Pro forma 4B

| Northumbrian Water |
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| |

| Analysis of debt | | | | | | | | | | | | | | | | | | | | | |
|---|--|----------------------|-------------------|-------------------|---|------------------------------------|---------------------|---|---|----------------------------------|--------------------------|--------------------------|---------------|--------------|-------------------------|-------------------------------------|--------------------------------|------------------------------|-------------------------------|-----------------------------------|----------------------------|
| | | | | | | | | | Amount used to calculate | | | | | | | | | | | | |
| Line description | Instrument | Credit rating | Currency | Class/subordinati | Further | Instrument start date (if after | Years to maturity | Principal sum outstanding as at 31 March 2021 | nominal interest cost and cash interest payment | Years to maturity | Real RPI Coupon | Real CPI Coupon | Reference | Margin over | Nominal Interest | Nominal Interest Cost (Full year | Cash Interest Payment (Full | Unamortised debt issue costs | Value per balance sheet at | Fair value of debt at 31 March | |
| | identifier | | | on | information | 31/07/21) | | (excluding unamortised debt issue costs) | (might be equal or differ from principal sum | x principal sum | | | Interest Rate | market index | Rate | equivalent) | year equivalent | as at 31 March 2021 | 31 March 2021 | 2021 | RAG 4 reference |
| Units | Text | Text | Text | Text | Text | Date | Years | £m (nominal) | outstanding) £m (nominal) | £m (nominal) | % | % | % | % | % | £m (nominal) | £m (nominal) | £m (nominal) | £m (nominal) | £m (nominal) | |
| DPS Fixed rate instruments | 1 | * | • | • | • | dd/mm/yy | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | |
| Fixed rate instrument 1 Fixed rate instrument 2 Fixed rate instrument 3 | | | GBP GBP GBP | | Loan Loan Loan | | 0.0 4.0 8.0 | 10.000 37.241 32.143 | 10.000 37.241 32.143 | 0.000 148.964 257.144 | 3.51% 3.66% 1.73% | 3.98% 4.13% 2.19% | | | 5.03% 5.19% 3.23% | 0.503 1.931 1.037 | 0.503 1.931 1.037 | 0.000 0.000 0.013 | 10.000 37.241 32.130 | 10.000 49.489 39.218 | 48.1 48.2 48.3 |
| Fixed rate instrument 4 Fixed rate instrument 5 | | | GBP GBP | | Loan Finance lease | | 9.0 6.0 | 33.929 12.182 | 33.929 12.182 | 305.361 73.092 | 1.41% 3.97% | 1.86% 4.44% | | | 2.90% 5.50% | 0.983 0.670 | 0.983 0.670 | 0.013 0.000 | 33.915 12.182 | 40.846 12.182 | 48.4 48.5 |
| Fixed rate instrument 6 Fixed rate instrument 7 Fixed rate instrument 8 | XS0083567775 | BBB+ | GBP GBP | | Pinance lease Debentures Listed bond | | 65.0 32.0 1.0 | 2.453 0.007 350.000 | 2.453 0.007 350.000 | 159.445 0.224 350.000 | 1.24% 2.99% 5.33% | 1.69% 3.45% 5.80% | | | 2.72% 4.50% 6.88% | 0.067 0.000 24.063 | 0.067 0.000 24.063 | 0.000 0.000 -0.122 | 2.453 0.007 350.122 | 2.453 0.007 386.740 | 48.6 48.7 48.8 |
| Fixed rate instrument 9 Fixed rate instrument 10 Fixed rate instrument 11 | XS0159898153 XS0733486848 XS1499724638 | 888+ 888+ 888+ | GBP GBP GBP | | Listed bond Listed bond Listed bond | | 12.0 20.0 5.0 | 350.000 360.000 300.000 | 350.000 360.000 300.000 | 4200.000 7200.000 1500.000 | 4.10% 3.60% 0.15% | 4.57% 4.07% 0.61% | | | 5.63% 5.13% 1.63% | 19.688 18.450 4.875 | 19.688 18.450 4.875 | 2.620 14.700 1.343 | 347.380 345.300 298.657 | 487.680 529.711 305.415 | 48.9 48.10 |
| Fixed rate instrument 12 Fixed rate instrument 13 | XS1694779734 | 888+ | GBP GBP | | Listed bond NWG o/n loan | | 6.0 | 300.000 0.210 | 300.000 0.210 | 1800.000 | 0.89% | 1.35% 0.09% | | | 2.38% 1.10% | 7.125 0.002 | 7.125 0.002 | 1.999 | 298.001 0.210 | 79.445 0.210 | 48.11 48.12 48.13 |
| Fixed rate instrument 14 Fixed rate instrument 15 Fixed rate instrument 16 | | | | | | | | | | 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.14 48.15 48.16 |
| Fixed rate instrument 17 Fixed rate instrument 18 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | | 0.000 | 0.000 | | | | 48.17 48.18 |
| Fixed rate instrument 19 Fixed rate instrument 20 Fixed rate instrument 21 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.19 48.20 48.21 |
| Fixed rate instrument 22 Fixed rate instrument 23 Fixed rate instrument 24 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.22 48.23 48.24 |
| Fixed rate instrument 25 Fixed rate instrument 26 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | | 0.000 | 0.000 | | | | 48.25 48.26 |
| Fixed rate instrument 27 Fixed rate instrument 28 Fixed rate instrument 29 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.27 48.28 48.29 |
| Fixed rate instrument 30 Fixed rate instrument 31 Fixed rate instrument 32 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.30 48.31 48.32 |
| Fixed rate instrument 33 Fixed rate instrument 34 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | | 0.000 | 0.000 | | | | 48.33 48.34 |
| Fixed rate instrument 35 Fixed rate instrument 36 Fixed rate instrument 37 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.35 48.36 48.37 |
| Fixed rate instrument 38 Fixed rate instrument 39 Fixed rate instrument 40 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.38 48.39 48.40 |
| Fixed rate instrument 41 Fixed rate instrument 42 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | | 0.000 | 0.000 | | | | 48.41 48.42 |
| Fixed rate instrument 43 Fixed rate instrument 44 Fixed rate instrument 45 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.44 48.45 |
| Fixed rate instrument 46 Fixed rate instrument 47 Fixed rate instrument 48 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.46 48.47 |
| Fixed rate instrument 49 Fixed rate instrument 50 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | | 0.000 | 0.000 | | | | 48.49 48.50 |
| Fixed rate instrument 51 Fixed rate instrument 101 Fixed rate instrument 151 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.51 48.101 48.151 |
| Fixed rate instrument 200 Totals for fixed rate instruments | | | | | | | | 1788.165 | 1788.165 | 0.000 15994.230 | 0.00% | 0.00% | | | | 0.000 79.393 | 0.000 79.393 | 20.566 | 1767.598 | 1943.396 | 48.200 48.201 |
| Floating rate instruments Floating rate instrument 1 | | | GBP | | Loan | | 7.0 | 27.586 | 27.586 | 193.102 | 0.40% | 0.86% | 1.00% | 0.88% | 1.88% | 0.518 | 0.518 | 0.011 | 27.575 | 27.586 | 48.202 |
| Floating rate instrument 2 Floating rate instrument 3 Floating rate instrument 4 | | | GBP | | RCF | | 2.0 | 0.000 | 0.000 | 0.000 0.000 0.000 | -1.05% 0.00% 0.00% | -0.61% 0.00% 0.00% | 0.00% | 0.40% | 0.40% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 | 1.273 | -1.273 | 0.000 | 48.203 48.204 48.205 |
| Floating rate instrument 5 Floating rate instrument 6 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.206 48.207 |
| Floating rate instrument 7 Floating rate instrument 8 Floating rate instrument 9 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.208 48.209 48.210 |
| Floating rate instrument 10 Floating rate instrument 11 | | | | | | | | | | 0.000 | 0.00% | 0.00% 0.00% 0.00% | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.211 48.212 |
| Floating rate instrument 12 Floating rate instrument 13 Floating rate instrument 14 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.213 48.214 48.215 |
| Floating rate instrument 15 Floating rate instrument 16 Floating rate instrument 17 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.216 48.217 48.218 |
| Floating rate instrument 18 Floating rate instrument 19 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.219 48.220 |
| Floating rate instrument 20 Floating rate instrument 21 Floating rate instrument 22 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.221 48.222 48.223 |
| Floating rate instrument 23 Floating rate instrument 24 Floating rate instrument 25 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.224 48.225 48.226 |
| Floating rate instrument 26 Floating rate instrument 27 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.227 48.228 |
| Floating rate instrument 28 Floating rate instrument 29 Floating rate instrument 30 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.229 48.230 48.231 |
| Floating rate instrument 31 Floating rate instrument 32 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.232 48.233 |
| Floating rate instrument 33 Floating rate instrument 34 Floating rate instrument 35 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.234 48.235 48.236 |
| Floating rate instrument 36 Floating rate instrument 37 Floating rate instrument 38 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% 0.00% 0.00% | 0.00% 0.00% 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.237 48.238 |
| Floating rate instrument 39 Floating rate instrument 40 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.239 48.240 48.241 |
| Floating rate instrument 41 Floating rate instrument 42 Floating rate instrument 43 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.242 48.243 48.244 |
| Floating rate instrument 44 Floating rate instrument 45 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.245 48.246 |
| Floating rate instrument 46 Floating rate instrument 47 Floating rate instrument 48 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% 0.00% 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.247 48.248 48.249 |
| Floating rate instrument 49 Floating rate instrument 50 Floating rate instrument 51 | | | | | | | | | | 0.000 0.000 0.000 | 0.00% | 0.00% 0.00% 0.00% | | | 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.250 48.251 48.252 |
| Floating rate instrument 101 Floating rate instrument 151 | | | | | | | | | | 0.000 | 0.00% | 0.00% | | | 0.00% | 0.000 | 0.000 | | | | 48.302 48.352 |
| Floating rate instrument 200 Totals for floating rate instruments | | | | | | | | 27.586 | 27.586 | 0.000 193.102 | 0.00% | 0.00% | | | 0.00% | 0.000 0.518 | 0.000 | 1.284 | 26.302 | 27.586 | 48.401 48.402 |
| RPI linked instruments RPI linked instrument 1 RPI linked instrument 2 | | | GBP GBP | | Loan Loan | | 9.0 10.0 | 41.933 43.882 | 41.933 43.882 | 377.397 438.820 | 0.35% | | | | 1.83% | 0.765 0.818 | 0.147 | 0.029 | 41.904 43.882 | 41.933 43.882 | 48.403 48.404 |
| RPI linked instrument 3 RPI linked instrument 4 | | | GBP GBP GBP | | Loan Loan | | 4.0 6.0 22.0 | 170.774 110.340 47.774 | 170.774 110.340 47.774 | 683.096 662.040 1051.028 | 0.64% 0.78% 1.38% | | | | 2.12% 2.26% 2.87% | 3.620 2.493 | 1.095 0.859 0.660 | 0.034 0.020 0.167 | 170.739 110.321 47.607 | 170.774 110.340 47.774 | 48.405 48.406 |
| RPI linked instrument 5 RPI linked instrument 6 RPI linked instrument 7 | XS0230235474 XS0240294339 | 888+ 888+ | GBP GBP | | Finance lease Listed bond Listed bond | | 15.0 19.0 | 47.774 233.610 91.938 | 47.774 233.610 91.938 | 3504.150 1746.822 | 1.38% 2.03% 1.63% | | | | 2.87% 3.53% 3.12% | 1.372 8.252 2.869 | 0.660 4.749 1.496 | 0.167 2.450 0.104 | 47.607 231.160 91.834 | 47.774 349.482 138.049 | 48.408 48.409 |
| RPI linked instrument 8 RPI linked instrument 9 RPI linked instrument 10 | XS0257411297 XS0257412261 | 888+ 888+ | GBP GBP | | Listed bond Listed bond | | 28.0 32.0 | 152.199 152.199 | 152.199 152.199 | 4261.572 4870.368 0.000 | 1.71% | | | | 3.21% 3.24% 0.00% | 4.880 4.937 0.000 | 2.605 2.661 0.000 | -0.055 -0.057 | 152.253 152.255 | 186.550 182.985 | 48.410 48.411 48.412 |
| RPI linked instrument 11 RPI linked instrument 12 | | | | | | | | | | 0.000 | | | | | 0.00% | 0.000 | 0.000 | | | | 48.413 48.414 |
| RPI linked instrument 13 RPI linked instrument 14 RPI linked instrument 15 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.415 48.416 48.417 |
| RPI linked instrument 16 RPI linked instrument 17 RPI linked instrument 18 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.418 48.419 48.420 |
| RPI linked instrument 19 RPI linked instrument 20 | | | | | | | | | | 0.000 | | | | | 0.00% | 0.000 | 0.000 | | | | 48.421 48.422 |
| RPI linked instrument 21 RPI linked instrument 22 RPI linked instrument 23 | | | | | | | | | | 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.423 48.424 48.425 |
| RPI linked instrument 24 RPI linked instrument 25 RPI linked instrument 26 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.426 48.427 48.428 |
| RPI linked instrument 27 RPI linked instrument 28 RPI linked instrument 29 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.429 48.430 |
| RPI linked instrument 30 RPI linked instrument 31 | | | | | | | | | | 0.000 | | | | | 0.00% | 0.000 | 0.000 | | | | 48.431 48.432 48.433 |
| RPI linked instrument 32 RPI linked instrument 33 RPI linked instrument 34 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.434 48.435 48.436 |
| RPI linked instrument 35 RPI linked instrument 36 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.437 48.438 |
| RPI linked instrument 37 RPI linked instrument 38 RPI linked instrument 39 | | | | | | | | | | 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 | 0.000 0.000 0.000 | | | | 48.439 48.440 48.441 |
| RPI linked instrument 40 RPI linked instrument 41 RPI linked instrument 42 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.442 48.443 48.444 |
| RPI linked instrument 43 RPI linked instrument 44 | | | | | | | | | | 0.000 | | | | | 0.00% | 0.000 | 0.000 | | | | 48.445 48.446 |
| RPI linked instrument 45 RPI linked instrument 46 RPI linked instrument 47 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 0.000 0.000 | | | | 48.447 48.448 48.449 |
| RPI linked instrument 48 RPI linked instrument 49 RPI linked instrument 50 | | | | | | | | | | 0.000 0.000 0.000 | | | | | 0.00% 0.00% 0.00% | 0.000 0.000 0.000 | 0.000 | | | | 48.450 48.451 48.452 |
| RPI linked instrument 51 RPI linked instrument 101 | | | | | | | | | | 0.000 | | | | | 0.00% | 0.000 | 0.000 | | | | 48.453 48.503 |
| RPI linked instrument 151 RPI linked instrument 200 Totals for RPI linked instruments | | | | | | | | 1044.649 | 1044.649 | 0.000 0.000 17595.293 | | | | | 0.00% | 0.000 0.000 30.008 | 0.000 0.000 14.443 | 2.692 | 1041.955 | 1271.769 | 48.553 48.602 48.603 |
| CPI linked instruments | | | COD | | IKAN | | 10.0 | | | | | 0.749 | | | 1.26% | | | | | | |
| CPI linked instrument 1 CPI linked instrument 51 CPI linked instrument 101 | | | GBP | | USPP | | 18.6 | 101.035 | 101.035 | 1879.251 0.000 0.000 | | 0.24% | | | 0.00% | 1.270 0.000 0.000 | 0.245 0.000 0.000 | 0.379 | 100.657 | 100.000 | 48.604 48.654 48.704 |
| CPI linked instrument 151 CPI linked instrument 200 Totals for CPI linked instruments | | | | | | | | 101.035 | 101.035 | 0.000 0.000 1879.251 | | | | | 0.00% | 0.000 0.000 1.270 | 0.000 0.000 0.245 | 0.379 | 100.657 | 100.000 | 48.754 48.803 48.804 |
| Totals for all instruments | | | | | | | | 101.035 2961.435 | 101.035 2961.435 | 1879.251 35661.876 | | | | | | 111.189 | 94.599 | 24.921 | 2936.512 | 3342.751 | 48.805 |
| Inflation Assumptions RPI % | 1.47% |] | | | | | | | | | | | | | | | | | | | 48.806 |
| CPI % | 1.01% | 1 | | | | | | | | | | | | | | | | | | | 48.807 48.807 |
| Indicative interest rates Indicative weighted average nominal interest rate Indicative weighted average cash interest rate | 3.75% 3.19% | - | | | | | | | | | | | | | | | | | | | 48.808 48.809 |
| Indicative weighted average cash interest rate | | - | | | | | | | | | | | | | | | | | | | |
| Floating rate debt as percentage of total debt (gross) | 0.93% | | | | | | | | | | | | | | | | | | | | 48.810 |
| Fixed rate debt as percentage of total debt (gross) RPI linked debt as percentage of total debt (gross) | 60.38% | - | | | | | | | | | | | | | | | | | | | 48.811 |
| CPI linked debt as percentage of total debt (gross) | 3.41% | | | | | | | | | | | | | | | | | | | | 48.813 |
| All index (CPI and RPI) linked debt as percentage of total debt (gross) Fixed rate debt and index linked debt as percentage | 38.69% | | | | | | | | | | | | | | | | | | | | 48.814 |
| Fixed rate debt and index linked debt as percentage of total debt (gross) Weighted average years to maturity | 99.07% | | | | | | | | | | | | | | | | | | | | 48.815 |
| | 120 | 1 | | | | | | | | | | | | | | | | | | | 48.816 |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

