

## **Amendment to our 2017/18 Annual Report and Annual Performance Report and 2017/18 Cost Assessment tables**

### **Non-SEMD enhancement expenditure:**

Following revised guidance issued by Ofwat on 6 July 2018, which was post publication of our 2017/18 Annual Report and Annual Performance Report and 2017/18 Cost Assessment tables, we have amended table 4M of the 2017/18 cost assessment to align with PR19 guidance as requested. This change to table 4M has also resulted in changes to table 4E on page 218 of the 2017/18 Annual Report and Annual Performance Report and table 4K of the 2017/18 Cost Assessment. We have presented the updated tables below, as well as the tables as previously published. We have highlighted the specific numbers that have been amended.

Table 4E (page 218) of the 2017/18 Annual Report and Annual Performance Report) – restated

#### **4E. Totex analysis – wholesale wastewater**

For the year ended 31 March 2018

Table 4E provides information about the different activities undertaken as part of delivering upstream services with a breakdown of the total expenditure for carrying out the supply of sewerage services.

	Network+ Sewage collection			Network+ Sewage treatment			Sludge			Total £m
	Foul £m	Surface water drainage £m	Highway drainage £m	Sewage treatment and disposal £m	Imported sludge liquor treatment £m	Sludge transport £m	Sludge treatment £m	Sludge disposal £m		
<b>Operating expenditure</b>										
Power	6.9	2.2	1.3	54.2	—	—	(13.8)	—	50.8	
Income treated as negative expenditure	(0.1)	—	—	—	—	—	(9.6)	(0.8)	(10.5)	
Discharge consents	1.2	0.4	0.2	3.5	—	—	0.1	—	5.4	
Bulk discharge	—	—	—	2.4	—	—	0.1	—	2.5	
<b>Other operating expenditure</b>										
Renewals expensed in year (Infrastructure)	46.0	14.6	8.4	—	—	—	—	—	69.0	
Renewals expensed in year (Non-Infrastructure)	—	—	—	—	—	—	—	—	—	
Other operating expenditure excluding renewals	56.7	15.6	7.3	109.9	0.8	11.1	50.0	19.2	270.6	
Local authority and Cumbro rates	—	—	—	28.5	—	—	9.0	0.9	38.4	
<b>Total operating expenditure excluding third party services</b>	<b>110.7</b>	<b>32.8</b>	<b>17.2</b>	<b>198.5</b>	<b>0.8</b>	<b>11.1</b>	<b>35.8</b>	<b>19.3</b>	<b>426.2</b>	
Third party services	3.0	0.4	0.1	0.5	—	—	—	—	4.0	
<b>Total operating expenditure</b>	<b>113.7</b>	<b>33.2</b>	<b>17.3</b>	<b>199.0</b>	<b>0.8</b>	<b>11.1</b>	<b>35.8</b>	<b>19.3</b>	<b>430.2</b>	
<b>Capital expenditure</b>										
Maintaining the long term capability of the assets – Infra	70.8	—	—	—	—	—	—	—	70.8	
Maintaining the long term capability of the assets – non-infra	28.0	3.5	1.2	115.4	0.2	1.3	78.3	7.7	235.6	
Other capital expenditure – Infra	31.4	(1.6)	—	—	—	—	—	—	29.8	
Other capital expenditure – non-infra	4.3	0.1	0.1	137.4	—	—	(1.3)	—	140.6	
Infrastructure network reinforcement	3.8	3.5	—	—	—	—	—	—	7.3	
<b>Total gross capital expenditure (excluding third party)</b>	<b>138.3</b>	<b>5.5</b>	<b>1.3</b>	<b>252.8</b>	<b>0.2</b>	<b>1.3</b>	<b>77.0</b>	<b>7.7</b>	<b>484.1</b>	
Third party services	—	—	—	—	—	—	—	—	—	
<b>Total gross capital expenditure</b>	<b>138.3</b>	<b>5.5</b>	<b>1.3</b>	<b>252.8</b>	<b>0.2</b>	<b>1.3</b>	<b>77.0</b>	<b>7.7</b>	<b>484.1</b>	
Grants and contributions	34.8	0.1	—	0.6	—	—	—	—	35.5	
<b>Totex</b>	<b>217.2</b>	<b>38.6</b>	<b>18.6</b>	<b>451.2</b>	<b>1.0</b>	<b>12.4</b>	<b>112.8</b>	<b>27.0</b>	<b>878.8</b>	
<b>Cash expenditure</b>										
Pension deficit recovery payments	2.5	0.7	0.3	3.7	—	0.2	1.9	0.2	9.5	
Other cash items	—	—	—	—	—	—	—	—	—	
<b>Totex Including cash items</b>	<b>219.7</b>	<b>39.3</b>	<b>18.9</b>	<b>454.9</b>	<b>1.0</b>	<b>12.6</b>	<b>114.7</b>	<b>27.2</b>	<b>888.3</b>	
	Network+ Sewage collection			Network+ Sewage treatment			Sludge			
Unit cost information (operating expenditure)	Volume collected MI	Volume Collected MI	Volume Collected MI	BOD Tonnes	BOD Tonnes	Volume transported M3	Dried solid mass treated ttds	Dried solid mass disposed ttds		
Volume (MI)	702,657.7	325,096.8	179,347.8	354,102.6	8,391.8	1,384,487.2	366.2	365.2		
Unit cost (£/MI)	161.8	102.1	96.5	562.4	91.3	8.0	97,853.8	52,715.1		
Population ('000s)	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	
Unit cost (£/population)	7.6	2.2	1.2	13.3	0.1	0.7	2.4	1.3		

Table 4E – as previously published

#### 4E. Totex analysis – wholesale wastewater

For the year ended 31 March 2018

Table 4E provides information about the different activities undertaken as part of delivering upstream services with a breakdown of the total expenditure for carrying out the supply of sewerage services.

