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## **Mitsubishi Electric Issues Environmental Report 2019**

*Confirms steady progress in first year of 9th Environmental Plan*

**TOKYO, June 28, 2019** – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that it has issued its Environmental Report 2019 documenting the results and achievements of environmental initiatives conducted by the Mitsubishi Electric in the fiscal year that ended in March 2019. The report confirmed that favorable progress was achieved in the reduction of CO<sub>2</sub> from production operations and the reduction of resource inputs, helping to beat annual targets under Mitsubishi Electric's three-year ninth Environmental Plan to fiscal 2021, a blueprint for reduced carbon, increased recycling and greater harmony with nature.

### **Major Initiatives and Results in Fiscal 2019**

#### **1) Creating low-carbon societies: Reducing greenhouse gas emissions in both production and use**

In the just-ended fiscal 2019, total CO<sub>2</sub> emissions from production (greenhouse gas other than CO<sub>2</sub> converted into CO<sub>2</sub> mass) were reduced to 1.3 million tons, beating the target of 1.43 million tons, thanks to measures such as the introduction of high-efficiency equipment and revised operations<sup>1</sup>. Energy-derived CO<sub>2</sub> emissions, which had been forecasted to rise 60,000 tons due to increased production during the year, actually rose only 30,000 tons due to the introduction of high-efficiency, energy-saving equipment and new measures to eliminate waste at production facilities. Non-CO<sub>2</sub> greenhouse gas emissions came to 180,000 tons (CO<sub>2</sub> equivalent<sup>2</sup>), greatly improving on 250,000-ton target, which was achieved by switching to refrigerants with low global-warming potential and enhancing operations.

CO<sub>2</sub> emissions from products in use in the market were reduced by 36 percent compared to the 35 percent target. Contribution volume to reducing CO<sub>2</sub> emissions from product use was 77 million tons, exceeding the 70 million-ton target. The strong reduction was accomplished by increasing energy savings achieved with power devices, air conditioners, water-heating systems, etc.

<sup>1</sup> CO<sub>2</sub> emission coefficient of 0.487 t-CO<sub>2</sub>/MWh from The Federation of Electric Power Companies of Japan in fiscal 2013

<sup>2</sup> Global warming potential of non-CO<sub>2</sub> greenhouse gas based on value used in IPCC Second Assessment Report 1995

## **2) Creating recycling societies: Reducing product sizes and weights to cut resource input and water use**

Resource input was reduced by 45 percent compared with the fiscal 2001 rate, bettering the 40 percent target, by reducing the sizes and weights of products such as gas circuit breakers, servo motors and large video systems.

Water use per unit of sales was cut by 23 percent compared to the fiscal 2011 base rate, far higher than the 8 percent target rate (calculated by adding one percentage point to the reduction rate every year from fiscal 2011). Global measures included more water recycling in production processes and the reuse of waste water that previous had been discharged.

Mitsubishi Electric and its affiliates in Japan achieved their targets for the effective use of resources in terms of final resource disposal rate, but the 0.52 percent rate for overseas affiliates fell slightly short of the 0.5 percent target despite improved performance in this category in the previous year.

## **3) Creating societies in tune with nature: Expanding biodiversity activities around sites in Japan**

To help preserve biodiversity, including rare and endemic species, the group conducts on-site biological surveys at all 24 plant sites in Japan and also carries out “Improvement of Green Quality” activities. Nature-appreciation excursions for adults and children, conducted under the Mitsubishi Electric Outdoor Classrooms and Satoyama Woodland Preservation Project initiatives, attracted some 4,000 participants as planned.

### **Future Developments**

Going forward, Mitsubishi Electric will contribute to the achievement of seven of the United Nation’s Sustainable Development Goals (SDGs), including affordable and clean energy (Goal 7) and climate action (Goal 13), among the 17 total goals that the UN aims to achieve by 2030. Mitsubishi Electric also has issued its “Environmental Sustainability Vision 2050,” a plan for environmental action up to 2050. For more on the Vision, please visit <https://www.MitsubishiElectric.com/news/2019/0613-a.html>

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### **About Mitsubishi Electric Corporation**

With nearly 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. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded a revenue of 4,519.9 billion yen (US\$ 40.7 billion\*) in the fiscal year ended March 31, 2019. For more information visit: [www.MitsubishiElectric.com](http://www.MitsubishiElectric.com)

\*At an exchange rate of 111 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2019