n/a	98.98%	n/a	99.32%	n/a		n/a		n/a		n/a			
G3.14	Satisfactory sludge disposal	%	I	100%	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	352	n/a		n/a		n/a		n/a			
<b>Customer Service Serviceability Indicators</b>																				
G3.16	Properties on the low pressure register	Nr	I	100	240	46	100	47	100	45	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	648	<1,000		<1,000		<1,000		<1,000			
G3.17a	Properties with unplanned interruptions to supply > 6 hrs	Nr	I	13000	n/a	n/a	13000	6434	13000	6027	13000		13000		13000		13000			
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	0.2607	n/a		n/a		n/a		n/a			
G3.19	Bursts per 1,000km of mains	Nr	I	n/a	n/a	188	n/a	140	n/a	137	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	315/381	370		370		370		370			
G3.21	Properties internally flooded due to other causes	Nr	I	n/a	1270	367	n/a	389	n/a	328	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	121	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	241	n/a		n/a		n/a		n/a			
G3.24	Properties at risk of external sewer flooding	Nr	I	<5,000	n/a	3708	<5,000	3693	<5,000	3699	<5,000		<5,000		<5,000		<5,000			
G3.25	Incidents of external sewer flooding due to other causes	Nr	I	13000	n/a	10768	13000	9981	13000	8565	13000		13000		13000		13000			
G3.26	Incidents of external sewer flooding due to overloaded sewers	Nr	I	400	n/a	227	400	349	400	159	400		400		400		400			
G3.27	The Overall Satisfaction level (from the customer service questionnaire)	%	I	n/a	>78%	92%	n/a	90%	n/a	90.7%	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	2	n/a		n/a		n/a		n/a			
G3.29	The number of telephone contacts relating to drinking water quality	Nr	I	n/a	<24,168	14150	n/a	11667	n/a	10563	n/a		n/a		n/a		n/a			
G3.30	The Overall Performance Assessment (OPA) Score (In Year Value)	Nr	I	380-385	380	400	380	393	381	398	382		383		384		385			
G3.31	The Overall Performance Assessment (OPA) Score (Period Average)	Nr	I	383	n/a	370	383	393	383	396	383		383		383		383			
G3.32	The average annual level of leakage	Ml/d	I	575,000	600	544	575,000	500	575,000	494,758	575,000		575,000		575,000		575,000			
G3.33	Household Customer Experience Measure (HCEM)	Nr	I	>82.60	n/a	82.60	>82.60	84.32	>82.60	85.88	>82.60		>82.60		>82.60		>82.60			
G3.34	Non-Household Customer Experience Measure (nHHCEM)	Nr	I	n/a	n/a	n/a	n/a	n/a	n/a	83.92	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	76.40%	n/a		n/a		n/a		n/a			
G3.36	Wholesale Key Performance Indicator (KPI's)	%	I	95.00%	95.00%	92.00%	95.00%	90.96%	95.00%	91.92%	95.00%		95.0%		95.0%		95.0%			
<b>Resilience of supply</b>																				
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	86.80%	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	82.20%	n/a		n/a		n/a		n/a			
<b>Asset Serviceability Indicators</b>																				
G3.39	Asset Health Index: Water resources			n/a	n/a	n/a	n/a	0.617	n/a	0.617	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	0.755	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	0.786	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	0.754	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	0.755	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	0.813	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	0.540	n/a	0.541	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	0.551	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	0.586	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**

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
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
G4.1	Number of water treatment works improved	DW2, DW3B, DW3C, DW23, DW25, DW25P, DW25T	27	1	11.6	1	No.	I	15	18	20	25	26	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
G4.2	Number of zones made compliant with iron & manganese standards	DW5	88	2	5.6	1	No.	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	5.4	1	No.	I	4	5	6	17	21	23	28	36	40	42	45	45	46	47	47	47	47	47	47	47	47	47	47	47	47
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	28	40	41	60	61	75	75	82	82	82	82	82	82	82	82	82	82	82	82	82	82
G4.5	Distribution mains cleaned (km)	DW25D, DW25FS	5,928	5	6.2	2	Km	I	0	478.2	1667.07	2603.12	3027.25	5203.93	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57	5927.57
G4.6	Water supply resilience strategy and improvements made	CS16WR	18	6	6.5	1	No.	I	2	4	6	11	11	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
G4.7	Number of zones with improved security of supply (SOSI)	WG4	11	7	2.9	1	No.	I	2	2	3	5	5	5	7	8	9	9	9	9	11	11	11	11	11	11	11	11	11	11	11	11	11
G4.8	Number of security measures and improvements to the infrastructure of critical reservoirs	DW9A, DW9D, DW9F, DW9H	689	8	4.2	1	No.	I	633	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689	689
G4.9	Number of water quality etc studies to inform future periods	CS16S, DW2, S, DW25FS, DW25TS, DW3C, S, S.	344	18	1.9	2	No.	I	235	343	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344	344
G4.10	2010-15 outputs planned to complete in the 2015-21 period	DW5, DW13, DW23, DW25	22	19	4.3	2	No.	I	13	14	16	18	18	18	19	19	20	21	21	21	22	22	22	22	22	22	22	22	22	22	22	22	22

