

**AFFINITY WATER LIMITED**

REGULATORY TABLES 4P AND 4Q  
FOR THE YEAR ENDED 31 MARCH 2019

## Affinity Water Limited

The following tables are not required to be included in Affinity Water Limited's (the 'company's') annual performance report but have still been prepared in accordance with the Regulatory Accounting Guidelines ('RAGs') published by Ofwat. The company's annual performance report for the year ended 31 March 2019 is available on our stakeholder website: [stakeholder.affinitywater.co.uk](http://stakeholder.affinitywater.co.uk).

For information on the assurance procedures performed in relation to the tables contained in this document and the results of these procedures, please refer to our Data Assurance Report, which is published on our stakeholder website: [stakeholder.affinitywater.co.uk](http://stakeholder.affinitywater.co.uk).

### 4P - Non-financial data for WR, WT and WD for the 12 months ended 31 March 2019 - wholesale water

Water resources	Units	Input
Proportion of distribution input derived from impounding reservoirs	Propn 0 to 1	0.003
Proportion of distribution input derived from pumped storage reservoirs	Propn 0 to 1	0.005
Proportion of distribution input derived from river abstractions	Propn 0 to 1	0.371
Proportion of distribution input derived from groundwater works, excluding managed aquifer recharge (MAR) water supply schemes	Propn 0 to 1	0.621
Proportion of distribution input derived from artificial recharge (AR) water supply schemes	Propn 0 to 1	0.000
Proportion of distribution input derived from aquifer storage and recovery (ASR) water supply schemes	Propn 0 to 1	0.000
Proportion of distribution input derived from saline abstractions	Propn 0 to 1	0.000
Proportion of distribution input derived from water reuse schemes	Propn 0 to 1	0.000
Number of impounding reservoirs	Nr	2
Number of pumped storage reservoirs	Nr	1
Number of river abstractions	Nr	4
Number of groundwater works excluding managed aquifer recharge (MAR) water supply schemes	Nr	118
Number of artificial recharge (AR) water supply schemes	Nr	0
Number of aquifer storage and recovery (ASR) water supply schemes	Nr	0
Number of saline abstraction schemes	Nr	0
Total number of sources	Nr	125
Number of reuse schemes	Nr	0
Total number of water reservoirs	Nr	3
Total capacity of water reservoirs	MI	4,149
Total number of intake and source pumping stations	Nr	125
Total number of raw water transport stations	Nr	36
Total capacity of intake and source pumping stations	kW	13,424
Total capacity of raw water transfer pumping stations	kW	8,100
Total length of raw water abstraction mains and other conveyors	km	0.00
Average pumping head – raw water abstraction	m.hd	17.71
Average pumping head – raw water transport	m.hd	18.60
Total length of raw and pre-treated (non-potable) water transport mains	km	241.40
Water resources capacity (measured using water resources yield)	MI/d	1,149.61

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### 4P - Non-financial data for WR, WT and WD for the 12 months ended 31 March 2019 - wholesale water (continued)

<b>Water treatment</b>	<b>Units</b>	<b>Input</b>
Total water treated at all SW simple disinfection works	MI/d	0.00
Total water treated at all SW1 works	MI/d	0.00
Total water treated at all SW2 works	MI/d	0.00
Total water treated at all SW3 works	MI/d	0.00
Total water treated at all SW4 works	MI/d	1.79
Total water treated at all SW5 works	MI/d	382.31
Total water treated at all SW6 works	MI/d	0.00
Total water treated at all GW simple disinfection works	MI/d	26.73
Total water treated at all GW1 works	MI/d	0.00
Total water treated at all GW2 works	MI/d	10.70
Total water treated at all GW3 works	MI/d	65.89
Total water treated at all GW4 works	MI/d	281.48
Total water treated at all GW5 works	MI/d	184.23
Total water treated at all GW6 works	MI/d	0.00
Total water treated at more than one type of works	MI/d	0.00
Total number of SW simple disinfection works	Nr	0
Total number of SW1 works	Nr	0
Total number of SW2 works	Nr	0
Total number of SW3 works	Nr	0
Total number of SW4 works	Nr	0
Total number of SW5 works	Nr	5
Total number of SW6 works	Nr	0
Total number of GW simple disinfection works	Nr	7
Total number of GW1 works	Nr	0
Total number of GW2 works	Nr	5
Total number of GW3 works	Nr	6
Total number of GW4 works	Nr	57
Total number of GW5 works	Nr	15
Total number of GW6 works	Nr	0
Number of treatment works requiring remedial action because of raw water deterioration	Nr	6
Zonal population receiving water treated with orthophosphate	000's	2,814.007
Average pumping head – water treatment	m.hd	15.03

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## 4P - Non-financial data for WR, WT and WD for the 12 months ended 31 March 2019 - wholesale water (continued)

