

Environment

Environmental conservation costs

(Unit: million yen)

Category	Key activity and the outcome	Furukawa Electric		Affiliated companies	
		Total cost	Year on year	Total costs	Year on year
1. Business area costs	Pollution prevention (air pollution, etc) energy conservation, waste disposal, etc.	1,191	58	383	-127
2. Upstream/downstream costs	Recovery of packaging, drums, etc.	152	-10	245	2
3. Administration costs	Environmental management system auditing, environmental impact monitoring, etc.	354	21	126	9
4. Research and development costs	Development of environmentally friendly products, research into alternatives for harmful substances	171	-107	62	-31
5. Social activity costs	Tree planting, local community cleaning activities, donations, etc.	2	-0	5	0
6. Environmental remediation costs	Environmental impact assessments, cleanup of polluted soil, etc.	1	-0	8	4
Total		1,871	-38	830	-143

Economic benefits associated with environmental conservation activities

(Unit: million yen)

Details of benefits	Total benefit	
	Furukawa Electric	Affiliated companies
Revenue from recycling	296	284
Reduction in waste disposal costs	-54	-69
Reduction in energy costs	-925	274
Reduction in water purchase costs	4	39
Total	-680	528

(note) Minus figures indicate an increase

Environmental conservation benefits

environmental impact	Unit	Furukawa Electric		Affiliated companies
		Amount of environmental burden	Reduction	Reduction
Volume of industrial waste disposal processed ^(note 1)	tons	115	237	275
Energy consumption (crude oil equivalent)	1,000KL	137	-9	3
Water onsumption	1000 tons	8,175	129	-202
Emissions of volatile orgainc chemical compounds	tons	210	-14	-12
CO ₂ emissions	1000 tons-CO ₂	229	-12	17
SO _x emissions	tons	1	13	0
NO _x emissions	tons	32	13	9
Soot emissions	tons	3	1	1

(note1) Excluding recycled wastes

(note) Minus firures indicate an increase

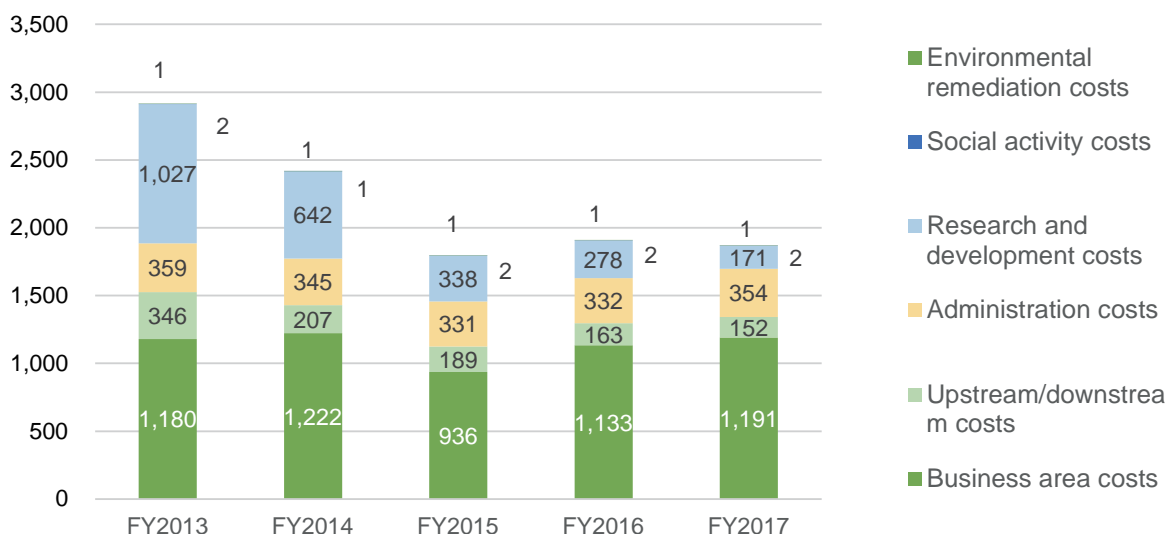
Investment and research costs

(Unit: million yen)

Investment and research costs	Total costs	
	Furukawa Electric	Affiliated companies
Environment-related investment	1,055	345
Total investment	11,919	4,873
Total research costs	8,780	2,245

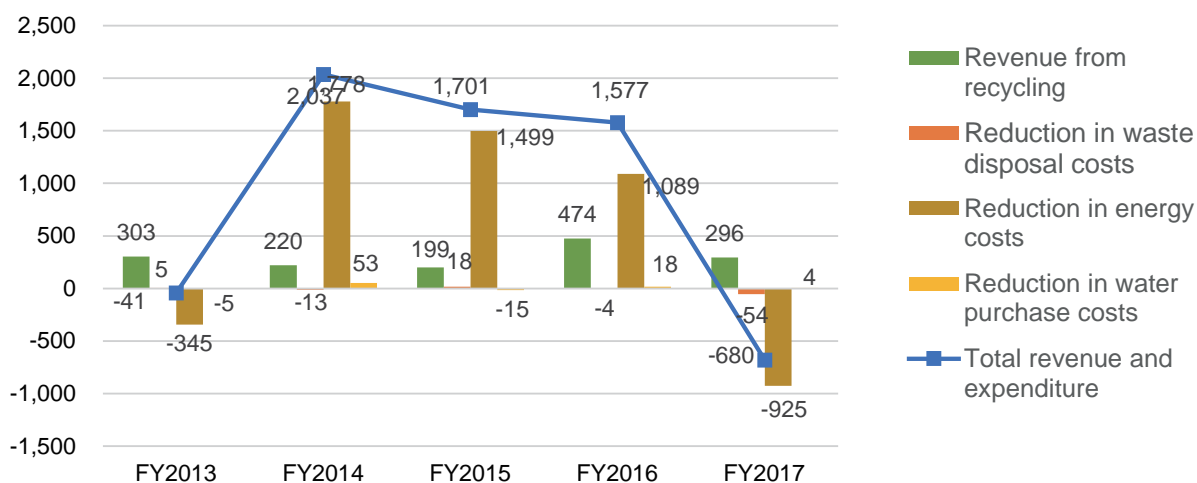
Environmental conservation costs (Furukawa Electric)

