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Hier sind die expliziten Links für die korrespondierenden “tinyURLs”, die im Text genannt sind. Auf <http://www.inference.phy.cam.ac.uk/sustainable/book/tex/cft.url.html> oder auf <http://tinyurl.com/yh8xse> sind anklickbare Verknüpfungen für alle URLs der englischen Ausgabe. Sollte ein URL nicht mehr funktionieren, hilft eventuell das Internetarchiv der Wayback Machine [f754] weiter.

Seite	tinyURL	vollständige Web-Adresse
19	2jhve6	www.ft.com/cms/s/0/48e334ce-f355-11db-9845-000b5df10621.html
19	25e59w	http://news.bbc.co.uk/1/low/uk_politics/7135299.stm (auch S. 75)
19	5o7mxc	www.guardian.co.uk/environment/2007/dec/10/politics
19	5c4olc	www.foe.co.uk/resource/press_releases/green_solutions_undermined_10012008.html
20	2fztd3	www.jalopnik.com/cars/alternative-energy/now-thats-some-high-quality-h20-car-runs-on-water-177788.php
20	26e8z	http://news.bbc.co.uk/1/hi/sci/tech/3381425.stm
21	l6y5g	www.grida.no/climate/ipcc_tar/wg1/fig3-1.htm
22	5qfkaw	www.nap.edu/catalog.php?record_id=12181
22	2z2xg7	http://assets.panda.org/downloads/2_vs_3_degree_impacts_1oct06_1.pdf
23	yyxq2m	www.bp.com/genericsection.do?categoryId=93&contentId=2014442
23	dzcqg	www.defra.gov.uk/environment/climatechange/internat/pdf/avoid-dangercc.pdf
33	5647rh	www.dft.gov.uk/pgr/statistics/datatablespublications/tsgb/
33	27jdc5	www.dft.gov.uk/pgr/statistics/datatablespublications/energyenvironment/tsgb-chapter3energyandtheenvi1863
33	28abpm	http://corporate.honda.com/environmentology/
33	nmn4l	www.simetric.co.uk/si_liquids.htm
33	2hcgdh	http://cta.ornl.gov/data/appendix_b.shtml
37	vxhhj	www.cl.cam.ac.uk/research/dtg/weather/
37	tdvml	www.phy.hw.ac.uk/resrev/aws/awsarc.htm
39	3fbufz	www.ipcc.ch/ipccreports/sres/aviation/004.htm
39	3asmgy	http://news.independent.co.uk/uk/transport/article324294.ece
39	9ehws	www.boeing.com/commercial/747family/technical.html
40	3exmgv	www.ryanair.com/site/EN/about.php?page=About&sec=environment
40	36w5gz	www.rolls-royce.com/community/downloads/environment04/products/air.html
48	2rqloc	www.metoffice.gov.uk/climate/uk/location/scotland/index.html
48	2szckw	www.metoffice.gov.uk/climate/uk/stationdata/cambridgedata.txt
48	6z9epq	www.solarcentury.com/knowledge_base/images/solar_pv_orientation_diagram
50	2tl7t6	www.reuk.co.uk/40-Percent-Efficiency-PV-Solar-Panels.htm
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51	39z5m5	http://news.bbc.co.uk/1/hi/world/europe/6505221.stm
51	2uk8q8	www.powerlight.com/about/press2006_page.php?id=59
55	6kqg77	www.defra.gov.uk/erdp/pdfs/ecs/miscanthus-guide.pdf
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75	2t2vjq	www.guardian.co.uk/environment/2007/dec/11/windpower.renewableenergy
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89	5h69fm	www.thepoultrysite.com/articles/894/economic-approach-to-broiler-production
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107	yx7zm4	www.cancentral.com/funFacts.cfm
107	r22oz	http://www.materials.eng.cam.ac.uk/mpsite/interactive_charts/energy-cost/NS6Chart.html
107	yhrest	www.transportation.anl.gov/pdfs/TA/106.pdf
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118	fcqfw	www.mod.uk/DefenceInternet/AboutDefence/Organisation/KeyFactsAboutDefence/DefenceSpending.htm
118	2e4fcs	http://press.homeoffice.gov.uk/press-releases/security-prebudget-report
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118	35ab2c	www.dasa.mod.uk/natstats/ukds/2007/c1/table103.html
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 291 yekdaa www.windpower.org/en/stat/betzpro.htm
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 291 ypvbvd www.ref.org.uk/images/pdfs/UK_Wind_Phase_1_web.pdf
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Literatur- und Referenzverzeichnis 2. Auflage

