

LIST OF ABBREVIATIONS AND ACRONYMS

ABRI	= the Australian Biofuels Research Institute
ADB	= Asia Development Bank
AEDP	= Alternative Energy Development Plan
AFTA	= ASEAN Free Trade Area
APEC	= Asia Pacific Economic Cooperation
Aprobi	= Biofuels Producers Association of Indonesia
ARENA	= Australian Renewable Energy Agency
ASEAN	= Association of Southeast Asian Nations
ASTM	= American Society for Testing and Materials
ATIGA	= ASEAN Trade in Goods Agreement
B1	= Mix of 1% Biodiesel and 99% Diesel
B2	= Mix of 2% Biodiesel and 98% Diesel
B5	= Mix of 5% Biodiesel and 95% Diesel
B10	= Mix of 10% Biodiesel and 90% Diesel
B20	= Mix of 20% Biodiesel and 80% Diesel
B25	= Mix of 25% Biodiesel and 75% Diesel
B100	= 100% biodiesel
BAA	= Biofuel Association of Australia
BANZ	= Bioenergy Association of New Zealand
BDF	= Biodiesel Fuel
BE	= Bioethanol
BPPT	= Agency for the Assessment of Application and Technology
CAAC	= Civil Aviation Administration of China
CAPEX	= Capital Expenditure
CEPO	= Clean Energy Program Office, Singapore
CERP	= Clean Energy Research Program
CIF	= Common Intermediate Format
CME	= Coco Methyl Ester
CNG	= Compressed Natural Gas
CNO	= Coconut Oil
CO ₂	= Carbon Dioxide
CP	= Commonwealth Preferences
CPO	= Crude Palm Oil

DEDE	= Department of Alternative Energy Development and Efficiency, Ministry of Energy of Thailand
DEMRR	= Ministry of Energy and Mineral Resource
DME	= Energy Self Sufficient Village Program
DOEM	= Department of Environment Malaysia
DOE	= Department of Energy, Philippines
DOST	= Department of Science and Technology, Philippines
E3	= Fuel Mixture by 3% Ethanol and 97% Gasoline
E5	= Fuel Mixture by 5% Ethanol and 95% Gasoline
E10	= Fuel Mixture by 10% Ethanol and 90% Gasoline
E15	= Fuel Mixture by 15% Ethanol and 85% Gasoline
E20	= Fuel Mixture by 20% Ethanol and 80% Gasoline
E25	= Fuel Mixture by 25% Ethanol and 75% Gasoline
E85	= Fuel Mixture by 85% Ethanol and 15% Gasoline
EFB	= Empty Fruit Bunch
EFTA	= European Free Trade Association
EIPO	= the Energy Innovation Program Office, Singapore
EMA	= Energy Market Authority, Singapore
EPA.US	= Environmental Protection Agency of United States
EPA	= Economic Partnership Agreement
EPPO	= Energy Policy and Planning Office, Thailand
ERIA	= Economic Research Institute for ASEAN and East Asia
ESP WG	= Energy Saving Potential Working Group of ERIA
ETBE	= Ethyl Tertiary Butyl Ether
EU	= European Union
EV	= Electricity Vehicle
FAME	= Fatty Acid Methyl Esters
FAO	= Food and Agriculture Organization
FFV	= Flexible Fuel Vehicle
FIT	= Feed-in Tariff
F/S	= Feasibility Study
FTA	= Free Trade Agreement
GAIN	= Global Agriculture Information Network
GDP	= Gross Domestic Product
GEN 2	= Second Generation Biofuels
GHG	= Greenhouse Gas
GMAC	= Genetic Modification Advisory Committee

GNS	= the Institute of Geological and Nuclear Science
GOI	= Government of Indonesia
GSP	= Generalized System of Preferences
GST	= Goods and Services Tax
GSTP	= Global System of Trade Preferences
GTA	= Global Trade Atlas
HS	= Harmonised Commodity Description and Coding System
HSD	= High Speed Diesel Oil
ICRIER	= Indian Council for Research on International Economic Relations
IEA	= International Energy Agency
IEEJ	= the Institute for Energy Economics, Japan
ITDI	= Industrial Technology Development Institute
ITH	= Income Tax Holiday
JBEDC	= Japan Bio-Energy Development Corporation
JDI	= Japan Development Institute
JETRO	= Japan External Trade Organization
JOil	= JOil (Singapore) Pte. Ltd.
JPJ	= Road Transport Department, Malaysia
KEN	= National Energy Policy
KKPE	= Credit for Food and Energy Security
KMUTNB	= King Mongkut's University of Technology North Bangkok
KPEN-RP	= Bio-energy Development and Revitalization of Plantations
KPPK	= Ministry of plantation Industries and Commodities, Malaysia
LIPI	= Indonesian Institute of Sciences
LIRE	= Lao Institute for Renewable Energy
LLC	= Limited Liability Company
LNG	= Liquefied Natural Gas
LPG	= Liquefied Petroleum Gas
MAA	= Malaysian Automotive Association
MAFF	= Ministry of Agriculture, Forestry and Fisheries, Japan
MAI	= Ministry of Agriculture and Irrigation, Myanmar
MEWR	= Ministry of the Environment and Water Resources, Singapore
MFN	= Most Favoured Nation
MIC	= Myanmar Investment Committee
MOE	= Ministry of Energy, Myanmar
MOMG	= Malaysian Oleochemical Manufacturers Group
MPOB	= Malaysia Palm Oil Board

