

Reducing Waste

In accordance with its Basic Environmental Protection Policy and Environmental Vision 2050, Fuji Electric is promoting the 3Rs (reduce, reuse, recycle) across the supply chain in order to contribute to the realization of a recycling-oriented society. Waste reduction initiatives are one facet of this undertaking.

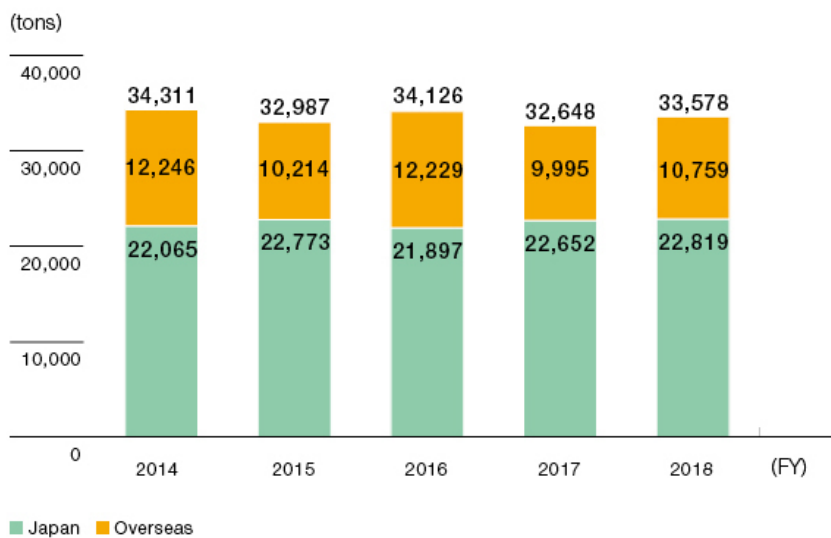
Reducing Waste

Fuji Electric strives to reduce total waste volumes, promote recycling, and decrease the amount of waste sent to landfills. To this end, we are creating increasingly compact and lightweight products, employing designs that do not include regulated substances, and working to decrease the number of defective products at the manufacturing stage through quality management initiatives. In these efforts, the Company targets zero emissions, defined as a final waste ratio (amount sent to landfills as a percentage of total waste generated) of 1% or less.

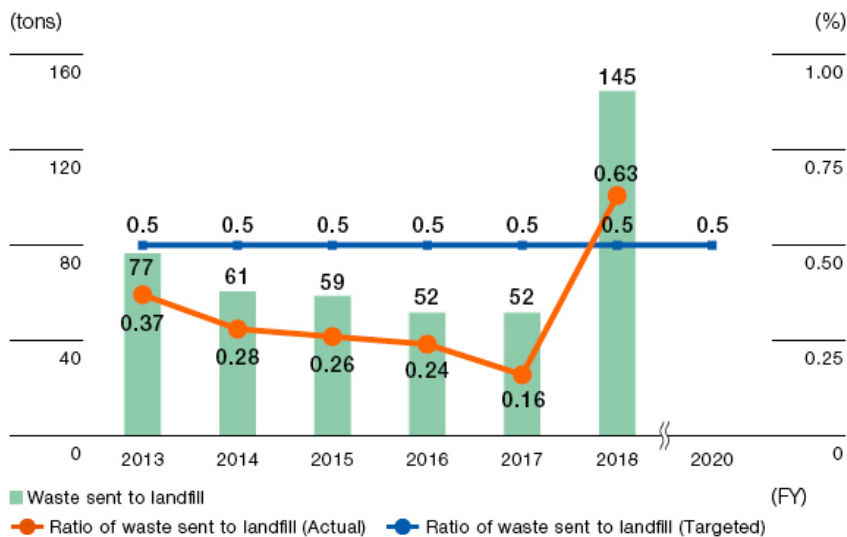
In Japan, we have achieved zero emissions continuously since fiscal 2004 through the efficient use of resources (reduce, reuse, recycle). However, our final waste ratio for fiscal 2018 was 0.63%, higher than our target of less than 0.5%. This was largely a result of import restrictions in China, which led to waste plastic being sent to landfills. We have completed implementing measures to enable this plastic to be recycled for use in cement in the future.