♦Die vorliegende 2. Auflage basiert vollinhaltlich auf dem Original von David MacKay, dessen direkte deutsche Übersetzung als 1. Auflage von „Nachhaltige Energiegewinnung – ohne die heiße Luft“ veröffentlicht wurde:

MacKay, D.J.C. (2008). Sustainable Energy – without the hot air. UIT Cambridge, ISBN 978-0-9544529-3-3. www.withouthotair.com.

MacKay, D.J.C. (2008). Nachhaltige Energiegewinnung – ohne die heiße Luft. <http://www.withouthotair.com/translations.html>.



David J.C. MacKay, Juli 2008.
Photo von David Stern.

Textzitate aus diesem Werk sind mit einleitendem ◦ gekennzeichnet, im Gegensatz zu Anmerkungen und Ergänzungen der 2. Auflage, die mit ♦ beginnen.

Neben kleineren, teils lediglich redaktionellen Veränderungen wurden folgende Themen [Kapitel] überarbeitet: Die Ressourcen (Wind [4][10] Solar [6] Wasser [8][14] Geothermie [16]) und Verbrauchsdaten (Fliegen [5] Import [15]) Deutschlands wurden beim Aufbau und bei der Auswertung [18] der Bilanz in Teil 1 berücksichtigt.

Im Teil 2 wurden Ergänzungen zu den Themenbereichen KWK [21], Atomkraft [24], Pumpspeicher [26] und Windgas [26] angefügt. Die Energiepläne [27][28] sind mit den Zahlen für Deutschland entwickelt. Die technischen Anhänge sind um einen Abschnitt über die Ökonomie der Photovoltaik [Anhang D] und einige Überlegungen zur Speicherung und Netzstabilisierung [Anhang I] erweitert.

Neben den von David MacKay zitierten Quellen (siehe „Literatur- und Referenzverzeichnis 1. Auflage“) wurden folgende weitere Quellen und Referenzen in diesem Buch verwendet:

