ENERGY COUNT
SUSTAINABILITY & ENERGY CONSULTANTS

WaterMonkey

Approved Document G · Building Regulation 36

PART G WATER CALCULATIONS

19-06-2026

Project:	The Old Dairy — Plots 1–14	**Client:**	Meadowbrook Homes Ltd
Project ref:	EC-2026-0417	**Date:**	19 June 2026

Water usage has been calculated in accordance with Approved Document G, using the methodology of The Water Efficiency Calculator for New Dwellings (DCLG, 2009).

Dwelling type	Plots covered	Part G requirement (litres/person/day)	Proposed (litres/person/day)	Result
House type A	All plots	125	123.9*	**PASS**

* Proposed consumption is less than or equal to the requirement; therefore the proposed dwelling(s) comply with AD G. One dwelling type covers all plots built to the same sanitaryware specification.

Contents

2. Water Efficiency Calculator — House type A

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Table 1: The Water Efficiency Calculator — House type A

Project: The Old Dairy — Plots 1–14

Installation type	Unit of measure	Capacity/ flow rate (1)	Use factor (2)	Fixed use (l/p/d) (3)	Litres/person/day =(1)×(2)+(3) (4)
WC (dual flush)	Full flush volume (litres)	6.00	1.46	0.00	**8.76**
	Part flush volume (litres)	4.00	2.96	0.00	**11.84**
Taps (excl. kitchen/utility)	Flow rate (litres/minute)	6.00	1.58	1.58	**11.06**
Bath (shower also present)	Capacity to overflow (litres)	180.00	0.11	0.00	**19.80**
Shower (bath also present)	Flow rate (litres/minute)	10.00	4.37	0.00	**43.70**
Kitchen/utility sink taps	Flow rate (litres/minute)	8.00	0.44	10.36	**13.88**
Washing machine	Litres/kg dry load	8.17	2.10	0.00	**17.16**
Dishwasher	Litres/place setting	1.25	3.60	0.00	**4.50**

(5)	Total calculated use (litres/person/day) = Sum of column (4)	**130.70**
(6)	Contribution from greywater (litres/person/day)	**0.00**
(7)	Contribution from rainwater (litres/person/day)	**0.00**
(8)	Normalisation factor	**0.91**
(9)	Total water consumption = [(5) - (6) - (7)] x (8) (litres/person/day)	**118.9**
(10)	External water use (fixed allowance)	**5.0**
(11)	Total water consumption (Building Regulation 36) = (9) + (10) (litres/person/day)	**123.9**

RESULT: 123.9 litres/person/day — PASS (requirement 125 l/p/d, headroom 1.1)

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