

Abbreviations, units and signs

AC	Alternating Current
ABWR	Advanced Boiling Water Reactor
APWR	Advanced Pressurized Water Reactor
AEEI	Autonomous Energy Efficiency Improvement
ASU	Air Separation Unit
BAT	Best Available Technology
BCG	Boston Consultancy Group
BOS	Balance Of System
BWR	Boiling Water Reactor
CCGT	Combined Cycle Gas Turbine
CCS	Carbon Capture and Sequestration
CERT	Committee on Energy Research and Technology
CFC	Chlorofluorocarbon
CFL	Compact Fluorescent Light bulb
CGE	Calculable General Equilibrium
CHF	Swiss Franc
CHP	Combined Heat and Power
CO ₂	Carbon dioxide
CoE	Cost of Electricity
Combi	Combining space heating and warm water production
cont.	Continued
CoPS	Complex Product System
CPI	Consumer Price Index
CSP	Concentrated Solar Power
DC	Direct Current
DM	Deutsch Mark
DRAM	Dynamic Random Access Memory
EC	European Commission
ECU	European Currency Unit
EJ	Exa Joule
EPIA	European Photovoltaic Industry Association
EPR	European Pressurized Reactor
EPROM	Erasable Programmable Read Only Memory
EREC	European Renewable Energy Council
ESP	ElectroStatic Precipitator

ETS	Emission Trading Scheme
EU	European Union
EUR	Euro
EUREC	European Renewable Energy Research Centres Agency
EWEA	European Wind Energy Association
FGD	Flue Gas Desulphurization
FF	French Franc
FIP	Feed-in premium
FIT	Feed-in tariff
FL	Fluorescent light bulb
FP	Framework Programme
FOAK	First Of A Kind
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GTCC	Gas Turbine Combined Cycle
GW	Gigawatt
GWe	Gigawatt electric
GWEC	Global Wind Energy Council
h	Hour
HDPE	High-Density Polyethylene
HHV	Higher Heating Value
HRSG	Heat Recovery Steam Generator
HTGR	High Temperature Gas Reactor
HVDC	High Voltage Direct Current
IEA	International Energy Agency
IGCC	Integrated Gasification Combined Cycle
IT	Information Technology
ITER	International Thermonuclear Experimental Reactor
K	Degrees Kelvin
kW	Kilowatt
KWe	Kilowatt electric
kWh	Kilowatt hour
l	Litre
LDPE	Low-Density Polyethylene
LED	Light-Emitting Diode
LFL	Linear Fluorescent Light bulb
LHV	Lower Heating Value
LLDPE	Low Linear Density Polyethylene
LNG	Liquefied Natural Gas
LR	Learning Rate
LWR	Light Water Reactor
m ²	Square metre

m ³	Cubic metre
MFEC	Multi-Factor Experience Curve
MOS	Metal Oxide Semiconductor
MP3	MPEG-1 Audio Layer 3
MPEG	Moving Picture Experts Group
Mt	Megatonnes
MW	Megawatt
MWe	Megawatt electric
MW _{th}	Megawatt heat
N	Nitrogen
n.a.	Not applicable/available
n.k.	Not known
NASA	National Aeronautics and Space Administration
NGCC	Natural Gas Combined Cycle
NNR	National Nuclear Regulator
NREL	National Renewable Energy Laboratory
No.	Number
OECD	Organisation for Economic Co-operation and Development
OFEC	One-Factor Experience Curve
O&M	Operation and Maintenance
PBMR	Pebble Bed Modular Reactor
PC	Pulverized Coal
PE	Polyethylene
PJ	Peta Joule
PP	Polypropylene
PPI	Producer Price Index
PR	Progress Ratio
PS	Polystyrene
PV	Photovoltaics
PVC	Polyvinylchloride
PWR	Pressurised Water Reactor
R ²	Coefficient of determination
R&D	Research and Development
RAM	Random Access Memory
RD&D	Research, Development and Demonstration
RDD&D	Research, Development, Demonstration and Deployment
ROC	Renewable Obligation Certificate
RPS	Renewable Portfolio Standard
RTD	Research and Technology Development
\$	US dollar, unless otherwise indicated
SD	Standard Deviation
SCR	Selective Catalytic Reduction

SEC	Specific Energy Consumption
SED	Specific Energy Demand
SOFC	Solid Oxide Fuel Cell
t	Tonne
TCIC	Total Capital Investment Cost
TCR	Total Capital Requirements
TFEC	Two-Factor Experience Curve
TSIS	Technology Specific Innovation System
TV	Television
TWh	Terrawatt hour
UK	United Kingdom
UNFCCC	United Nations Framework Convention on Climate Change
US	United States (of America)
USC	Ultra-Supercritical
USD	US Dollar
V	Volt
VHTR	Very High Temperature Gas Reactor
W	Watt
We	Watt electric
WGS	Water Gas Shift
WEC	World Energy Council
Wp	Watt peak
WT	Wind turbine
WWER	Water-Water Energetic Reactor
–	No information given