Overseas, the recycling of sludge at the Malaysia Factory contributed to an overall final waste ratio of 3.71%, a decrease from 7.25% in the previous fiscal year and lower than our target of 7%.

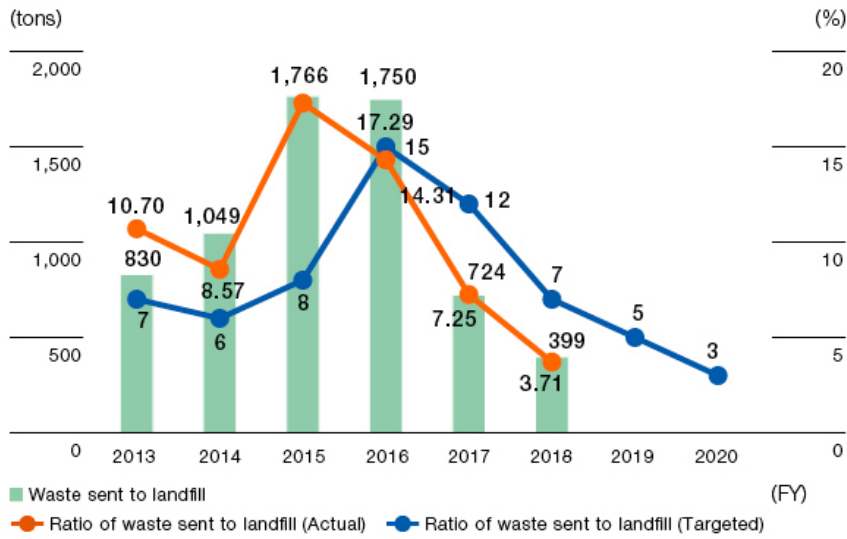
Amount of Industrial Waste



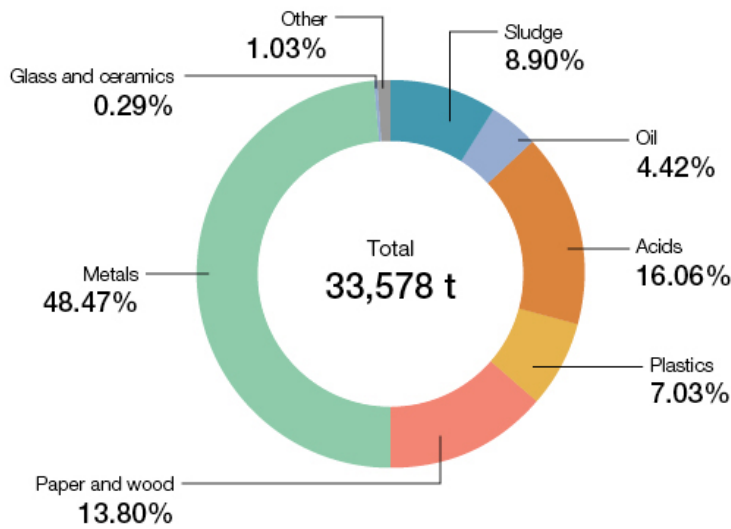
Amount and Ratio of Waste Sent to Landfill in Japan



Amount and Ratio of Waste Sent to Landfill Overseas



Composition of Waste Generated



TOPICS

At the Malaysia Factory, wastewater is discharged into rivers after extracting sludge containing metal and fluorine through treatment procedures. As recent as fiscal 2016, the Malaysia Plant was burying this sludge in a controlled landfill site. As the Malaysia Plant was searching for methods of recycling this sludge, AKBK Sustainable Resource Management Centre, a new waste recycling plant operated by a Japanese company, was established. This plant recycles sludge for use as cement, a waste treatment method that had not been used in Malaysia previously. After testing the feasibility of recycling sludge produced at the Malaysia Factory in this manner, recycling commenced when the AKBK Sustainable Resource Management Centre started operation in fiscal 2017. As a result, the amount of waste sent to landfills [at the Malaysia Plant] in fiscal 2018 was approximately 77% lower than in fiscal 2016.



AKBK Sustainable Resource Management Centre (Malaysia)