Pro forma 4L

| 1888 | | | | | | Enhan | omont over | aditura for t | ho 12 month | s and ad 21s | t March 2021 | water res | urees and u | otor potuo | des | | |
|--|--|-------|-------|-----|-----------------|-----------|-------------|-----------------|---------------|--------------|-----------------|---------------|-------------------|------------------|-----------------|-------|-----------------|
| 1968 | | | | | | Enhand | cement expe | enditure for t | he 12 month | s ended 31s | t March 2021 | - water reso | ources and w | ater networ | ·K+ | | |
| Mathematical | | | | | | | Expenditure | in report year | | | | Cumulative ex | penditure on sche | mes completed in | the report year | | |
| Mathematical mat | Line description | | Units | DPs | Water resources | Raw water | | | Treated water | Total | Water resources | Raw water | | | Treated water | Total | RAG 4 reference |
| Mathematical mat | | | | | | | | Water treatment | | | | | | Water treatment | | | |
| Mathematical | | | | | | | | | | | | | | | | | |
| Mathematical | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.335 | 0.000 | 0.335 | | | | | | | 4L.1 |
| Minimage | | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.2 |
| Mathematical | Ecological improvements at abstractions | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.335 | 0.000 | 0.335 | | | | | | | 4L3 |
| Mathematical | Eels Regulations (measures at intakes) | Capex | £m | 3 | 3.326 | 0.000 | 0.000 | 0.000 | 0.000 | 3.326 | | | | | | | 4L4 |
| Mathematical | Eels Regulations (measures at intakes) | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L5 |
| Mathematical | Eels Regulations (measures at intakes) | Totex | £m | 3 | 3.326 | 0.000 | 0.000 | 0.000 | 0.000 | 3.326 | | | | | | | 4L6 |
| Mathematical mathematical | Invasive Non Native Species | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.7 |
| Mathematical | Invasive Non Native Species | - | | | | | | | | | | | | | | | 4L8 |
| | Invasive Non Native Species | | | | | | | | | | | | | | | | |
| Mathematical ma | Drinking Water Protected Areas (schemes) | | | | | | | | | | | | | | | | |
| Part | Drinking Water Protected Areas (schemes) | | | | | | | | | | | | | | | | |
| Mathematical material and section of the section | Drinking Water Protected Areas (schemes) | | | | | | | | | | | | | | | | |
| Mathematical | | Totex | £m | 3 | 0.366 | 0.000 | 0.000 | 0.000 | 0.000 | 0.366 | | | | | | | 4L.12 |
| | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L-13 |
| Mathematical Content | | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L14 |
| Mathematical Content | | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L-15 |
| Mathematical Content | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.16 |
| Mathematical | Investigations | Opex | £m | 3 | 0.089 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | | | | | | | 4L17 |
| Page | Investigations | Totex | £m | 3 | 0.089 | 0.000 | 0.000 | 0.000 | 0.000 | 0.089 | | | | | | | 4L.18 |
| Mathematical part | Total environmental programme expenditure | Totex | £m | 3 | 4.005 | 0.000 | 0.000 | 0.335 | 0.000 | 4.340 | | | | | | | 4L.19 |
| Mathematical part | Supply-demand balance | 1 | | | | | | | ı | | | | | | - | | |
| Part | Supply-side improvements delivering benefits in | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.041 | 0.141 | 0.182 | | | | | | | 4L-20 |
| Part | Supply-side improvements delivering benefits in | - | | | | | | | | | | | | | | | |
| Part | Supply-side improvements delivering benefits in | | | | | | | | | | | | | | | | |
| Mathematical part | Demand-side improvements delivering benefits in | | | | | | | | | | | | | | | | |
| Continue of the continue of | 2020-2025 (excl leakage and metering) Demand-side improvements delivering benefits in | - | | | | | | | | | | | | | | | |
| Mathematical mat | 2020-2025 (excl leakage and metering) | | | | | | | | | | | | | | | | |
| Mathematical Conting | 2020-2025 (excl leakage and metering) | Totex | £m | 3 | | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | |
| Mathematical Continue | 2025 | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4L.26 |
| Mathematical Content | 2025 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4L27 |
| Mathematical | 2025 | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4L 28 |
| Mathematical | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.29 |
| Mathematical parameters | Internal interconnectors delivering benefits in 2020- 2025 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L30 |
| Marie State | Internal interconnectors delivering benefits in 2020- 2025 | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L31 |
| Part | Supply demend balance improvements delivering | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L32 |
| Part | Supply demend balance improvements delivering | | | | | | | | | | | | | | | | 44.33 |
| Marie | Supply demend balance improvements delivering | ., | | | | | | | | | | | | | | | |
| Mathematical Continue | | | | | | | | | | | | | | | | | |
| Column | Strategic regional water resources | - | | - | | | | | | | | | | | | | |
| Control Cont | | Opex | £m | | | | | | | | | | | | | | |
| Control Cont | | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L37 |
| Part | Total supply demand expenditure | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.041 | 0.141 | 0.182 | | | | | | | 4L38 |
| Marche M | | | | | | | | | | | | | | | | | |
| Marche M | New meters requested by existing customers (optants) | Capex | £m | 3 | | | | | 2.418 | 2.418 | | | | | | | 4L.39 |
| Marches Marc | | Opex | £m | 3 | | | | | 0.000 | 0.000 | | | | | | | 4L40 |
| Marie Name | New meters requested by existing customers (optants) | Totex | £m | 3 | | | | | 2.418 | 2.418 | | | | | | | 4L.41 |
| Part | New meters introduced by companies for existing | Capex | £m | 3 | | | | | 0.000 | 0.000 | | | | | | | 4L.42 |
| Part | New meters introduced by companies for existing | Opex | £m | 3 | | | | | 0.000 | 0.000 | | | | | | | 4L.43 |
| Part | New meters introduced by companies for existing | Totex | £m | | | | | | 0.000 | 0.000 | | | | | | | 41.44 |
| Part | | | | | | | | | | | | | | | | | |
| Part | New meters for existing customers - business | | | | | | | | | | | | | | | | |
| Part | New meters for existing customers - business | | | | | | | | | | | | | | | | |
| Part | | | | | | | | | | | | | | | | | |
| Page | Total metering expenditure | Totex | £m | 3 | | | | | 2.422 | 2.422 | | | | | | | 4L48 |
| Company Comp | | | | | | | | | | | | | | | | | |
| Company Comp | Improvments to taste, odour and colour | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.49 |
| Control of Control o | Improvments to taste, odour and colour | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.50 |
| Control Cont | Improvments to taste, odour and colour | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L51 |
| Control Cont | Meeting lead standards | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 1.677 | 1.677 | | | | | | | 4L 52 |
| Part | Meeting lead standards | | £m | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L53 |
| Manual para mater determination Graph Gr | Meeting lead standards | | | | | | | | | | | | | | | | |
| Controller of the formation Control Cont | Addressing raw water deterioration | | | | | | | | | | | | | | | | |
| Company control of the first | | | | | | | | | | | | | | | | | |
| Marie Mari | | .,. | | | | | | | | | | | | | | | |
| Caper Cape | | | | | | | | | | | | | | | | | |
| Properties for fire flow | | - | | - | | | | | | | | | | | | | |
| Company Comp | | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.59 |
| Consequence contents Cope Coff 3 0.000 0.0 | | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L60 |
| Consequence recents Open Circ 3 0.000 0.00 | consequence events | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.352 | 0.099 | 0.451 | | | | | | | 4L.61 |
| Consequence events | consequence events | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.62 |
| Curity - MAD Curity - MAD | | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.352 | 0.099 | 0.451 | | | | | | | 4L.63 |
| Compt | Security - SEMD | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 6.108 | 0.000 | 6.108 | | | | | | | 4L64 |
| County - Non-SIMD | Security - SEMD | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.65 |
| Security - Non-SEMD Capes Em 3 0.000 0.00 | Security - SEMD | .,. | | | | | | | | | | | | | | | |
| Security - Non-SEMD Opes Em 3 0.000 | Security - Non-SEMD | | | | | | | | | | | | | | | | |
| Comparison Com | Security - Non-SEMD | | | | | | | | | | | | | | | | |
| Additional line 1 Capex Em 3 0,000 0 | | | | | | | | | | | | | | | | | |
| Additional line 1 | | | | | | | | | | | | | | | | | |
| Additional line 2 Capex Em 3 0.000 | | | | | | | | | | | | | | | | | |
| Additional line 2 Opex Em 3 0.000 | | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | |
| Additional line 3 Capex Em 3 0.000 | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.72 |
| Capex Em 3 0.000 0.0 | | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.73 |
| Additional line 4 Cape | | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.74 |
| Capex Em 3 0.000 0.0 | Additional line 3 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.75 |
| Additional line 4 | Additional line 4 | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.76 |
| Additional line 5 | Additional line 4 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | 4L.77 |
| Additional line 5 | Additional line 5 | | | | | | | | | | | | | | | | |
| Total other enhancement expenditure Total enhancement Total enhancement expenditure Capex Em 3 3.326 0.000 0.000 8.347 4.970 16.643 Total enhancement expenditure Capex Em 3 0.679 0.000 0.000 0.000 0.000 0.000 0.679 | Additional line 5 | | | | | | | | | | | | | | | | |
| Total enhancement | Total other enhancement expenditure | | | | | | | | | | | | | | | | |
| Total enhancement expenditure Capex | | | -411 | 3 | 0.000 | 0.000 | 0.000 | 3/1 | 2.407 | 20.376 | | | | | | | |
| Capex Em 3 3.326 0.000 0.000 8.347 4.570 16.643 4.51 Total enhancement expenditure Opex Em 3 0.679 0.000 0.000 0.000 0.000 0.679 4.52 Total enhancement appenditure Opex Em 3 0.679 0.000 0.000 0.000 0.000 0.679 | | | _ | | | | | | | | | | | | | | |
| Opex Em 3 0.679 0.000 0.000 0.000 0.679 4.50 | | - | | | | | | | | | | | | | | | |
| Totex Em 3 4.005 0.000 0.000 8.347 4.970 17.322 4.83 | · | | | | | | | | | | | | | | | | |