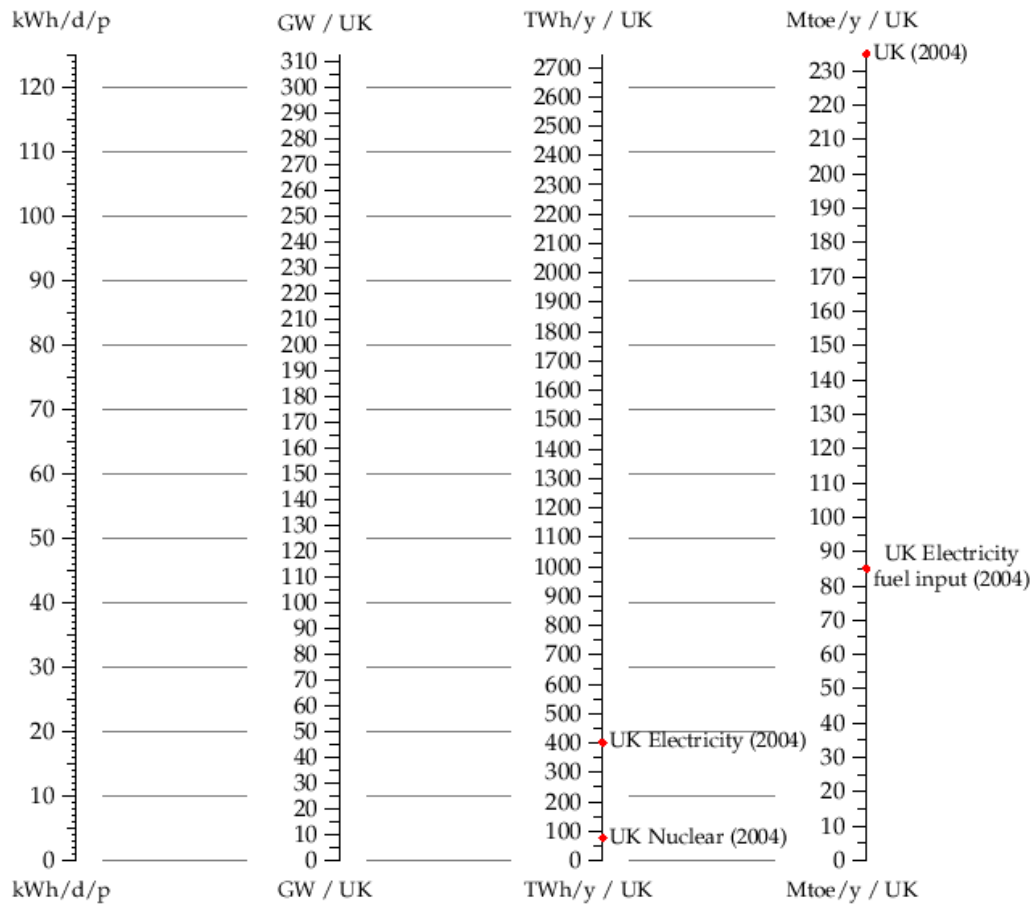
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48	64whwf5	http://wetter.t-online.de/die-sonnenstunden-des-vergangenen-jahres/id_17269730/index
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107	277xmp3	http://www.bmw.de/BMWi/Redaktion/PDF/E/energiestatistiken-grafiken,property=pdf,bereich=bmw,sprache=de,rwb=true.pdf
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255	c33ec3h	http://www.mercedes-benz.de/content/germany/mpc/mpc_germany_website/de/home_mpc/bus/home/new_buses/models/regular_service_busses/_citaro/facts/technical_data.html
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351	7ozytqn	http://www.bbl.admin.ch/kbob/00493/00495/index.html?lang=de
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357	6f3gt4e	http://www.google.de/url?sa=t&source=web&cd=1&sqi=2&ved=0CFEQFJAA&url=http%3A%2F%2Fwww.isi.fraunhofer.de%2Fisi-de%2F%2Fdownload%2Fpublikationen%2FSensfuss_IJWT_2003.pdf&rct=j&q=windenergie%20jahresgang&ei=a0qZTrXFLY_tObahwIk&usq=AFQjCNE4M0wGB3nl3MjzkeSkBOYlh9RR4Q&cad=rja
357	6jxx79e	http://de.wikipedia.org/wiki/Biogas#Zusammensetzung
366	8y7nwbu	http://www.esu-services.ch/fileadmin/download/frischknecht-2008-Energiesysteme.pdf
373	cv3ecec	http://www.verwaltung.bayern.de/egov-portlets/xview/Anlage/4015428/BayerischerWindatlas.pdf
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Umrechnungstabellen

Power translation chart



1 kWh/d the same as 1/24 kW

GW often used for 'capacity' (peak output)

TWh/y often used for average output

1 Mtoe 'one million tons of oil equivalent'

"UK" = 60 million people

USA energy consumption: 250 kWh/d per person

Europe energy consumption: 125 kWh/d per person

The most commonly used units in public documents discussing power options are:

terawatt-hours per year (TWh/y).

