



MUFG Transition Whitepaper 2025

References • Company Name • List of Acronyms

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■ Company Name

Name in the Whitepaper	Official Name
Abilene Christian University	Abilene Christian University
ADNOC	Abu Dhabi National Oil Company
AGC	AGC Inc.
ALASKA LNG	Glenfarne Group, LLC.
ALASKA LNG	Alaska Gasline Development Corporation
Amazon	Amazon.com, Inc.
ANA	ANA HOLDINGS INC.
Asahi KASEI	Asahi Kasei Corporation
Asahi Shinbun	The Asahi Shimbun Company
ASEAN Centre for Energy	ASEAN Centre for Energy
Audi	Audi AG
AWS	Amazon Web Services, Inc.
AZEC	Asia Zero Emissions Community
BASF	BASF SE
Bayer	Bayer AG
BloombergNEF	Bloomberg L.P.
BOEM	Bureau of Ocean Energy Management
Borgwarner	BorgWarner Inc.
Bosch	Robert Bosch GmbH
BP	BP p.l.c
BYD	BYD Company Limited
Central China Securities	Central China Securities Co., Ltd.
Central Glass Co., Ltd.	Central Glass Co., Ltd.
CHENIERE	Cheniere Energy, Inc.
CHERY	Chery Automotive Co., Ltd.

Company Name

Name in the Whitepaper	Official Name
China Executive Briefing	ASIA SOCIETY AUSTRALIA
China Green Electricity Investment (Tianjin) Co., Ltd.	China Green Electricity Investment (Tianjin) Co., Ltd.
China Huaneng Group	China Huaneng Group Co., Ltd.
China Hydrogen Alliance	China Hydrogen Alliance
China Resources Gas	China Resources Gas Group Limited
China Three Gorges Corporation	China Three Gorges Corporation
Climate Action Tracker	Climate Action Tracker
Climate Watch	Climate Watch Data
CNNC	China National Nuclear Corporation
ConocoPhillips	ConocoPhillips Company
Continental	Continental AG
CWEA	China Wind Energy Association
DAIMLER TRUCK	Daimler Truck Holding AG
Daio Paper Corporation	Daio Paper Corporation
DE NORA	De Nora Permelec Ltd
Denka	Denka Company Limited
Department of Atomic Energy	Department of Atomic Energy
Department of Energy Philippines	Department of Energy Philippines
Deutsche Industrie- und Handelskammer	Deutsche Industrie- und Handelskammer
Digital Research	DIGITAL RESEARCH
DNV	DNV
DOE	U.S. Department of Energy
Ebro	EBRO-EV MOTORS S.A.
EDF	Électricité de France S.A.
EMA	Energy Market Authority of Singapore
Ember	Ember Energy Research CIC

Company Name

Name in the Whitepaper	Official Name
Encyclis	Encyclis Limited
ENEOS	ENEOS Holdings, Inc.
ENEOS Xplora	ENEOS Xplora Inc.
EnerData	EnerData SAS
Energy Solutions	EnergySolutions, LLC
ENN Natural Gas	ENN Natural Gas Co., Ltd.
Envix	Envix Research Inc.
EQUINIX	Equinix, Inc.
ErirGrid	EirGrid plc
ETP	Southeast Asia Energy Transition Partnership
EU-Japan Centre for Industrial Cooperation	EU-Japan Centre for Industrial Cooperation
European Commission	European Commission
European Hydrogen Bank	European Hydrogen Bank
Evonik	Evonik Industries AG
Ford	Ford Motor Company
Furukawa Electric Group	Furukawa Electric Co., Ltd.
GCFEN	GCFEN
GEIRO	Research Institute of Innovative Technology for the Earth
General Administration of Customs People Republic of China	General Administration of Customs People Republic of China
Global CCS Institute	Global Carbon Capture and Storage Institute
Global Data	GlobalData Plc
Global Energy Monitor	Global Energy Monitor
Global Solar ATLAS	Global Solar Atlas
Global Wind ATLAS	Global Wind Atlas
GM	General Motors Company

Name in the Whitepaper	Official Name
Google	Google LLC
Government of India Ministry of Commerce and Industry	Government of India Ministry of Commerce and Industry
Guangzhou Gas	Guangzhou Guanggang Gases & Energy Co., Ltd.
GX Implementation Council	GX Implementation Council
ICAO	International Civil Aviation Organization
Idaho National Laboratory	Idaho National Laboratory
IEA	International Energy Agency
IEEJ	The Institute of Energy Economics, Japan
IMO	International Maritime Organization
IRENA	International Renewable Energy Agency
IRS	Internal Revenue Service
JAL	Japan Airlines Co., Ltd.
JAMA	Japan Automobile Manufacturers Association, Inc.
JERA	JERA Co., Inc.
JETP	Just Energy Transition Partnerships
JETRO	Japan External Trade Organization
JFCC	Japan Federation of Construction Contractors
JFE	JFE Steel Corporation
JGC	JGC Holdings Corporation
JISF	The Japan Iron and Steel Federation
JLCA	Japan Life Cycle Assessment Facilitation Centre LCAF
JOGMEC	Japan Organization for Metals and Energy Security
JPEC	Japan Petroleum and Carbon Neutral Fuels Energy Center
Kairos Power	Kairos Power LLC
Kanadevia	Kanadevia Corporation
Kansai Electric Power	The Kansai Electric Power Company, Incorporated