| | otal emiancement expenditure | Totex | £m | 3 | 4.005 | 0.000 | 0.000 | 8.347 | 4.970 | 17.322 | | | | | | | 4L83 |

Pro forma 4M

| Part | | | | | | | | | Enhance | ement expen | diture for th | e 12 months | ended 31st | March 2021 - | - wastewate | network+ a | nd bioresour | ces | | | | | |
|--|--|--|-------|-----|-------|---------------|-------------------|----------|---------------------|------------------|---------------|-----------------|------------|--------------|---------------|------------|--------------|-------------------|---------------------|-------|-------------------|--------|-----------------|
| Mathematical | | | | | | V | Vastewater networ | | penditure in report | vear | Rioresources | | | | ١ | | | re on schemes com | pleted in the repor | | | | |
| Section | Line description | | Units | DPs | Foul | Surface water | Highway | Sewage | | Sludge transport | | Sludge disposal | Total | Foul | Surface water | Highway | Sewage | | Sludge transport | | t Sludge disposal | Total | RAG 4 reference |
| Mathematical | | | | | | drainage | drainage | disposal | treatment | | | | | | drainage | drainage | disposal | treatment | | | | | |
| Mathematical | EA/NRW environmental programme (WINEP/NEP) | | | | | | ı | | | | I | | | | | ı | | | | | | | |
| Mathematical part | Conservation drivers | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.1 |
| Mathematical | Conservation drivers | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.2 |
| Mathematical part | Conservation drivers | _ | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematic and the content of the | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematic | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematical conting | | | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | Flow monitoring at sewage treatment works | | | | | | | | | | | | | | | | | | | | | | |
| Mathematic and teaches | Schemes to increase flow to full treatment | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.10 |
| Mathematical line | Schemes to increase flow to full treatment | Opex | £m | 3 | 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 | 0.000 | 4M.11 |
| Mathematical line | Schemes to increase flow to full treatment | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.646 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.12 |
| Mathematical Conting | Schemes to increase storm tank capacity | Capex | £m | 3 | 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 | 0.000 | 4M.13 |
| Mathematical Conting | Schemes to increase storm tank capacity | Opex | £m | 3 | 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 | 0.000 | 4M.14 |
| Teneral material length of the properties of the | Schemes to increase storm tank capacity | Totex | £m | 3 | 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 | 0.000 | 4M.15 |
| Mathematical | storm tanks, etc | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 1.212 | 0.000 | 0.000 | 0.000 | 0.000 | 1.212 | 0.000 | 0.000 | 0.000 | 1.463 | 0.000 | 0.000 | 0.000 | 0.000 | 1.463 | 4M.16 |
| The series of th | storm tanks, etc | | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | storm tanks, etc | | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | Chemical removals schemes | | | | | | | | | | | | | | | | | | | | | | |
| Section Part | | | | | | | | | | | | | | | | | | | | | | | — |
| | Chemicals monitoring/ investigations/ options | | | | | | | | | | | | | 3.000 | 3.000 | 3.000 | 3.014 | 0.000 | 0.000 | 0.000 | 5.000 | 5.014 | l—— |
| | appraisals Chemicals monitoring/ investigations/ options | - | | | | | | | | | | | | | | | | | | | | | |
| | appraisals Chemicals monitoring/investigations/options appraisals | - | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | appraisals Nitrogen removal | | | | | | | | | | | | | | | | | | | | | | |
| Mathematical | Nitrogen removal | - | | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.26 |
| Mathematical Region | Nitrogen removal | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.27 |
| Mathematical mat | Phosphorus removal | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 1.831 | 0.000 | 0.000 | 0.000 | 0.000 | 1.831 | 0.000 | 0.000 | 0.000 | 12.589 | 0.000 | 0.000 | 0.000 | 0.000 | 12.589 | 4M.28 |
| Mathematical Conting | Phosphorus removal | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.064 | 0.000 | 0.000 | 0.000 | 0.000 | 0.064 | 0.000 | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.021 | 4M.29 |
| Mathematical mat | Phosphorus removal | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 1.895 | 0.000 | 0.000 | 0.000 | 0.000 | 1.895 | 0.000 | 0.000 | 0.000 | 12.610 | 0.000 | 0.000 | 0.000 | 0.000 | 12.610 | 4M.30 |
| Mathematical Conting | Reduction of sanitary parameters | Capex | £m | 3 | 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 | 0.000 | 4M.31 |
| Mathematical Conting | Reduction of sanitary parameters | Opex | £m | 3 | 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 | 0.000 | 4M.32 |
| Methodology of the property of | Reduction of sanitary parameters | Totex | £m | 3 | 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 | 0.000 | 4M.33 |
| Mathematical Registry Math | UV disinfection (or similar) | Capex | £m | 3 | 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 | | |
| Mathematic Mat | UV disinfection (or similar) | - | | _ | | | | | | | | | | | | | | | | | | | |
| | UV disinfection (or similar) | | | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| | | - | | | | | | | | | | | | | | | | | | | | | |
| The continue of the continue o | | 1 | | | | | | | | | | | | | | | | | | | | | |
| The content of the co | | | | - | | | | | | | | | | | | | | | | | | | |
| Mathematical part | | 1 | | | | | | | | | | | | | | | | | | | | | |
| The section of the se | Growth at sewage treatment works (excluding sludge | Capex | £m | 3 | 0.014 | 0.024 | 0.013 | 5.880 | 0.000 | 0.000 | 0.000 | 0.000 | 5.931 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.41 |
| Mathematical process of the control | Growth at sewage treatment works (excluding sludge | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.068 | 0.000 | 0.000 | 0.000 | 0.000 | 0.068 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.42 |
| Mathematical part | | Totex | £m | 3 | 0.014 | 0.024 | 0.013 | 5.948 | 0.000 | 0.000 | 0.000 | 0.000 | 5.999 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.43 |
| Part | Reduce flooding risk for properties | Capex | £m | 3 | 2.924 | 4.847 | 2.610 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 10.382 | 1.045 | 1.731 | 0.932 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.708 | 4M.44 |
| Mathematical Continue Math | Reduce flooding risk for properties | Opex | £m | 3 | 0.246 | 0.408 | 0.220 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.874 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.45 |
| Mathematical Continue | Reduce flooding risk for properties | Totex | £m | 3 | 3.170 | 5.255 | 2.830 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 11.256 | 1.045 | 1.731 | 0.932 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 3.708 | 4M.46 |
| Part | First time sewerage | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 4M.47 |
| Part | First time sewerage | Opex | £m | 3 | 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 | 4M.48 |
| Part | First time sewerage | Totex | | - | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Part | Sludge enhancement (quality) | - | | | | | | | | | | | | | | | | | | | | | |
| Part | | | | | | | | | | | | | | | | | | | | | | | |
| Part | | - | | | | | | | | | | | | | | | | | | | | | |
| The state of the s | Sludge enhancement (growth) | | | | | | | | | | | | | | | | | | | | | | |
| See the section of th | Sludge enhancement (growth) | 1 | | - | | | | | | | | | | | | | | | | | | | |
| The state of the s | Odour | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.56 |
| The state of the s | Odour | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.57 |
| The standard series of | Odour | Totex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.58 |
| The state of the s | Enhancing resilience to low probability high consequence events | Capex | £m | 3 | 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 | 0.000 | 4M.59 |
| The second secon | Enhancing resilience to low probability high consequence events | Opex | £m | 3 | 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 | 0.000 | 4M.60 |
| Control 1940 | consequence events | | | | | | | | | | | | | | | | | | | | | | |
| The control of the co | Security - SEMD | <u> </u> | | | | | | | | | | | | | | | | | | | | | |
| Handing Marker (1964) (| Security - SEMD | 1 | | | | | | | | | | | | | | | | | | | | | |
| Securely Northolds | | | | | | | | | | | | | | | | | | | | | | | |
| According to the control of the cont | | | | | | | | | | | | | | | | | | | | | | | |
| Additional line 1 Cape | Security - Non-SEMD | - | | | | | | | | | | | | | | | | | | | | | |
| Additional line 1 | Additional line 1 | | | | | | | | | | | | | | | | | | | | | | |
| Additional line 2 Caper Em 3 0,000 0.000 0 | Additional line 1 | <u> </u> | | - | | | | | | | | | | | | | | | | | | | |
| Additional line 3 | Additional line 2 | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.70 |
| Additional line 3 | Additional line 2 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.71 |
| Additional line 4 Capex Em 3 0.000 0 | Additional line 3 | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.72 |
| Additional line 4 | Additional line 3 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.73 |
| Additional line 5 Capex Em 3 0.000 0 | Additional line 4 | Capex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.74 |
| Additional line 5 Opex Em 3 0.000 0.0 | Additional line 4 | Opex | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | | | | | 4M.75 |
| Total other enhancement expenditure Total Capex Em 3 3.239 5.369 2.892 10.633 0.000 0.000 0.000 0.000 1.1375 | Additional line 5 | | | | | | | | | | | | | | | | | | | | | | |
| Total enhancement Total enhancement expenditure | Additional line 5 | | | | | | | | | | | | | | | | | | | | | | l—— |
| Total enhancement expenditure Capex Em 3 3.239 5.369 2.892 10.633 0.000 0.000 0.000 22.133 | Total other enhancement expenditure | Totex | £m | 3 | 3.184 | 5.279 | 2.843 | 6.069 | 0.000 | 0.000 | 0.000 | 0.000 | 17.375 | | | | | | | | | | 4M.78 |
| Total enhancement expenditure | Total enhancement | | | - | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 40.51 | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | | | | | | | | | | |

Pro forma 4Q

Northumbrian Water

Length of new mains (km) - SLPs

| | Devel | oper : | services - Ne | w connectio | ns, properties | s and mains |
|--|-------|--------|---------------|-------------|----------------|-----------------|
| Line description | Units | DPs | Water | Wastewater | Total | RAG 4 reference |
| Connections volume data | | | | | | |
| New connections (residential – excluding NAVs) | nr | 0 | 10410 | 14824 | 25234 | 4Q.1 |
| New connections (business – excluding NAVs) | nr | 0 | 495 | 782 | 1277 | 4Q.2 |
| Total new connections served by incumbent | nr | 0 | 10905 | 15606 | 26511 | 4Q.3 |
| New connections – SLPs | nr | 0 | 1420 | | | 4Q.4 |
| Properties volume data | | | | | | |
| New properties (residential - excluding NAVs) | nr | 0 | 11911 | 7412 | 19323 | 4Q.5 |
| New properties (business - excluding NAVs) | nr | 0 | 540 | 391 | 931 | 4Q.6 |
| Total new properties served by incumbent | nr | 0 | 12451 | 7803 | 20254 | 4Q.7 |
| New residential properties served by NAVs | nr | 0 | 694 | 0 | 694 | 4Q.8 |
| New business properties served by NAVs | nr | 0 | 15 | 0 | 15 | 4Q.9 |
| Total new properties served by NAVs | nr | 0 | 709 | 0 | 709 | 4Q.10 |
| Total new properties | nr | 0 | 13160 | 7803 | 20963 | 4Q.11 |
| New properties – SLP connections | nr | 0 | 1419 | | | 4Q.12 |
| New water mains data | | | | | | |
| Length of new mains (km) - requisitions | nr | 0 | 60 | | | 4Q.13 |

34

nr

4Q.14

Pro forma 4R

| Connected properties, customers and population | | | | | | | | | | | | |
|---|----------|-----|------------|-------------|-------------|------------|------------|-------------|-------------|----------|----------|-----------------|
| Line description | Units | DPs | Unmeasured | Measured | Total | Voids | | | | | | RAG 4 reference |
| Customer numbers - average during the year | | | | | | | | | | | | |
| Residential water only customers | 000s | 3 | 277.175 | 486.786 | 763.961 | 23.348 | | | | | | 4R.1 |
| Residential wastewater only customers | 000s | 3 | 28.481 | 38.547 | 67.028 | 3.884 | | | | | | 4R.2 |
| Residential water and wastewater customers | 000s | 3 | 652.135 | 452.589 | 1104.724 | 48.065 | | | | | | 4R.3 |
| Total residential customers | 000s | 3 | 957.791 | 977.922 | 1935.713 | 75.297 | | | | | | 4R.4 |
| Business water only customers | 000s | 3 | 3.023 | 39.650 | 42.673 | 9.499 | | | | | | 4R.5 |
| Business wastewater only customers | 000s | 3 | 4.625 | 1.268 | 5.893 | 3.698 | | | | | | 4R.6 |
| Business water & wastewater customers | 000s | 3 | 4.444 | 39.148 | 43.592 | 12.811 | | | | | | 4R.7 |
| Total business customers | 000s | 3 | 12.092 | 80.066 | 92.158 | 26.008 | | | | | | 4R.8 |
| Total customers | 000s | 3 | 969.883 | 1057.988 | 2027.871 | 101.305 | | | | | | 4R.9 |
| | | | | Water | | | Wastewater | | 1 | | | |
| Line description | Units | Dps | Unmeasured | Measured | Total | Unmeasured | Measured | Total | | | | |
| Property numbers - average during the year | | | | | | | | | | | | |
| Residential properties billed | 000s | 3 | 929.310 | 939.375 | 1868.685 | 680.616 | 491.136 | 1171.752 | | | | 4R.10 |
| Residential void properties | 000s | 3 | | | 71.413 | | | 51.949 | | | | 4R.11 |
| Total connected residential properties | 000s | 3 | | | 1940.098 | | | 1223.701 | | | | 4R.12 |
| Business properties billed | 000s | 3 | 7.467 | 78.798 | 86.265 | 9.069 | 40.416 | 49.485 | | | | 4R.13 |
| Business void properties | 000s | 3 | | | 22.310 | | | 16.509 | | | | 4R.14 |
| Total connected business properties | 000s | 3 | | | 108.575 | | | 65.994 | | | | 4R.15 |
| Total connected properties | 000s | 3 | | | 2048.673 | | | 1289.695 | | | | 4R.16 |
| | | | | | | | Water | | • | | | |
| Line description | Units | Dps | Nometer | | asured | Total | No motor | 1 | sured | Tatal | Total | |
| | <u> </u> | | No meter | Basic meter | Smart meter | Total | No meter | Basic meter | Smart meter | Total | | |
| Property and meter numbers - at end of year Total new residential properties connected in year | 000s | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 6.682 | 5.818 | 12.500 | 12.500 | 4R.17 |
| Total new business properties connected in year | 000s | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.282 | 0.093 | 0.375 | 0.375 | 4R.18 |
| Residential properties billed at year end | 000s | 3 | 924.237 | 0.210 | 0.110 | 924.557 | 0.000 | 877.176 | 75.227 | 952.403 | 1876.960 | 4R.19 |
| Residential void properties at year end | 000s | 3 | -2.1.23/ | | | 38.411 | | | | 34.160 | 72.571 | 4R.20 |
| Total connected residential properties at year end | 000s | 3 | | | | 962.968 | | | | 986.563 | 1949.531 | 4R.21 |
| Business properties billed at year end | 000s | 3 | 7.315 | 0.071 | 0.004 | 7.390 | 0.000 | 76.762 | 1.082 | 77.844 | 85.234 | 4R.22 |
| Business void properties at year end | 000s | 3 | | | | 4.130 | | | | 19.180 | 23.310 | 4R.23 |
| Total connected business properties at year end | 000s | 3 | | | | 11.520 | | | | 97.024 | 108.544 | 4R.24 |
| Total connected properties at year end | 000s | 3 | | | | 974.488 | | | | 1083.587 | 2058.075 | 4R.25 |
| - Same Steel properties at year time | 3003 | | | | | 574.100 | | | | 2303.307 | 2330.073 | 25 |
| Line description | Units | DPs | Water | Wastewater | | | | | | | | |
| | 1 | | | | _ | | | | | | | |
| Population data | | | | | Ī | | | | | | | 1 |
| Population data Resident population | 000s | 3 | 4652.114 | 2673.325 | | | | | | | | 4R.26 |

