



Sustainability Statement for Water Consumption

For 1,2 & 3 Aldworth Rise, Reading, RG1 7NA

All houses	Make	Model	Water usage
	Twyford	Grohe flush	6/3 litres per flush

All sinks in both bathrooms and toilet rooms will have the same make and model of tap fitted. These will have a flow restrictor attached to deliver a flow rate of 3 litres per minute (lpm).

All houses	Make	Model	Water usage
	Grohe	Eurotap	3 lpm with flow restrictor

The houses have a compact bath

All houses	Make	Model	Water usage
	Carron	Arc 1750 x 700	172 litres

The shower will have a flow restrictor fitted to deliver a reduced flow rate.

All houses	Make	Model	Water usage
	Grohe shower	Eco	10 lpm

In the kitchen the flow rate of the sink taps are set to 8 lpm through the use of flow restrictors

House	Make	Model	Water usage
	Grohe	Ambi	8 lpm

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Faringdon
Oxfordshire
SN7 7DH



Property and Energy
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In each kitchen we will fit a clothes washing machine, with the aim of blending water efficiency with electrical efficiency.

House	Make	Model	Water usage
	Hotpoint	BHWD149	8.28 litres per Kg washing

Each house will also have a dishwasher which is specified to be Band A or better

House	Make	Model	Water usage
	Neff	S511A50X1G	1.17 litres per place setting

This all adds up to all houses that will meet the current building regulations reduced requirement of 110 litres per person per day (lpppd) with a calculated water usage of 109.83 lpppd as shown in the calculation below:

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Property		Aldworth Rise		1,2 & 3	RG1 7NA		
Installation type		units	flow rate	Use factor	Fixed use l/p/d	L/p/d	
WC single flush		litres		4.42	0	0	
WC dual flush	Full	litres	6	1.46	0	8.76	
	Part	litres	3	2.96	0	8.88	
WCs multiple types	Avg	litres		4.42	0	0	
Taps Ex kit		litres/min	3	1.58	1.58	6.32	
Bath - shower	full	litres	172	0.11	0	18.92	
Shower - bath	flow	litres/min	10	4.37	0	43.7	
Bath only	full	litres		0.5	0	0	
Shower only	flow	litres/min		5.6	0	0	
Kitchen / utility taps		litres/min	8	0.44	10.36	13.88	
Washing machine		litres / kg dry load	8.28	2.1	0	17.39	220
Dish washer		litres / place	1.17	3.6	0	4.212	280
Waste disposal		litres / use	0	3.08	0	0	
Water softener		litres / person / da	0	1	0	0	
						122.06	
Contrib grey water						0	
Contrib rain water							
Normalisation factor						0.91	
Total for CSH						111.0746	
Add external use						5	
Total for 17.K Part G						116.0746	

The total planned water consumption is 109.83 litres per person per day (lpppd) which is better than the reduced building regulations Part G which requires (110 lpppd)