



## CASE STUDY: Great Bow Yard, Langport (Somerset) South West Eco Homes

### Rainwater harvesting system

- 1,500 L GRP tank
- Wisy FS downpipe filter
- Single pump Multigo 40/06

### Design data

Usage: 2WCs + garden tap

Architects: Stride Treglown

### Design data

Estimated usage: 104 litres/day

Average annual rainfall: 800 mm

Roof area: 66m<sup>2</sup>

Expected annual rainwater collection: 27,900 litres

Capital cost: £1563

Completion: Spring 2006

### Other green design features

Co2 emissions 75% reduction from current norms

Passive solar design

Building-Integrated Photovoltaics

50% recycled materials

### Operating Statistic: rain water collection and usage

Monitoring will start shortly



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