



Last Edited	2023.01
Managed by	Sustainability Management Team

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## Kia Environmental Management Policy

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※ This policy is based on ISO 140001 (Environmental Management System) 5.2 Environmental Policy

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# 1. Preamble

## A. Enactment of Purpose

Kia enacts this environmental policy to continuously improve environmental performance through eco-friendly management and to minimize negative environmental impacts throughout its business activities and value chain.

### **Kia's environmental management guidelines**

1. It shall recognize the environment as key to corporate success, creates corporate values through proactive eco-friendly management, and fulfills its corporate social responsibility.
2. It shall set out implementable targets to respond to climate change and evaluate their implementation performance.
3. It shall make efforts to use resources and energy sustainably and reduce pollutants throughout the life cycle of the development, production, sale, and discarding.
4. It shall actively support suppliers' environmental management activities and establish and implement criteria necessary for an eco-friendly supply chain policy.
5. It shall comply with domestic and international environmental laws and conventions and establish and implement necessary policies to promote environmental management.
6. It shall protect bio-diversity and draft a policy to preserve the natural environment.
7. It shall disclose its environmental management performance to corporate members and stakeholders per reasonable and objective criteria.

## B. Scope

This environmental management policy applies to Kia, its affiliates and their worldwide business units. Kia recommends that its supply chain, including all suppliers and contract partners, adhere to this environmental management policy and provides the necessary support. Kia complies with each country's relevant environmental laws and regulations before this policy. It references this policy when local authorities' environmental laws and regulations do not cover or do not have special provisions regarding environmental management.

### ① The supply chain

Kia supports the establishment of an environmental management system by regularly assessing the sustainability of a high-risk supply chain or the supply chain that has a significant impact on each other. Furthermore, it buys more products (raw and subsidiary materials) and services certified for eco friendliness. It builds a cooperative ecosystem to develop and produce an eco-friendly supply chain and products.

Kia shall increase the purchase of eco-friendly products, including eco-label products that reduce environmental impacts, low-carbon products certified for reducing GHG emissions, and Good Recycled (GR) products that secure excellent quality. It also seeks to discover and manage suppliers with a certificate for eco-friendly expertise, such as green technology and products. In particular, it will perform the following roles to procure eco-friendly raw and subsidiary materials from the lifecycle perspective.

- a. Check if Kia's environmental requirements are reflected in raw and subsidiary materials' design and development phases
- b. Check if risk factors such as environment pollution are under control in producing raw and subsidiary materials.

## ② Production and Business sites

Kia's production and business sites shall establish an environmental management system based on internationally recognized standards or national guidelines, and at the same time, they shall introduce internal policies to reduce environmental impacts and pollution and engage in continuous performance-enhancing activities. In addition, they shall achieve a third party's EMS certification for primary production and sales sites whose environmental impacts are significant.

## ③ Distribution Network

Kia shall reduce environmental impacts, stemming from logistics and transportation processes such as raw materials, in-process materials, and finished products. It shall boost energy efficiency, expand eco-friendly logistics and transportation networks continuously and plan internal and external cooperative activities to cut GHG, waste, wastewater, and other pollutants generated from logistics and transportation processes.

## ④ Products and services

Kia shall improve environmental impacts based on lifecycle assessment results of environment impacts from the input of raw materials, to production/distribution of products, to recovery/recycling of used products. Furthermore, it shall work to develop eco-friendly products and services to transition to a low carbon/renewable energy society.

## ⑤ Sales and Marketing

Kia reflects eco-friendly factors in the product brand strategy, and promotes sales and marketing activities linked to the brand strategy. In order to strengthen the eco-friendly product brand, we conduct stakeholder opinions gathering activities, and disclose and disseminate the results of eco-friendly products and services. In addition, sales branches and service centers strive to minimize environmental pollution while complying with



environmental laws.

### ⑥ Recovery and Recycling

Kia shall design and develop products in consideration of the circular use of waste products. Based on the producer's responsibility, we expand and promote the recovery and recycling of waste products, and at the same time expand the resource reuse and recycling rate through collaboration with waste product processing companies. In addition, we spread economic value through recycling, such as collecting/processing waste generated in the local community and applying it to products.

### ⑦ M&A

Kia shall run a process to conduct environmental due diligence in the case of M&A. Based on environmental data, it will review compliance risks regarding M&A target organization's environmental and potential adverse environmental impacts. Then, it will develop countermeasures to address compliance risks, and the review results of environmental impacts will be factored into the valuation of the target organization. As such, it shall engage in activities to mitigate the environmental impacts.

