Level 1	Level 2	Level 3
gxA Energy Supply		
	01 Solar Photovoltaic Power Generation	
		a Solar Photovoltaic Power Generation
	02 Solar Thermal Energy Utilization	
		a Solar Thermal Power Generation
		b Solar Thermal Collectors, Solar Thermal Systems
	03 Wind Power Generation	
		a Wind Power Generation
	04 Geothermal Utilization	
		a Geothermal Power Generation
		b Geothermal Collectors, Geothermal Systems
	05 Hydro-Power Generation	
		a Hydro-Power Generation
	06 Ocean Energy Power Generation	
		a Wave Power Generation, Tidal Power Generation
		b Ocean Thermal Energy Conversion, Ocean Salinity Gradient Power Generation
	07 Biomass	
		a Solid Biofuels
		b Liquid Biofuels
		c Biogas
	08 Nuclear Power Generation	
		a Fusion Reactors, Nuclear Reactors, Nuclear Power Plant
	09 Fuel Cells	
		a Fuel Cells, Fuel Cell Systems (Stationary, Mobility)
	10 Hydrogen Technology	
		a Hydrogen Production
		b Hydrogen Storage, Transportation, Supply, Hydrogen Stations
		c Use of Hydrogen in Combustion (Hydrogen Engine Vehicles, etc.)
	11 Ammonia Technology	
		a Ammonia Production
		b Ammonia Storage, Transportation
		c Use of Ammonia in Combustion
gxB Energy Saving, Electrification, Demand-Supply Flexibility		
	01 Energy Saving in Buildings (ZEB, ZEH, etc.)	
		a Building Insulation
		b High-Efficiency Air Conditioner
		c High-Efficiency Water Heaters
		d High-Efficiency Lighting (LEDs, OLEDs)
	02 High-Efficiency Motors and Inverters	
		a High-Efficiency Motors and Inverters
	03 Combined Heat and Power (CHP)	
		a Combined Heat and Power (CHP)
	04 Energy Saving and Supply/Demand Flexibility in Treatment of Water, Wastewater, Sewage, and Sludge	
		a Energy Saving and Supply/Demand Flexibility in Treatment of Water, Wastewater, Sewage, and Sludge
	05 Electromobilities	
		a Electric Vehicles, Hybrid Vehicles
		b Others (Aircraft, Ships, etc.)
	06 Electrification of Industrial Heat	
		a Resistance Heating, Infrared Heating
		b Induction Heating
		c Electoromagnetic Heating (Microwave Heating, Dielectric Heating)
		d Electric Discharge Heating
	07 Power Transmission and Distribution, Smart Grids	
		a Direct Current Transmission and Distribution（HVDC, etc.）
		b Smart Grids
	08 Demand-Supply Flexibility of Power Systems	
		a VPP, Negawatt, Resource Aggregation
gxC Batteries, Energy Storage		
	01 Secondary Batteries	
		a Secondary Batteries
		b Module-Related Technology for Secondary Batteries
	02 Mechanical Energy Storage	
		a Pumped Storage Power Generation, Flywheels, Compressed Air Energy Storage
	03 Thermal Energy Storage	
		a Thermal Storage Devices, Thermal Storage Materials (Including Carnot Batteries)
	04 Electric Double Layer Capacitors, Hybrid Capacitors	
		a Electric Double Layer Capacitors, Hybrid Capacitors
gxD CO_2 Reduction in Non-Energy Sector		
	01 Chemical Production from Biomass	
		a Biomass Plastic
		b Cellulose Nanofibers
		c Production of Chemicals from Biomass
	02 Reduction of CO_2 Emission in Steelmaking Process	

		a	Hydrogen Reduction Steelmaking
		b	Direct Reduced Iron (DRI)
		c	Highly Reactive Coke
		d	Electrolytic Reduction Method
	03	Recycling	
		a	Plastic Recycling
		b	Iron Recycling
		c	Aluminum Recycling
		d	Copper Recycling
gxE	Capture, Storage, Utilization and Removal of Greenhouse Gas		
	01	CCS, CCUS, Negative Emission	
		a	CO2 Separation by Absorption
		b	CO2 Separation by Adsorption
		c	CO2 Separation by Membranes
		d	DAC（Direct Air Capture）
		e	Oxyfuel Combustion, Chemical Looping
		f	Underground Storage of CO2, Effective Use of Underground CO2 Injection
		g	CO2 Fixation as Carbonates (Concrete, etc. and Blast Furnace Slag)
		h	CO2 Absorption and Fixation by Organisms (Forest, Agricultural Soil Carbon, Urban Greening, Marine Biological Systems)
		i	CO2 Conversion into Hydrocarbons and Derivatives by Reduction (Methanation, Electrosynthesis, Carboxylation, Artificial Photosynthesis, etc.)
		j	CO2 Conversion by Non-Reductive Methods
		k	CO2 Transportation
	02	Measures Against Non-CO2 Greenhouse Gases	
		a	Recovery, Decomposition and Detoxification of Chlorofluorocarbon Gas
		b	Green Refrigerants (Low GWP Refrigerant)
		c	Reduction of Non-CO2 Greenhouse Gases from Livestock and Agricultural Land

gxY	Cross-Tabulation (×Control, ×Measuring, ×Business, ×ICT)		
	01	Control-Related Technology	
		a	gxA×gxY01
		b	gxB×gxY01
		c	gxC×gxY01
		d	gxD×gxY01
		e	gxE×gxY01
	02	Measuring-Related Technology	
		a	gxA×gxY02
		b	gxB×gxY02
		c	gxC×gxY02
		d	gxD×gxY02
		e	gxE×gxY02
	03	Business-Related Technology (Including Authentication and Payment)	
		a	gxA×gxY03
		b	gxB×gxY03
		c	gxC×gxY03
		d	gxD×gxY03
		e	gxE×gxY03
	04	ICT-Related Technology (Excluding Business-Related Technology)	
		a	gxA×gxY04
		b	gxB×gxY04
		c	gxC×gxY04
		d	gxD×gxY04
		e	gxE×gxY04