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
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
G4.11	Number of WWTWs improved to meet UWWTD	EC01A, EC10A	25	9	7.6	1	No.	I	21	22	22	22	22	22	23	23	23	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
G4.12	Number of waste water networks improved to meet UWWTD	CS11, EC01B, EC01C, EC01F, EC10B	60	10	6.9	3	No.	I	41	41	42	42	42	42	42	43	43	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
G4.13	Number of improvements required to meet UWWTD - Glasgow completion	EC01B, EC04B, EC10B	94	20	18.1	1	No.	I	38	38	38	56	56	60	63	63	65	69	71	72	72	73	77	90	94	94	94	94	94	94	94	94	94
G4.14	Number of improvements required to meet the Water Framework Directive	EC10A, WR1, WR2A	21	11	0.4	1	No.	I	1	1	1	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
G4.15	Number of revised Bathing Waters Directive studies	EC16, EC16A, EC16B	11	12	1.2	1	No.	I	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218	218
G4.17	Number of environmental studies to inform future periods	EC01D, EC01G, EC08C, EC08C, EC10D, EC10E, EC10H, EC21, LA01 S, WR1A,	130	14	3.1	1	No.	I	102	127	127	127	127	127	127	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130
G4.18	Number of improvements required by the Compliance Assessment Scheme, odour reduction and sludge management	EC08A, EC23A, LA01, WQ01D, WQ01E	42	15	2.3	1	No.	I	14	17	37	37	38	38	39	39	41	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
G4.19	2010-15 outputs planned to complete in the 2015-21 period	EC16, WG4, WR1	15	21	3.3	1	No.	I	8	9	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
G4.20	Number of improvements to dams to meet the requirements of the Flood Risk Management Act	WR6	57	26	0.7	1	No.	I	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57

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
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
									1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
G4.21	Number of climate change vulnerability assessments	CC3S, CC4S, CC4W, CC5S, CC7S	122	17	1.7	1	No.	I	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115	115
G4.22	Improvements in renewable power and energy efficiency	I2S, WNI, I2S, WNI	17.50	16	2.6	1.00	Gwh	I	2.18	12.60	12.60	12.60	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81	12.81

Prepared by: ..... Date: .....  
 Checked by: ..... Date: .....  
 Authorised by: Mark Dickson Date: 9th June 2017