### ⑧ Others (New business and project investment)

Kia shall outline procedures to identify and improve environmental impacts and risks when it operates a new business or a project or makes an internal or external investment outside the scope above.

## C. Implementation plan

Kia's environmental management shall

1. Comply with environment-related laws and regulations
2. Declare policies to implement the environmental management
3. Establish an Environmental Management System and introduce management guidelines
4. Monitor environmental performance
5. Discover risks and implement measures to address them
6. Engage in continuous improvement for better environmental performance

The organization in charge of environment management shall capture new or revised regulations and changes in social and corporate environment to refine corresponding implementation measures.

Compliance of laws and regulations	Declaration of environmental management	Establishment of an Environmental Management	Environmental performance monitoring	Identifying risks and implementing countermeasures	Continuous improvement of environmental
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## 2. Basic principles

Kia is committed to natural capital conservation, carbon neutrality & energy transition, developing clean tech products & services, activating circularity, and operational eco-efficiency. Kia defines the following basic principles for each environmental element to facilitate environmental management.

### A. Raw and subsidiary materials

Kia shall develop a policy to minimize unnecessary waste of natural resources by efficiently using raw and subsidiary materials used to produce products and services. In addition, it shall monitor whether raw and subsidiary materials are produced by illegally damaging natural resources or causing environmental pollution.

#### ① Efficient use of raw and subsidiary materials

Kia shall continuously improve the production process for products and services to optimize raw and subsidiary materials input. And it shall control raw and subsidiary materials according to the production plan, comprehensively considering business strategy, production schedule, and inventory management.

#### ② Re-use of production waste

Kia shall re-use metal waste, such as iron and aluminum, the byproduct of raw and subsidiary materials, and other debris, such as scrap timber and scrap paper and their byproducts, into the production process or transfer and sell to other industries or external facilities.

#### ③ Inspection of raw and subsidiary materials production site

Kia shall encourage the use of raw and subsidiary materials produced in an eco-friendly way or certified for eco-friendliness. Furthermore, it shall track down the production of raw and subsidiary materials that damages the natural capital and try to reduce a significant risk.

#### ④ Biodiversity protection

Kia shall establish and implement principles for biodiversity protection throughout the procurement/procurement of raw materials and business.

#### **Biodiversity protection principle**

Kia shall prepare actionable measures to protect biodiversity throughout its business operations, such as the purchase/procurement of raw materials, the operation of business sites, the distribution/sale of products, and the collection/recycling of waste products, etc. Kia can consider various measures including the

following activities for biodiversity protection, and establish a specific implementation procedure by setting achievable goals.

① [No Net Loss]

Kia shall complete a value chain structure that operates a business without jeopardizing or losing biodiversity in the mid-to-long term.

② [Not Operate]

Kia shall not install and operate business facilities and devices in biodiversity-protected areas in the mid-to-long term.

③ [Positive Impact]

Kia shall expand and promote investments and activities for biodiversity conservation-restoration-expansion.

## ⑤ Prevention of deforestation

Kia shall recognize the problems of deforestation that may occur throughout the project, including the purchase/procurement of raw and subsidiary materials, and shall prepare and implement a deforestation prevention principle that can minimize the negative impact in the project process.

### Deforestation prevention principle

Kia shall do its best to prevent deforestation throughout its business operations, such as the purchase/procurement of raw materials, its business sites, the distribution/sale of products, and the collection/recycling of waste products, etc. To this end, Kia shall contribute to preventing deforestation in the community, forest conservation, and improvement of forest carbon absorption through carbon offset programs including REDD+ (Reducing Emission from Deforestation and Forest Degradation Plus Conservation) activities as well as maintaining/protecting the green area inside the business site and surrounding areas.

① [Future Reforestation]

Kia shall actively promote afforestation and reforestation activities to help the natural ecosystem flourish.

② [End All Deforestation]

Kia shall complete a value chain structure that operates a business without deforestation in the mid-to-long term.

③ [Carbon Offset]

Kia shall completely offset the remaining greenhouse gas emissions through carbon offsetting activities.

