

SHORTENED FORMS

ABWR: advanced boiling water reactor

AEMO: Australian Energy Market Operator

ANRDR: Australian National Radiation Dose Register

ANSTO: Australian Nuclear Science and Technology Organisation

APSN: Asia-Pacific Safeguards Network

ARPANSA: Australian Radiation Protection and Nuclear Safety Agency

ARS: acute radiation syndrome

ASN: Nuclear Safety Authority (France)

ASNO: Australian Safeguards and Non-proliferation Office

AUD or A\$: Australian dollar

BMUB: Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (Germany)

BWR: boiling water reactor

capex: capital expenditure

CCGT: combined cycle gas turbine

CCS: carbon capture and storage

CNNC: China National Nuclear Corporation

CSA: Comprehensive Safeguards Agreement

CSIRO: Commonwealth Scientific and Industrial Research Organisation

CT: computed tomography

CTBT: Comprehensive Nuclear-Test-Ban Treaty

DEWNR: Department of Environment, Water and Natural Resources (South Australia)

DSD: Department of State Development (South Australia)

DU: depleted uranium

EIA: environmental impact assessment

ENSI: Swiss Federal Nuclear Safety Inspectorate

EPA: Environment Protection Authority (South Australia)

EPBC Act: *Environment Protection and Biodiversity Conservation Act 1999* (Cth)

EPRI: Electric Power Research Institute

EPRI/CO₂CRC: Electric Power Research Institute and Carbon Dioxide Cooperative Research Centre

ESBWR: economically simplified boiling water reactor

EUR or €: Euro (currency)

FANC: Federal Agency for Nuclear Control

FAO: Food and Agriculture Organization (United Nations)

FGF: Future Grid Forum

FTE: full-time equivalent

gCO₂-e/kWh: grams carbon dioxide equivalent per kilowatt hour

GDF: geological disposal facility

GJ: gigajoule

GST: goods and services tax (Australian Government)

GWe: gigawatt electrical

Gy: gray, the unit in which a dose of radiation is measured

HEU: highly enriched uranium

HLW: high level waste

HM: heavy metal

HTR-PM: high temperature gas cooled pebble bed modular

HWR: heavy water reactor

IAEA: International Atomic Energy Agency

IDR: intermediate depth repository

IEA: International Energy Agency

ILW: intermediate level waste

INDC: intended nationally determined contribution

INF Code: International Code for the Safe Carriage of Packaged Irradiated Nuclear Fuel, Plutonium and High Level Radioactive Wastes on Board Ships

INLEX: International Expert Group on Nuclear Liability

IPCC: Intergovernmental Panel on Climate Change

ISF: interim storage facility

ISL: in-situ leaching

JSCOT: Joint Standing Committee on Treaties (Parliament of Australia)

KAERI: Korean Atomic Energy Research Institute

kg: kilogram

KINS: Korean Institute for Nuclear Safety

km: kilometre

KORAD: Korea Radioactive Waste Management Corporation

kt: kilotonne

L: litre

LCOE: levelised cost of electricity

LILW: low and intermediate level waste

LLW: low level waste

LNT: linear non-threshold assumption

LOCA: loss-of-coolant accident

LRET: Large-scale Renewable Energy Target (Australian Government)

LWR: light water reactor

m: million

m³: cubic metre

ML: megalitre

MOX: mixed oxide fuels

mSv: millisievert (0.001 Sv)

mSv/a: millisieverts per year

MtCO₂-e: megatonne carbon dioxide equivalent

MUF: material unaccounted for

MWe: megawatts electric

NEA: Nuclear Energy Agency

NEM: National Electricity Market (Australia)

NICNAS: National Industrial Chemicals Notification and Assessment Scheme

NPT: non-proliferation treaty

NPV: net present value

NRC: Nuclear Regulatory Commission (United States)

NSSC: Nuclear Safety and Security Commission (Korea)

OCGT: open cycle gas turbines

OECD: Organisation for Economic Cooperation and Development

OECD-NEA: Organisation for Economic Cooperation and Development–Nuclear Energy Agency

ONDRAF/NIRAS: Agency for Radioactive Waste and Enriched Fissile Materials (Belgium)

OPAL: Open Pool Australian Lightwater

PACE: Plan for Accelerating Exploration (South Australia)

PEPR: Program for Environmental Protection and Rehabilitation (Australia)

PET: positron emission tomography

PHWR: pressurised heavy water reactor

PUREX: plutonium uranium extraction

PV: photovoltaic

PWR: pressurised water reactor

RD&D: research, development and demonstration

RMP: Radiation Management Plan

Rosatom: Rosatom Overseas Inc.

RWMP: Radioactive Waste Management Plan (South Australia)

SAHMRI: South Australian Health and Medical Research Institute

SCK-CEN: Nuclear Research Centre (Belgium)

SKB: Nuclear Fuel and Waste Management Co (Sweden)

SMR: small modular reactor

SPNFZT: South Pacific Nuclear Free Zone Treaty

STEM: science, technology, engineering and maths (based)

STORA: Study and Consultation Radioactive Waste Dessel (Belgium)

STUK: Radiation and Nuclear Safety Authority (Finland)

t: tonnes

TEPCO: Tokyo Electric Power Company

tHM: tonne of heavy metal

THORP: Thermal Oxide Reprocessing Plant

TLD: thermoluminescent dosimeter

tU: metric tonne of uranium

TVO: Teollisuuden Voima Oyj (Finland)

UAE: United Arab Emirates