As of July 1, 2022

List of Examples of Eligible Projects

Theme	Sector		Technology categories	Examples
Global warming prevention	Energy supply (power generation and heat supply)	Renewable energy and next-generation energy	Solar energy	● Solar power generation ● Solar thermal power generation ● Utilization of solar thermal energy
			Wind energy	● Wind power generation
			Geothermal energy	● Geothermal power generation ● Utilization of geothermal energy (including geothermal heat pumps, GHPs)
			Biomass energy	● Bioenergy power generation ● Utilization of biomass heat and biogas
				● Production of biofuels
			Hydropower energy	● Hydropower generation
			Other renewable energies	● Thermal gradient energy ● Marine energy
			Renewable energy-related businesses	● Facilities and services for grid stability ● High-performance grid connection facilities
				● Facilities and services for electricity transmission and distribution that contribute to the spread of renewable energy (including interconnections)
				● Facilities and equipment essential for utilizing renewable energy (including windmills and geothermal power facilities)
			Production, transport, supply, and utilization of hydrogen and fuel ammonia	● Production of hydrogen and fuel ammonia ● Hydrogen and fuel ammonia carriers ● Hydrogen and ammonia fueling stations

		Energy-saving power generation and heat supply	Abated coal-fired power generation	● Coal-fired power generation with carbon dioxide capture, usage, and storage (CCUS)
			Gas-fired power generation	● Combined cycle gas turbines (CCGTs)
			Cogeneration	● Cogeneration systems
			Waste utilization	● Waste incineration power generation ● Waste co-firing
				● Utilization of incinerator exhaust heat ● Landfill gas power generation
				● Fuel pellets from waste
			Fuel cells	● Fuel cells
			Projects related to power generation and heat supply using non-renewable energy sources	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods ● Converting fuels to reduce emission intensities ● Biomass co-firing ● Introducing coal preparation facilities ● Implementing low-grade coal liquefaction and gasification
				● Other facilities and equipment essential for utilizing energy-saving power generation and heat supply (including fuel cells)
	Energy demand	(1) Iron and steel	High-efficiency equipment and technology	● Coal moisture control (CMC) equipment ● Super coke ovens for productivity and environmental enhancement toward the 21st century (SCOPE21) ● Pulverized coal injection (PCI) ● High-efficiency arc furnaces
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods

			Efficient use of exhaust heat and gas	● Coke dry quenching (CDQ) systems ● Blast furnace top pressure recovery turbines (TRT) ● By-product gas high-efficiency combined power generation equipment ● Coke oven gas (COG) recovery ● Blast furnace gas (BFG) recovery ● Linz-Donawitz converter gas (LDG) recovery ● Linz-Donawitz converter gas exhaust heat recovery ● Sinter cooler exhaust heat recovery ● Hot stove exhaust heat recovery ● Regenerative burners ● Electric furnace exhaust heat recovery and utilization ● Sinter main exhaust gas and heat recovery ● Burners at sinter ignition furnaces
			Efficient use of untapped resources	● Dust recycling technology
		(2) Cement	High-efficiency equipment and technology	● Vertical roller mills ● Suspension preheaters (SP) ● New suspension preheaters (NSP) ● Fluidized bed kiln systems ● High-efficiency clinker coolers ● High-efficiency separators
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods
			Efficient use of exhaust heat and gas	● Cement plant waste heat recovery power generation
			Efficient use of untapped resources	● Utilization of alternative fuels and raw materials (AFR)
		(3) Chemicals and petrochemicals	High-efficiency equipment and technology	● Ion exchange membrane-based brine electrolyzers ● High-efficiency propylene separation equipment ● Fluid catalytic cracker power

