



Reviewing the evidence for grey and rainwater harvesting

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10 September 2014



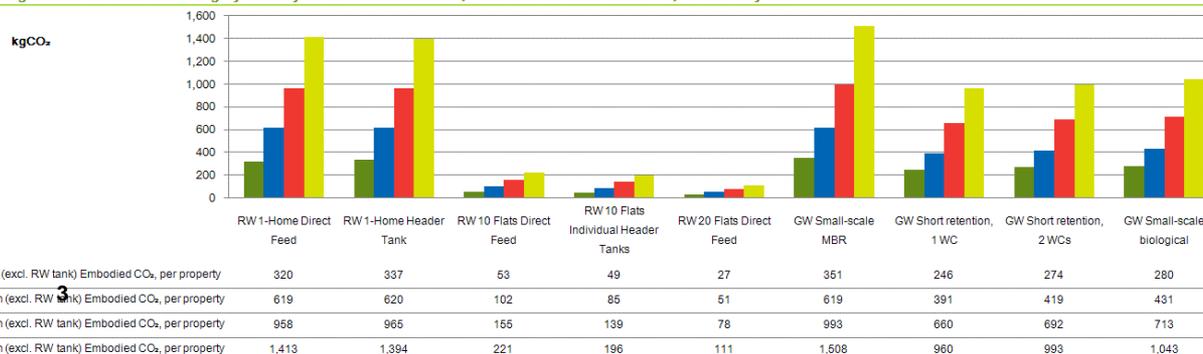
Current Environment Agency evidence and advice

- ➔ Is from 2010 and before
- ➔ we want to check and update the evidence and advice
- ➔ how can industry, academics and water companies help?

Carbon – EA, EST and NHBC Foundation report from 2010 says

- ➔ Buildings using harvested rainwater or treated greywater typically increase greenhouse gas emissions compared to using mains
- ➔ with one exception, the operational energy and carbon intensities of the systems studied were higher than for mains water
- ➔ there is scope to improve the efficiency and design of systems to reduce their carbon footprints.

Single home rainwater & small greywater systems – embodied CO₂, initial and cumulative over 15, 30 and 60 years



We need funding and data

➔ How can you help?

➔ money

➔ data

➔ advice



AR 99-001	AR 00-02	AR 01-02	AR 02-03	AR 03-04	AR 04-05
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1499.24	1460.21	1467.43	1462.00	1499.37	1436.80
20.30	18.37	20.27	20.00	18.70	18.68
25.40	12.90	15.90	3.48	20.78	5.19
20.30	20.03	20.27	20.00	18.70	18.68
77.10	64.67	76.15	78.60	90.98	53.89
1447.54	1406.78	1407.18	1386.88	1429.17	1388.09
1178.40	1167.03	1200.52	1178.77	1173.97	1162.97
18.87	21.63	28.77	17.01	15.95	20.92
11.85	14.64	18.24	18.99	16.83	19.76
103.40	114.74	112.80	93.93	50.58	132.97
0.00	0.00	0.00	0.00	0.00	0.00
115.25	129.38	131.04	112.92	67.41	152.73
403.60	372.16	351.75	378.76	358.97	340.73
175.57	190.99	212.51	218.26	237.56	246.33
6.43	3.64	3.54	3.75	3.13	2.46
340.74	340.16	335.69	322.66	325.86	321.25
579.17	563.14	564.27	597.02	596.53	587.06
347.17	343.80	339.23	326.41	329.00	323.71
189.42	194.06	224.08	191.99	215.78	214.34



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