Pro forma 5A

Northumbrian Water

Water resources asset and volumes data for the 12 months ende

| Line description | Units | DPs | Input | RAG 4 reference |
|---|-------|-----|-----------|-----------------|
| Water resources | | | | |
| Water from impounding reservoirs | MI/d | 2 | 453.51 | 5A.1 |
| Water from pumped storage reservoirs | MI/d | 2 | 308.55 | 5A.2 |
| Water from river abstractions | MI/d | 2 | 293.92 | 5A.3 |
| Water from groundwater works, excluding managed aquifer recharge (MAR) water supply schemes | MI/d | 2 | 103.70 | 5A.4 |
| Water from artificial recharge (AR) water supply schemes | MI/d | 2 | 0.00 | 5A.5 |
| Water from aquifer storage and recovery (ASR) water supply schemes | MI/d | 2 | 0.00 | 5A.6 |
| Water from saline abstractions | MI/d | 2 | 0.00 | 5A.7 |
| Water from water reuse schemes | MI/d | 2 | 0.00 | 5A.8 |
| Number of impounding reservoirs | nr | 0 | 21 | 5A.9 |
| Number of pumped storage reservoirs | nr | 0 | 2 | 5A.10 |
| Number of river abstractions | nr | 0 | 9 | 5A.11 |
| Number of groundwater works excluding managed aquifer recharge (MAR) water supply schemes | nr | 0 | 54 | 5A.12 |
| Number of artificial recharge (AR) water supply schemes | nr | 0 | 0 | 5A.13 |
| Number of aquifer storage and recovery (ASR) water supply schemes | nr | 0 | 0 | 5A.14 |
| Number of saline abstraction schemes | nr | 0 | 0 | 5A.15 |
| Number of reuse schemes | nr | 0 | 0 | 5A.16 |
| Total number of sources | nr | 0 | 86 | 5A.17 |
| Total number of water reservoirs | nr | 0 | 30 | 5A.18 |
| Total volumetric capacity of water reservoirs | MI | 0 | 448668 | 5A.19 |
| Total number of intake and source pumping stations | nr | 0 | 78 | 5A.20 |
| Total installed power capacity of intake and source pumping stations | kW | 0 | 45898 | 5A.21 |
| Total length of raw water abstraction mains and other conveyors | km | 2 | 132.58 | 5A.22 |
| Average pumping head – raw water abstraction | m.hd | 2 | 28.65 | 5A.23 |
| Energy consumption - raw water abstraction | MWh | 3 | 61518.886 | 5A.24 |
| Total number of raw water abstraction imports | nr | 0 | 0 | 5A.25 |
| Water imported from 3rd parties' raw water abstraction systems | MI/d | 2 | 0.00 | 5A.26 |
| Total number of raw water abstraction exports | nr | 0 | 0 | 5A.27 |
| Water exported to 3rd parties' from raw water abstraction systems | MI/d | 2 | 0.00 | 5A.28 |
| Water resources capacity (measured using water resources yield) | MI/d | 2 | 1622.91 | 5A.29 |

Pro forma 5B

Northumbrian Water

Water resources operating cost analysis for the 12 months ended 31st March 2021

| Line description | Units | DPs | Impounding Reservoir | Pumped Storage | River Abstractions | Groundwater, excluding MAR water supply schemes | Artificial Recharge (AR) water supply schemes | Aquifer Storage and Recovery (ASR) water supply schemes | Other | Total | RAG 4 reference |
|---|-------|-----|-------------------------|----------------|-----------------------|--|--|--|-------|--------|-----------------|
| Opex analysis | | | | | | | | | | | |
| Power | £m | 3 | 0.052 | 1.328 | 4.812 | 1.321 | 0.000 | 0.000 | 0.000 | 7.513 | 5B.1 |
| Income treated as negative expenditure | £m | 3 | -0.298 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -0.298 | 5B.2 |
| Abstraction charges / discharge consents | £m | 3 | 1.520 | 5.977 | 34.258 | 1.238 | 0.000 | 0.000 | 0.000 | 42.993 | 5B.3 |
| Bulk supply | £m | 3 | 0.000 | 0.000 | 1.079 | 0.000 | 0.000 | 0.000 | 0.000 | 1.079 | 5B.4 |
| Other operating expenditure | | | | | | | | | | | |
| Renewals expensed in year (Infrastructure) | £m | 3 | 0.031 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.033 | 5B.5 |
| Renewals expensed in year (Non-Infrastructure) | £m | 3 | 0.092 | 0.092 | 0.092 | 0.092 | 0.000 | 0.000 | 0.000 | 0.368 | 5B.6 |
| Other operating expenditure excluding renewals - direct | £m | 3 | 1.979 | 1.346 | 1.282 | 0.456 | 0.000 | 0.000 | 0.000 | 5.063 | 5B.7 |
| Other operating expenditure excluding renewals - indirect | £m | 3 | 0.691 | 0.470 | 0.448 | 0.159 | 0.000 | 0.000 | 0.000 | 1.768 | 5B.8 |
| Local authority and Cumulo rates | £m | 3 | 1.482 | 1.101 | 0.254 | 1.397 | 0.000 | 0.000 | 0.000 | 4.234 | 5B.9 |
| Total operating expenditure (excluding 3rd party) | £m | 3 | 5.549 | 10.314 | 42.225 | 4.665 | 0.000 | 0.000 | 0.000 | 62.753 | 5B.10 |

Pro forma 6A

Northumbrian Water

Raw water transport, raw water storage and water treatment data for the 12 months ende

| Line description | Units | DPs | Input |
|---|-------|-----|-----------|
| Raw water transport and storage | | | |
| Total number of balancing reservoirs | nr | 0 | 6 |
| Total volumetric capacity of balancing reservoirs | МІ | 0 | 1656 |
| Total number of raw water transport stations | nr | 0 | 6 |
| Total installed power capacity of raw water transport pumping stations | kW | 0 | 3166 |
| Total length of raw water transport mains and other conveyors | km | 2 | 335.46 |
| Average pumping head ~ raw water transport | m.hd | 2 | 7.50 |
| Energy consumption ~ raw water transport | MWh | 3 | 29133.286 |
| Total number of raw water transport imports | nr | 0 | 1 |
| Water imported from 3rd parties' raw water transport systems | MI/d | 2 | 86.83 |
| Total number of raw water transport exports | nr | 0 | 0 |
| Water exported to 3rd parties' raw water transport systems | MI/d | 2 | 0.00 |
| Total length of raw and pre-treated (non-potable) water transport mains for supplying customers | km | 2 | 183.33 |

| 6A.1 | |
|-------|--|
| 6A.2 | |
| 6A.3 | |
| 6A.4 | |
| 6A.5 | |
| 6A.6 | |
| 6A.7 | |
| 6A.8 | |
| 6A.9 | |
| 6A.10 | |
| 6A.11 | |
| 6A.12 | |

RAG 4 reference

| | Surface | e water | Groun | d water |
|---|---------------|-----------------|---------------|-----------------|
| Water treatment - treatment type analysis | Water treated | Number of works | Water treated | Number of works |
| Units | MI/d | nr | MI/d | nr |
| DPs | 2 | 0 | 2 | 0 |
| All SD simple disinfection works | 0.00 | 0 | 0.00 | 0 |
| W1 works | 0.00 | 0 | 17.24 | 10 |
| W2 works | 0.00 | 0 | 7.40 | 4 |
| W3 works | 18.33 | 5 | 18.80 | 4 |
| W4 works | 783.06 | 14 | 14.98 | 6 |
| W5 works | 306.31 | 4 | 19.84 | 5 |
| W6 works | 0.00 | 0 | 0.00 | 0 |

| ١. | | |
|----|-------|--|
| | 6A.13 | |
| | 6A.14 | |
| | 6A.15 | |
| | 6A.16 | |
| | 6A.17 | |
| | 6A.18 | |
| | 6A.19 | |

| Water treatment - works size | % of total | Number of work | | | |
|------------------------------|------------|----------------|--|--|--|
| Units | DI | nr | | | |
| DPs | 1 | 0 | | | |
| WTWs in size band 1 | 0.4 | 12 | | | |
| WTWs in size band 2 | 1.2 | 7 | | | |
| WTWs in size band 3 | 2.9 | 10 | | | |
| WTWs in size band 4 | 2.8 | 4 | | | |
| WTWs in size band 5 | 4.3 | 3 | | | |
| WTWs in size band 6 | 14.9 | 6 | | | |
| WTWs in size band 7 | 31.5 | 4 | | | |
| WTWs in size band 8 | 42.0 | 4 | | | |

| 6A.20 | |
|-------|--|
| 6A.21 | |
| 6A.22 | |
| 6A.23 | |
| 6A.24 | |
| 6A.25 | |
| 6A.26 | |
| 6A.27 | |

| Water treatment - other information | Units | DPs | Input |
|--|-------|-----|-----------|
| Total water treated at more than one type of works | MI/d | 2 | 0.00 |
| Number of treatment works requiring remedial action because of raw water deterioration | nr | 0 | 3 |
| Zonal population receiving water treated with orthophosphate | 000's | 3 | 4526.073 |
| Average pumping head – water treatment | m.hd | 2 | 2.31 |
| Energy consumption ∼ water treatment | MWh | 3 | 27552.655 |
| Total number of water treatment imports | nr | 0 | 0 |
| Water imported from 3rd parties' water treatment works | MI/d | 2 | 0.00 |
| Total number of water treatment exports | nr | 0 | 0 |
| Water exported to 3rd parties' water treatment works | MI/d | 2 | 0.00 |

