

Abbreviations

ADNOC	Abu Dhabi National Oil Company
AI	artificial intelligence
ALAM	Association of Licensed Automobile Manufacturers
AVs	autonomous vehicles
b/d	barrels per day
BCM	billion cubic meters
BECCS	bioenergy with carbon capture and storage
CAFE	corporate average fuel economy
CCS	carbon capture and storage
CCUS	carbon capture utilization and sequestration
CNPC	China National Petroleum Corporation
CO ₂	carbon dioxide
DARPA	Defense Advanced Research Project Agency
EBA	European Battery Alliance
EOR	enhanced oil recovery
ESPO	East Siberia-Pacific Ocean
EVs	electric vehicles
eVTOLs	electric vertical takeoff and landing aircraft
F & D	finding and development
FDI	final decision investment
4DS	four degrees scenario
5G	fifth-generation mobile wireless technologies
G20	Group of Twenty
GDP	gross domestic product
GHz	gigahertz

GPS	Global Positioning System
IAMs	integrated assessment models
ICE	internal combustion engines
IEA	International Energy Agency
IMF	International Monetary Fund
IPO	initial public offering
IRR	internal rate of return
ISO	independent system operator
ITU	International Telecommunications Union
IWG	Interagency Working Group
LTE	long-term evolution
MIT	Massachusetts Institute of Technology
MoMo	mobility model
NPC	National People's Congress
OAS	Organization of American States
OEMs	original equipment manufacturers
OPEC	Organization of the Petroleum Exporting Countries
P2P	peer-to-peer communication
PHEV	plug-in hybrid electric vehicles
PIF	public investment fund
R & D	research and development
SCC	social cost of carbon
SDS	sustainable development scenario
SRM	solar radiation management
SWIPT	Simultaneous Wireless Information and Power Transfer
3D	three-dimensional
TOE	tons of oil equivalent
UPS	United Parcel Services
V2G	vehicle to grid
V2H	vehicle to home
VMT	vehicle miles traveled
WTI	West Texas Intermediate