<b>Water distribution</b>	<b>Units</b>	<b>Input</b>
Total length of potable mains as at 31 March	km	16,728.8
Total length of potable mains relined	km	0.0
Total length of potable mains renewed	km	51.4
Total length of new potable mains	km	53.7
Total length of potable water mains ≤ 320mm	km	15,458.2
Total length of potable water mains > 320mm and ≤ 450mm	km	602.9
Total length of potable water mains > 450mm and ≤ 610mm	km	491.8
Total length of potable water mains > 610mm	km	175.9
Capacity of booster pumping stations	kW	54,527
Capacity of service reservoirs	MI	1,525
Capacity of water towers	MI	38
Distribution input	MI/d	953.12
Water delivered (non-potable)	MI/d	0.96
Water delivered (potable)	MI/d	801.19
Water delivered (billed measured residential)	MI/d	270.43
Water delivered (billed measured business)	MI/d	173.43
Total leakage	MI/d	196.08
Distribution losses	MI/d	151.14
Water taken unbilled	MI/d	11.88
Number of lead communication pipes	Nr	321,465
Number of galvanised iron communication pipes	Nr	247,163
Number of other communication pipes	Nr	470,582
Number of booster pumping stations	Nr	282
Total number of service reservoirs	Nr	109
Number of water towers	Nr	44
Total length of potable mains laid or structurally refurbished pre-1880	km	77.3
Total length of potable mains laid or structurally refurbished between 1881 and 1900	km	205.7
Total length of potable mains laid or structurally refurbished between 1901 and 1920	km	616.5
Total length of potable mains laid or structurally refurbished between 1921 and 1940	km	2,522.1
Total length of potable mains laid or structurally refurbished between 1941 and 1960	km	3,901.6
Total length of potable mains laid or structurally refurbished between 1961 and 1980	km	3,757.5
Total length of potable mains laid or structurally refurbished between 1981 and 2000	km	2,759.4
Total length of potable mains laid or structurally refurbished post 2001	km	2,888.7
Average pumping head – treated water distribution	m.hd	71.86

<b>Band disclosure (Nr)</b>	<b>Units</b>	<b>Input</b>
WTWs in size band 1	Nr	40
WTWs in size band 2	Nr	22
WTWs in size band 3	Nr	20
WTWs in size band 4	Nr	10
WTWs in size band 5	Nr	8
WTWs in size band 6	Nr	2
WTWs in size band 7	Nr	2
WTWs in size band 8	Nr	1

<b>Band disclosure (%)</b>	<b>Units</b>	<b>Input</b>
Proportion of total DI band 1	%	3.6%
Proportion of total DI band 2	%	6.7%
Proportion of total DI band 3	%	11.0%
Proportion of total DI band 4	%	11.0%
Proportion of total DI band 5	%	18.0%
Proportion of total DI band 6	%	9.0%
Proportion of total DI band 7	%	20.0%
Proportion of total DI band 8	%	20.4%

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## 4Q - Non-financial data - Properties, population and other for the 12 months ended 31 March 2019 - wholesale water

Properties and population	Units	Input
Residential properties billed for measured water (external meter)	000s	686.521
Residential properties billed for measured water (not external meter)	000s	82.356
Business properties billed measured water	000s	55.549
Residential properties billed for unmeasured water	000s	604.280
Business properties billed unmeasured water	000s	8.507
Total business connected properties at year end	000s	74.302
Total residential connected properties at year end	000s	1,438.973
Total connected properties at year end	000s	1,513.275
Number of residential meters renewed	000s	14.682
Number of business meters renewed	000s	0.999
Number of meter installed at the request of optants	000s	2.375
Number of selective meters installed	000s	17.209
Total number of new business connections	000s	0.241
Total number of new residential connections	000s	12.329
Total population served	000s	3,611.113
Number of business meters (billed properties)	000s	55.322
Number of residential meters (billed properties)	000s	768.352
Company area	km <sup>2</sup>	4,515

Other	Units	Input
Number of lead communication pipes replaced for water quality	Nr	1,633
Total supply side enhancements to the supply demand balance (dry year critical / peak conditions)	MI/d	0.00
Total supply side enhancements to the supply demand balance (dry year annual average conditions)	MI/d	0.00
Total demand side enhancements to the supply demand balance (dry year critical / peak conditions)	MI/d	-14.51
Total demand side enhancements to the supply demand balance (dry year annual average conditions)	MI/d	-14.51
Energy consumption - network plus	MWh	193,731
Energy consumption - water resources	MWh	32,511
Energy consumption - wholesale	MWh	226,242
Mean Zonal Compliance	%	99.96%
Compliance Risk Index	Nr	5.2
Event Risk Index	Nr	135.9
Volume of Leakage above or below the sustainable economic level	MI/d	-7.410