

### CFSH WAT1 Specification

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**Project**  
Glenilla Rd Houses

**Ref**  
J035

Planning Condition no.11 imposes a requirement for the water system to achieve a total maximum daily water consumption per home of  $\leq 110$  litres per person per day.

This is achieved by specifying low water use fittings.

We have reviewed potential appliance specifications with the 'WAT 1 Calculator', which is an excel spreadsheet issued by the government for the purposes of the Code for Sustainable Homes, and the Building Regulations.

The following table outlines the water use of the fittings that have been used for the calculation, and the water consumption results.

Appliance	Value	Unit	Notes
Washbasin	3	litres/min	
Bath	210	litres to overflow	
Shower	8	litres/min	
Shower (master bedroom en suite)	12	litres/min	
Dishwasher	0.43	litres/place setting	Miele G7100SC A+++ rated
Washing Machine	4.16	litres/kg clothes	LG FH4G1BCS2 A+++ rated
WC	6/4	litres, dual flush	
Kitchen & Laundry Sinks	12	litres/min	
External Tap	5	litres/day	

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<b>Rainwater Collection</b>	<b>Value</b>	<b>Unit</b>	<b>Notes</b>
N/A	-	-	No rainwater collection system present

<b>Water Softener</b>	<b>Value</b>	<b>Unit</b>	<b>Notes</b>
Culligan HE 60	5.49	%	7100l Water Softener. Consumes 5.49% of its total capacity per regeneration cycle

<b>Results, 32a</b>			
Water Consumption	110.0	litres/person.day	
Planning Condition No.11	≤ 110	litres/person.day	

<b>Results, 32b</b>			
Water Consumption	109.6	litres/person.day	
Planning Condition No. 11	≤ 110	litres/person.day	