(Unit: million yen)



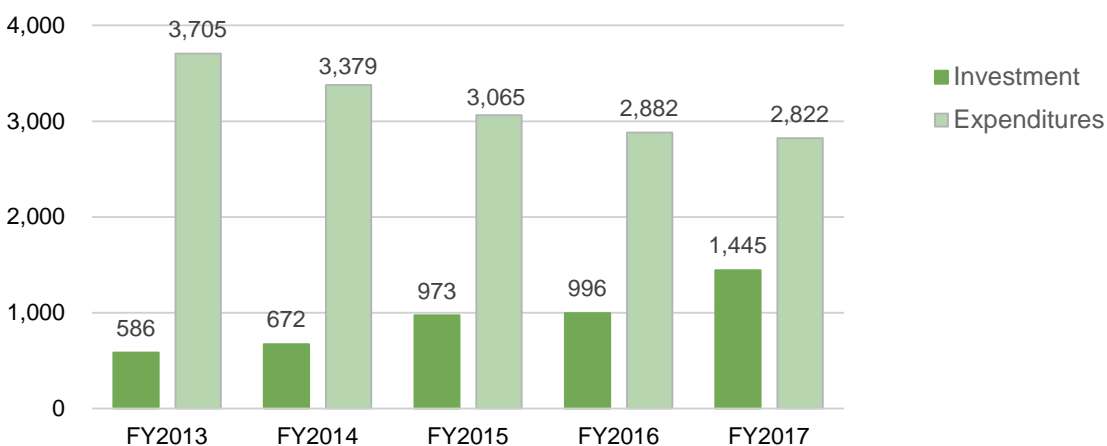
Economic benefits associated with environmental conservation activities (Furukawa Electric)

(Unit: million yen)



Environment-Related Investment and Expenditures (Furukawa Electric and Affiliated Companies)

(Unit: million yen)



List of PRTR compatible materials (Furukawa Electric and Affiliated Companies) (Unit: Tons)

Substance No.	Substance	Volume handled	Volume released	Volume transferred	Volume contained in products/ disappeared by combustion
1	Zinc and its compounds	4.5	0.0	0.5	4.1
31	Antimony and its compounds	396.5	5.9	51.5	339.1
53	Ethylbenzene	102.4	0.7	5.0	96.7
71	Ferric chlorides	53.8	0.3	15.8	37.8
75	Cadmium and its compounds	93.8	0.0	1.6	92.2
80	Xylene	130.8	3.0	5.4	122.5
82	Silver and its water-soluble compounds	5.0	0.0	1.1	3.8
86	Cresol	446.8	8.1	18.3	420.5
87	Chromium and trivalent chromium compounds	12.6	0.0	0.0	12.5
88	Hexavalent chromium compounds	5.4	0.0	4.2	1.2
132	Cobalt and its compounds	4.4	0.0	0.1	4.4
144	Inorganic cyanide compounds (Excluding complex salt and cyanate)	7.2	0.1	6.3	0.8
213	N,N-dimethylacetamide	754.0	19.4	22.6	712.0
232	N,N-dimethylformamide	0.6	0.0	0.0	0.5
255	Decabromodiphenyl ether	290.2	0.4	102.8	186.9
272	Copper salts (water-soluble)	5,933.7	0.1	24.9	5,908.8
296	1,2,4-trimethylbenzene	22.0	0.1	0.0	21.9
297	1,3,5-trimethylbenzene	2.6	0.3	0.1	2.2
300	Toluene	267.7	151.9	45.5	70.2
304	Lead	8,849.8	0.1	0.3	8,849.4
305	Lead compounds	30,427.4	0.1	4.4	30,422.9
308	Nickel	571.8	0.0	3.9	567.9
309	Nickel compounds	97.4	0.0	11.8	85.6
332	Arsenic and its inorganic compounds	14.2	0.0	0.0	14.2
333	Hydrazine	7.7	0.0	0.0	7.7
349	Phenol	334.5	6.1	13.8	314.6
355	Bis (2-ethylhexyl) phthalate	196.7	0.0	0.2	196.5
374	Hydrogen fluoride and its water-soluble compounds	4.5	0.0	2.2	2.3
384	N-propyl bromide	1.6	1.6	0.0	0.0
392	N-hexane	1.4	0.7	0.0	0.7
405	Boron and its compounds	14.7	0.7	0.6	13.4
412	Manganese and its compounds	9.1	0.0	0.0	9.1
413	Phthalic anhydride	4.0	0.0	0.0	4.0
438	Methylnaphthalene	21.6	0.0	0.0	21.6
Total		49,090.5	199.6	342.8	48,548.0

(note) This list is target for substances with a transaction volume of 1 tons or more (0.5 tons or more for Class 1 Designated Chemical Substances) for the entire Group.