

List of Abbreviations and Acronyms

AEDP	Alternative Energy Development Plan
AMS	ASEAN member state
ASEAN	Association of Southeast Asian Nations
A-USC	advanced ultra-supercritical
BESS	battery energy storage system
CCS	carbon capture and storage
CCT	clean coal technology
CCUS	carbon capture, usage, and storage
CFB	circulating fluidised-bed
CFPP	coal-fired power plant
CN	carbon neutrality
CO ₂	carbon dioxide
COD	commercial operation date
COP	Conference of the Parties
COVID-19	Novel Coronavirus (2019-nCoV)
C&I	commercial and industrial
DEDE	Department of Alternative Energy Development and Efficiency, Ministry of Energy Thailand
DMF	Department of Mineral Fuels, Ministry of Energy Thailand
EPPO	Energy Policy and Planning office, Ministry of Energy Thailand
ERIA	Economic Research Institute for ASEAN and East Asia
ESS	energy storage system
EV	electric vehicle
EVN	Vietnam Electricity
FGD	flue gas desulphurisation system
GDP	gross domestic product
GHG	greenhouse gas
G20	Group of Twenty
IEA	International Energy Agency
IGCC	integrated coal gasification combined cycle
IGFC	IGCC + fuel cell

IPP	independent power producer
KEGA	key economic growth activity
LiB	lithium-ion battery
LNG	liquefied natural gas
MCH	methylcyclohexane
MEMR	Ministry of Energy and Mineral Resources of Indonesia
MOIT	Ministry of Industry and Trade (Viet Nam)
MoU	memorandum of understanding
mREC	Malaysia Renewable Energy Certificates (Malaysia)
MyRER	Malaysia Renewable Energy Roadmap
NEDO	New Energy and Industrial Technology Development Organization
NEP	National Energy Policy
NESTI	Nano Malaysia Energy Storage Technology Initiative
NRE	new and renewable energy
OWP	offshore wind power
PDP8	Latest power development plan of Viet Nam
PEFC	PEM electrode fuel cell
PETRONAS	Petroleum Nasional Berhad
PLN	PT Perusahaan Listrik Negara (Persero) (State Electricity Company)
PPA	power purchase agreement
PSA	pressure swing adsorption
PSP	pumped storage power
PV	photovoltaic
R&D	research and development
RE	renewable energy
RUEN	Rencana Umum Energi Nasional (National Energy General Plan)
RUPTL	Rencana Usaha Penyediaan Tenaga Listrik (National Power Development Plan of Indonesia)
SAF	sustainable aviation fuel
SOFC	solid oxide fuel cell
ST	Energy Commission of Malaysia
TNB	Tenaga Nasional Berhad
UNFCCC	United Nations Framework Convention on Climate Change

USC	ultra-super critical
VRE	variable renewable energy
WG	Working Group