	Network+ Sewage collection			Network+ Sewage treatment			Sludge			Total £m
	Foul £m	Surface water drainage £m	Highway drainage £m	Sewage treatment and disposal £m	Imported sludge/liquor treatment £m	Sludge transport £m	Sludge treatment £m	Sludge disposal £m		
<b>Operating expenditure</b>										
Power	6.9	2.2	1.3	54.2	–	–	(13.8)	–	–	50.8
Income treated as negative expenditure	(0.1)	–	–	–	–	–	(9.6)	(0.8)	–	(10.5)
Discharge consents	1.2	0.4	0.2	3.5	–	–	0.1	–	–	5.4
Bulk discharge	–	–	–	2.4	–	–	0.1	–	–	2.5
<b>Other operating expenditure</b>										
Renewals expensed in year (Infrastructure)	46.0	14.6	8.4	–	–	–	–	–	–	69.0
Renewals expensed in year (Non-Infrastructure)	–	–	–	–	–	–	–	–	–	–
Other operating expenditure excluding renewals	56.7	15.6	7.3	109.9	0.8	11.1	50.0	19.2	270.6	270.6
Local authority and Cumulo rates	–	–	–	28.5	–	–	9.0	0.9	38.4	38.4
<b>Total operating expenditure excluding third party services</b>	<b>110.7</b>	<b>32.8</b>	<b>17.2</b>	<b>198.5</b>	<b>0.8</b>	<b>11.1</b>	<b>35.8</b>	<b>19.3</b>	<b>426.2</b>	
Third party services	3.0	0.4	0.1	0.5	–	–	–	–	–	4.0
<b>Total operating expenditure</b>	<b>113.7</b>	<b>33.2</b>	<b>17.3</b>	<b>199.0</b>	<b>0.8</b>	<b>11.1</b>	<b>35.8</b>	<b>19.3</b>	<b>430.2</b>	
<b>Capital expenditure</b>										
Maintaining the long term capability of the assets – infra	70.8	–	–	–	–	–	–	–	–	70.8
Maintaining the long term capability of the assets – non-infra	28.4	3.6	1.3	115.8	0.2	1.3	78.5	7.7	236.8	236.8
Other capital expenditure – infra	31.4	(1.6)	–	–	–	–	–	–	–	29.8
Other capital expenditure – non-infra	3.9	–	–	137.0	–	–	(1.5)	–	–	139.4
Infrastructure network reinforcement	3.8	3.5	–	–	–	–	–	–	–	7.3
<b>Total gross capital expenditure (excluding third party)</b>	<b>138.3</b>	<b>5.5</b>	<b>1.3</b>	<b>252.8</b>	<b>0.2</b>	<b>1.3</b>	<b>77.0</b>	<b>7.7</b>	<b>484.1</b>	
Third party services	–	–	–	–	–	–	–	–	–	–
<b>Total gross capital expenditure</b>	<b>138.3</b>	<b>5.5</b>	<b>1.3</b>	<b>252.8</b>	<b>0.2</b>	<b>1.3</b>	<b>77.0</b>	<b>7.7</b>	<b>484.1</b>	
Grants and contributions	34.8	0.1	–	0.6	–	–	–	–	–	35.5
<b>Totex</b>	<b>217.2</b>	<b>38.6</b>	<b>18.6</b>	<b>451.2</b>	<b>1.0</b>	<b>12.4</b>	<b>112.8</b>	<b>27.0</b>	<b>878.8</b>	
<b>Cash expenditure</b>										
Pension deficit recovery payments	2.5	0.7	0.3	3.7	–	0.2	1.9	0.2	–	9.5
Other cash items	–	–	–	–	–	–	–	–	–	–
<b>Totex including cash items</b>	<b>219.7</b>	<b>39.3</b>	<b>18.9</b>	<b>454.9</b>	<b>1.0</b>	<b>12.6</b>	<b>114.7</b>	<b>27.2</b>	<b>888.3</b>	
Unit cost information (operating expenditure)										
	Volume collected Ml	Volume Collected Ml	Volume Collected Ml		800 Tonnes	800 Tonnes	Volume transported M3	Dried solid mass treated ttds	Dried solid mass disposed ttds	
Volume (Ml)	702,657.7	325,096.8	179,347.8	354,102.6	8,391.8	1,384,487.2	366.2	365.2		
Unit cost (£/Ml)	161.8	102.1	96.5	562.4	91.3	8.0	97,853.8	52,715.1		
Population ('000s)	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	15,018.3	
Unit cost (£/population)	7.6	2.2	1.2	13.3	0.1	0.7	2.4	1.3		

Table 4K of the 2017/18 Cost Assessment - restated

Atypical expenditure by business unit for the 12 months ended 31 March 2018 - wholesale wastewater

