A GUIDE TO RAINWATER TANK SIZE SELECTION

Percentage of time rainwater tank will meet full domestic daily demand at KENT TOWN

(Average Annual Rainfall 583 mm)

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HOW TO USE THIS TABLE

STEP 1 Identify proposed **roof area.**
STEP 2 Identify **Rainwater Use Option.**
STEP 3 Identify **tank capacity.**
STEP 4 Identify the category (colour code) the roof area, rainwater use option and tank capacity combination fall within.
STEP 5 Refer to **Legend**
STEP 6 Select larger roof area (if possible), alternative rainwater use option and/or larger tank capacity and repeat STEPS 1 – 5.

NOTES

1. For all options within the orange (16-50%) and yellow (51 – 75%) range, it is recommended that the following variations to your proposal be considered to maximise the value of your rainwater tank selection:-
   - Increase the roof area to be connected to the rainwater tank, if possible;
   - Select a larger tank; and/or
   - Change to water use efficient devices within the home, eg. front loading washing machine (can save up to 20% of average daily water demand per household)
2. This "Rainwater Tank Selection Table" DOES NOT ALLOW FOR WATER STORAGE FOR FIRE FIGHTING REQUIREMENTS.
3. The internal water use estimates are based upon a 3 person household.
4. For advice beyond the scope of this table (eg. Tanks larger than 9.000 L) please contact Water Sensitive SA on: M: 0431 828 930 or E: mellissa@watersensitivesa.com
5. Total tank size may need to be greater to account for detention or bushfire requirements. Check with your local Council.

Rainwater Use Option		High internal use			Medium internal use 1			Medium internal use 2			Low grade uses			
Description		11L single flush toilet, 100% laundry (front load WM) & HWS			(6/3L) Dual flush toilet, HWS, 3star WELS rated shower head & 100% laundry (top load WM)			(6/3L) Dual flush toilet, HWS, 3star WELS rated shower head & 100% laundry (front load WM)			(6/3L) Dual flush toilet and 100% laundry (front load WM) only			
Tank Capacity (L)		1,000	2,000	5,000	1,000	2,000	5,000	1,000	2,000	5,000	1,000	2,000	5,000	9,000
Roof area to be connected to rainwater tank (m^2)	50	9%	11%	11%	17%	19%	19%	23%	27%	28%	51%	59%	65%	68%
	100	19%	26%	30%	30%	40%	47%	39%	50%	60%	65%	77%	87%	97%
	150	25%	36%	46%	37%	50%	63%	47%	60%	72%	71%	83%	95%	100%
	200	29%	42%	56%	41%	55%	70%	51%	65%	79%	74%	87%	98%	100%

LEGEND

Category	Effectiveness of chosen roof area and tank capacity to meet full domestic daily demand	Comment
	Rainwater tank will meet full daily demand 0 – 15% of the time.	Not recommended
	Rainwater tank will meet full daily demand 16 – 50% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 51 – 75% of the time.	Satisfactory, but alternative recommended for the intended use (refer to Note 1).
	Rainwater tank will meet full daily demand 76 – 90% of the time.	Recommended – Roof area and tank capacity selected are suitable for the intended use.
	Rainwater tank will meet full daily demand 91 – 100% of the time.	Recommended – Roof area and tank capacity selected are suitable for the intended use.

Acronyms

HWS	Hot water service
WM	Washing Machine
WC	Toilet

Note: Adapted from the SA Murray-Darling Basin Natural Resources Management Board Rainwater Tank Size Selection Fact Sheets