**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	Report Year 2016-17	Forecast Year 2017-18	Forecast Year 2018-19	Forecast Year 2019-20	Forecast Year 2020-21	Forecast Post 2021
<b>Growth expenditure (gross)</b>										
G5.1	Expenditure for reasonable cost contributions - household - water	£m	I	8.313	7.228	4.928	0.000	0.000	0.000	0.000
G5.2	Expenditure for reasonable cost contributions - non-household - water	£m	I	-0.016	-0.005	0.003	0.000	0.000	0.000	0.000
G5.3	Total expenditure on reasonable cost contributions - water	£m	C	8.297	7.222	4.931	0.000	-	-	-
G5.4	Expenditure for reasonable cost contributions - household - wastewater	£m	I	8.655	10.384	13.921	0.000	0.000	0.000	0.000
G5.5	Expenditure for reasonable cost contributions - non-household - wastewater	£m	I	0.000	0.046	0.001	0.000	0.000	0.000	0.000
G5.6	Total expenditure on reasonable cost contributions - wastewater	£m	C	8.655	10.430	13.922	-	-	-	-
G5.7	Total expenditure on reasonable cost Contributions - water and wastewater	£m	C	16.952	17.652	18.853	0.000	-	-	-
G5.8	Expenditure on Part 3 strategic capacity - water	£m	I	0.902	1.122	4.771	11.067	10.152	9.091	0.000
G5.9	Expenditure on Part 3 strategic capacity - wastewater	£m	I	1.387	2.844	1.230	7.796	7.629	7.629	0.000
G5.10	Total expenditure on Part 3 strategic capacity - water and wastewater	£m	C	2.289	3.966	6.001	18.863	17.781	16.720	-
G5.11	Expenditure on Part 4 assets - water	£m	I	2.409	4.950	4.241	3.241	1.604	3.065	0.000
G5.12	Expenditure on Part 4 assets - wastewater	£m	I	7.242	6.213	10.725	0.850	0.299	-0.007	0.000
G5.13	Total expenditure on Part 4 assets - water and wastewater	£m	C	9.651	11.164	14.966	4.090	1.902	3.058	0.000
G5.14	Total gross expenditure on growth - (RCC + Part 3 strategic capacity + Part 4)	£m	C	28.892	32.782	39.821	22.953	19.683	19.778	0.000
<b>Service Relocations</b>										
G5.15	Service Relocations Water	£m	I	15.039	12.404	11.825	4.828	1.529	0.296	-
G5.16	Service Relocations Wastewater	£m	I	4.805	4.961	5.356	1.153	0.012	0.012	-
G5.17	Service Relocations Water Contributions	£m	I	-10.757	-7.053	-5.156	-5.661	6.944	6.716	-
G5.18	Service Relocations Wastewater Contributions	£m	I	-5.591	-2.821	-2.344	-1.339	0.056	0.284	-
G5.19	Net Service Relocations	£m	C	3.496	7.490	9.681	-1.019	-5.458	-6.692	0.000
<b>Growth income (Infrastructure charge)</b>										
G5.20	Water household infrastructure charge income	£m	I	6.508	7.506	6.311	7.683	8.397	9.055	-
G5.21	Water non-household infrastructure charge income	£m	I	0.189	0.213	0.225	0.225	0.225	0.225	-
G5.22	Wastewater household infrastructure charge income	£m	I	5.094	6.428	5.189	6.317	6.903	7.445	-
G5.23	Wastewater non-household infrastructure charge income	£m	I	0.077	0.058	0.075	0.075	0.075	0.075	-
G5.24	Total infrastructure charge income	£m	C	11.868	14.204	11.800	14.300	15.600	16.800	0.000
<b>Growth expenditure (net of income)</b>										
G5.25	Total net growth expenditure	£m	C	20.519	26.068	37.701	7.634	1.375	3.714	0.000
<b>Growth - properties and populations</b>										
G5.26	Number of new household properties connected to the water network	Nr	I	19,244	22,214	20,399	22,643	23,775	26,153	-
G5.27	Number of new non-household properties connected to the water network	Nr	I	559	630	593	658	691	760	-
G5.28	Total number of new properties connected to the water network	Nr	C	19,803	22,844	20,992	23,301	24,466	26,913	-
G5.29	Number of new household properties connected to the wastewater network	Nr	I	15,061	19,022	15,965	17,721	18,607	20,468	-
G5.30	Number of new non-household properties connected to the wastewater network	Nr	I	229	171	243	270	284	312	-
G5.31	Total number of new properties connected to the wastewater network	Nr	C	15,290	19,193	16,208	17,991	18,891	20,780	-
G5.32	Number of new household properties receiving reasonable cost contributions - water	Nr	I	14,393	15,914	9,929	-	-	-	-
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	15,914	9,929	-	-	-	-
G5.35	Number of new household properties receiving reasonable cost contributions - wastewater	Nr	I	11,211	12,961	17,881	-	-	-	-
G5.36	Number of new non-household properties receiving reasonable cost contributions - wastewater	Nr	I	-	57	-	-	-	-	-
G5.37	Total number of properties receiving reasonable cost contributions - wastewater part 2 & 3	Nr	C	11,211	13,018	17,881	-	-	-	-
G5.38	Number of household property infrastructure charge payments - water	Nr	I	19,244	22,214	20,399	22,643	23,775	26,153	-
G5.39	Number of non-household property infrastructure charge payments - water	Nr	I	559	630	593	658	691	760	-
G5.40	Total number of infrastructure charge payments - water	Nr	C	19,803	22,844	20,992	23,301	24,466	26,913	-
G5.41	Number of household property infrastructure charge payments - wastewater	Nr	I	15,061	19,022	15,965	17,721	18,607	20,468	-
G5.42	Number of non-household property infrastructure charge payments - wastewater	Nr	I	229	171	243	270	284	312	-
G5.43	Total number of property infrastructure charge - wastewater	Nr	C	15,290	19,193	16,208	17,991	18,891	20,780	-
G5.44	Additional population equivalent served from new part 4 investment - water	Pe	I	-	14,509	-	388	33,000	-	-
G5.45	Additional population equivalent served from new part 4 investment - wastewater	Pe	I	1,351	792	502	27,775	30,913	11,274	-