	Foul £m	Surface water drainage £m	Highway drainage £m	Network+ Sewage collection Sewage treatment and disposal £m	Sewage treatment and disposal £m	Sludge liquor treatment £m	Sludge transport £m	Sludge treatment £m	Sludge disposal £m	Total £m
<b>Operating expenditure (excl. atypicals)</b>										
Power	6.862	2.184	1.257	54.193	0.000	(0.005)	(13.833)	0.038	50.696	
Income treated as negative expenditure	(0.084)	(0.027)	(0.015)	(0.039)	0.000	0.000	(9.632)	(0.793)	(10.590)	
Discharge consents	1.163	0.364	0.205	3.530	0.004	0.003	0.068	0.004	5.341	
Bulk Discharge	0.000	0.000	0.000	2.390	0.000	0.009	0.096	0.001	2.496	
<b>Other operating expenditure</b>										
- Renewals expensed in year (Infrastructure)	45.965	14.603	8.419	0.000	0.000	0.000	0.000	0.000	68.987	
- Renewals expensed in year (Non-Infrastructure)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
- Other operating expenditure excluding renewals	56.173	15.502	7.250	109.143	0.758	10.982	49.799	19.023	268.630	
Local authority and Cumulo rates	0.000	0.000	0.000	28.538	0.000	0.000	9.005	0.851	38.394	
<b>Total operating expenditure excluding third party services</b>	<b>110.079</b>	<b>32.626</b>	<b>17.116</b>	<b>197.755</b>	<b>0.762</b>	<b>10.989</b>	<b>35.503</b>	<b>19.124</b>	<b>423.954</b>	
Third party services	3.026	0.396	0.105	0.478	0.000	0.016	0.049	0.027	4.097	
<b>Total Operating Expenditure</b>	<b>113.105</b>	<b>33.022</b>	<b>17.221</b>	<b>198.233</b>	<b>0.762</b>	<b>11.005</b>	<b>35.552</b>	<b>19.151</b>	<b>428.051</b>	
<b>Capital expenditure (excl. atypicals)</b>										
Maintaining the long term capability of the assets - infra	70.798	(0.002)	0.004	0.000	0.000	0.000	0.000	0.000	70.800	
Maintaining the long term capability of the assets - non-infra	28.021	3.515	1.226	115.451	0.216	1.246	78.233	7.676	236.776	
Other capital expenditure - infra	31.374	(1.623)	0.000	0.000	0.000	0.000	0.000	0.000	29.751	
Other capital expenditure - non-infra	4.330	0.103	0.049	137.360	0.000	0.011	(1.280)	0.002	139.382	
Infrastructure network reinforcement	3.838	3.471	0.000	0.011	0.000	0.000	0.000	0.000	7.320	
<b>Total gross capital expenditure (excluding third party)</b>	<b>138.361</b>	<b>5.464</b>	<b>1.279</b>	<b>252.822</b>	<b>0.216</b>	<b>1.257</b>	<b>76.952</b>	<b>7.678</b>	<b>484.029</b>	
Third party services	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	
<b>Total gross capital expenditure</b>	<b>138.401</b>	<b>5.464</b>	<b>1.279</b>	<b>252.822</b>	<b>0.216</b>	<b>1.257</b>	<b>76.952</b>	<b>7.678</b>	<b>484.069</b>	
Grants and contributions	34.822	0.040	0.000	0.612	0.000	0.000	0.000	0.000	35.474	
<b>Totex</b>	<b>216.684</b>	<b>38.446</b>	<b>18.500</b>	<b>450.443</b>	<b>0.978</b>	<b>12.262</b>	<b>112.504</b>	<b>26.829</b>	<b>876.646</b>	
<b>Cash expenditure (excl. atypicals)</b>										
Pension deficit recovery payments	2.482	0.691	0.313	3.708	0.037	0.163	1.880	0.165	9.439	
Other cash items	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
<b>Totex including cash items</b>	<b>219.166</b>	<b>39.137</b>	<b>18.813</b>	<b>454.151</b>	<b>1.015</b>	<b>12.425</b>	<b>114.384</b>	<b>26.994</b>	<b>886.085</b>	
<b>Atypical expenditure</b>										
Restructuring costs	0.576	0.168	0.088	0.896	0.004	0.060	0.284	0.104	2.180	
<b>Total atypical expenditure</b>	<b>0.576</b>	<b>0.168</b>	<b>0.088</b>	<b>0.896</b>	<b>0.004</b>	<b>0.060</b>	<b>0.284</b>	<b>0.104</b>	<b>2.180</b>	
<b>Total expenditure</b>	<b>219.742</b>	<b>39.305</b>	<b>18.901</b>	<b>455.047</b>	<b>1.019</b>	<b>12.485</b>	<b>114.668</b>	<b>27.098</b>	<b>888.265</b>	

