

Initiatives for 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.	1,133	197	510	-450
2. Upstream/downstream costs	Recovery of packaging, drums, etc.	163	-27	243	133
3. Administration costs	Environmental management system auditing, environmental impact monitoring, etc.	332	2	117	15
4. Research and development costs	Development of environmentally friendly products, research into alternatives for harmful substances	278	-60	93	9
5. Social activity costs	Tree planting, local community cleaning activities, donations, etc.	2	0	5	-1
6. Environmental remediation costs	Environmental impact assessments, cleanup of polluted soil, etc.	1	-0	4	0
Total		1,909	112	972	-295

Economic benefits associated with environmental conservation activities

(Unit: million yen)

Details of benefits	Total benefit	
	Furukawa Electric	Affiliated companies
Revenue from recycling	474	213
Reduction in waste disposal costs	-4	9
Reduction in energy costs	1,089	420
Reduction in water purchase costs	18	-9
Total	1,577	634

(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	351	-236	-168
Energy consumption (crude oil equivalent)	1,000KL	128	-2	-2
Water onsumption	1000 tons	8,304	387	-278
Emissions of volatile orgainc chemical compounds	tons	196	-24	-8
CO ₂ emissions	1000 tons-CO ₂	217	2	-9
SO _x emissions	tons	14	31	1
NO _x emissions	tons	45	175	-7
Soot emissions	tons	5	5	-1

(note1) Excluding recycled wastes

(note) Minus firures indicate an increase

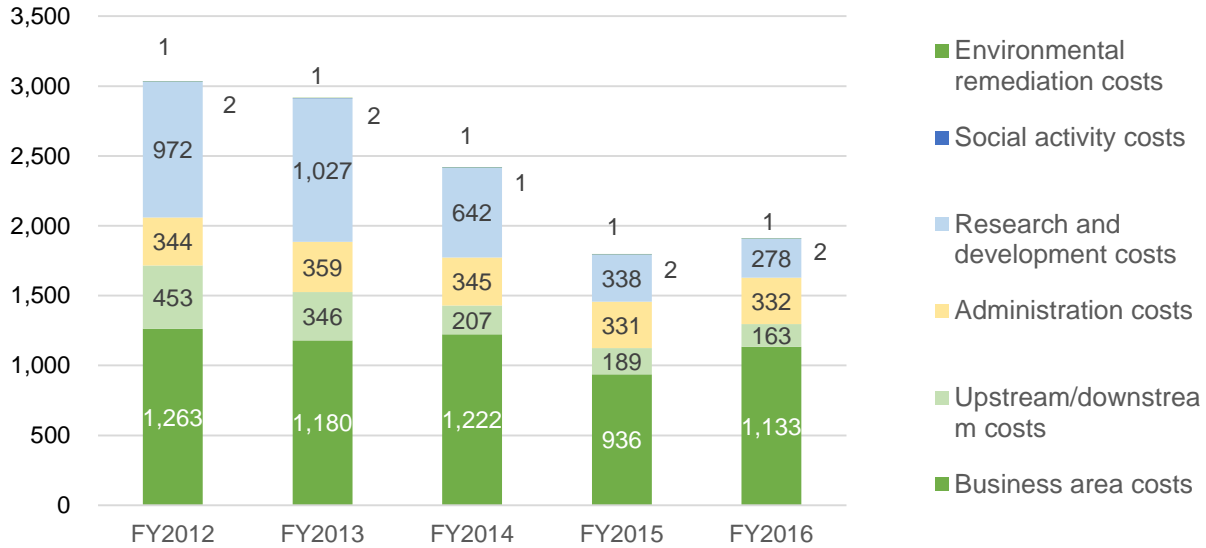
Investment and research costs

(Unit: million yen)

Investment and research costs	Total costs	
	Furukawa Electric	Affiliated companies
Environment-related investment	658	338
Total investment	8,490	3,403
Total research costs	7,507	1,967

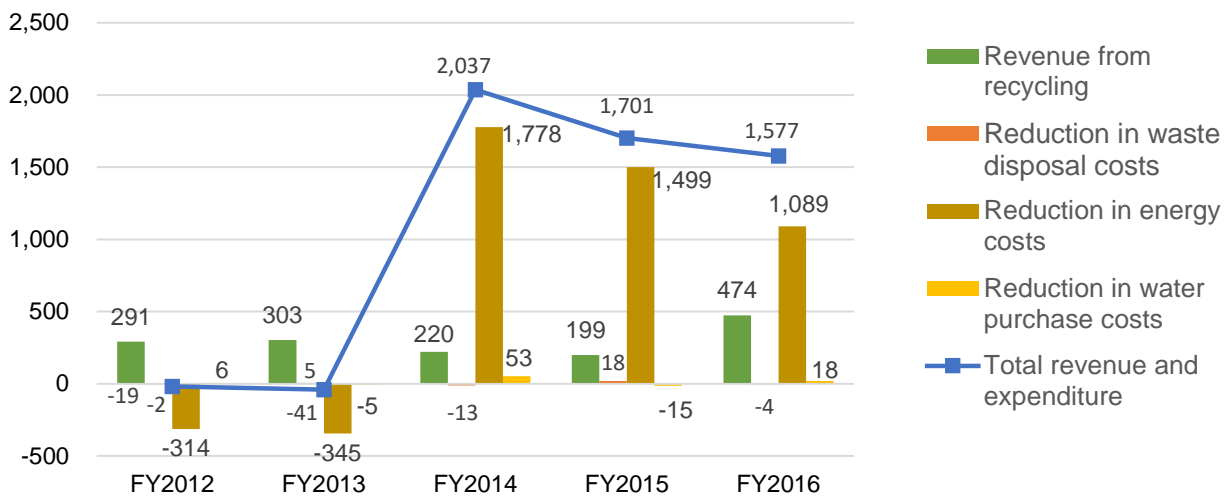
Environmental conservation costs (Furukawa Electric)

