



Sustainability Statement for Water Consumption

Water usage at the 9 new houses to be built on the land to the rear of 209 - 219 Henley Road, Caversham, RG4 6LJ.

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 10 lpm through the use of flow restrictors

All houses	Make	Model	Water usage
	Grohe	Ambi	8 lpm with flow restrictor

38 Folly View Road
Faringdon
Oxfordshire
SN7 7DH



Property and Energy
Services Ltd.

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

All houses	Make	Model	Water usage
	Blomberg	LRI285411W	5.34 litres per Kg washing

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

All houses	Make	Model	Water usage
	Blomberg	LDV42244	0.79 litres per place setting

This all adds up to water usage in all houses that will meet the current enhanced building regulations requirement of 110 litres per person per day (lpppd) with a calculated water usage of 109.21 lpppd as shown in the calculation below:

38 Folly View Road
Faringdon
Oxfordshire
SN7 7DH



Property and Energy
Services Ltd.

Property		All houses		Henley Road Phase 2	RG4 6LJ		
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	5.34	2.1	0	11.21	220
Dish washer		litres / place	0.79	3.6	0	2.844	280
Waste disposal		litres / use	0	3.08	0	0	
Water softener		litres / person / day	0	1	0	0	
						114.518	
Contrib grey water						0	
Contrib rain water							
Normalisation factor						0.91	
Total for CSH						104.21138	
Add external use						5	
Total for 17.K Part G						109.21138	

The total planned water consumption is 109.21 litres per person per day (lpppd) which is better than enhanced building regulations Part G which requires (110 lpppd) required by planning condition 9.