



Contribute to Recycling Resources

Resource Saving and Waste Reduction

Examples of Initiatives

We are systematically working to reduce the amount of exhaustible raw materials used, quickly and properly dispose of PCB waste, and reduce the amount of industrial waste sent to landfills. Furthermore, we are setting targets related to recycling industrial and plastic waste and are promoting resource recycling initiatives.

Promoting Resource Saving

We are striving to enhance the economic benefits gained from resource saving activities, such as improving the throughput yield of exhaustible raw materials and product yield.

■ Exhaustible Raw Material Use (Sumitomo Chemical and Group Companies in Japan)

(Thousand tons)

	FY2020		FY2021		FY2022	
	Sumitomo Chemical and Group Companies in Japan	Sumitomo Chemical	Sumitomo Chemical and Group Companies in Japan	Sumitomo Chemical	Sumitomo Chemical and Group Companies in Japan	Sumitomo Chemical
Hydrocarbon compounds	1,704	1,449	1,713	1,429	1,684	1,421
Metals (excluding minor metals)	90.2	86.3	115	111	104	100
Minor metals	12.5	0.1	17.4	0.03	16.2	0.07

Note: Economic effects are detailed in the [supplementary data](#)

Thoroughly Managing Waste and Promoting Increased Recycling Internally and Externally

We have achieved a major reduction in industrial landfill waste by reducing the amount of industrial waste generated and promoting recycling. In addition, as a specified resource industry identified by the Act on Promotion of Effective Use of Resources, we are also working to reduce the generation of industrial byproducts (sludge). Furthermore, we are setting new targets related to recycling industrial and plastic waste from fiscal 2021 and are promoting resource recycling initiatives at each worksite and Group company.

Moving up the Schedule for the Treatment of Waste with Minute Amounts of PCBs before Legal Disposal Deadline Set by the PCB Special Measures Law

We winnowed the external operators jointly contracted to dispose of waste by Group companies in Japan down to just one. Regarding the waste with minute amounts of PCBs (transformers, condensers, etc.) being stored or used by each company, we formulated and are carrying out a plan to treat the waste over multiple years. We plan to treat all applicable equipment by March 2025.



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Direct Recycling Initiatives for Battery Cathode Materials

We are developing recycling technology that regenerates cathodes collected from used lithium-ion secondary batteries without returning it to metal. By simplifying the conventional process, CO₂ emissions are reduced and recycled cathode materials can be produced at low energy and cost. JERA Co., Inc. and we were selected for NEDO's* "Green Innovation Fund Project: Development of Next-Generation Storage Batteries and Next-Generation Motors". Both companies will promote development of the recycling technology and social implementation.

* New Energy and Industrial Technology Development Organization (NEDO)

Key Points of New Process Construction and Value Creation

