

Specific Action Plan

■ Kyuden Group considers the decade up to 2030 to be particularly important to achieve the goal set for 2050. It has developed a concrete action plan which is centered on “decarbonizing/lowering the carbon intensity of electricity sources” and “promoting electrification.”

● Specific Action Plan up to 2030

Decarbonizing / lowering the carbon intensity of electricity sources	Positioning renewable energy as a main power source	[Solar power]	Promotion of development, and more effective use of existing resources, such as purchasing power from post-FIT power sources	2030 KPI Positioning renewable energy as a main power source Amount of renewable energy to be developed 5,000 MW (domestic and international) Lowering the carbon intensity of thermal power Achieve the benchmark index for the Energy Conservation Act Establish technology towards co-firing of hydrogen 1% / ammonia 20% Contribution to electrification of Kyushu [Household sector] Incremental electricity 1,500 GWh (2021-2030 total) [commercial sector] Incremental electricity 1,600 GWh (2021-2030 total) [Transportation sector] Conversion company cars to 100% EV* *Excluding special-purpose vehicles
		[battery-pumped storage]	Establishment of integrated control technologies for distributed energy resources/development of aggregation business	
		[Wind power]	Promotion of development mainly offshore wind power generation at promising sites	
		[Hydroelectric power]	Updating of existing power stations and promotion of new development using FIT and FIP systems	
		[Geothermal power]	Promotion of new development based on geothermal power resource surveys both in and outside Kyushu	
		[Biomass]	Promotion of development and sustainable resource cycle of woody biomass	
	Active development of overseas operations	Initiatives for renewable energy, low-carbon thermal power generation, transmission and distribution projects, etc., tailored to the needs of each region		
	Maximum use of nuclear power	Continuation of safe and stable operation for maximum utilization Perform full-scale reviews at an early stage to enhance the capacity factor		
	Lowering the carbon intensity of thermal power	Phase-out of inefficient coal-fired thermal power Review/establish technology for co-firing of 1% hydrogen and 20% ammonia (Hydrogen co-firing with LNG combined thermal power, ammonia/biomass co-firing with coal-fired thermal power, etc.)		
		Review the possibility of collaboration towards building a supply chain for carbon-free fuel (hydrogen/ammonia)		
Upgrading of the transmission and distribution network	Expand interconnection of renewable energy, etc., through new system connections/enhance network utilization rate			
Promotion of electrification	Contribution to electrification of Kyushu	[Household sector]	Widespread use of all-electric housing through enhanced cooperation with housing-related businesses	
		[commercial sector]	Enhancement of individual proposals (propose economic efficiency, environmental-friendliness, and operability by estimating equipment expenses and utility costs)	
		[Industrial sector]	Technical research on heat source conversion equipment such as heat pumps, and proposing electrification across wide-ranging temperature zones in the production process	
		[Transportation sector]	Conversion of 100% of company cars to EV, and review a new business model using EV	
	Promotion of carbon neutrality in the region	Contribution to resolving regional/social issues by providing Kyuden Group's solutions towards the collaborative needs of municipalities, etc., for promoting carbon neutrality in the region and enhancing resilience		
	CO ₂ absorption through adequate forest management, creation/utilization of J-credit through the use of forest resources			