

ACRONYMS AND ABBREVIATIONS

ORGANIZATIONS AND PROGRAMS

ACE	ASEAN Center for Energy	GEF	Global Environment Facility
ADB	Asian Development Bank	GOI-MUD	Government of India, Ministry of Urban Development
AFOC	ASEAN Forum on Coal	GIF	Generation IV International Forum
AFTA	ASEAN Free Trade Area	IAEA	International Atomic Energy Agency
AGO	Australian Greenhouse Office	IEA	International Energy Agency
AIT	Asian Institute of Technology	IFC	International Finance Corporation
AP NET	Asia-Pacific Network on Climate Change	IGES	Institute for Global Environmental Strategies
APP	Asia-Pacific Partnership on Clean Development and Climate	IIEC	International Institute for Energy Conservation
APP-BATF	APP Buildings and Appliance Task Force	IMC	Investment Management Company
APP-CFE	APP Cleaner Fossil Energy Task Force	INPRO	International Project on Innovative Nuclear Reactors and Fuel Cycles
APEC	Asia Pacific Economic Cooperation	IPCC	Intergovernmental Panel on Climate Change
APERC	Asia Pacific Energy Research Center	IREDA	Indian Renewable Energy Development Agency
APFEE	Asia Pacific Fund for Energy Efficiency	IRG	International Resources Group
ARRPEEC	Asia Regional Research Program in Energy Environment and Climate	JGSEE	Joint Graduate School for Energy and Environment (Thailand)
ASEAN	Association of South East Asian Nations	LBNL	Lawrence Berkeley National Laboratory
CDM	Clean Development Mechanism	OECD	Organization of Economic Cooperation and Development
CMI	Carbon Markets Initiative	OPEC	Organization of the Petroleum Exporting Countries
CTI	Climate Technology Initiative	PhilGARP	Philippines Greenhouse Gas Accounting and Reporting Program
DEDP	Department of Energy Development and Promotion (Thailand)	PLN	Indonesia's state-owned electricity company
DEDE	Department of Alternative Energy Development and Efficiency (Thailand)	RDM/A	USAID Regional Development Missions/Asia
ECO-Asia	Environmental Cooperation Asia (USAID)	REDI	APEC's 21st Century Renewable Energy Development Initiative
EE&C-SSN	Energy Efficiency and Conservation Sub-Sector Network (ASEAN)	REEEP	Renewable Energy and Energy Efficiency Partnership
EGAT	Electricity Generating Authority of Thailand	TCAPP	Technology Cooperation Agreement Pilot Project
EGEDA	Expert Group on Energy Data and Analysis (APEC)	TERI	The Energy and Resources Institute (India)
EGEE&C	Expert Group on Energy Efficiency and Conservation (APEC)	UNDP	United Nations Development Programme
EGMEED	Expert Group on Minerals and Energy Exploration and Development (APEC)	UNEP	United Nations Environment Program
EGNRET	Expert Group on New and Renewable Energy Technology (APEC)	UNFCCC	United Nations Framework Convention on Climate Change
ENCON	Energy Conservation Promotion Fund (Thailand)	USAID	United States Agency for International Development
EPA	US Environmental Protection Agency	WEC	World Energy Council
ESCO	Energy Services Company	WRI	World Resources Institute
EEl	Energy Efficiency Initiative (ADB)		
EU	European Union		
EVN	Electricity of Vietnam		
EWG	Energy Working Group (APEC)		

TECHNICAL TERMS

AC	air conditioner
BOOT	build, own, operate, and transfer
BOT	build, operate, and transfer
BRT	bus rapid transit
CCB standards	climate, community, and biodiversity (CCB) standards
CCGT	combined cycle gas turbine
CCS	carbon capture and storage
CCT	clean coal technology
CERs	certified emissions reductions
CFL	compact fluorescent lamp
CHP	combined heat and power
CME	coco methyl ester
CNG	compressed natural gas
DMCs	developing member countries
DSM	demand-side management
EE	energy efficiency
EEM	energy efficient machinery
ETBE	ethyl-tertio-butyl-ether
FDG	flue gas de-sulfurization
GDP	gross domestic product
GHGs	greenhouse gases
GWP	global warming potential
HC	hydrocarbons
IGCC	integrated gasification combined cycle
INs	innovative nuclear energy systems
ITER	international thermonuclear experimental reactor
LNG	liquefied natural gas
LPG	liquid petroleum gas
MBFOE	million barrels of fuel oil equivalent
MEPS	minimum energy performance standards
MTBE	methyl-tertio-butyl-ether
NGO	non-governmental organization
ODA	official development assistance
O&M	operations and maintenance
PBF	public benefit fund
PF	pulverized fuel
PIC	program implementing committee
PV	photovoltaic
R&D	research and development
RD&D	research, development and demonstration
RE	renewable energy
R/P	reserve-to-production ratio
RPS	renewable portfolio standard
SCADA	supervisory control and data acquisition
SME	small and medium-sized enterprises
SUV	sport utility vehicle
T&D	transmission and distribution
TA	technical assistance
TSP	total suspended particulate
VAT	value added tax
WDI	world development indicators

POLLUTANTS

CO	carbon monoxide
CO ₂	carbon dioxide
CO ₂ e	carbon dioxide equivalent
NO	nitrogen oxide
NO _x	nitrogen oxides (general)
PM10	particulate matter (10 microns)
SO ₂	sulfur dioxide
SO _x	sulfur oxides (general)

UNITS

Energy

GWh	gigawatt-hour
GWh/yr	gigawatt-hour per year
KJ	kilojoule
Ktoe	kilotons of oil equivalent
kWh	kilowatt-hour
kWh/capita	kilowatt-hour per person
MMBFOE	million barrels of fuel oil equivalent
Mtoe	million tons of oil equivalent
PWh/yr	petawatt-hour per year
Toe	tons of oil equivalent
TWh	terawatt-hour
TWh/yr	terawatt-hour per year

Power or capacity

GW or GWe	Gigawatt (electricity)
MW or MWe	Megawatt (electricity)

Prices, costs, currencies

\$	US dollar
\$/kWe	US dollar per kilowatt (electricity)
\$/tC	US dollar per metric ton of carbon
cents/kWh	US cents per kilowatt-hour (¢/kWh)
RMB	Renminbi (or China's Yuan)

Weight, mass, or volume

g/kWh CO ₂	gram of CO ₂ per kilowatt hour
g/kWh	gram per kilowatt-hour
Bt	billion metric tons
Mt	million metric tons
MtC/year	million tons of carbon per year
ppmv	parts per million by volume
tCO ₂	tons of carbon dioxide

Other

km	kilometers
R/P ratio	resource-to-production ratio (years)
Person-years per MWh	number of jobs per megawatt-hour of electricity generated