1000 TWh/y per United Kingdom is roughly equal to 45 kWh/d per person.

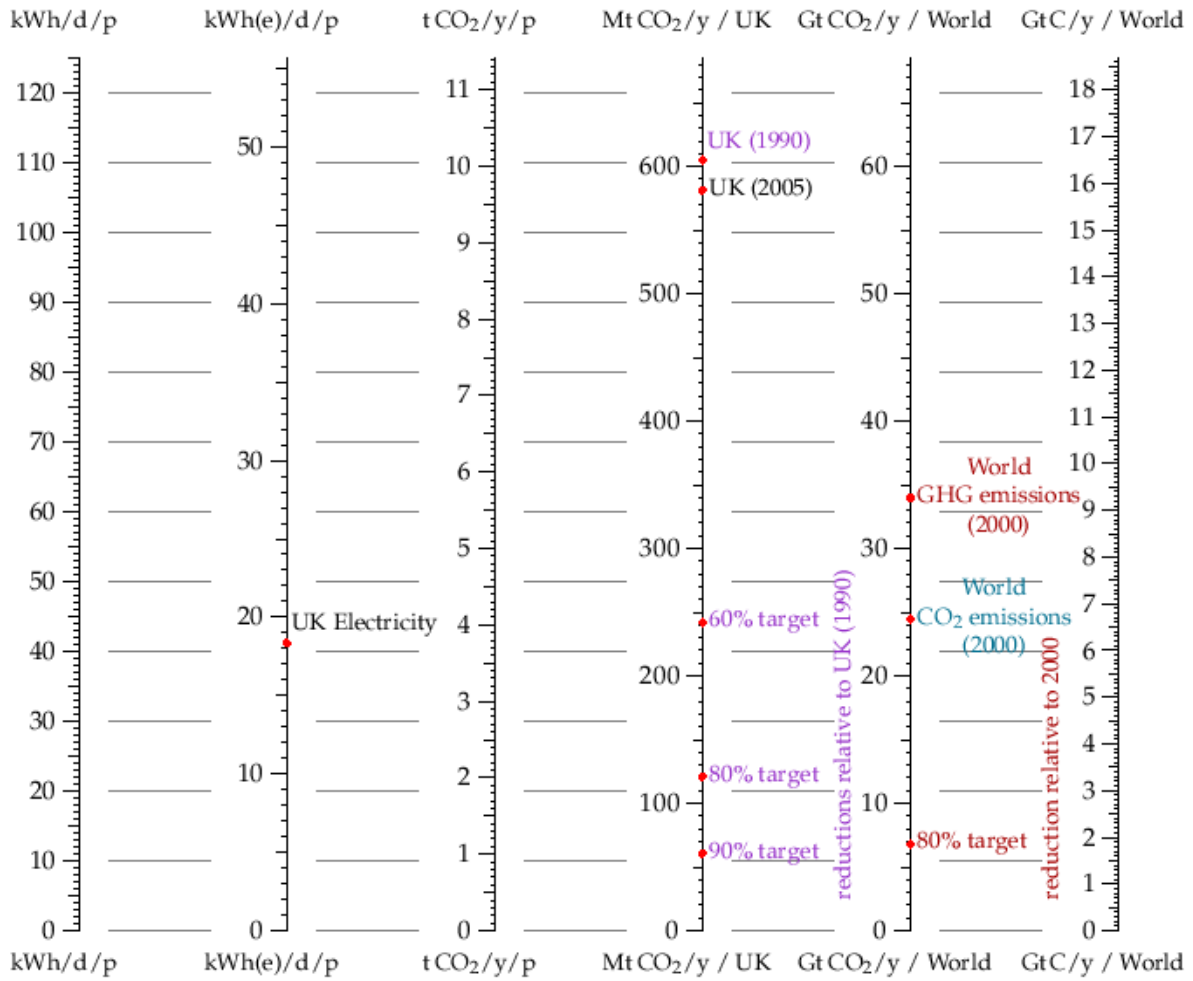
gigawatts (GW).

2.5 GW per UK is 1 kWh/d per person.

million tons of oil equivalent per year (Mtoe/y).

2 Mtoe/y per UK is roughly 1 kWh/d per person.

Carbon translation chart



kWh *chemical* energy exchange rate:
 1 kWh ↔ 250 g of CO₂ (oil, petrol)
 (for gas, 1 kWh ↔ 200 g)

kWh(e) *electrical* energy is more costly:
 1 kWh(e) ↔ 445 g of CO₂ (gas)
 (Coal costs twice as much CO₂)

tCO₂ ton of CO₂
 MtC million tons of carbon

“UK” = 60 million people
 “World” = 6 billion people