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No. 3431

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Mitsubishi Electric Fulfills Major Targets of Environmental Vision 2021

Long-term environmental plan brought to conclusion in 2021, company's 100th anniversary

TOKYO, August 31, 2021 – [Mitsubishi Electric Corporation](#) (TOKYO: 6503) announced today that it has fulfilled the major targets of its just-completed Environmental Vision 2021 that the company introduced in 2007. By achieving the targets of this vision, Mitsubishi Electric has contributed to the realization of a more sustainable, low-carbon world that emphasizes recycling and harmony with nature. The vision's guiding principles were to contribute to people and the earth through technological and other initiatives through 2021, Mitsubishi Electric's 100th anniversary.

Mitsubishi Electric is now striving to achieve the targets of its current long-term environmental vision, Environmental Sustainability Vision 2050, under which the company aims to create new value and contribute to an increasingly sustainable world through diverse environmental initiatives, including decarbonization.

1) *Low-carbon Society: Reduced greenhouse gas (CO₂) emissions from product use and production*

Mitsubishi Electric achieved a 36% reduction from the FY2001 level in greenhouse gas (CO₂) emissions generated during use of the company's products, thereby exceeding the original 30% reduction target. This was accomplished through technological innovations and the development of highly energy-efficient products. As for CO₂ emissions from manufacturing operations, Mitsubishi Electric's investments in energy conservation at each manufacturing site led to a 56% reduction from the FY1991 level, significantly better than the original 30% target.

2) *Recycling society: Reduced plastic and metal inputs, water consumption and waste emissions*

Regarding the final waste disposal rate, the company and domestic affiliates lowered their rate to 0.02% (target: less than 0.1%) and overseas affiliates achieved a rate of 0.15% (target: less than 0.5%). By reducing the sizes and weights of its products, Mitsubishi Electric reduced its resource inputs by an average of 43% across in 64 product groups compared to the FY2001 level, which significantly surpassed the original 30% target. In addition, water consumption per unit of sales was reduced by 20% from the

FY2011 level, double the initial target of 10% (1% annually). This was achieved by continuously measuring the amount of water used and reused at domestic and overseas bases and horizontally adopting best practices to reduce consumption. Furthermore, Mitsubishi Electric upgraded its plastic recycling technology for expanded closed-loop recycling in which plastic collected from home appliances is reused in the company’s own manufactured home appliances. As a result, the company successfully raised its ratio of recycled mixed plastic to high-purity plastic in home appliance recycling from 6% in FY2011 to 80% at present.

3) ***Society in harmony with nature: Robust biodiversity initiatives at business sites***

The company also strove to continue conducting its “Mitsubishi Electric Outdoor Classrooms” and “Satoyama Woodland Preservation Project” with the goal of surpassing 51,000 total participants by the end of FY2021. Due to COVID-19, however, some locations were obliged to suspend such activities, so the final participants total came to 48,872. Biodiversity preservation measures at business sites were carried out in 24 locations in Japan, as targeted.

Targets and Results of Environmental Vision 2021¹

Sector	Main Activities		Evaluation Index		Target	Actual	Target Fulfilled
Low-carbon Society	Reduce CO ₂ emissions during production		CO ₂ emissions		30% less (520,000 tons)	56% less (1.16 million tons)	Yes
	Reduce CO ₂ emissions during product use	Reduce CO ₂ emissions during product use via energy-saving performance	Average reduction rate (vs. FY2001)		30%	36%	Yes
Recycling-oriented Society	Use resources more effectively		Final disposal rate	Domestic operations	0.1%>	0.02%	Yes
				Overseas operations	0.5%>	0.15%	Yes
	Reduce resource inputs		Average reduction rate (vs. FY2001)		30%	43%	Yes
	Use water more effectively		Water use per unit of sales reduced 1 percentage point per year (vs. FY2011)		10% or more	20%	Yes
Society in Harmony with Nature	Continue to conduct “Mitsubishi Electric Outdoor Classrooms” and “Satoyama Woodland Preservation Project”		Total participants since FY2008		51,000 people	48,872 people	No ²
	Protect biodiversity at business sites		Number of locations		All 24 districts	All 24 districts	Yes

¹ Due to changing social conditions and the business environment, some original targets/initiatives were revised or eliminated

² Due to COVID-19, some locations were obliged to suspend activities

Recognition of Achievements by External Organizations, Such as CDP

Environmental Vision 2021 provided for the formulation and implementation of a new environmental plan every three years, which involved groupwide evaluation of various in-house environmental indicators and periodic reviews of plans and measures. Information on these initiatives was disseminated externally, and as a result Mitsubishi Electric received a number of high ratings from external bodies engaged in evaluating and rating the environmental activities of companies and organizations.^{3,4}



³ Selected as “A List Company” by CDP, an NGO that investigates, evaluates and discloses corporate and urban environmental initiatives.

⁴ Accreditation under Science Based Targets (SBT) Initiative, including United Nations Global Compact (UNGC), World Wildlife Fund (WWF), CDP, and World Resources Institute (WRI)

Future Developments

Under Mitsubishi Electric’s current long-term Environmental Sustainability Vision 2050, which was introduced in June 2019 for implementation through the year 2050, the company is now pursuing three basic courses of action: “Solve environmental issues through a wide range of businesses,” “Pursue innovation for the next generation” and “Communicate and share new values and lifestyles.”

In order to realize a decarbonized world, Mitsubishi Electric is working to reduce greenhouse gas emissions throughout its entire value chain by thoroughly implementing in-house energy-conservation measures, aiming to achieve virtually zero emissions by 2050 (target updated in 2021). The company also is working to increasingly adopt renewable energy sources. Further, Mitsubishi Electric is supporting the realization of a circular economy in Japan through target-based management of waste reduction, including by visualizing waste-generation sources as well as by having the company’s waste-management systems assessed by a recycling contractor and then sharing the results internally.

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About Mitsubishi Electric Corporation

With 100 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Mitsubishi Electric enriches society with technology in the spirit of its “Changes for the Better.” The company recorded a revenue of 4,191.4 billion yen (U.S.\$ 37.8 billion*) in the fiscal year ended March 31, 2021. For more information, please visit www.MitsubishiElectric.com

*U.S. dollar amounts are translated from yen at the rate of ¥111=U.S.\$1, the approximate rate on the Tokyo Foreign Exchange Market on March 31, 2021