## B. Energy

Kia shall lead energy transition across an entire value chain, including establishing a production system based on eco-friendly energy, investing in renewable energy generation facilities, expanding eco-friendly products, and utilizing hydrogen. Furthermore, it will deploy energy-saving activities daily, such as discovering and implementing energy efficiency tasks and staging energy-saving campaigns. Each affiliate Kia shall develop and enforce energy management policies to save energy and use renewable energy more.

### ① Energy conservation

It shall run activities for energy conservation, such as replacing outdated low energy-efficient facilities, using high efficient energy facilities, developing and implementing eco-friendly technologies for minimum energy consumption, and launching energy campaigns.

### ② Introduction of renewable energy

It shall draft measures to develop and expand eco-friendly energy technologies, including clean hydrogen, considering appropriate renewable energy solutions suitable for the conditions of a business site, such as installing facilities to generate renewable energy, buying a renewable energy certificate, and signing a power supply contract with power producers.

### ③ Operation of an Energy Management System

It shall establish a system to monitor energy and GHG and review a measure to boost energy management efficiency based on the data analysis in the system.

## C. Water

Kia shall recognize the need for sustainable conservation of water resources and seek ways to reduce water consumption and recycle water. It shall actively consider water storage facilities to expand the capacity to contain water, centering around water-scarce areas. In addition, it promotes internal and external activities to identify and improve water depletion risks in water supply areas other than industrial water.

### ① Water recycling

It shall minimize wastewater generation through recycling and water purification facilities for wastewater and continue the 3Rs (Reduce, Reuse, Recycle) for the sustainability of water resources.

### ② Water storage

It shall install and operate rainwater catchment and drainage to store and manage rainwater and to store water in a reservoir on a business site.

### ③ Inspection of potable water

It shall regularly monitor to see if there is a business site in areas of water shortage and depletion and implement measures to protect areas with water shortage and depletion, which may significantly impact the operation of a business site.

## D. GHG

Kia shall actively respond to climate change and to achieve the Net Zero goal, prepare practical greenhouse gas reduction measures, promote the transition to the renewable energy system in stages, and consider the current status of the business to achieve the carbon-neutral goal. It shall establish and implement policies for greenhouse gas management and carbon neutrality, including carbon absorption/offset activities.

### ① Reduction of business sites

It shall achieve carbon neutrality by utilizing a transition to renewable energy, higher energy efficiency, and clean hydrogen energy. In addition, it shall build a production platform for carbon neutrality by advancing manufacturing technologies and innovating platforms, including an eco-friendly smart factory.

### ② The supply chain reduction

It shall develop guidelines for carbon neutrality of the supply chain, induce practices of carbon neutrality, and work on reduction, taking into account the characteristics of the supply chain.

### ③ Reduction of products and services

It shall develop a platform and a technology dedicated to eco-friendly products, expand infrastructure for eco-friendly products, and spread eco-friendly products and services. Through this, products and services will produce fewer emissions and GHG.

## E. Waste

Kia shall develop and implement policies for waste management and recycling to reduce waste generated out of business operations and efficiently dispose of waste.

### ① Tracking waste disposal

It shall follow procedures defined under the relevant laws and regulations to track the proper disposal of waste generated from business sites.

### ② Improving waste recycling

It shall determine the optimal treatment method according to the type and amount of waste generated throughout business operation. Through this, the ratio of waste to be landfilled/incinerated is minimized, and the recycling rate of waste is improved.

### ③ Waste recycling

It shall create an upcycling ecosystem that creates value by discovering wastes with a high rate of landfill/incineration during production process and by reinventing them into new products and services.

## F. Waste product

Kia shall improve recyclability by considering recyclability from the design stage of a product, and operates waste product recovery and recycling services in cooperation with waste product disposal companies. In addition, it shall provide information on the waste product recovery system to induce customers to properly dispose of waste products.

### ① Provision of waste product recovery information

It shall provide enough information to enable customers to dispose of waste products legally and reasonably, and operate systems and procedures that support waste products in an environmentally friendly way.

### ② Collection of waste products

It shall cooperate with waste product treatment companies to expand waste product recovery and recycling, and continue to improve resource reuse and recycling rates after collecting waste products.

### ③ Recycling of waste products

Recycled materials recovered from waste products are applied to products. To this end, it shall promote the localization of recycled materials and the development of parts centering on major production/sales bases.

## G. Pollutants

Kia shall reduce emissions of air pollutants and water pollutants, minimize negative impacts on the natural environment, and do its best to protect the health and safety of customers and employees. Hyundai Motor Group shall establish and apply criteria to manage the generation and emission of pollutants based on the respective nation's environmental laws and regulations.