| 6A.28 |
|-------|
| 6A.29 |
| 6A.30 |
| 6A.31 |
| 6A.32 |
| 6A.33 |
| 6A.34 |
| 6A.35 |
| 6A.36 |
| |

OFFICIAL

Pro forma 6B

Northumbrian Water

Treated water distribution - assets and operations for the 12 months ended

| Line description | Units | DPs | Input | RAG 4 reference |
|--|-----------------|-----|------------|-----------------|
| Assets and operations | | | | |
| Total installed power capacity of potable water pumping stations | kW | 0 | 43023 | 6B.1 |
| Total volumetric capacity of service reservoirs | MI | 1 | 2109.1 | 6B.2 |
| Total volumetric capacity of water towers | MI | 1 | 26.5 | 6B.3 |
| Distribution input | MI/d | 2 | 1180.35 | 6B.4 |
| Water delivered (non-potable) | MI/d | 2 | 68.75 | 6B.5 |
| Water delivered (potable) | MI/d | 2 | 1010.23 | 6B.6 |
| Water delivered (billed measured residential) | MI/d | 2 | 319.79 | 6B.7 |
| Water delivered (billed measured business) | MI/d | 2 | 177.37 | 6B.8 |
| Total annual leakage | MI/d | 2 | 206.02 | 6B.9 |
| Distribution losses | MI/d | 2 | 165.91 | 6B.10 |
| Water taken unbilled | MI/d | 2 | 31.17 | 6B.11 |
| Proportion of distribution input derived from impounding reservoirs | Propn 0 to 1 | 3 | 0.238 | 6B.12 |
| Proportion of distribution input derived from pumped storage reservoirs | Propn 0 to 1 | 3 | 0.290 | 6B.13 |
| Proportion of distribution input derived from river abstractions | Propn 0 to 1 | 3 | 0.407 | 6B.14 |
| Proportion of distribution input derived from groundwater works, excluding managed aquifer recharge (MAR) water supply schemes | Propn 0 to 1 | 3 | 0.065 | 6B.15 |
| Proportion of distribution input derived from artificial recharge (AR) water supply schemes | Propn 0 to 1 | 3 | 0.000 | 6B.16 |
| Proportion of distribution input derived from aquifer storage and recovery (ASR) water supply schemes | Propn 0 to 1 | 3 | 0.000 | 6B.17 |
| Proportion of distribution input derived from saline abstractions | Propn 0 to 1 | 3 | 0.000 | 6B.18 |
| Proportion of distribution input derived from water reuse schemes | Propn 0 to 1 | 3 | 0.000 | 6B.19 |
| Total number of potable water pumping stations that pump into and within the treated water distribution system | nr | 0 | 311 | 6B.20 |
| Number of potable water pumping stations delivering treated groundwater into the treated water distribution system | nr | 0 | 33 | 6B.21 |
| Number of potable water pumping stations delivering surface water into the treated water distribution system | nr | 0 | 19 | 6B.22 |
| Number of potable water pumping stations that re-pump water already within the treated water distribution system | nr | 0 | 259 | 6B.23 |
| Number of potable water pumping stations that pump water imported from a 3rd party supply into the treated water distribution system | nr | 0 | 0 | 6B.24 |
| Total number of service reservoirs | nr | 0 | 305 | 6B.25 |
| Number of water towers | nr | 0 | 36 | 6B.26 |
| Energy consumption ~ treated water distribution | MWh | 3 | 120356.063 | 6B.27 |
| Average pumping head – treated water distribution | m.hd | 2 | 54.41 | 6B.28 |
| Total number of treated water distribution imports | nr | 0 | 3 | 6B.29 |
| Water imported from 3rd parties' treated water distribution systems | MI/d | 2 | 0.92 | 6B.30 |
| Total number of treated water distribution exports | nr | 0 | 20 | 6B.31 |
| Water exported to 3rd parties' treated water distribution systems | MI/d | 2 | 5.05 | 6B.32 |

OFFICIAL

Pro forma 6C

Northumbrian Water

Water network+ - Mains, communication pipes and other data for the 12 months

Sheet: 6C

| Line description | Units | DPs | Input | RAG 4 reference |
|--|-----------------|-----|---------|-----------------|
| Treated water distribution - mains analysis | | | | |
| Total length of potable mains as at 31 March | km | 1 | 26252.8 | 6C.1 |
| Total length of potable mains relined | km | 1 | 0.0 | 6C.2 |
| Total length of potable mains renewed | km | 1 | 23.0 | 6C.3 |
| Total length of new potable mains | km | 1 | 61.0 | 6C.4 |
| Total length of potable water mains (≤320mm) | km | 1 | 23893.5 | 6C.5 |
| Total length of potable water mains >320mm and ≤ 450mm | km | 1 | 1089.1 | 6C.6 |
| Total length of potable water mains >450mm and ≤610mm | km | 1 | 405.3 | 6C.7 |
| Total length of potable water mains > 610mm | km | 1 | 864.8 | 6C.8 |
| Communication pipes | 1 | | | |
| Number of lead communication pipes | nr | 0 | 544382 | 6C.9 |
| Number of galvanised iron communication pipes | nr | 0 | 51295 | 6C.10 |
| Number of other communication pipes | nr | 0 | 1538507 | 6C.11 |
| | 1 | | | |
| Treated water distribution - mains age profile | Luca | 1 | 24.7 | 60.40 |
| Total length of potable mains laid or structurally refurbished pre-1880 Total length of potable mains laid or structurally refurbished between 1881 | km | 1 | 24.7 | 6C.12 |
| and 1900 Total length of potable mains laid or structurally refurbished between 1901 | km | 1 | 189.4 | 6C.13 |
| and 1920 | km | 1 | 333.0 | 6C.14 |
| Total length of potable mains laid or structurally refurbished between 1921 and 1940 | km | 1 | 2521.5 | 6C.15 |
| Total length of potable mains laid or structurally refurbished between 1941 and 1960 | km | 1 | 3428.0 | 6C.16 |
| Total length of potable mains laid or structurally refurbished between 1961 and 1980 | km | 1 | 5310.9 | 6C.17 |
| Total length of potable mains laid or structurally refurbished between 1981 and 2000 | km | 1 | 8318.5 | 6C.18 |
| Total length of potable mains laid or structurally refurbished post 2001 | km | 0 | 6127 | 6C.19 |
| Other | 1 | | | |
| Company area | km ² | 0 | 11806 | 6C.20 |
| Number of lead communication pipes replaced for water quality | nr | 0 | 219 | 6C.21 |
| Supply-side improvements delivering benefits in 2020-25 | MI/d | 2 | 0.00 | 6C.22 |
| Demand-side improvements delivering benefits in 2020-25 (excluding leakage and metering) | MI/d | 2 | 0.33 | 6C.23 |
| Leakage improvements delivering benefits in 2020-25 | MI/d | 2 | -7.97 | 6C.24 |
| Internal interconnectors delivering benefits in 2020-25 | MI/d | 2 | 0.00 | 6C.25 |
| Event Risk Index | nr | 0 | 198 | 6C.26 |

Pro forma 6D

Northumbrian Water

Demand management - Metering and leakage activities for the 12 months ended 31

| Line description | Units | DPs | Basic meter | Smart meter | | RAG 4 reference |
|---|-------|-----|-------------|------------------|--------|-----------------|
| Metering activities - Totex expenditure | | | | | | |
| New optant meter installation | £m | 3 | 0.650 | 1.768 | | 6D.1 |
| New selective meter installation | £m | 3 | 0.000 | 0.000 | | 6D.2 |
| New business meter installation | £m | 3 | 0.003 | 0.002 | | 6D.3 |
| Residential meters renewed | £m | 3 | 0.218 | 0.237 | | 6D.4 |
| Business meters renewed | £m | 3 | 0.137 | 0.024 | | 6D.5 |
| Metering activities - Explanatory variables | | | | | 1 | |
| New optant meters installed | 000s | 3 | 2.114 | 6.054 | | 6D.6 |
| New selective meters installed | 000s | 3 | 0.000 | 0.000 | | 6D.7 |
| New business meters installed | 000s | 3 | 0.009 | 0.006 | | 6D.8 |
| Residential meters renewed | 000s | 3 | 2.569 | 2.022 | | 6D.9 |
| Business meters renewed | 000s | 3 | 0.504 | 0.279 | | 6D.10 |
| New residential meters installation – supply-demand balance benefit | MI/d | 2 | 0.11 | 0.30 | | 6D.11 |
| New business meters installation – supply-demand balance benefit | MI/d | 2 | 0.07 | 0.50 | | 6D.12 |
| Residential meters renewed - supply-demand balance benefit | MI/d | 2 | | 0.00 | | 6D.13 |
| Business meters renewed - supply-demand balance benefit | MI/d | 2 | | 0.00 | | 6D.14 |
| Residential properties - meter penetration | % | 1 | 46.7 | 4.0 | | 6D.15 |
| | | | Maintaining | | | |
| Leakage activities - Totex expenditure | Units | DPs | leakage | Reducing leakage | Total | |
| Total leakage activity | £m | 3 | 33.244 | 0.000 | 33.244 | 6D.16 |
| Per capita consumption (excluding supply pipe leakage) | | | | | | |
| Per capita consumption (measured customers) | l/h/d | 2 | 161.20 | | | 6D.17 |
| Per capita consumption (unmeasured customers) | l/h/d | 2 | 168.83 | | | 6D.18 |

Pro forma 7A

Northumbrian Water

Wastewater network+ - Functional expenditure for the 12 months

| Line description | Units | DPs | £'000 | RAG 4 reference |
|--|-------|-----|-----------|-----------------|
| Costs of STWs in size bands 1 to 5 | | | | |
| Direct costs of STWs in size band 1 | 000s | 3 | 1475.274 | 7A.1 |
| Direct costs of STWs in size band 2 | 000s | 3 | 619.581 | 7A.2 |
| Direct costs of STWs in size band 3 | 000s | 3 | 1545.469 | 7A.3 |
| Direct costs of STWs in size band 4 | 000s | 3 | 3479.568 | 7A.4 |
| Direct costs of STWs in size band 5 | 000s | 3 | 2364.818 | 7A.5 |
| General & support costs of STWs in size bands 1 to 5 | 000s | 3 | 2810.661 | 7A.6 |
| Functional expenditure of STWs in size bands 1 to 5 | 000s | 3 | 12295.371 | 7A.7 |
| Costs of large STWs (size band 6) | | | | |
| Service charges for STWs in size band 6 | 000s | 3 | 572.000 | 7A.8 |
| Estimated terminal pumping costs size band 6 works | 000s | 3 | 769.000 | 7A.9 |
| Other direct costs of STWs in size band 6 | 000s | 3 | 26580.000 | 7A.10 |
| Direct costs of STWs in size band 6 | 000s | 3 | 27921.000 | 7A.11 |
| General & support costs of STWs in size band 6 | 000s | 3 | 8273.000 | 7A.12 |
| Functional expenditure of STWs in size band 6 | 000s | 3 | 36194.000 | 7A.13 |
| Costs of STWs - all sizes | | | | |
| Total Functional expenditure for Sewage treatment | 000s | 3 | 48489.371 | 7A.14 |

