

Pro forma 4Q

Northumbrian Water

Developer services - New connections, properties 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
Length of new mains (km) - SLPs	nr	0	34			4Q.14

Pro forma 4R
Northumbrian Water

Connected properties, customers and population

Line description	Units	Dps	Unmeasured	Measured	Total	Voids	RAG 4 reference
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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

Line description	Units	Dps	Water			Wastewater		
			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

Line description	Units	Dps	Water								Total
			Unmeasured				Measured				
			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				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

Line description	Units	Dps	Water	Wastewater
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Population data

Resident population	000s	3	4652.114	2673.325	4R.26
Business population	000s	3		17.947	4R.27

Pro forma 5A

Northumbrian Water

Water resources asset and volumes data for the 12 months end

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	58.1
Income treated as negative expenditure	£m	3	-0.298	0.000	0.000	0.000	0.000	0.000	0.000	-0.298	58.2
Abstraction charges / discharge consents	£m	3	1.520	5.977	34.258	1.238	0.000	0.000	0.000	42.993	58.3
Bulk supply	£m	3	0.000	0.000	1.079	0.000	0.000	0.000	0.000	1.079	58.4
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	58.5
Renewals expensed in year (Non-Infrastructure)	£m	3	0.092	0.092	0.092	0.092	0.000	0.000	0.000	0.368	58.6
Other operating expenditure excluding renewals - direct	£m	3	1.979	1.346	1.282	0.456	0.000	0.000	0.000	5.063	58.7
Other operating expenditure excluding renewals - indirect	£m	3	0.691	0.470	0.448	0.159	0.000	0.000	0.000	1.768	58.8
Local authority and Cumulo rates	£m	3	1.482	1.101	0.254	1.397	0.000	0.000	0.000	4.234	58.9
Total operating expenditure (excluding 3rd party)	£m	3	5.549	10.314	42.225	4.665	0.000	0.000	0.000	62.753	58.10

Pro forma 6A

Northumbrian Water

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

Line description	Units	DPs	Input	RAG 4 reference	
Raw water transport and storage					
Total number of balancing reservoirs	nr	0	6	6A.1	
Total volumetric capacity of balancing reservoirs	MI	0	1656	6A.2	
Total number of raw water transport stations	nr	0	6	6A.3	
Total installed power capacity of raw water transport pumping stations	kW	0	3166	6A.4	
Total length of raw water transport mains and other conveyors	km	2	335.46	6A.5	
Average pumping head ~ raw water transport	m.hd	2	7.50	6A.6	
Energy consumption ~ raw water transport	MWh	3	29133.286	6A.7	
Total number of raw water transport imports	nr	0	1	6A.8	
Water imported from 3rd parties' raw water transport systems	MI/d	2	86.83	6A.9	
Total number of raw water transport exports	nr	0	0	6A.10	
Water exported to 3rd parties' raw water transport systems	MI/d	2	0.00	6A.11	
Total length of raw and pre-treated (non-potable) water transport mains for supplying customers	km	2	183.33	6A.12	
Water treatment - treatment type analysis					
	Surface water		Ground water		
	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	6A.13
W1 works	0.00	0	17.24	10	6A.14
W2 works	0.00	0	7.40	4	6A.15
W3 works	18.33	5	18.80	4	6A.16
W4 works	783.06	14	14.98	6	6A.17
W5 works	306.31	4	19.84	5	6A.18
W6 works	0.00	0	0.00	0	6A.19
Water treatment - works size					
	% of total	Number of works			
Units	DI	nr			
DPs	1	0			
WTWs in size band 1	0.4	12		6A.20	
WTWs in size band 2	1.2	7		6A.21	
WTWs in size band 3	2.9	10		6A.22	
WTWs in size band 4	2.8	4		6A.23	
WTWs in size band 5	4.3	3		6A.24	
WTWs in size band 6	14.9	6		6A.25	
WTWs in size band 7	31.5	4		6A.26	
WTWs in size band 8	42.0	4		6A.27	
Water treatment - other information					
	Units	DPs	Input		
Total water treated at more than one type of works	MI/d	2	0.00	6A.28	
Number of treatment works requiring remedial action because of raw water deterioration	nr	0	3	6A.29	
Zonal population receiving water treated with orthophosphate	000's	3	4526.073	6A.30	
Average pumping head – water treatment	m.hd	2	2.31	6A.31	
Energy consumption ~ water treatment	MWh	3	27552.655	6A.32	
Total number of water treatment imports	nr	0	0	6A.33	
Water imported from 3rd parties' water treatment works	MI/d	2	0.00	6A.34	
Total number of water treatment exports	nr	0	0	6A.35	
Water exported to 3rd parties' water treatment works	MI/d	2	0.00	6A.36	

