

List of Abbreviations and Acronyms

AEDP	Alternative Energy Development Plan (Thailand)
AES	aggressive electrification condition scenario (India)
AFET	alternative fuels and energy technologies
AFS	alternative fuels scenario (India)
AFV	alternative fuel vehicle
BAU	Business as Usual
BEV	battery electric vehicle
BIS	Bureau of Indian Standards (India)
BOE	barrel of oil equivalent
BOI	Thailand Board of Investment
BPD	barrels of oil per day
CAFE	corporate average fuel efficiency
CAGR	compound annual growth rate
CGD	city gas distribution
CL	cropland
CNG	compressed natural gas
DEDE	Department of Alternative Energy Development and Efficiency (Thailand)
DEN	Dewan Energi Nasional (Indonesia)
DOE	Department of Energy (Philippines)
EAS	East Asia Summit
EEP	Energy Efficiency Plan (Thailand)
EGAT	Electricity Generating Authority of Thailand
ENCON Fund	Energy Conservation Fund (Thailand)
EPPO	Energy Policy and Planning Office (Thailand)
EV	electric vehicle
EVAT	Electric Vehicle Association of Thailand
FL	forest land
GBEP	Global Bioenergy Partnership

GHG	greenhouse gas
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
GL	grassland
HCV	heavy commercial vehicle
HDV	heavy duty vehicle
HEV	hybrid electric vehicle
HPS	moderate electrification cum hybrid promotion scenario (India)
ICE	internal combustion engine
IEA/SMP	International Energy Agency/Sustainable Mobility Project
KEN	Kebijakan Energi Nasional (National Energy Policy) (Indonesia)
LCA	life cycle assessment
LCV	light commercial vehicle
LUC	land use change
MEMR	Ministry of Energy and Mineral Resources (Indonesia)
MES	moderate electrification scenario [India]
METI	Ministry of Economy, Trade and Industry (Japan)
MMSCFD	millions standard cubic feet per day
MoF	Ministry of Finance
MOPNG	Ministry of Petroleum and Natural Gas (India)
MSW	Municipal Solid Waste
MTG	methanol to gasoline
MTOE	million tons of oil equivalent
NDC	Nationally Determined Contribution
NGA	national government agency (Philippines)
NRCT	National Research Council of Thailand
ODMT	oven-dry metric ton
OES	only electrification scenario (India)
OTP	Office of Transport and Traffic Policy and planning (Thailand)
Pertamina	Perusahaan Pertambangan Minyak dan Gas Bumi Negara (Indonesian State Oil and Gas Company)

PHEV	plug-in hybrid electric vehicle
PKS	palm kernel shell
PLN	Perusahaan Listrik Negara (State Owned Power Company)
TERI	The Energy and Resources Institute
TISI	Thailand Industrial Standards Institute
TtW	tank-to-wheel
UNFCCC	United Nation Framework Convention on Climate Change
UNECE	United Nations Economic Commission for Europe
VKT	vehicle kilometres travelled
WTE	waste-to-energy
WtT	well-to-tank
WtW	well-to-wheel
xEV	electrified vehicle