

Under Environmental Vision 2023, our three-year plan that started in fiscal 2022, we set our target for total greenhouse gas emissions in fiscal 2024 at 1.2 million tons or less, corresponding to a 9% reduction from the base year of fiscal 2017, to conform to the target value required for Science Based Targets (SBT) certification. We also set forth the target of reducing the amount of emissions per unit of sales by 6% or more compared to the base year of fiscal 2020. Furthermore, we set a target of adopting CO2-free renewable energy worth 2% of our electricity consumption during production (approx. 20,000 MWh/year).

Additionally, to ensure the achievement of Environmental Sustainability Vision 2050 and the SBT targets, we issued “Energy-Saving Guidelines” for buildings and production facilities.

- **Building Energy-Saving Guidelines**

These guidelines mainly require that consideration be given to the heat insulation performance of buildings when constructing new factories, and to the introduction of a certain amount of renewable energy.

- **Production Facility Energy-Saving Guidelines**

These guidelines cover energy-saving technologies in general and require active consideration of using Mitsubishi Electric products (e.g., high-efficiency electrical equipment, control devices to monitor energy savings, LED lighting, heat pumps, inverters, and regenerative electric power converters).

We will continue to promote thorough energy-saving activities through our business operations.

Reducing Resource Inputs

Targets and Achievements

The Mitsubishi Electric Group is reducing resource inputs by reducing the size and weight of its products. Our aim under the 9th Environmental Plan (fiscal 2019–2021) was to reduce resource inputs for 64 product groups by an average of 40% compared to fiscal 2001, and this reduction target was built into our product development plans. Individual products that are not continuously manufactured and products built to customer specifications are outside the scope of resource input reduction.

The average reduction rate of resource inputs was 43% in fiscal 2021, so we have achieved the target.

From Environmental Plan 2023 onward, we will work to reduce the size and weight of our products, as well as to promote the introduction of recycled plastics in order to reduce resource inputs. We set a target to increase the ratio of recycled plastics to total purchases of resin materials to 10% by fiscal 2024. In particular, we will actively utilize our Group’s plastic recycling technologies.

Products Making Notable Progress in Resource Reduction in Fiscal 2021 (Compared to Fiscal 2020)

- TFT-LCD modules: 12% reduction
- Hot water supply systems and equipment: 6% reduction
- IH cooking heaters: 6% reduction
- Gas-insulated switchgear: 5% reduction

Average Reduction Rates of Resource Inputs for 64 Product Groups with Fiscal 2001 as Base Year (Mitsubishi Electric Group)