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

Pro forma 6C

Northumbrian Water

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

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				
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
Treated water distribution - mains age profile				
Total length of potable mains laid or structurally refurbished pre-1880	km	1	24.7	6C.12
Total length of potable mains laid or structurally refurbished between 1881 and 1900	km	1	189.4	6C.13
Total length of potable mains laid or structurally refurbished between 1901 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				
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
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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

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

Leakage activities - Totex expenditure	Units	DPs	Maintaining leakage	Reducing leakage	Total	RAG 4 reference
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

Table with multiple columns and rows, likely a financial or operational report. The table is partially visible at the top of the page and contains various data points across several rows and columns.

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	7C.1
Number of s101A schemes completed in the report year	nr	0	0	7C.2
Total pumping station capacity	kW	0	44366	7C.3
Number of network pumping stations	nr	0	981	7C.4
Total number of sewer blockages	nr	0	12023	7C.5
Total number of gravity sewer collapses	nr	0	255	7C.6
Total number of sewer rising main bursts	nr	0	41	7C.7
Number of combined sewer overflows	nr	0	1432	7C.8
Number of emergency overflows	nr	0	256	7C.9
Number of settled storm overflows	nr	0	117	7C.10
Sewer age profile (constructed post 2001)	km	0	1178	7C.11
Volume of trade effluent	MI/yr	2	5786.65	7C.12
Volume of wastewater receiving treatment at sewage treatment works	MI/yr	2	351256.20	7C.13
Length of gravity sewers rehabilitated	km	0	54	7C.14
Length of rising mains replaced or structurally refurbished	km	0	0	7C.15
Length of foul (only) public sewers	km	0	3095	7C.16
Length of surface water (only) public sewers	km	0	4518	7C.17
Length of combined public sewers	km	0	8395	7C.18
Length of rising mains	km	0	434	7C.19
Length of other wastewater network pipework	km	0	198	7C.20
Total length of "legacy" public sewers as at 31 March	km	0	16640	7C.21
Length of formerly private sewers and lateral drains (s105A sewers)	km	0	13510	7C.22

Pro forma 7D
Northumbrian Water

Wastewater network - Sewage treatment works data for the 12 months ended 31st March 2021

Line description	Units	DPs	Treatment categories							Treatment works consents																			
			Primary	Secondary		Tertiary			Phosphorus					Ammonia															
				Activated Sludge	Biological	A1	A2	B1	B2	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		
Load received at sewage treatment works																													
Load received by STWs in size band 1	kg BOD ₅ /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		
Load received by STWs in size band 2	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		
Load received by STWs in size band 3	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		
Load received by STWs in size band 4	kg BOD ₅ /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	10509.000		
Load received by STWs in size band 5	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	10316.000		
Load received by STWs above size band 5	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	142560.000		
Total load received	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	18858.000	142742.000	167700.000	0.000	7310.000	10682.000	148880.000	828.000	167700.000	0.000	5871.000	19908.000	41498.000	100323.000	167700.000		
Load received from trade effluent customers at treatment works	kg BOD ₅ /day	0								7704																			
Number of sewage treatment works																													
STWs in size band 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		
STWs in size band 2	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		
STWs in size band 3	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		
STWs in size band 4	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		
STWs in size band 5	nr	0	0	2	1	0	2	0	6	11.000	0	0	2	6	11.000	0	2	2	7	0	11.000	0	2	2	3	4	11.000		
STWs above size band 5	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		
Total number of works	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		
Population equivalent																													
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 FFI addressed by WINEP / NIP 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	nr	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

Northumbrian Water

Bioresources operating expenditure analysis for the 12 months ended 31st March 2021

Line description	Units	DPs	Pipeline	Tanker	Truck	Total	RAG 4 reference
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Sludge transport method							
Power	£m	3	0.000	1.025	0.000	1.025	88.1
Income treated as negative expenditure	£m	3	0.000	0.000	0.000	0.000	88.2
Discharge consents	£m	3	0.000	0.000	0.000	0.000	88.3
Bulk discharge	£m	3	0.000	0.000	0.000	0.000	88.4

