



Climate Change and Energy Management Policy

Winbond is committed to the development of green semiconductor technology and the fulfillment of green manufacturing responsibilities. It assesses its own operations and supply chain's dependence on and impact on energy, aiming to maximize energy efficiency throughout the product lifecycle and establish a green manufacturing and supply chain management model for climate transition. This aligns with fulfilling social responsibilities and ensuring sustainable operation. To actively practice Winbond's low-carbon commitment and respond to the Paris Agreement's goal of limiting global warming to 1.5°C, Winbond announced its goal to achieve Net Zero Emissions by 2050, followed by the goal to use 100% renewable energy.

Strategies and Policies

1. Policy Governance Philosophy

- The board of directors acts as the highest-level governance unit, with the chairman signing the policy. Management is responsible for implementing and ensuring compliance with relevant regulations and company requirements, guiding goal achievement, evaluating performances, and driving progress in reducing energy consumption and climate change issues.
- The applicable boundary covers all operational sites and value chain activities and personnel, including employees, contractors, suppliers/contractors, value chain business partners, and related external stakeholders.

2. Low-Carbon Products and Services

- Increase investment in innovative technologies and R&D projects to find new solutions to reduce energy consumption and collaborate with upstream raw material and equipment suppliers and downstream packaging and testing industries to produce more energy-efficient low-carbon products for customers, expanding various smart applications in electronic information products.
- Evaluate the dependence, impact, risk, and opportunities of its own operations and supply chain on climate change, considering the interaction between different environmental factors and environmental trade-offs.

3. Climate Change Mitigation and Adaptation

- Implement the energy management system, use renewable energy, continuously improve energy performance, actions to reduce the amount of energy use, comply with energy-related regulations, operate carbon management within the Sustainable Development Committee, monitor and plan carbon reduction progress, and regularly report carbon reduction measures to the board of directors.
- Identifying climate risks, protecting operations to reduce the hazards caused by climate change and extreme weather, establishing drought, power shortage, flood, and storm response guidelines, strengthening climate resilience according to the local environment at operation sites and value chains, and implementing defense and response measures to minimize risks.

4. Energy Management

- Identify energy hotspots in the manufacturing stage, continuously seeking opportunities to save electricity and improve energy use efficiency.
- Set energy-saving quantified targets and implement action plans by introducing energy-saving technologies, prioritizing the procurement of energy-efficient products, optimizing production processes, and improving the energy efficiency of facilities. Continuously reduce the electricity consumption per unit product. Regularly review the progress of energy-saving actions and make adjustments and improvements based on the evaluation results to ensure that each action can be carried out as planned and achieve the expected results.

5. Promotion of Renewable Energy

- Plan diversified energy use, invest in and install in-house renewable energy, set medium and long-term renewable energy usage targets, and take practical actions to support clean green energy transition, aiming to achieve 100% renewable energy adoption by 2050.

6. Sustainable Culture

- Establish a culture of environmental accountability among all employees by providing environmental education and energy efficiency training to management, employees, suppliers/contractors, expanding value chain cooperation, and assisting partners in establishing environmental management capabilities. Enhance the awareness and responsibility of internal and external stakeholders towards environmental sustainability, exert social influence, and create a sustainable environment.



Arthur Yu-Cheng Chiao
Chairman
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