Table 4K – as previously published

Atypical expenditure by business unit for the 12 months ended 31 March 2018 - wholesale wastewater										
	Network+ Sewage collection			Network+ Sewage treatment			Sludge			Total
	Foul	Surface water drainage	Highway drainage	Sewage treatment and disposal	Sludge liquor treatment	Sludge transport	Sludge treatment	Sludge disposal		
	£m	£m	£m	£m	£m	£m	£m	£m	£m	
<b>Operating expenditure (excl. atypicals)</b>										
Power	6.862	2.184	1.257	54.193	0.000	(0.005)	(13.833)	0.038	50.696	
Income treated as negative expenditure	(0.084)	(0.027)	(0.015)	(0.039)	0.000	0.000	(9.632)	(0.793)	(10.590)	
Discharge consents	1.163	0.364	0.205	3.530	0.004	0.003	0.068	0.004	5.341	
Bulk Discharge	0.000	0.000	0.000	2.390	0.000	0.009	0.096	0.001	2.496	
<b>Other operating expenditure</b>										
- Renewals expensed in year (Infrastructure)	45.965	14.603	8.419	0.000	0.000	0.000	0.000	0.000	68.987	
- Renewals expensed in year (Non-Infrastructure)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
- Other operating expenditure excluding renewals	56.173	15.502	7.250	109.143	0.758	10.982	49.799	19.023	268.630	
Local authority and Cumulo rates	0.000	0.000	0.000	28.538	0.000	0.000	9.005	0.851	38.394	
<b>Total operating expenditure excluding third party services</b>	<b>110.079</b>	<b>32.626</b>	<b>17.116</b>	<b>197.755</b>	<b>0.762</b>	<b>10.989</b>	<b>35.503</b>	<b>19.124</b>	<b>423.954</b>	
Third party services	3.026	0.396	0.105	0.478	0.000	0.016	0.049	0.027	4.097	
<b>Total Operating Expenditure</b>	<b>113.105</b>	<b>33.022</b>	<b>17.221</b>	<b>198.233</b>	<b>0.762</b>	<b>11.005</b>	<b>35.552</b>	<b>19.151</b>	<b>428.051</b>	
<b>Capital expenditure (excl. atypicals)</b>										
Maintaining the long term capability of the assets - infra	70.798	(0.002)	0.004	0.000	0.000	0.000	0.000	0.000	70.800	
Maintaining the long term capability of the assets - non-infra	28.439	3.614	1.275	115.842	0.216	1.257	78.455	7.678	236.776	
Other capital expenditure - infra	31.374	(1.623)	0.000	0.000	0.000	0.000	0.000	0.000	29.751	
Other capital expenditure - non-infra	3.912	0.004	0.000	136.969	0.000	(0.000)	(1.503)	(0.000)	139.382	
Infrastructure network reinforcement	3.838	3.471	0.000	0.011	0.000	0.000	0.000	0.000	7.320	
<b>Total gross capital expenditure (excluding third party)</b>	<b>138.361</b>	<b>5.464</b>	<b>1.279</b>	<b>252.822</b>	<b>0.216</b>	<b>1.257</b>	<b>76.952</b>	<b>7.678</b>	<b>484.029</b>	
Third party services	0.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	
<b>Total gross capital expenditure</b>	<b>138.401</b>	<b>5.464</b>	<b>1.279</b>	<b>252.822</b>	<b>0.216</b>	<b>1.257</b>	<b>76.952</b>	<b>7.678</b>	<b>484.069</b>	
Grants and contributions	34.822	0.040	0.000	0.612	0.000	0.000	0.000	0.000	35.474	
<b>Totex</b>	<b>216.684</b>	<b>38.446</b>	<b>18.500</b>	<b>450.443</b>	<b>0.978</b>	<b>12.262</b>	<b>112.504</b>	<b>26.829</b>	<b>876.646</b>	
<b>Cash expenditure (excl. atypicals)</b>										
Pension deficit recovery payments	2.482	0.691	0.313	3.708	0.037	0.163	1.880	0.165	9.439	
Other cash items	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
<b>Totex including cash items</b>	<b>219.166</b>	<b>39.137</b>	<b>18.813</b>	<b>454.151</b>	<b>1.015</b>	<b>12.425</b>	<b>114.384</b>	<b>26.994</b>	<b>886.085</b>	
<b>Atypical expenditure</b>										
Restructuring costs	0.576	0.168	0.088	0.896	0.004	0.060	0.284	0.104	2.180	
<b>Total atypical expenditure</b>	<b>0.576</b>	<b>0.168</b>	<b>0.088</b>	<b>0.896</b>	<b>0.004</b>	<b>0.060</b>	<b>0.284</b>	<b>0.104</b>	<b>2.180</b>	
<b>Total expenditure</b>	<b>219.742</b>	<b>39.305</b>	<b>18.901</b>	<b>455.047</b>	<b>1.019</b>	<b>12.485</b>	<b>114.668</b>	<b>27.098</b>	<b>888.265</b>	

Table 4M of the 2017/18 Cost Assessment - restated

Enhancement capital expenditure by purpose for the 12 months ended 31st March 2018 - wholesale wastewater

	Expenditure in report Year								Cumulative expenditure on schemes completed in the report year								Total £m	
	Network+ Sewage Collection			Network+ Sewage treatment		Sludge			Total £m	Network+ Sewage Collection			Network+ Sewage Treatment		Sludge			
	Foul	Surface water drainage	Highway drainage	Sewage treatment and disposal	Sludge liquor treatment	Sludge transport	Sludge treatment	Sludge distribution		Foul	Surface water drainage	Highway Drainage	Sewage treatment and disposal	Sludge liquor treatment	Sludge transport	Sludge treatment		
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
<b>Enhancement capital expenditure by purpose</b>																		
First time sewerage (s101A)	0.481	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.481	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Sludge enhancement (quality)	0.000	0.000	0.000	0.000	0.000	0.000	(0.008)	0.000	(0.008)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Sludge enhancement (growth)	0.000	0.000	0.000	0.000	0.000	0.000	(0.000)	(1.495)	0.000	(1.495)	0.000	0.000	0.000	0.000	0.469	0.000	0.469	
NEP - Conservation drivers	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Eels Regulations (measures at outfalls)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Event Duration Monitoring at intermittent discharges	1.239	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.239	0.752	0.000	0.000	0.000	0.000	0.000	0.000	0.752	
NEP - Flow monitoring at sewage treatment works	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Monitoring of pass forward flows at CSOs	0.459	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.459	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Schemes to increase flow to full treatment	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Schemes to increase storm tank capacity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Storage schemes to reduce spill frequency at CSOs, storm tanks, etc.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Chemicals monitoring/ investigations/ options appraisals	0.000	0.000	0.000	2.591	0.000	0.000	0.000	0.000	2.591	0.000	0.000	0.000	3.213	0.000	0.000	0.000	3.213	
NEP - National phosphorus removal technology investigations	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Groundwater schemes	0.048	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Investigations	0.000	0.000	0.000	2.112	0.000	0.000	0.000	0.000	2.112	0.000	0.000	0.000	3.071	0.000	0.000	0.000	3.071	
NEP - Nutrients (N removal)	0.000	0.000	0.000	(0.000)	0.000	0.000	0.000	0.000	(0.000)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Nutrients (P removal at activated sludge STWs)	0.000	0.000	0.000	10.123	0.000	0.000	0.000	0.000	10.123	0.000	0.000	12.789	0.000	0.000	0.000	12.789		
NEP - Nutrients (P removal at filter bed STWs)	0.000	0.000	0.000	8.951	0.000	0.000	0.000	0.000	8.951	0.000	0.000	10.291	0.000	0.000	0.000	10.291		
NEP - Reduction of sanitary parameters	0.000	0.000	0.000	70.994	0.000	0.000	0.000	0.000	70.994	0.000	0.000	22.701	0.000	0.000	0.000	22.701		
NEP - UV disinfection (or similar)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
NEP - Discharge relocation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
NEP - Flow 1 schemes	0.000	0.000	0.000	1.202	0.000	0.000	0.000	0.000	1.202	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Odour	0.000	0.000	0.000	9.746	0.000	0.000	0.001	(0.000)	9.747	0.000	0.000	4.596	0.000	0.000	0.000	4.596		
New development and growth	14.140	1.772	0.000	0.000	0.000	0.000	0.000	0.000	15.912	9.973	1.084	0.000	0.000	0.000	0.000	11.057		
Growth at sewage treatment works (excluding sludge treatment)	0.000	0.000	0.000	27.074	0.000	0.000	0.000	0.000	27.074	0.000	0.000	1.144	0.000	0.000	0.000	1.144		
Resilience	0.000	0.000	0.000	1.129	0.000	0.000	0.000	0.000	1.129	0.000	0.000	0.547	0.000	0.000	0.254	0.801		
SEMD	(0.015)	0.000	0.000	3.252	0.000	(0.000)	0.000	(0.000)	3.238	0.000	0.000	9.666	0.000	0.000	0.000	9.666		
Reduce flooding risk for properties	14.916	0.063	0.000	(0.033)	0.000	0.000	0.000	0.000	14.947	6.698	0.066	0.000	0.000	0.000	0.000	0.000	6.764	
Quality spend at CSOs and quality allocation to Deephams inlet works	0.285	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.285	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Tideway quality (NEP). Excludes Lee Tunnel and sludge.	(0.002)	0.000	0.000	(0.278)	0.000	0.000	0.000	0.000	(0.279)	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Lee Tunnel	7.629	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.629	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
Non-SEMD related security enhancement	0.361	0.106	0.049	0.464	0.000	0.011	0.221	0.002	1.216	0.311	0.111	0.049	0.575	0.000	0.011	0.221	0.002	
<b>Total enhancement capital expenditure</b>	<b>39.542</b>	<b>1.951</b>	<b>0.049</b>	<b>137.371</b>	<b>0.000</b>	<b>0.011</b>	<b>(1.280)</b>	<b>0.002</b>	<b>177.646</b>	<b>17.734</b>	<b>1.261</b>	<b>0.049</b>	<b>68.594</b>	<b>0.000</b>	<b>0.011</b>	<b>0.944</b>	<b>0.002</b>	
																	<b>88.595</b>	