### ① Air pollutants

It shall monitor the emission level of air pollutants such as NOx, SOx, and TSP, invest in pollution mitigation facilities, and introduce new technologies to control air pollutants below the legal limit.

### ② Water pollutants

It shall monitor the emission level of water pollutants produced from each process, including SS, TOC, and BOD, and install and operate necessary facilities to control the level below the legal limit.

### ③ Soil pollutants

It shall monitor soil contamination caused by soil pollutants, such as cadmium, fluorine, and TPH, and implement necessary measures such as periodic inspection and facility and process improvement to prevent soil contamination.

## H. Resource Efficiency

Kia strives to comply with relevant laws and regulations and establish an operating system for resource circulation in order to achieve a system of circular economy and improve resource efficiency. We design products by applying methods and technologies that consider the efficient use of resources such as raw materials and water and minimize unnecessary waste of resources by applying production processes that optimize resource input.

## I. Hazardous Materials

Kia shall identify the status of (harmful) chemicals used during the business process or contained in the product and provide the necessary information to stakeholders. Also, it shall establish and implement policies for hazardous materials management, including reducing the use of hazardous materials and managing the risk.

## J. The local community

Kia shall recognize that the company and its employees are local community members and develop measures to manage the environmental issues reasonably considering their impacts on the local community. Kia shall prepare procedures necessary to disclose its environmental information to the local community, reflect opinions from the local community, and continuously engage in communication with the stakeholders.

## 3. Implementation system

### A. Governance

#### ① Responsibilities (Role of the Board and Chief Executives)

Kia oversees the management of environmental management risks and performance improvement activities through a Sustainability Committee within the Board of Directors and a Management Council that includes chief executives. The Sustainability Committee

of the Board of Directors reviews and deliberates on the enactment and revision of environmental management policies, responses to laws and regulations in the environment sector, and performance of environmental management. The main role of the Management Council, joined by chief executives, is to review environmental management risks and discuss counter measures and other matters that are deemed necessary for the spread and propagation of environmental management.

## **② The role of a dedicated organization**

Kia shall form an organization dedicated to implementing environmental management and have it handle the tasks. The primary role of the organization is to draft and enforce policies for the establishment and operation of an Environmental Management System, protection and restoration of ecological capital, and the management and execution of policies to manage pollutant emissions generated from business operations, identification and reduction of environmental risks, the spread of environmental management, receipt and handling of environmental grievances and other external cooperation activities. Furthermore, the organization shall expand eco-friendly products and services by cooperating with engineering, R&D, purchasing, production, and sales functions.

## **B. Training and dissemination**

### **① Environmental training**

Kia shall conduct environmental training for employees, executives, and other stakeholders to raise their awareness of the need for environmental management. In addition, the training aims to induce participants to attain an eco-friendly way of thinking.

### **② External cooperation**

Kia shall build a cooperative system with specialized external organizations to enforce environmental management efficiently and make environmental management performance more efficient. It will strengthen its EMS built on external partners' expertise and experiences in establishing an EMS.

## **C. Communication**

### **① Government agencies**

It shall share its environmental management performance with the government agencies and confirm the government's policy direction to respond preemptively. In addition, it shall adequately understand and comply with the respective nation's environmental laws and regulations.

### **② Shareholders and investors**

It shall generate environmental management performance meeting the requirements of the shareholders and investors, building trust among them, and increasing the investment



for a higher corporate value.

### ③ The supply chain

It shall share its know-how and experiences in implementing environmental management with the supply chain and run a communication channel to consult with the supply chain to create environmental values.

### ④ Customer

It shall provide environmental information about products and services to customers, capture their opinions gathered through a customer contact channel, and reflect them in the development process for eco-friendly products and services.

### ⑤ The local community

It shall gather views from the local community and public-private consultative council to alleviate environmental impacts of business operations to identify and resolve grievances raised from the local community.

### ⑥ Employees and executives

It shall share an environmental management policy with employees and executives and raise their awareness of environmental management. When implementing environmental management, their views to improve environmental performance shall be considered.

## D. Performance management

### ① Setting performance targets

Kia shall set up mid-to-long-term performance targets for environmental factors that impact business operations severely. These targets shall be determined by taking into account emissions and usage data outlook (Business As Usual) and external economic conditions, the government's policy direction, and internal business strategies.