Pro forma 7C

Northumbrian Water

Wastewater network+ - Sewer and volume data for the 12 months

| Line description | Units | DPs | Input | | RAG 4 reference |
|------------------|-------|-----|-------|--|-----------------|
|------------------|-------|-----|-------|--|-----------------|

| Wastewater network | | | | | | |
|---|-------|---|-----------|--|--|--|
| Connectable properties served by s101A schemes completed in the report year | nr | 0 | 0 | | | |
| Number of s101A schemes completed in the report year | nr | 0 | 0 | | | |
| Total pumping station capacity | kW | 0 | 44366 | | | |
| Number of network pumping stations | nr | 0 | 981 | | | |
| Total number of sewer blockages | nr | 0 | 12023 | | | |
| Total number of gravity sewer collapses | nr | 0 | 255 | | | |
| Total number of sewer rising main bursts | nr | 0 | 41 | | | |
| Number of combined sewer overflows | nr | 0 | 1432 | | | |
| Number of emergency overflows | nr | 0 | 256 | | | |
| Number of settled storm overflows | nr | 0 | 117 | | | |
| Sewer age profile (constructed post 2001) | km | 0 | 1178 | | | |
| Volume of trade effluent | Ml/yr | 2 | 5786.65 | | | |
| Volume of wastewater receiving treatment at sewage treatment works | Ml/yr | 2 | 351256.20 | | | |
| Length of gravity sewers rehabilitated | km | 0 | 54 | | | |
| Length of rising mains replaced or structurally refurbished | km | 0 | 0 | | | |
| Length of foul (only) public sewers | km | 0 | 3095 | | | |
| Length of surface water (only) public sewers | km | 0 | 4518 | | | |
| Length of combined public sewers | km | 0 | 8395 | | | |
| Length of rising mains | km | 0 | 434 | | | |
| Length of other wastewater network pipework | km | 0 | 198 | | | |
| Total length of "legacy" public sewers as at 31 March | km | 0 | 16640 | | | |
| Length of formerly private sewers and lateral drains (s105A sewers) | km | 0 | 13510 | | | |

| 7C.1 |
|-------|
| 7C.2 |
| 7C.3 |
| 7C.4 |
| 7C.5 |
| 7C.6 |
| 7C.7 |
| 7C.8 |
| 7C.9 |
| 7C.10 |
| 7C.11 |
| 7C.12 |
| 7C.13 |
| 7C.14 |
| 7C.15 |
| 7C.16 |
| 7C.17 |
| 7C.18 |
| 7C.19 |
| 7C.20 |
| 7C.21 |
| 7C.22 |
| |

Pro forma 7D

| it works da | ta for t | he 12 mon | ths ended 31s | st March 202 | 1 | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|-----------------------|---|---|------------|--|--|---|--|----------------------|----------------------|--|----------------------|--|----------------|--|--|---|---|--|--|--|-----------|--|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | - | | - Corner | nden. | Treatment | | lan. | | | | | Obecehoose | | | | | | | sents | | | | | | | |
| | | | Secol | lidary | | len | liary | 1 | - | | 1 | Priospriorus | I | 1 | | T | | 1 | T | T. | | 1 | , Admi | lionia | T | 1 |
| Units | DPs | Primary | Activated Sludge | Biological | A1 | A2 | 81 | 82 | Total | <=0.5mg/l | >0.5 to <=1mg/l | >1mg/l | No permit | Total | <=7mg/l | >7 to <=10mg/l | >10 to <=20mg/l | >20mg/l | No permit | Total | ←1mg/l | >1 to <=3mg/l | >3 to <=10mg/l | >10mg/l | No permit | Total |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| kg BOD _s /day | 0 | 110 | 91 | 719 | 0 | 0 | 21 | 0 | 941.000 | 0 | 0 | 0 | 941 | 941.000 | 0 | 0 | 10 | 260 | 671 | 941.000 | 0 | 0 | 0 | 113 | 828 | 941.000 |
| kg BOD ₅ /day | 0 | 0 | 0 | 527 | 0 | 0 | 0 | 54 | 581.000 | 0 | 0 | 0 | 581 | 581.000 | 0 | 0 | 73 | 471 | 37 | 581.000 | 0 | 0 | 50 | 216 | 315 | 581.000 |
| kg BOD ₅ /day | 0 | 0 | 0 | 2457 | 0 | 0 | 0 | 336 | 2793.000 | 0 | 262 | 74 | 2457 | 2793.000 | 0 | 0 | 407 | 2266 | 120 | 2793.000 | 0 | 0 | 868 | 1069 | 856 | 2793.000 |
| kg BOD _s /day | 0 | 0 | 1209 | 4120 | 0 | 0 | 2803 | 2377 | 10509.000 | 0 | 784 | 1327 | 8398 | 10509.000 | 0 | 2094 | 3297 | 5118 | 0 | 10509.000 | 0 | 798 | 5023 | 2861 | 1827 | 10509.00 |
| kg BOD ₅ /day | 0 | 0 | 1741 | 687 | 0 | 2554 | 0 | 5334 | 10316.000 | 0 | 2015 | 5872 | 2429 | 10316.000 | 0 | 2178 | 2392 | 5746 | 0 | 10316.000 | 0 | 2016 | 2223 | 3018 | 3059 | 10316.00 |
| kg BOD ₅ /day | 0 | 0 | 17597 | 6170 | 0 | 108592 | 1772 | 8429 | 142560.000 | 0 | 3038 | 11586 | 127936 | 142560.000 | 0 | 3038 | 4503 | 135019 | 0 | 142560.000 | 0 | 3157 | 11744 | 34221 | 93438 | 142560.00 |
| kg BOD ₅ /day | 0 | 110.000 | 20638.000 | 14680.000 | 0.000 | 111146.000 | 4596.000 | 16530.000 | 167700.000 | 0.000 | 6099.000 | 18859.000 | 142742.000 | 167700.000 | 0.000 | 7310.000 | 10682.000 | 148880.000 | 828.000 | 167700.000 | 0.000 | 5971.000 | 19908.000 | 41498.000 | 100323.000 | 167700.00 |
| kg BOD ₅ /day | 0 | | | | | | | | 7704 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| nr | 0 | 87 | 11 | 172 | 0 | 0 | 2 | 0 | 272.000 | 0 | 0 | 0 | 272 | 272.000 | 0 | 0 | 2 | 23 | 247 | 272.000 | 0 | 0 | 0 | 9 | 263 | 272.000 |
| nr | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 2 | 27.000 | 0 | 0 | 0 | 27 | 27.000 | 0 | 0 | 3 | 22 | 2 | 27.000 | 0 | 0 | 2 | 10 | 15 | 27.000 |
| nr | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 4 | 44.000 | 0 | 3 | 1 | 40 | 44.000 | 0 | 0 | 7 | 35 | 2 | 44.000 | 0 | 0 | 15 | 16 | 13 | 44.000 |
| nr | 0 | 0 | 3 | 16 | 0 | 0 | 9 | 7 | 35.000 | 0 | 2 | 3 | 30 | 35.000 | 0 | 6 | 10 | 19 | 0 | 35.000 | 0 | 2 | 17 | 9 | 7 | 35.000 |
| nr | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 6 | 11.000 | 0 | 2 | 6 | 3 | 11.000 | 0 | 2 | 2 | 7 | 0 | 11.000 | 0 | 2 | 2 | 3 | 4 | 11.000 |
| nr | 0 | 0 | 7 | 1 | 0 | 8 | 1 | 4 | 21.000 | 0 | 1 | 5 | 15 | 21.000 | 0 | 1 | 2 | 18 | 0 | 21.000 | 0 | 1 | 5 | 4 | 11 | 21.000 |
| nr | 0 | 87.000 | 23.000 | 255.000 | 0.000 | 10.000 | 12.000 | 23.000 | 410.000 | 0.000 | 8.000 | 15.000 | 387.000 | 410.000 | 0.000 | 9.000 | 26.000 | 124.000 | 251.000 | 410.000 | 0.000 | 5.000 | 41.000 | 51.000 | 313.000 | 410.000 |
| | leg BODs/day leg B | leg BOD,/day 0 leg BO | Units DPs Primary | New New | New York New York | | Treatment categories Treatment categories | Treatment categories Treatment Tentrary Tentrar | No. No. | Treatment categories Treatment categories | Treatment categories | Treatment categories | Company Comp | Treatment categories | Variety Vari | | Company Comp | Principle Prin | Primary Primary Accorded Sudge Bedged A1 A2 B1 B2 Total | Property Property | Primary Prim | The column The | Transform Tran | | Parish P | Paris Pari |

| Population equivalent | 1 | | |
|---|------|---|----------|
| Current population equivalent served by STWs | 000s | 3 | 2887.459 |
| Current population equivalent served by filter bed or activated sludge STWs with tightened/new P consents | 000s | 3 | 0.000 |
| Current population equivalent served by STWs with tightened/new N consents | 000s | 3 | 0.000 |
| Current population equivalent served by STWs with tightened/new sanitary parameter consents | 000s | 3 | 0.000 |
| Current population equivalent served by STWs with tightened/new UV consents | 000s | 3 | 0.000 |
| Population equivalent treatment capacity enhancement | 000s | 3 | 0.000 |
| Current population equivalent served by STW with tightened / new consents for chemicals | 000s | 3 | 0.000 |
| Cumulative shortfall in FFT addressed by WINEP / NEP schemes to increase STW capacity | l/s | 3 | 0.000 |
| Additional storm tank capacity provided at STWs | m3 | 3 | 0.000 |
| Additional volume of network storage at CSOs etc to reduce spill frequency | m3 | 3 | 0.000 |

Pro forma 7E

Northumbrian Water

Wastewater network+ - Energy consumption and other data for the 12 m

| Line description | Units | DPs | Input | RAG 4 reference |
|---|-----------------|-----|------------|-----------------|
| Other | | | | |
| Total sewerage catchment area | km ² | 0 | 1323 | 7E.1 |
| Designated coastal bathing waters | nr | 0 | 34 | 7E.2 |
| Number of intermittent discharge sites with event duration monitoring | nr | 0 | 81 | 7E.3 |
| Number of monitors for flow monitoring at STWs | nr | 0 | 0 | 7E.4 |
| Number of odour related complaints | | 0 | 1615 | 7E.5 |
| Energy consumption | | | | |
| Energy consumption - sewage collection | MWh | 3 | 52741.595 | 7E.6 |
| Energy consumption - sewage treatment | MWh | 3 | 128121.119 | 7E.7 |
| Energy consumption - wastewater network + | MWh | 3 | 180862.714 | 7E.8 |