Please note: Due to the addition of the new line 'non-SEMD related security enhancement' as required by Ofwat, the apportionment of certain overheads across all lines has also changed and therefore, there are slight variations in new values reported.

Table 4M – as previously published

	Enhancement capital expenditure by purpose for the 12 months ended 31st March 2018 - wholesale wastewater																	
	Expenditure in report Year										Cumulative expenditure on schemes completed in the report year							
	Network+ Sewage Collection			Network+ Sewage treatment		Sludge			Total	Network+ Sewage Collection			Network+ Sewage Treatment		Sludge		Total	
	Foul	Surface water drainage	Highway drainage	Highway	disposal	Sewage treatment and	Sludge liquor treatment	Sludge transport		Foul	Surface water drainage	Highway Drainage	Sludge liquor treatment	Sludge	Sludge treatment	Sludge distribution		
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
<strong>Enhancement capital expenditure by purpose</strong>																		
First time sewage (S101a)	0.480	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.480	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Sludge enhancement (quality)	0.000	0.000	0.000	0.000	0.000	0.000	(0.008)	0.000	(0.008)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Sludge enhancement (growth)	0.000	0.000	0.000	0.000	0.000	(0.000)	(1.496)	0.000	(1.496)	0.000	0.000	0.000	0.000	0.000	0.468	0.000	0.468	
NEP - Conservation drivers	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Eels Regulations (measures at outfalls)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Event Duration Monitoring at intermittent discharges	1.237	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.237	0.747	0.000	0.000	0.000	0.000	0.000	0.000	0.747	
NEP - Flow monitoring at sewage treatment works	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Monitoring of pass forward flows at CSOs	0.459	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.459	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Schemes to increase flow to full treatment	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Schemes to increase storm tank capacity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Storage schemes to reduce spill frequency at CSOs, storm tanks, etc.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Chemicals monitoring / investigations / options appraisals	0.000	0.000	0.000	2.592	0.000	0.000	0.000	0.000	2.592	0.000	0.000	0.000	3.222	0.000	0.000	0.000	3.222	
NEP - National phosphorus removal technology investigations	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Groundwater schemes	0.047	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Investigations	0.000	0.000	0.000	2.113	0.000	0.000	0.000	0.000	2.113	0.000	0.000	0.000	3.079	0.000	0.000	0.000	3.079	
NEP - Nutrients (N removal)	0.000	0.000	0.000	(0.000)	0.000	0.000	0.000	0.000	(0.000)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Nutrients (P removal at activated sludge STWs)	0.000	0.000	0.000	10.128	0.000	0.000	0.000	0.000	10.128	0.000	0.000	0.000	12.824	0.000	0.000	0.000	12.824	
NEP - Nutrients (P removal at filter bed STWs)	0.000	0.000	0.000	8.955	0.000	0.000	0.000	0.000	8.955	0.000	0.000	0.000	10.319	0.000	0.000	0.000	10.319	
NEP - Reduction of sanitary parameters	0.000	0.000	0.000	71.032	0.000	0.000	0.000	0.000	71.032	0.000	0.000	0.000	22.762	0.000	0.000	0.000	22.762	
NEP - UV disinfection (or similar)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Discharge relocation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
NEP - Flow 1 schemes	0.000	0.000	0.000	1.203	0.000	0.000	0.000	0.000	1.203	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Odour	0.000	0.000	0.000	9.752	0.000	0.000	0.001	(0.000)	9.753	0.000	0.000	0.000	4.609	0.000	0.000	0.000	4.609	
New development and growth	14.120	1.779	0.000	0.000	0.000	0.000	0.000	0.000	15.898	9.912	1.095	0.000	0.000	0.000	0.000	0.000	11.007	
Growth at sewage treatment works (excluding sludge treatment)	0.000	0.000	0.000	27.088	0.000	0.000	0.000	0.000	27.088	0.000	0.000	0.000	1.147	0.000	0.000	0.000	1.147	
Resilience	0.000	0.000	0.000	1.130	0.000	0.000	0.000	0.000	1.130	0.000	0.000	0.000	0.549	0.000	0.000	0.253	0.802	
SEMD	(0.015)	0.000	0.000	3.254	0.000	(0.000)	0.000	(0.000)	3.239	0.000	0.000	0.000	9.693	0.000	0.000	0.000	9.693	
Reduce flooding risk for properties	14.895	0.063	0.000	(0.033)	0.000	0.000	0.000	0.000	14.925	6.657	0.067	0.000	0.000	0.000	0.000	0.000	6.723	
Quality spend at CSOs and quality allocation to Deephams inlet works	0.285	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.285	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Tideway quality (NEP). Excludes Lee Tunnel and sludge.	(0.002)	0.000	0.000	(0.278)	0.000	0.000	0.000	0.000	(0.279)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Lee Tunnel	7.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
<strong>Total enhancement capital expenditure</strong>	<strong>39.124</strong>	<strong>1.852</strong>	<strong>0.000</strong>	<strong>136.980</strong>	<strong>0.000</strong>	<strong>(0.000)</strong>	<strong>(1.503)</strong>	<strong>(0.000)</strong>	<strong>176.453</strong>	<strong>17.316</strong>	<strong>1.162</strong>	<strong>0.000</strong>	<strong>68.203</strong>	<strong>0.000</strong>	<strong>0.000</strong>	<strong>0.721</strong>	<strong>0.000</strong>	<strong>87.402</strong>