Name in the Whitepaper	Official Name
KATAOKA	KATAOKA CORP.
KENYATAAN MEDIA	Ministry of Energy Transition and Water Transformation
KH	KOMAIHALTEC Inc.
Kobe Steel	Kobe Steel, Ltd.
Latitude media	Latitude Media, Inc.
Lawrence Berkeley National laboratory	Lawrence Berkeley National Laboratory
Lazard	Lazard, Inc
Made-in-China	Made-in-China.com (Focus Technology Co., Ltd.)
Madhya Pradesh State Electricity Board	Madhya Pradesh Power Generating Co. Ltd.
Maeve	MAEVE Aerospace B.V.
Marubeni	Marubeni Corporation
MEA	Ministry of External Affairs
Medco Energi	PT Medco Energi Internasional Tbk
Mercuria	Mercuria Energy Group Ltd.
META	Meta Platforms, Inc.
Metal One	Metal One
METI	Ministry of Economy, Trade and Industry
Microsoft	Microsoft Corporation
Ministry of Land, Infrastructure, Transport and Tourism	Ministry of Land, Infrastructure, Transport and Tourism
Ministry of the Environment	Ministry of the Environment
MITSUBISHI CHEMICAL GROUP	Mitsubishi Chemical Group Corporation
Mitsubishi UFJ Research & Consulting	Mitsubishi UFJ Research and Consulting Co., Ltd.
Mitsui & Co. Global Strategic Studies Institute	MITSUI & CO, GLOBAL STRATEGIC STUDIES INSTITUTE
Mitsui Chemicals	Mitsui Chemicals, Inc.
MOL	Mitsui O.S.K. Lines, Ltd.

Name in the Whitepaper	Official Name
MUCC	Mitsubishi UBE Cement Corporation
NAROC	NAROC ROPE TECH.
National Nuclear Safety Administration	National Nuclear Safety Administration
NEA	National Energy Administration
NEDO	New Energy and Industrial Technology Development Organization
Nikkei	Nikkei Inc.
Nippon Paper GROUP	Nippon Paper Industries Co., Ltd.
NIPPON STEEL	NIPPON STEEL CORPORATION
NIPPON STEEL ENGINEERING	NIPPON STEEL ENGINEERING CO., LTD.
NIPPONSTEEL SLAG PRODUCTS CO.,LTD.	NIPPONSTEEL SLAG PRODUCTS CO.,LTD.
Nissan	Nissan Motor Co., Ltd.
NITI Aayog	National Institution for Transforming India Aayog
NPCIL	Nuclear Power Corporation of India Limited
NRC	U.S. Nuclear Regulatory Commission
NSG	Nippon Sheet Glass Company, Ltd.
Nuclear Engineering International	Nuclear Engineering International
NYK	Nippon Yusen Kabushiki Kaisha
OJI	Oji Holdings Corporation
Orix	ORIX Corporation
OSAKA SODA	OSAKA SODA CO., LTD.
OSHIMA	Oshima Shipbuilding Co., Ltd.
Panasonic Energy	Panasonic Energy Co., Ltd.
Pearl River Investment	Guangdong Pearl River Investment Management Group Co., Ltd.
PORSCHE	Dr. Ing. h.c. F. Porsche AG
POWERCHINA	Power Construction Corporation of China, Ltd.
Press Information Bureau	Press Information Bureau

Company Name

Name in the Whitepaper	Official Name
RBAC	RBAC Inc.
Ren21	Renewable Energy Policy Network for the 21st Century
Renewables Now	Renewables Now
RESONAC	Resonac Holdings Corporation
Reuters	Reuter Holdings PLC
RMI	Rocky Mountain Institute
S&P Global	S&P Global Inc.
Saint-Gobain	Compagnie de Saint-Gobain
SCREEN	SCREEN Holdings Co., Ltd.
SEKISUI	SEKISUI CHEMICAL CO., LTD.
Solar Power Europe	Solar Power Europe
STELLARIA	Stellaria
TAIHITO CEMENT CORPORATION	TAIHITO CEMENT CORPORATION
Talen Energy	Talen Energy Corporation
Technip Energies	Technip Energies N.V.
The Class NK	The Class NK
The Philippine Economic Zone Authority	Philippine Economic Zone Authority
The White House	The Executive Office of the President of the United States
The Yomiuri Shinbun	The Yomiuri Shimbun Holdings
TORAY	Toray Industries, Inc.
TOSHIBA	Toshiba Corporation
TOYOTA	Toyota Motor Corporation
U.S. Steel	United States Steel Corporation
ULC Energy	ULC-Energy B.V
UNDP	United Nations Development Programme
VENTURE GLOBAL	Venture Global, Inc.