Pro forma 8A

Northumbrian Water

Bioresources sludge data for the 12 months ended 31st M

| Line description | Units | DPs | Total | RAG 4 reference |
|--|---------------------------|-----|----------|-----------------|
| | | | | |
| Total sewage sludge produced, treated by incumbents | ttds/ year | 1 | 70.0 | 8A.1 |
| Total sewage sludge produced, treated by 3 rd party sludge service provider | ttds/ year | 1 | 0.0 | 8A.2 |
| Total sewage sludge produced | ttds/ year | 1 | 70.0 | 8A.3 |
| Total sewage sludge produced from non-appointed liquid waste treatment | ttds/ year | 1 | 0.6 | 8A.4 |
| | | | | |
| Percentage of sludge produced and treated at a site of STW and STC co-location | % | 2 | 61.25 | 8A.5 |
| | | | | |
| Total sewage sludge disposed by incumbents | ttds/ year | 1 | 27.8 | 8A.6 |
| Total sewage sludge disposed by 3 rd party sludge service provider | ttds/ year | 1 | 0.0 | 8A.7 |
| Total sewage sludge disposed | ttds/ year | 1 | 27.8 | 8A.8 |
| | | | | |
| Total measure of intersiting 'work' done by pipeline | ttds*km/ year | 0 | 0 | 8A.9 |
| Total measure of intersiting 'work' done by tanker | ttds*km/ year | 0 | 793 | 8A.10 |
| Total measure of intersiting 'work' done by truck | ttds*km/ year | 0 | 727 | 8A.11 |
| Total measure of intersiting 'work' done (all forms of transportation) | ttds*km/ year | 0 | 1520 | 8A.12 |
| | | | | |
| Total measure of of intersiting 'work' done by tanker (by volume transported) | m ³ *km/y r | 0 | 21812679 | 8A.13 |
| | | | | |
| Total measure of 'work' done in sludge disposal operations by pipeline | ttds*km/ year | 0 | 0 | 8A.14 |
| Total measure of 'work' done in sludge disposal operations by tanker | ttds*km/ year | 0 | 0 | 8A.15 |
| Total measure of 'work' done in sludge disposal operations by truck | ttds*km/ year | 0 | 917 | 8A.16 |
| Total measure of 'work' done in sludge disposal operations (all forms of transportation) | ttds*km/ year | 0 | 917 | 8A.17 |
| | | | | |
| Total measure of 'work' done by tanker in sludge disposal operations (by volume transported) | m ³ *km/y r | 0 | 0 | 8A.18 |
| Chemical P sludge as % of sludge produced at STWs | % | 2 | 15.19 | 8A.19 |

Pro forma 8B

| Bioresources operating expenditure analysis for the 12 months ended 31st March 2021 | | | | | | | | | | | | |
|--|-------|-----|------------------|-----------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------------|------------------------------------|-------|---------|-----------------|
| Line description | Units | DPs | Pipeline | Tanker | Truck | Total | | | | | | RAG 4 reference |
| Sludge transport method | | | | | | | | | | | | |
| Power | £m | 3 | 0.000 | 1.025 | 0.000 | 1.025 | | | | | | 8B.1 |
| Income treated as negative expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.2 |
| Discharge consents | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.3 |
| Bulk discharge | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.4 |
| Other operating expenditure |] | | | | | | _ | | | | | |
| Renewals expensed in year (Infrastructure) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.5 |
| Renewals expensed in year (Non-Infrastructure) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.6 |
| Other operating expenditure excluding renewals - direct | £m | 3 | 0.000 | 2.355 | 0.000 | 2.355 | | | | | | 8B.7 |
| Other operating expenditure excluding renewals - indirect | £m | 3 | 0.000 | 0.456 | 0.000 | 0.456 | | | | | | 8B.8 |
| Total functional expenditure | £m | 3 | 0.000 | 3.836 | 0.000 | 3.836 | | | | | | 8B.9 |
| Local authority and Cumulo rates | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | | | | | | 8B.10 |
| Total operating expenditure (excluding 3rd party) | £m | 3 | 0.000 | 3.836 | 0.000 | 3.836 | | | | | | 8B.11 |
| Line description | Units | DPs | Untreated Sludge | Raw Sludge liming | Conventional AD | Incineration of raw sludge | Incineration of digested Sludge | Photo- conditioning/ composting | Advanced Anaerobic Digestion | Other | Total | |
| Sludge treatment type | 1 | | 1 | | | 1 | | | | | | |
| Power | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -2.550 | 0.000 | -2.550 | 8B.12 |
| Income treated as negative expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -11.973 | 0.000 | -11.973 | 8B.13 |
| Discharge consents | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 8B.14 |
| Bulk discharge | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 8B.15 |
| | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | |
| Other operating expenditure | | | 0.000 | 0.000 | | 0.000 | | | 0.000 | 0.000 | 0.000 | |
| Renewals expensed in year (Infrastructure) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 8B.16 |
| Renewals expensed in year (Non-Infrastructure) Other operating expenditure excluding renewals - | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.128 | 0.000 | 0.128 | 8B.17 |
| direct Other operating expenditure excluding renewals - | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 6.979 | 0.000 | 6.979 | 8B.18 |
| indirect | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.348 | 0.000 | 2.348 | 8B.19 |
| Total functional expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -5.068 | 0.000 | -5.068 | 8B.20 |
| Local authority and Cumulo rates | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.432 | 0.000 | 1.432 | 8B.21 |
| Total operating expenditure (excluding 3rd party) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | -3.636 | 0.000 | -3.636 | 8B.22 |
| Line description | Units | DPs | landfill, raw | landfill, partly treated | land restoration/ reclamation | sludge recycled to farmland | Other | Total | | | | |
| Sludge disposal route | | 1 | | | | | | | I | | | |
| Power | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.23 |
| Income treated as negative expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.24 |
| Discharge consents | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.25 |
| Bulk discharge | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.26 |
| Other operating expenditure | | T | l | | I | I | l | | ı | | | |
| Renewals expensed in year (Infrastructure) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.27 |
| Renewals expensed in year (Non-Infrastructure) | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.28 |
| Other operating expenditure excluding renewals - direct | £m | 3 | 0.000 | 0.000 | 0.000 | 1.037 | 0.000 | 1.037 | | | | 8B.29 |
| Other operating expenditure excluding renewals - indirect | £m | 3 | 0.000 | 0.000 | 0.000 | 0.248 | 0.000 | 0.248 | | | | 8B.30 |
| Total functional expenditure | £m | 3 | 0.000 | 0.000 | 0.000 | 1.285 | 0.000 | 1.285 | | | | 8B.31 |
| Local authority and Cumulo rates | £m | 3 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | | | | 8B.32 |
| Total operating expenditure (excluding 3rd party) | £m | 3 | 0.000 | 0.000 | 0.000 | 1.285 | 0.000 | 1.285 | | | | 8B.33 |
| | | | | | | | | | | | | |

Pro forma 8C

Northumbrian Water

Bioresources energy and liquors analysis for the 12 months ended 31st March 2021

| Line description | Units I | DPs | Electricity | Heat | Biomethane | Total | Electricity | Heat | Biomethane | Total | BAC 4 rof |
|------------------|---------|-----|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| | | DFS | MWh (0 DPs) | MWh (0 DPs) | MWh (0 DPs) | MWh (0 DPs) | £m (3 DPs) | £m (3 DPs) | £m (3 DPs) | £m (3 DPs) | RAG 4 refe |

RAG 4 reference

| Energy | | | | | | | | | | |
|--|-----------------------|-----------------------|-------|-------|--------|--------|-------|-------|-------|-------|
| Energy consumption - bioresources | SE Column Headings | SE Column Headings | | | | | | | | 3.596 |
| Energy generated by and used in bioresources control | SE Column Headings | SE Column Headings | 17212 | 51543 | 21100 | 89855 | 2.191 | 0.587 | 0.230 | 3.008 |
| Energy generated by bioresources and used in network plus control | SE Column Headings | SE Column Headings | 56454 | 0 | 0 | 56454 | 6.970 | 0.000 | 0.000 | 6.970 |
| Energy generated by bioresources and exported to the grid or third party | SE Column Headings | SE Column Headings | 254 | 0 | 145129 | 145383 | 0.033 | 0.000 | 1.661 | 1.694 |
| Energy generated by bioresources that is unused | SE Column Headings | SE Column Headings | 0 | 3977 | 5204 | 9181 | | | | |
| Energy bought from grid or third party and used in bioresources control | SE Column Headings | SE Column Headings | 4361 | 0 | 220510 | 224871 | 0.513 | 0.000 | 3.083 | 3.596 |

| 8C.1 |
|------|
| 8C.2 |
| 8C.3 |
| 8C.4 |
| 8C.5 |
| 8C.6 |

| Income from renewable energy subsidies | Unit | DPs | Value |
|--|------|-----|--------|
| Income claimed from Renewable Energy Certificates (ROCs) | £m | 3 | 0.441 |
| Income claimed from Renewable Heat Incentives (RHIs) | £m | 3 | 9.872 |
| Income claimed from [other renewable energy subsidy (1)] | £m | 3 | 0.000 |
| Income claimed from [other renewable energy subsidy (2)] | £m | 3 | 0.000 |
| Income claimed from [other renewable energy subsidy (3)] | £m | 3 | 0.000 |
| Total income claimed from renewable energy subsidies | £m | 3 | 10.313 |
| % of total number of renewable energy subsidies due to expire in the next 2 financial years | % | 0 | 0% |
| This year's value of renewable energy subsidies due to expire in the next 2 financial years | £m | 3 | 0.000 |

| 8C.7 |
|-------|
| 8C.8 |
| 8C.9 |
| 8C.10 |
| 8C.11 |
| 8C.12 |
| 8C.13 |
| 8C.14 |
| |

Note: Companies to input specific subsidy which is being referenced in lines 8C.8 - 8C.10.

| Bioresources liquors treated by network plus | Unit | DPs | Value |
|--|------------|-----|-------|
| BOD load of liquor or partially treated liquor returned from bioresources to network plus | kg/d | 0 | 13650 |
| Ammonia load of liquor or partially treated liquor returned from bioresources to network plus | kg Amm-N/d | 0 | 1212 |
| Recharge to Bioresources by network plus for costs of handling and treating bioresources liquors | £m | 3 | 5.479 |

8C.15 8C.16 8C.17

Pro forma 8D

Northumbrian Water

Bioresources sludge treatment and disposal data for the 12 months ende

| Line description | Units | DPs | By incumbent | By 3rd party sludge service providers | RAG 4 reference |
|--|-------|-----|--------------|---|-----------------|
| Sludge treatment process | | | | | |
| % Sludge - untreated | % | 1 | 0.0 | 0.0 | 8D.1 |
| % Sludge treatment process - raw sludge liming | % | 1 | 0.0 | 0.0 | 8D.2 |
| % Sludge treatment process - conventional AD | % | 1 | 0.0 | 0.0 | 8D.3 |
| % Sludge treatment process - advanced AD | % | 1 | 100.0 | 0.0 | 8D.4 |
| % Sludge treatment process - incineration of raw sludge | % | 1 | 0.0 | 0.0 | 8D.5 |
| % Sludge treatment process - other (specify) | % | 1 | 0.0 | 0.0 | 8D.6 |
| % Sludge treatment process - Total | % | 1 | 100.0 | 0.0 | 8D.7 |
| (Un-incinerated) sludge disposal and recycling route | | | | | |
| % Sludge disposal route - landfill, raw | % | 1 | 0.0 | 0.0 | 8D.8 |
| % Sludge disposal route - landfill, partly treated | % | 1 | 0.0 | 0.0 | 8D.9 |
| % Sludge disposal route - land restoration/ reclamation | % | 1 | 0.0 | 0.0 | 8D.10 |
| % Sludge disposal route - sludge recycled to farmland | % | 1 | 100.0 | 0.0 | 8D.11 |
| % Sludge disposal route - other (specify) | % | 1 | 0.0 | 0.0 | 8D.12 |
| % Sludge disposal route - Total | % | 1 | 100.0 | 0.0 | 8D.13 |