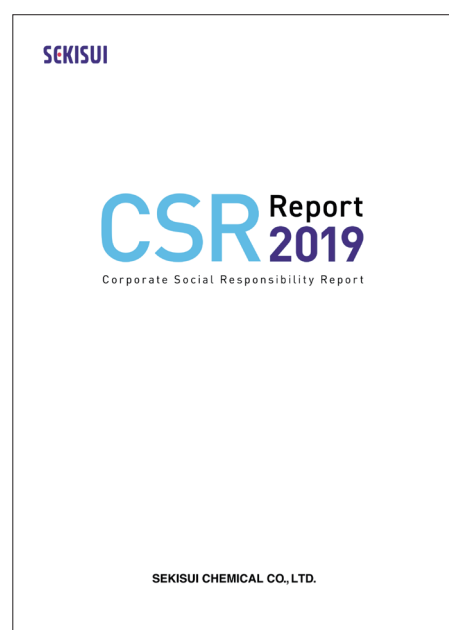


CSR レポート 2019

Corporate Social Responsibility Report

Performance Data Book



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Prominence in Environment

Environmental Management System

Scope of Tabulation for Environmental Performance Data

Note: All of Sekisui Chemical's (consolidated) offices (100% of produced sales amounts) are subject to environmental reporting.

Japan

Housing Company

R&D institute One company and one business site

Sekisui Chemical Co., Ltd. Tsukuba R&D Site

Production plants Seven companies and 10 business sites

Hokkaido Sekisui Heim Industry Co., Ltd. / Tohoku Sekisui Heim Industry Co., Ltd. / Sekisui Heim Industry Co., Ltd. / Chushikoku Sekisui Heim Industry Co., Ltd. / Kyusyu Sekisui Heim Industry Co., Ltd. / Sekisui Board Co., Ltd., etc.

Sales and construction companies 25 companies and 126 business sites

Sekisui Heim sales companies
Construction and service companies

33 companies and 137 business sites in total

Urban Infrastructure & Environmental Products Company

R&D institutes One company and one business site

Sekisui Chemical Co., Ltd. Kyoto Research & Development Laboratories

Production plants 25 companies and 19 business sites

Sekisui Chemical Co., Ltd. Shiga-Ritto Plant and Gunma Plant / Chiba Sekisui Industry Co., Ltd. / Sekisui Chemical Hokkaido Co., Ltd. / Toto Sekisui Co., Ltd. Okayama Sekisui Industry Co., Ltd. / Shikoku Sekisui Co., Ltd. / Nara Sekisui Co., Ltd. / Yamanashi Sekisui Co., Ltd. / Sekisui Seikei, Ltd. / Sekisui Hinomaru Co., Ltd., etc.

Sales One company and 10 business sites

Sekisui Chemical Co., Ltd. Higashinohon Sales, Nishinohon Headquarters, etc.

25 companies and 30 business sites in total

Note: The total number of companies and business sites do not match, since some companies have two or more business sites, and some business sites are shared by two or more companies.

Overseas

Housing Company

Sekisui-SCG Industry Co., Ltd. **One business site**

Urban Infrastructure & Environmental Products Company

Sekisui Polymer Innovations, LLC. Bloomsburg-north Plant
Sekisui Polymer Innovations, LLC. Bloomsburg-south Plant
Sekisui Polymer Innovations, LLC. Holland Plant
Sekisui Esilon B.V.
Sekisui Industrial Piping Co., Ltd.
Sekisui Rib Loc Australia Pty. Ltd.
Sekisui (Wuxi) Plastics Technology Co., Ltd.
Sekisui (Shanghai) Environmental Technology Co., Ltd.

Eight business sites in total

High Performance Plastics Company

Sekisui S-Lec America, LLC.
Sekisui S-Lec Mexico S.A. de C.V.
Sekisui S-Lec B.V. Film Plant
Sekisui S-Lec B.V. Resin Plant
Sekisui S-Lec (Thailand) Co., Ltd.
Sekisui S-LEC (Suzhou) Co., Ltd.
Sekisui Specialty Chemicals America, LLC. Pasadena Plant

High Performance Plastics Company

R&D institutes Three companies and three business sites

Sekisui Chemical Co., Ltd. Minase Site
Sekisui Medical Co., Ltd. Drug Development Solutions Center
Sekisui SoflanWiz Co., Ltd. R&D Division

Production plants 14 companies and 19 business sites

Sekisui Chemical Co., Ltd. Musashi Plant, Shiga-Minakuchi Plant and Taga Plant
Sekisui Techno Molding Co., Ltd. / Sekisui Medical Co., Ltd.,
Sekisui Nano Coat Technology Co., Ltd. / Sekisui Fuller Company, Ltd.
Tokuyama Sekisui Industry Co., Ltd. / Sekisui Polymatech Co., Ltd.
Sekisui SoflanWiz Co., Ltd., etc.