#### Kia RE100 and detailed action plan

Kia plans to achieve RE100 by 2040 for the transition to sustainable energy. RE100 is our goal to replace all the power used by the company with 100 percent renewable energy, so the overseas region will convert 100 percent of Kia's power to renewable energy by 2030 and the domestic region by 2040. In order to accelerate the conversion of renewable energy at Kia production bases in Korea, China, the United States, India and Mexico where our electricity use is concentrated, we will push for the construction of solar power generation systems and PPA contracts.

#### Kia Carbon Neutrality Goals

Kia announced its vision to set a carbon neutral goal in 2045 as a key task to realize its corporate vision, 『Sustainable Mobility Solutions Provider』, and to overcome the climate crisis and

contribute to the development of global society. In order to achieve carbon neutrality, Kia aims to reduce and offset carbon emissions with achieving ▲ Sustainable mobility ▲ Sustainable planet ▲ Sustainable energy, and the main plans for each value chain are as follows.

1. Supply -Reduce carbon in materials and achieve supply chain carbon neutrality
2. Production -Solar installation, achieve RE100 at domestic and foreign sites, and electrification of business vehicles
3. Logistics -Transition to Eco-friendly marine and land transportation
4. Use -Global Electrification
5. Disposal -Establishment of Resource Circulation System5. Offset -Absorption and offset activities through restoration of marine ecosystems such as tidal flats in Korea

## ② Examining the implementation status

Kia shall check the implementation status of mid-to-long-term performance enhancement targets regularly. It shall comprehensively check the progress rate against the target, efficiency of activities implemented to achieve the targets, and challenges in the target achievement process. If necessary, mid-to-long-term targets will be adjusted based on the check results.

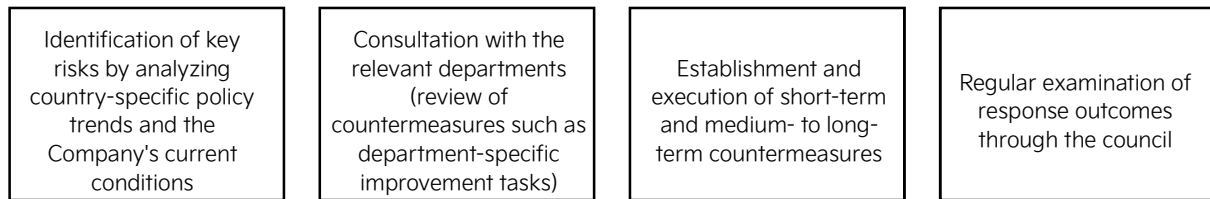
## ③ Performance Assessment of the senior management

The senior management's performance evaluation indicators (KPIs) shall include the mid-to-long-term environmental performance improvement goals and implementation status. In addition to environmental performance improvement, the performance evaluation for the senior management shall comprehensively consider significant ESG evaluation results at home and abroad and internal ESG improvement tasks.

## E. Risk Management

### ① Risk Management Process

Kia manages the risks that may arise from climate change and other environmental issues. Risk management is operated in the following process: 1) Identifying major risks, 2) Consulting with relevant departments on countermeasures, 3) Establishing and implementing short-term and medium-to long-term countermeasures, and 4) Examining the results of regular responses. The risk assessment includes the entire value chain, from Kia's business sites to upstream to downstream to customers' use of our products. Key risks and opportunities will be identified and evaluated through the Carbon Neutral Council, a company-wide consultative body on current affairs. The decisions will be reflected in departmental KPIs and strategic tasks during the consultation phase of response with relevant departments and integrated into the Company's risk management system.



## ② Risk Type

Kia's risk assessment may include current and emerging regulation, technological, legal, market, reputational, acute physical, and chronic physical risks. This allows us to analyze and manage business transition risks and reputation risks in case of our failure to meet the expectations of stakeholders.

## ③ Scenario Analysis

Kia identifies the risks that climate change poses to corporate activities in the short-, medium-, and long-term under the 2-degree scenario. This will inform our setting of medium- and long-term greenhouse gas reduction targets, including the time frame and level of reduction.

## 4. Supplementary provision

- ① This environmental management policy shall be enacted as of 2023. 01. 02.
- ② This environmental management policy is written in Korean and English, and if there is any discrepancy between the Korean and English versions, the Korean version shall prevail.