



Domestic solar hot water system Greystoke, Cumbria

During Cumbria Green Build 2006, a Greystoke resident kindly showed visitors a newly installed solar thermal hot water system.



Over the following year, the householder kept meticulous records of the water temperature in the tank. The chart below shows the monthly averages:

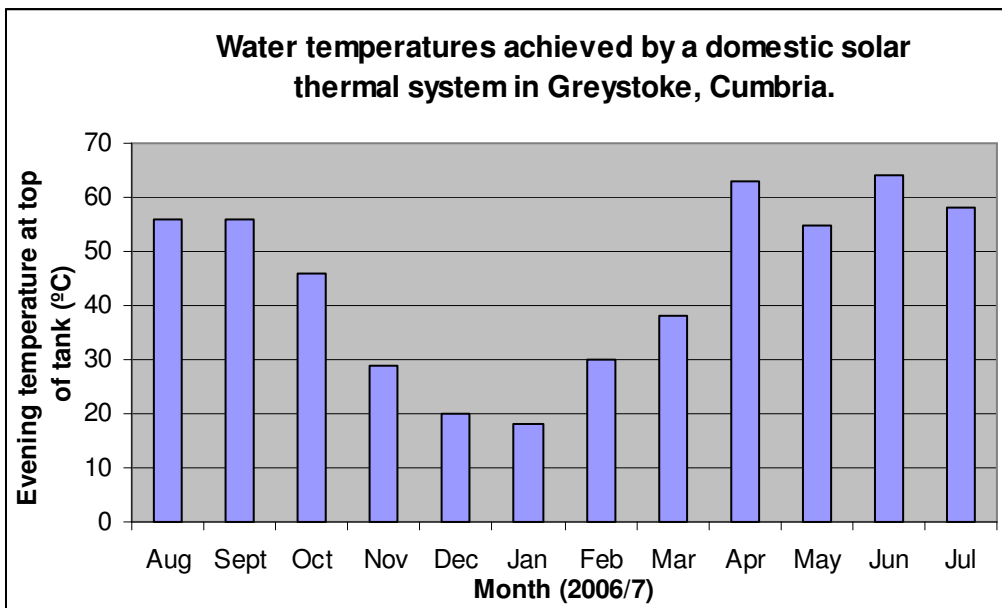


Chart shows average end-of-day hot water temperatures. The monthly averages were derived from daily (evening) temperature readings taken by a probe located at the top of the 170 litre water storage cylinder, fed directly by the panels.

The recommended thermostat setting for a domestic hot water tank is 60°C.

Collector type – evacuated tubes

Four collector units, each 1700 x 850 x 97 (length x width x height in millimetres)

Orientation: 2 collector units face east, 2 face west.

Household profile: 2 adult occupants. Low hot water requirements.



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Total installed cost in August 2006: ~£6,500

Supplier: Smart Energy

More info and technical data:

www.smartenergyuk.com

