## **Resource Recycling Initiatives**

Efficient utilization of resources and energy is a key part of Mitsui & Co's environmental policy. Under our comprehensive energy and environmental strategy, we engage in resource recycling (ground resources). We are also working to provide industrial solutions to environmental problems through the effective utilization of waste products and by-products.

## Mitsui & Co.'s Business Initiatives Relating to Resource Recycling

Activity

SDGs : 12.2, 12.5

Activities		Country	Scale
Reduce/sharing economy	Promotion of the sharing economy through the smartphone flea-market app business of our investee, Mercari	Japan	Over 70 mil. downloads in Japan (100 mil. in Japan and the U.S. combined) Gross transactions: ¥500 billion (Apr. 2018-Mar. 2019)
Reuse	Effective utilization of waste by our subsidiary Mitsui Norin through the utilization of tea leaf residues as a raw material for fertilizers	Japan	Waste reduction: 920.4 t/year (FY2019)
Reuse	Production of juice from fruit pulp attached to calyces (sepals) from cut strawberries by our subsidiary Bussan Food Materials	Japan	Waste reduction: 13 t/year (FY2019)
Reuse/recycle	Effective utilization of waste by our subsidiary Prifoods, through the commercial use of poultry manure as a fertilizer, or (after carbonization) as a snow melting agent	Japan	Waste reduction: 71,000t/year (FY2019)
Reuse/recycle	Promotion of initiatives relating to battery lifecycles, including the reuse and recycling of batteries as stationary batteries for vehicles, through equity participation in the French company Forsee Power, which manufactures and sells battery systems for electrical mobility equipment	Europe	
Recycle	Recovery and sales of scrap iron, including iron recovered from demolished structures and the processing of iron and steel products, and recycling of non-metallic materials by our affili- ated company, MM & KENZAI	Japan	Metal products handled: 7 mil. t/year
	Use of dust (mainly automobile crusher dust) by our affiliated company, Kyoei Recycling Co. as feedstock for a gasification furnace, to produce gas for use as fuel at the nearby Kyoei Steel Yamaguchi Division facility, and co-generated hot slag for sale to refiners	Japan	Processing capacity: 33,000 t/year

Recycle	Recovery and sales of non-ferrous scrap (alumi- num, copper, lead, rare metals, etc.) and waste circuit boards and plastics from the demolition of buildings, and disassembled automobiles and electrical goods, etc., by our subsidiary Mitsui Bussan Metals	Japan	Non-ferrous scrap metals handled: 250,000 t/year
	Recycling of metals and electronic equipment and processing of general waste from New York City by our investee Sims Metal Management, which is one of the world's leading recyclers	N. America, Europe, Australia, New Zealand, etc.	Scrap metal, etc.: 8.7 mil. t/year

## Formation of Cyclical Systems for the Effective Utilization of Food Industry By-products

Mitsui's Food Business Unit has developed systems to support the effective utilization of by-products created through the production of processed agricultural products and fisheries products through the establishment of value chains for agricultural products and animal protein. Examples include the effective utilization of soy meal, wheat bran, and fish meal to produce livestock and fish feeds, the extraction of lecithin from soy meal for use in health foods, and the refining of fruit material attached to calyces (sepals) cut from strawberries to produce juice.