Company Name

Name in the Whitepaper	Official Name
VW	Volkswagen AG
Wind Europe	Wind Europe
Woodside Energy	Woodside Energy Group Ltd.
ZF	ZF Friedrichshafen AG
Zhejiang Energy	Zhejiang Provincial Energy Group Company Ltd.
ZhenHuaOil	China ZhenHuaOil Co., Ltd.

■ List of Acronyms

BEV	A vehicle powered solely by electric motors and batteries. (Battery Electric Vehicle)
BIGST	Abbreviation for the policy framework used to analyze structural changes in society and industry (Behavioral, Institutional, Governance, Social, Technological)
CBAM	A system that imposes taxes or adjustments based on the carbon emissions of imported goods (Carbon Border Adjustment Mechanism)
CCS	Efforts to capture CO ₂ and safely store it underground (Carbon dioxide Capture and Storage)
CCU	Technology to capture CO ₂ and reuse it for fuels, chemicals, or building materials. (Carbon dioxide Capture & Utilization)
CCUS	A technology that captures carbon dioxide emitted from power plants and factories, reuses it, or stores it underground to reduce atmospheric emissions (Carbon Capture, Utilization, and Storage)
CfD	A government mechanism compensating renewable energy producers for the difference between market and guaranteed prices.(Contract for Difference)
CN	Carbon Neutrality
CORSIA	An international system introduced by ICAO to offset the increase in CO ₂ emissions from international aviation (Carbon Offsetting and Reduction Scheme for International Aviation)
DC	Data Center
ETS	A system where the government sets a cap on total emissions and companies can buy and sell emission allowances. (Emissions Trading System)
EV	Electric Vehicle
FCEV	A vehicle powered by hydrogen fuel cells that generate electricity on board (Fuel Cell Electric Vehicle)
FID	Final Investment Decision

List of Acronyms

FTA	Free Trade Agreement
GAFAM	Google, Amazon, Meta (Facebook), Apple, Microsoft
GHG	Greenhouse Gas
GX	Green transformation
HVDC Cable	A technology for long-distance and subsea high-voltage direct current power transmission. (High Voltage Direct Current Cable)
IJJA	Infrastructure Investment and Jobs Act
IPEF	An economic partnership framework focused on supply chains, clean economy, and fair economy. (Indo-Pacific Economic Framework for Prosperity)
IRA	Comprehensive Climate Change, Energy, and Tax Reform Act to Expand Subsidies and Tax Credits for Renewable Energy, EVs, Hydrogen, CCUS, and More (Inflation Reduction Act)
ITC	A U.S. tax incentive allowing a certain percentage of renewable energy investment costs to be deducted from corporate income tax. (Investment Tax Credit)
LCOE	The average cost per kilowatt-hour (kWh) obtained by dividing the total lifetime cost of a power generation facility by its total electricity output (Levelized Cost of Energy)
LLP	A joint business entity where investors are liable only up to the amount of their investment. (Limited Liability Partnership)
LNG	Liquefied Natural Gas
LOI	Letter of Intent to document the parties' agreement in business or contract negotiations (Letter of Intent)
LTMS-PIP	Lao–Thailand–Malaysia–Singapore Power Integration Project
OBBB act	One Big Beautiful Bill ACT

List of Acronyms

OECD	Organization for Economic Co-operation and Development
PHEV	A vehicle equipped with both an engine and an electric motor, which can also be charged from an external power source. (Plug-in Hybrid Electric Vehicle)
PINC	Nuclear Illustrative Programme
PLI	An Indian government subsidy program to promote manufacturing and exports. (Production Linked Incentive Scheme)
PPA	Power Purchase Agreement
PTC	A U.S. tax incentive allowing tax deductions based on the amount of electricity generated. (Production Tax Credit)
RPO	A policy requiring utilities to procure a certain proportion of power from renewable energy sources.(Renewable Purchase Obligation)
S+3E	Key words illustrating the fundamental principles of Japan's energy policy (Safety + Energy Security • Economic Efficiency • Environment)
SAF	Jet fuel produced from renewable resources as an alternative to conventional fossil-based fuels. (Sustainable Aviation Fuel)
SCEP	Strategic Clean Energy Partnership
SMR	Small Modular Reactor
TTC	Policy Dialogue Framework in Trade and Technology (Trade and Technology Council)
WACC	Weighted Average Cost of Capital
WTO	The World Trade Organization



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