Other operating expenditure							RAG 4 reference
Renewals expensed in year (Infrastructure)	£m	3	0.000	0.000	0.000	0.000	88.5
Renewals expensed in year (Non-Infrastructure)	£m	3	0.000	0.000	0.000	0.000	88.6
Other operating expenditure excluding renewals - direct	£m	3	0.000	2.355	0.000	2.355	88.7
Other operating expenditure excluding renewals - indirect	£m	3	0.000	0.456	0.000	0.456	88.8
Total functional expenditure	£m	3	0.000	3.836	0.000	3.836	88.9
Local authority and Cumulo rates	£m	3	0.000	0.000	0.000	0.000	88.10
Total operating expenditure (excluding 3rd party)	£m	3	0.000	3.836	0.000	3.836	88.11

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	RAG 4 reference
Power	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	-2.550	0.000	-2.550	88.12
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	88.13
Discharge consents	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	88.14
Bulk discharge	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	88.15

Other operating expenditure												RAG 4 reference	
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	0.000	88.16
Renewals expensed in year (Non-Infrastructure)	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	0.128	0.000	0.128	0.128	88.17
Other operating expenditure excluding renewals - direct	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	6.979	0.000	6.979	6.979	88.18
Other operating expenditure excluding renewals - indirect	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	2.348	0.000	2.348	2.348	88.19
Total functional expenditure	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	-5.068	0.000	-5.068	-5.068	88.20
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	1.432	88.21
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	-3.636	88.22

Line description	Units	DPs	landfill, raw	landfill, partly treated	land restoration/reclamation	sludge recycled to farmland	Other	Total	RAG 4 reference
Power	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.23
Income treated as negative expenditure	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.24
Discharge consents	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.25
Bulk discharge	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.26

Other operating expenditure									RAG 4 reference
Renewals expensed in year (Infrastructure)	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.27
Renewals expensed in year (Non-Infrastructure)	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.28
Other operating expenditure excluding renewals - direct	£m	3	0.000	0.000	0.000	1.037	0.000	1.037	88.29
Other operating expenditure excluding renewals - indirect	£m	3	0.000	0.000	0.000	0.248	0.000	0.248	88.30
Total functional expenditure	£m	3	0.000	0.000	0.000	1.285	0.000	1.285	88.31
Local authority and Cumulo rates	£m	3	0.000	0.000	0.000	0.000	0.000	0.000	88.32
Total operating expenditure (excluding 3rd party)	£m	3	0.000	0.000	0.000	1.285	0.000	1.285	88.33

Pro forma 8C

Northumbrian Water

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

Line description	Units	DPs	Electricity	Heat	Biomethane	Total	Electricity	Heat	Biomethane	Total	RAG 4 reference
			MWh (0 DPs)	MWh (0 DPs)	MWh (0 DPs)	MWh (0 DPs)	£m (3 DPs)	£m (3 DPs)	£m (3 DPs)	£m (3 DPs)	

Energy												
Energy consumption - bioresources	SE Column Headings	SE Column Headings									3.596	8C.1
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	8C.2
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	8C.3
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	8C.4
Energy generated by bioresources that is unused	SE Column Headings	SE Column Headings	0	3977	5204	9181						8C.5
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.6

Income from renewable energy subsidies	Unit	DPs	Value	
Income claimed from Renewable Energy Certificates (ROCs)	£m	3	0.441	8C.7
Income claimed from Renewable Heat Incentives (RHIs)	£m	3	9.872	8C.8
Income claimed from [other renewable energy subsidy (1)]	£m	3	0.000	8C.9
Income claimed from [other renewable energy subsidy (2)]	£m	3	0.000	8C.10
Income claimed from [other renewable energy subsidy (3)]	£m	3	0.000	8C.11
Total income claimed from renewable energy subsidies	£m	3	10.313	8C.12
% of total number of renewable energy subsidies due to expire in the next 2 financial years	%	0	0%	8C.13
This year's value of renewable energy subsidies due to expire in the next 2 financial years	£m	3	0.000	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	8C.15
Ammonia load of liquor or partially treated liquor returned from bioresources to network plus	kg Amm-N/d	0	1212	8C.16
Recharge to Bioresources by network plus for costs of handling and treating bioresources liquors	£m	3	5.479	8C.17

Pro forma 8D

Northumbrian Water

Bioresources sludge treatment and disposal data for the 12 months ended

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