**Table 4Q:**

Following publication of table 4Q in our cost assessment files, a transcription error was highlighted in line 4Q.2 'Residential properties billed for measured water (not external meter)'. We have updated this in our cost assessment files as follows:

**Table 4Q of the 2017/18 Cost Assessment - restated****Non-financial data - Properties, population and other for the 12 months ended 31 March 2018 - wholesale water**

	<b>Units</b>	<b>Input</b>
<b>Properties and population</b>		
Residential properties billed for measured water (external meter)	000's	1081.56918
<b>Residential properties billed for measured water (not external meter)</b>	<b>000's</b>	<b>267.02082</b>
Business properties billed for measured water	000's	163.379
Residential properties billed for unmeasured water	000's	2117.4765
Business properties billed for unmeasured water	000's	35.801
Total business connected properties at year end	000's	218.953
Total residential properties at year end	000's	3607.469
Total connected properties at year end	000's	3826.422
Number of residential meters renewed	000's	19.11
Number of business meters renewed	000's	0.553
Number of meter installed at request of optants	000's	16.559
Number of selective meters installed	000's	98.053
Total number of new business connections	000's	2.883
Total number of new residential connections	000's	36.028
Total population served	000's	10012.827
Number of business meters (billed properties)	000's	198.784
Number of residential meters (billed properties)	000's	1486.352
Company Area	km <sup>2</sup>	8008
<b>Other</b>		
Number of lead communication pipes replaced for water quality	nr	7591
Total supply side enhancements to the supply demand balance (dry year critical / peak conditions)	MI/d	0
Total supply side enhancements to the supply demand balance (dry year annual average conditions)	MI/d	0
Total demand side enhancements to the supply demand balance (dry year critical / peak conditions)	MI/d	8.71
Total demand side enhancements to the supply demand balance (dry year annual average conditions)	MI/d	4.25
Energy consumption - network plus	kWh	418037.138
Energy consumption - water resources	kWh	140141.027
Energy consumption - wholesale	kWh	558178.165
Peak factor	%	1.1245
Mean zonal compliance	%	0.9996
Volume of leakage above or below the sustainable economic level	MI/d	74.75

**Table 4Q – as previously published****Pro forma 4Q****Non-financial data - Properties, population and other for the 12 months ended 31 March 2018 - wholesale water**

	<b>Units</b>	<b>Input</b>
<b>Properties and population</b>		
Residential properties billed for measured water (external meter)	000's	1081.56918
<b>Residential properties billed for measured water (not external meter)</b>	<b>000's</b>	<b>367.02082</b>
Business properties billed for measured water	000's	163.379
Residential properties billed for unmeasured water	000's	2117.4765
Business properties billed for unmeasured water	000's	35.801
Total business connected properties at year end	000's	218.953
Total residential properties at year end	000's	3607.469
Total connected properties at year end	000's	3826.422
Number of residential meters renewed	000's	19.11
Number of business meters renewed	000's	0.553
Number of meter installed at request of optants	000's	16.559
Number of selective meters installed	000's	98.053
Total number of new business connections	000's	2.883
Total number of new residential connections	000's	36.028
Total population served	000's	10012.827
Number of business meters (billed properties)	000's	198.784
Number of residential meters (billed properties)	000's	1486.352
Company Area	km <sup>2</sup>	8008
<b>Other</b>		

Number of lead communication pipes replaced for water quality	nr	7591
Total supply side enhancements to the supply demand balance (dry year critical / peak conditions)	ML/d	0
Total supply side enhancements to the supply demand balance (dry year annual average conditions)	ML/d	0
Total demand side enhancements to the supply demand balance (dry year critical / peak conditions)	ML/d	8.71
Total demand side enhancements to the supply demand balance (dry year annual average conditions)	ML/d	4.25
Energy consumption - network plus	kWh	418037.138
Energy consumption - water resources	kWh	140141.027
Energy consumption - wholesale	kWh	558178.165
Peak factor	%	1.1245
Mean zonal compliance	%	0.9996
Volume of leakage above or below the sustainable economic level	ML/d	74.75

**Table 4O:**

Following publication of table 4O in our cost assessment files, the following revisions were made to ensure consistency with previously reported data. We have updated this in our cost assessment files as follows:

**Table 4O of the 2017/18 Cost Assessment – restated**

**Pro forma 4O**

**Wholesale wastewater service - Large sewage treatment works for the 12 months ended 31 March 2018**

Sewage treatment works - Explanatory variables	Units		
		LITTLE MARLOW	NEWBURY
Works name	text		
Classification of treatment works	text	3A2	3A2
Population equivalent of total load received	0	184	89
Suspended solids consent	mg/l	15	30
BOD <sub>s</sub> consent	mg/l	9	10
Ammonia consent	mg/l	5	2
Phosphorus consent	mg/l	1	1
UV consent	mW/s/cm <sup>2</sup>	None	None
Load received by STW	kgBOD <sub>s</sub> /d	11,062.308	5,319.551
Flow passed to Full Treatment	m3/d	32,252.209	28,523.404

**Table 4O of the 2017/18 Cost Assessment – as previously published**

**Pro forma 4O**

**Wholesale wastewater service - Large sewage treatment works for the 12 months ended 31 March 2018**

Sewage treatment works - Explanatory variables	Units		
		LITTLE MARLOW	NEWBURY
Works name	text		
Classification of treatment works	text	3A2	3A2
Population equivalent of total load received	0	184	89
Suspended solids consent	mg/l	35	30
BOD <sub>s</sub> consent	mg/l	20	10
Ammonia consent	mg/l	5	2
Phosphorus consent	mg/l	1	2
UV consent	mW/s/cm <sup>2</sup>	None	None
Load received by STW	kgBOD <sub>s</sub> /d	11,062.308	5,319.551
Flow passed to Full Treatment	m3/d	32,252.209	28,523.404

We have also removed duplication within the cost assessment publication for our Hogsmill sewage treatment works.

## RORE Key drivers table:

Following publication of the RORE key drivers table in our 2017/18 Annual Performance Report (page 220), the following transposition error was highlighted. We have updated this in our published Annual Report and Annual Performance Report as follows:

### RORE Key drivers – restated

RORE key drivers	2015/16	2016/17	2017/18	Cumulative RORE (simple arithmetic average)
Base allowed return	5.63%	5.62%	5.61%	5.62%
Totex	(1.05%)	(2.07%)	(1.52%)	(1.54%)
ODIs	(0.25%)	(0.28%)	(0.61%)	(0.38%)
Exiting non-household retail market	0.00%	0.00%	1.17%	0.39%
Financing	(0.26%)	0.61%	1.97%	0.78%
<b>Actual RORE</b>	<b>4.07%</b>	<b>3.88%</b>	<b>6.63%</b>	<b>4.86%</b>

### RORE Key drivers – as previously published

RORE key drivers	2015/16	2016/17	2017/18	Cumulative RORE (simple arithmetic average)
Base allowed return	5.63%	5.62%	5.61%	5.62%
Totex	(1.50%)	(2.07%)	(1.52%)	(1.54%)
ODIs	(0.25%)	(0.28%)	(0.61%)	(0.38%)
Exiting non-household retail market	0.00%	0.00%	1.17%	0.39%
Financing	(0.26%)	0.61%	1.97%	0.78%
<b>Actual RORE</b>	<b>4.07%</b>	<b>3.88%</b>	<b>6.63%</b>	<b>4.86%</b>

### Tables 4V & 4W:

Following publication of tables 4V & 4W in our cost assessment files, we have restated our employment costs to remove the effect of a non-employment cost which was incorrectly mapped to employment cost in our original submission for 2017/18; please see details below:

### Table 4V of the 2017/18 Cost Assessment – restated

Item	Other expenditure for the 12 months ended 31 March 2018 wholesale water				Total
	Water resources	Raw water distribution	Water treatment	Treated water distribution	
<b>Employment costs - directly allocated</b>	<b>5.042</b>	<b>0.433</b>	<b>15.850</b>	<b>24.142</b>	<b>45.467</b>
Employment costs - indirectly allocated	3.892	0.317	8.605	33.861	46.675
Number FTEs consistent with 4V.9 above	134.237	7.180	476.396	359.080	976.893
Number FTEs consistent with 4V.10 above	93.406	10.676	157.775	981.098	1,242.955
Costs associated with Traffic Management Act	0.000	0.000	0.000	12.022	12.022
<b>Service Charges</b>					
Canal & River Trust abstraction charges/ discharge consents	0.368				0.368
Environment Agency abstraction charges/ discharge consents	12.749				12.749
Other abstraction charges/ discharge consents	0.000				0.000
Statutory water softening	0.000	0.000	0.000	0.000	0.000

### Table 4V of the 2017/18 Cost Assessment – as previously published

Item	Other expenditure for the 12 months ended 31 March 2018 wholesale water				Total
	Water resources	Raw water distribution	Water treatment	Treated water distribution	
Employment costs - directly allocated	7.471	0.357	23.721	20.537	52.086
Employment costs - indirectly allocated	5.199	0.531	7.856	56.111	69.697
Number FTEs consistent with 4V.9 above	134.237	7.180	476.396	359.080	976.893
Number FTEs consistent with 4V.10 above	93.406	10.676	157.775	981.098	1,242.955

Costs associated with Traffic Management Act	0.000	0.000	0.000	12.022	<b>12.022</b>
<b>Service Charges</b>					
Canal & River Trust abstraction charges/ discharge consents	0.368				<b>0.368</b>
Environment Agency abstraction charges/ discharge consents	12.749				<b>12.749</b>
Other abstraction charges/ discharge consents	0.000				<b>0.000</b>
Statutory water softening	0.000	0.000	0.000	0.000	<b>0.000</b>

#### Table 4W:

Following publication of table 4W in our cost assessment files, we have restated our employment cost as follows:

**Table 4W of the 2017/18 Cost Assessment – restated**

Item	Other expenditure for the 12 months ended 31 March 2018 Wholesale wastewater			<b>Total</b>
	Network Plus Sewage Collection	Network Plus Sewage Treatment	Sludge	
Employment costs - directly allocated	18.712	27.181	11.870	<b>57.763</b>
Employment costs - indirectly allocated	12.817	13.283	8.153	<b>34.253</b>
Number FTEs consistent with 4W.17 above	557.269	711.382	416.295	<b>1,684.947</b>
Number FTEs consistent with 4W.18 above	355.823	270.721	162.620	<b>789.164</b>
Costs associated with Traffic Management Act	1.546	0.000	0.000	<b>1.546</b>
Costs associated with Industrial Emissions Directive	0.000	0.000	0.113	<b>0.113</b>
<b>Service Charges</b>				
Canal & River Trust discharge consents	0.854	0.000	0.000	<b>0.854</b>
Environment Agency discharge consents	0.573	3.448	0.000	<b>4.022</b>
Other discharge charges / permits	0.307	0.130	0.033	<b>0.470</b>