				recovery systems
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods
			Efficient use of exhaust heat and gas	● By-product gas power generation ● Exhaust heat recovery equipment
			Efficient use of untapped resources	● Plastic recycling
		(4) Non-ferrous metals	High-efficiency equipment and technology	● High-efficiency melting and holding furnaces ● Pre-combustion systems
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods
			Efficient use of exhaust heat and gas	● Conversion process waste heat recovery ● Regenerative burners
			Efficient use of untapped resources	● Recycling of materials such as aluminum
		(5) Pulp and paper	High-efficiency equipment and technology	● High-temperature and high-pressure black liquor recovery boilers ● High-efficiency waste paper pulp manufacturing technology ● High-efficiency cleaning equipment ● High-efficiency drying equipment ● Low differential pressure cleaners
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods
			Efficient use of exhaust heat and gas	● Cogeneration systems
			Efficient use of untapped resources	● Equipment for utilizing wood chips and paper sludge as fuel
		(6) Other industries (food	High-efficiency equipment and technology	● High-efficiency boilers ● High-efficiency compressors ● High-efficiency electric motors ● High-efficiency melting furnaces

		products, textiles and spinning, glass, ceramics, etc.)		● High-efficiency lighting ● High-efficiency air conditioning
			Renovation and improvement	● Maintaining equipment efficiency ● Streamlining processes ● Improving operational methods
			Efficient use of exhaust heat and gas	● Exhaust heat and gas recovery equipment ● Cogeneration systems ● Regenerative burners
			Efficient use of untapped resources	● Technology for efficient use of untapped resources
		New plants that include items (1) to (6) above		
	Green innovation	Smart energy (power transmission and distribution)	Smart grid and microgrid	● Demand response ● Grid-scale batteries ● Behind-the-meter batteries ● Advanced metering infrastructure (AMI) ● Virtual power plants
			Grid systems	● Wide-area situational awareness (WASA) ● High-efficiency transmission lines ● Electricity distribution networks
			Rechargeable batteries	● Sodium-sulfur batteries (NAS batteries) ● Redox flow batteries ● High-efficiency lithium-ion batteries ● Nickel-metal hydride batteries ● Lead-acid batteries
			Transformers	● Amorphous transformers
		Green mobility (transportation)	Modal shift and high-efficiency transportation systems	● Intercity transportation ● Urban rail transit ● Subways ● New transit systems (automated guideway transit [AGT], light rail transit [LRT], high speed surface transport [HSST] and monorails) ● Transportation management systems
			Next-generation mobility	● Alternative fuel vehicles (including EVs and hydrogen vehicles) ● Electric ships and ferries ● Related infrastructure

				development
		Smart cities (public welfare)	Regional utilities	● District heating and cooling systems ● Regional energy management systems ● Home energy management systems (HEMS)
			Office building utilities (including ESCO projects)	● Building energy management systems (BEMS) ● Commercial energy-saving equipment
			Energy-saving equipment and services	● High-efficiency lighting (LED, organic EL, etc.) ● Top-runner equipment
	Other projects related to reduction of greenhouse gas emissions		Reduction of methane emissions	● Methane recovery from coal mines ● Methane recovery from associated gas from oil fields ● Methane recovery from organic waste ● Reduction of methane emissions due to land use changes
			Reduction of fluorocarbon emissions	● Treatment and emission controls of fluorocarbons and alternative fluorocarbons
			Nitrous oxide decomposition	● Nitrous oxide (N2O) decomposition and emission controls
			Carbon dioxide capture and reduction, etc.	● Carbon capture (CC) ● Carbon capture and storage (CCS) ● Carbon capture, transport, and utilization (CCU) ● Afforestation and forest conservation
			Low-carbon technology and materials	● Manufacture and sale of materials and products related to low-carbon technology, including major parts and equipment essential to implementing the above projects
Global environmental	Global environmental conservation aside from global warming		Other air pollution prevention projects	● Desulfurization and denitrification equipment ● Particulate matter removal equipment

conservation aside from global warming prevention	prevention	Water supply, water pollution prevention, etc.	● High-efficiency water treatment ● Water production using membranes (including reverse osmosis [RO] membranes) ● Seawater desalination treatment
		Waste treatment, etc.	● Waste treatment ● Recycling
		Marine plastic pollution measures	● Biodegradable plastics and polymers

Note: The list is subject to change as needed to support projects implemented by companies with decarbonization policies, such as declarations to achieve carbon neutrality by 2050 or similar initiatives, that are in line with those policies.