Page 43, figure 6.11 corn to ethanol “0.02 W/m²” should be “0.048 W/m²”.

[See erratum for page 284, below, for details.]

Page 55  Map showing Kinlochewe and Bedford: Kinlochewe should be located about 60 km further north.

Page 85 In the map of Northern Ireland the place-name “Downpatrick” is missing its first letter.

Page 120 trolleybuses… “270 kWh per vehicle-km” should read “270 kWh per 100 vehicle-km”

Page 205 Paragraph 2, last line: “2 kWh/d/p of solar hot water” should read “1 kWh/d/p of solar hot water”.

Page 281 Paragraph 1, line 2: “depends only” should read “depends only on”

Page 284 Bioethanol from corn in the USA: “0.02 W/m²” should read “0.2 W/m²”.

To make this section more informative I would discuss processing costs too, as follows:

1 acre produces 122 bushels of corn per year, which makes $122 \times 2.6$ US gallons of ethanol, which at 84000 BTU per gallon would mean a power per unit area of 0.2 W/m²; however, the energy inputs required to process the corn into ethanol amount to 83000 BTU per gallon; so 99% of the energy produced is used up by the processing, and the net power per unit area is about 0.002 W/m². The only way to get significant net power from the corn-to-ethanol process is to ensure that all co-products are exploited; including the energy in the co-products, the net power per unit area is about 0.05 W/m².

Page 286 Paragraph 2, line 4: “If 2800 m² of Britain (that’s all agricultural land)…” should read “If 2800 m² per person of Britain (that’s all agricultural land)…”

Page 289, 299 The top line of page 298 gives 6.6 W/m² as the total power per unit area of the Heatkeeper house. This is incorrect. 6.6 W/m² is the heating power only. The total power per unit area is 12.2 W/m². This error is repeated in figure E.12 (p299).

[The equivalent breakdown of power consumption in my house, “after” the austerity measures were introduced, is 6.2 W/m² of gas and 7.1 W/m² total.]

Page 299 Another niggle with figure E.12 is that the PassivHaus standards use a different convention for defining power: they define power in terms of “primary energy consumption,” which requires knowledge of the primary sources of electricity and fuel, and of conversion efficiencies. This means that the PassivHaus standards are actually more stringent than the figure shows; exactly how much more stringent depends on the fuel mix.

Page 316 Add the equation number (G.10) to the equation on this page.

Page 324 Line 22: “(10 kWh/d per person)” should read “(10 kWh per kg)”

Page 353 SCHLAICH, J.: Correct bibliography entries are:


Thanks to: Martin Zeidler, Dankrad Feist, and Tim Paine.