MPP	= Minimum Purchase Price
MS	= Methyl Esters (Malaysian Standard on Biodiesel)
MSP	= Minimum Support Price
MTI	= Ministry of Trade and Industry, Singapore
NBB	= National Biofuel Board, Philippines
NBPM	= National Biofuel Policy, Malaysia
NBPP	= National Biofuel Policy, Philippines
NCCC	= The National Climate Change Committee, Singapore
NDRC	= National Development and Reform Commission, China
NEA	= National Environment Agency, Singapore
NES	= New Zealand Energy Strategy 2011-2021
NOLCO	= Net Operating Loss Carry Over
NPC	= National Power Corporation
NSTDA	= National Science and Technology Development Agency
NZEECS	= New Zealand Energy Efficiency and Conservation Strategy 2011-2016
NZES	= New Zealand Energy Strategy 2011-2021
NZFOA	= New Zealand Forest Owners Association
OAM	= Office of Agricultural Economics
OCSB	= Office of Cane and Sugar Board
OECD	= Organization for Economic Cooperation and Development
OMC	= Oil Marketing Companies
PCA	= Philippine Coconut Authority
PCAMRD	= Philippine Council for Aquatic and Marine Research and Development
PCIERD	= Philippine Council for Industry and Energy Research and Development
PCRDF	= Philippine Coconut Research Development Foundation
PDR	= People's Democratic Republic
PEN	= Blueprint for National Energy Plan; PEN 2005 ~ 2025
PETRONAS	= Petroliam Nasional Berhad
PI	= Presidential Instruction
PLN	= Perusahaan Umum Listrik Negara
PM	= Particulate Matter
PME	= Palm Methyl Esters
PMK	= Regulation of the Ministry of Finance
PNOC-ERDC	= Philippine National Oil Company-Energy Research and

	Development Center
PNS	= Philippine National Standards
PPKS	= Centre for Oil Palm Research, Medan
PPO	= Pure Plant Oil
PPP	= Public Private Partnership
PSI	= Pollutant Standards Index
PSO	= Public Service Obligation
PTC	= Philippine Tariff Commission
PTT	= Petroleum Authority of Thailand
PV Oil	= Petro Vietnam Oil
RA	= Republic Act of Philippines
RBD	= Refined, Bleached and Deodorised
RD & D	= Research, Development and Demonstration
RE	= Renewable Energy
REDP	= Renewable Energy Development Plan
RFS	= Renewable Fuel Standards
RITE	= Research Institute of Innovative Technology for the Earth
SIRIM	= Standards and Industrial Research Institute of Malaysia
SNI	= Standar Nasional Indonesia
SO ₂	= Sulfur Dioxide
STL	= Shale-to-Liquids
SVO	= Straight Vegetable Oil
TBO	= Tree-Borne Oilseeds
TCPPA	= Technical Committee on Petroleum Products and Additives
TimNas BBN	= National Team for Biofuels Development
TISTR	= Thailand Institute of Scientific and Technological Research
TLL	= Temasek Life Science Laboratory
UAC	= Universal Adsorbents & Chemicals
UGR91	= Gasoline Octane 91
UPV	= University of Philippines at Visayas
UPLB	= University of Philippines in Los Banos
U.S.	= United State
US	= United State
USDA	= United States Department of Agriculture
VAT	= Value Added Tax
VPI	= Vietnam Petroleum Institute
WG	= Working group

WTO = World Trade Organization

UNIT

Ha	= Hectares
kg	= Kilogram
kL	= Kiloliters
ktoe	= Thousand tonnes of oil equivalent
kW	= Kilowatts
kWh	= Kilowatts hour
L	= Liters
ML	= Million Liters
Mtoe	= Million tonnes of oil equivalent
MW	= Megawatt
PJ	= petajoules
toe	= Tonnes of oil equivalent
$\mu\text{g}/\text{m}^3$	= Microgram/cubic meter

Currency

RM	= Ringgit Malaysia
Rs	= India Rupees
NZ	= New Zealand Dollars
VND	= Vietnamese Dong