(Unit: million yen)



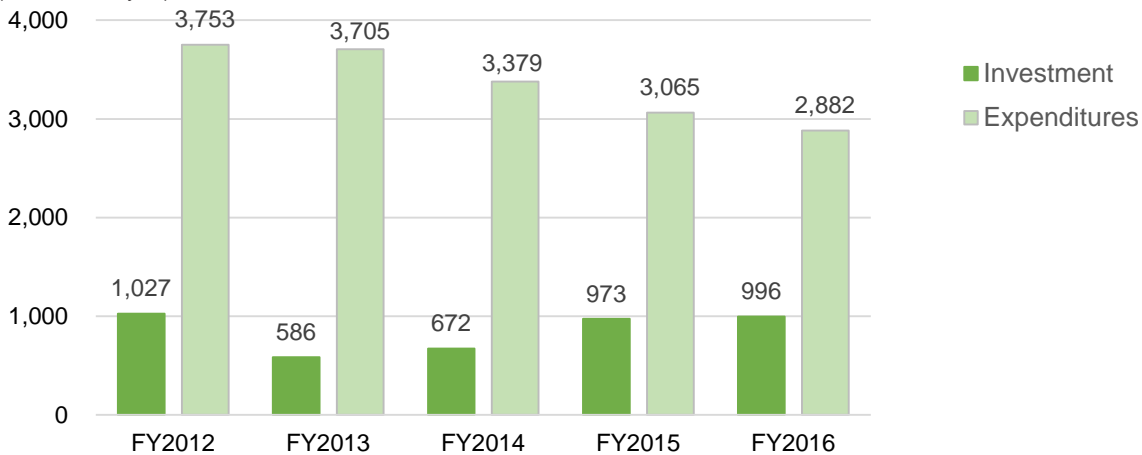
Economic benefits associated with environmental conservation activities (Furukawa Electric)

(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	3.4	0.0	0.4	3.0
31	Antimony and its compounds	375.2	16.1	19.1	340.0
53	Ethylbenzene	111.3	0.6	7.3	103.4
71	Ferric chlorides	54.5	0.0	24.0	30.5
75	Cadmium and its compounds	87.2	0.0	21.4	65.8
80	Xylene	124.3	3.4	8.7	112.2
82	Silver and its water-soluble compounds	4.6	0.0	0.7	3.9
86	Cresol	455.3	7.6	23.9	423.9
87	Chromium and trivalent chromium compounds	13.9	0.0	0.0	13.9
88	Hexavalent chromium compounds	5.6	0.0	4.4	1.2
132	Cobalt and its compounds	9.3	0.0	0.7	8.6
144	Inorganic cyanide compounds (Excluding complex salt and cyanate)	6.6	0.1	5.7	0.8
213	N,N-dimethylacetamide	738.9	19.0	22.2	697.7
232	N,N-dimethylformamide	26.6	0.8	0.8	25.0
255	Decabromodiphenyl ether	245.4	0.3	37.8	207.2
272	Copper salts (water-soluble)	5,877.0	0.2	22.7	5,854.1
296	1,2,4-trimethylbenzene	4.5	0.0	0.0	4.4
297	1,3,5-trimethylbenzene	2.4	0.3	0.1	2.1
300	Toluene	188.4	96.0	19.3	73.1
304	Lead	8,879.4	0.1	0.3	8,879.1
305	Lead compounds	27,886.0	0.1	5.4	27,880.5
308	Nickel	545.9	0.0	2.5	543.5
309	Nickel compounds	107.0	0.0	27.7	79.3
332	Arsenic and its inorganic compounds	14.0	0.0	0.0	14.0
333	Hydrazine	4.0	0.0	0.0	4.0
349	Phenol	336.2	5.5	17.6	313.1
355	Bis (2-ethylhexyl) phthalate	199.2	0.0	0.2	199.0
374	Hydrogen fluoride and its water-soluble compounds	5.7	0.0	3.3	2.5
384	N-propyl bromide	2.8	2.8	0.0	0.0
392	N-hexane	1.1	0.3	0.0	0.8
405	Boron and its compounds	8.7	2.5	0.6	5.6
412	Manganese and its compounds	8.5	0.0	0.0	8.5
413	Phthalic anhydride	1.8	0.0	0.0	1.8
438	Methylnaphthalene	34.3	0.1	0.1	34.1
Total		46,369.2	155.9	276.7	45,936.6

(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.