**Table 4W of the 2017/18 Cost Assessment – as previously published**

Item	Other expenditure for the 12 months ended 31 March 2018 Wholesale wastewater			<b>Total</b>
	Network Plus Sewage Collection	Network Plus Sewage Treatment	Sludge	
Employment costs - directly allocated	30.852	37.492	17.161	<b>85.504</b>
Employment costs - indirectly allocated	19.699	14.268	6.704	<b>40.670</b>
Number FTEs consistent with 4W.17 above	557.269	711.382	416.295	<b>1,684.947</b>
Number FTEs consistent with 4W.18 above	355.823	270.721	162.620	<b>789.164</b>
Costs associated with Traffic Management Act	1.546	0.000	0.000	<b>1.546</b>
Costs associated with Industrial Emissions Directive	0.000	0.000	0.113	<b>0.113</b>
<b>Service Charges</b>				
Canal & River Trust discharge consents	0.854	0.000	0.000	<b>0.854</b>
Environment Agency discharge consents	0.573	3.448	0.000	<b>4.022</b>
Other discharge charges / permits	0.307	0.130	0.033	<b>0.470</b>

#### Table 4P:

Following publication of table 4P in our cost assessment files, we have published the restatements highlighted below. This restatement has arisen because an immaterial length of main (less than 1% of total mains length in 2017/18) had been incorrectly allocated based on age.

**Table 4P of the 2017/18 Cost Assessment – restated**

Water distribution			
Total length of potable mains as at 31 March	km	31460.6	
Total length of mains relined	km	0.3	
Total length of mains renewed	km	126.19	
Total length of new mains	km	122.8	

Potable water mains (<320mm)	km	28422.7
Potable water mains 320mm - 450mm	km	927.9
Potable water mains 450mm - 610mm	km	1046.5
Potable water mains > 610mm	km	1063.4
Total length of non-potable and partially treated main for supplying customers	km	3.9
Total length of non-potable and partially treated main for treatment	km	0
Capacity of booster pumping stations	kW	114349
Capacity of service reservoirs	MI	3259
Capacity of water towers	MI	18
Distribution input	MI/d	2680.88
Water delivered (non-potable)	MI/d	0
Water delivered (potable)	MI/d	2168.81
Water delivered (billed measured residential)	MI/d	493.12
Water delivered (billed measured business)	MI/d	481.82
Total leakage	MI/d	694.65
Distribution losses	MI/d	494.08
Water taken unbilled	MI/d	60.53
Number of lead communication pipes	nr	1231603.94
Number of galvanised iron communication pipes	nr	270382.85
Number of other communication pipes	nr	1057768.21
Number of boost pumping stations	nr	315
Total number of service reservoirs	nr	243
Number of water towers	nr	29
Total length of mains laid or structurally refurbished pre 1880	km	4734.7
Total length of mains laid or structurally refurbished between 1880 and 1900	km	3171.4
Total length of mains laid or structurally refurbished between 1901 and 1920	km	3917.8
Total length of mains laid or structurally refurbished between 1921 and 1940	km	5295.7
Total length of mains laid or structurally refurbished between 1941 and 1960	km	2855.4
Total length of mains laid or structurally refurbished between 1961 and 1980	km	4514.7
Total length of mains laid or structurally refurbished between 1981 and 2000	km	2845.7
Total length of mains laid or structurally refurbished post 2001	nr	4125.1
Average pumping head - distribution	m.hd	76.58

Table 4P of the 2017/18 Cost Assessment – as previously published

Water distribution		
Total length of potable mains as at 31 March	km	31460.6
Total length of mains relined	km	0.3
Total length of mains renewed	km	126.19
Total length of new mains	km	122.8
Potable water mains (<320mm)	km	28422.7
Potable water mains 320mm - 450mm	km	927.9
Potable water mains 450mm - 610mm	km	1046.5
Potable water mains > 610mm	km	1063.4
Total length of non-potable and partially treated main for supplying customers	km	3.9
Total length of non-potable and partially treated main for treatment	km	0
Capacity of booster pumping stations	kW	114349
Capacity of service reservoirs	MI	3259
Capacity of water towers	MI	18
Distribution input	MI/d	2680.88
Water delivered (non-potable)	MI/d	0
Water delivered (potable)	MI/d	2168.81
Water delivered (billed measured residential)	MI/d	493.12
Water delivered (billed measured business)	MI/d	481.82
Total leakage	MI/d	694.65
Distribution losses	MI/d	494.08
Water taken unbilled	MI/d	60.53
Number of lead communication pipes	nr	1231603.94
Number of galvanised iron communication pipes	nr	270382.85
Number of other communication pipes	nr	1057768.21
Number of boost pumping stations	nr	315
Total number of service reservoirs	nr	243
Number of water towers	nr	29
Total length of mains laid or structurally refurbished pre 1880	km	4761.7
Total length of mains laid or structurally refurbished between 1880 and 1900	km	3169.7
Total length of mains laid or structurally refurbished between 1901 and 1920	km	3926.7
Total length of mains laid or structurally refurbished between 1921 and 1940	km	5287.2
Total length of mains laid or structurally refurbished between 1941 and 1960	km	2870.8
Total length of mains laid or structurally refurbished between 1961 and 1980	km	4525.4
Total length of mains laid or structurally refurbished between 1981 and 2000	km	2889.2
Total length of mains laid or structurally refurbished post 2001	nr	4163.2
Average pumping head - distribution	m.hd	76.58