

Annex 2: Abbreviations

AC	Alternating Current
bbbl	barrel of crude oil
BGR	Bundesanstalt für Geowissenschaften und Rohstoffe
BMU	German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
cap	per capita
CDM	Clean development Mechanism
CEE	Cumulated Energy Expenditure
CF	Capacity Factor
CSP	Concentrating Solar Thermal Power Stations
CHP	Combined Heat and Power
CO ₂	Carbon Dioxide (greenhouse gas)
DC	Direct Current
DNI	Direct Normal Irradiance (solar beam radiation on ideal sun-tracking collectors)
DPG	Deutsche Physikalische Gesellschaft
€	Euro
EU	Europe
EUMENA	Europe, Middle East, North Africa
EMFTA	European Mediterranean Free Trade Area
Flh	full load hours per year
Fresnel	Inventor of a faceted concentrating mirror assembly
GDP	Gross Domestic Product
GEF	Global Environmental Facility
GHG	Greenhouse Gases (emissions responsible for climate change)
GIS	Geographic Information System (electronic geographic data base)
GW	million kilowatt (capacity unit)
GWh	1 million kWh (energy unit)
HDR	geothermal power from hot dry rocks in several thousand meters depth
H.R.H.	His Royal Highness
HVAC	High Voltage Alternating Current Transmission of Electricity
HVDC	High Voltage Direct Current Transmission of Electricity
Hybrid	Mixture of solar and fossil primary energy in a concentrating solar power plant
IEA	International Energy Agency
IPCC	International Panel on Climate Change
kV	kilovolt = 1000 Volt (unit of tension)
kW	kilowatt (unit of power)
kWh	kilowatt-hour (unit of energy)
LCA	Life Cycle Assessment of Emissions, Materials and Energy Consumption (Eco-Balance)
LEC	Levelised Electricity Cost
ME	Middle East
Med	Mediterranean Region
MED	Multi-Effect-Desalination
MENA	Middle East & North Africa
m	meter
mm	millimeter
MSF	Multi-Stage-Flash Desalination
MTSA	Multi-Tower Solar Array

MVA	Mega (million) Volt Ampere
MW	million Watt
MWh	1000 kWh
NA	North Africa
NPV	Net Present Value
Ω	Ohm, measure of electric resistance of materials
OECD	Organisation for Economic Co-operation and Development
O&M	Operation and Maintenance
OME	Observatoire Mediterranee de l'Energie
RE	Renewable Energy
PPA	Power Purchase Agreement
PRR	Project Rate of Return
PSA	Test Centre Plataforma Solar de Almeria, Southern Spain
R&D	Research and Development
RD&D	Research, Development and Demonstration
REA	Renewable Energy Act
RES	Renewable Energy System
RO	Reverse Osmosis Membrane Desalination
SBP	Schlaich, Bergermann and Partner
SEGS	Solar Electricity Generating System
SEMC	South Eastern Mediterranean Countries
Stirling	Inventor of an external combustion piston engine
THDR	temperature of hot dry rocks
TREC	Trans-Mediterranean Renewable Energy Cooperation
TWh	1 billion kWh
UCTE	Union for the Coordination of the Transmission of Electricity
UHVDC	Ultra-High Voltage Direct Current
WBGU	Wissenschaftlicher Beirat für Globale Umweltveränderungen, German Scientific Council for Global Environmental Affairs
WEC	World Energy Council
W	Watt
y	Year