14 companies and 22 business sites in total

Headquarters

R&D institutes One company and one business site

Sekisui Chemical Co., Ltd. Development Center

Production plants and headquarters Two companies and three business sites

Sekisui Chemical Co., Ltd. Osaka headquarters and Tokyo headquarters
ENAX, Inc. Chubu office

Two companies and four business sites in total

Total: 71 companies and 193 business sites

Sekisui Specialty Chemicals America, LLC. Calvert City Plant
Sekisui Specialty Chemicals Europe S.L.
Sekisui Specialty Chemicals (Thailand) Co., Ltd.
S and L Specialty Polymers Co., Ltd.
Sekisui Voltek, LLC. Lawrence Plant
Sekisui Voltek, LLC. Coldwater Plant
Sekisui-Alveo B.V.
Sekisui Alveo BS G.m.b.H.
Thai Sekisui Foam Co., Ltd.
Sekisui Pilon Pty. Ltd.
Youngbo Chemical Co., Ltd.
Youngbo HPP (Langfang) Co., Ltd.
Sekisui High Performance Packaging (Langfang) Co., Ltd.
Sekisui Medical Technology (China) Ltd.
Sekisui Xenotech, LLC.
Sekisui Diagnostics, LLC. San Diego
Sekisui Diagnostics (UK) Ltd.
Sekisui Diagnostics P.E.I. Inc.
Sekisui DLJM Molding Private Ltd. Greater Noida Plant
Sekisui DLJM Molding Private Ltd. Tapukara Plant
Sekisui DLJM Molding Private Ltd. Chen nai Plant
PT.ADYAWINSA SEKISUI TECHNO MOLDING
Sekisui Polymatech (Thailand) Co., Ltd.
PT. Polymatech Indonesia
Sekisui Polymatech (Shanghai) Co., Ltd.

Total: 32 business sites

Business Sites that Have Received Third-party Certification for Their Environment Management Systems

Housing Company

Sekisui Chemical Co., Ltd. Tsukuba R&D Site*
 Hokkaido Sekisui Heim Industry Co., Ltd.
 Tohoku Sekisui Heim Industry Co., Ltd.
 Sekisui Heim Industry Co., Ltd.
 Kanto Site
 Tokyo Site
 Chubu Site
 Kinki Site
 Chushikoku Sekisui Heim Industry Co., Ltd.
 Kyushu Sekisui Heim Industry Co., Ltd.
 Sekisui Board Co., Ltd. Minakuchi Plant
 Sekisui Board Co., Ltd. Gunma Plant
 Sekisui-SCG Industry Co., Ltd.
 SCG-Sekisui Sales Co., Ltd.

Urban Infrastructure & Environmental Products Company

Sekisui Chemical Co., Ltd. Shiga-Ritto Plant
 Sekisui Chemical Co., Ltd. Gunma Plant
 Sekisui Chemical Co., Ltd. Kyoto R & D Laboratories
 Chiba Sekisui Industry Co., Ltd.
 Sekisui Chemical Hokkaido Co., Ltd.
 Toto Sekisui Co., Ltd. Ota Plant
 Okayama Sekisui Industry Co., Ltd.
 Shikoku Sekisui Co., Ltd.
 Kyushu Sekisui Industry Co., Ltd.
 Nara Sekisui Co., Ltd.
 Hanyu Sekisui Co., Ltd.
 Yamanashi Sekisui Co., Ltd.
 Sekisui Seikei, Ltd. Chiba Plant
 Sekisui Seikei, Ltd. Kanto Plant
 Sekisui Seikei, Ltd. Hyogo Plant
 Sekisui Seikei, Ltd. Hyogo-Takino Plant
 Sekisui Seikei, Ltd. Izumo Plant
 Sekisui Hinomaru Co., Ltd. Tosu Plant
 Sekisui Hinomaru Co., Ltd. Kanto Plant
 Sekisui Home Techno Co., Ltd.
 Sekisui Polymer Innovations, LLC. Bloomsburg Plant
 Sekisui Polymer Innovations, LLC. Holland Plant
 Sekisui Eslon B.V.
 Sekisui Rib Loc Australia Pty. Ltd.
 Sekisui Refresh Co., Ltd.
 Sekisui Industrial Piping Co., Ltd.
 Sekisui (Wuxi) Plastics Technology Co., Ltd.
 Sekisui (Qingdao) Plastic Co., Ltd.
 Sekisui (Shanghai) Environmental Technology Co., Ltd.

High Performance Plastics Company

Sekisui Chemical Co., Ltd. Musashi Plant
 Sekisui Chemical Co., Ltd. Shiga-Minakuchi Plant
 [Sekisui Fuller Company, Ltd. Shiga Plant]
 Sekisui Chemical Co., Ltd. Taga Plant
 Sekisui Chemical Co., Ltd. Minase Site
 Sekisui Techno Molding Co., Ltd. Nara Plant
 Sekisui Techno Molding Co., Ltd. Mie Plant
 Sekisui Techno Molding Co., Ltd. Aichi Plant
 Sekisui Fuller Co., Ltd. Hamamatsu Plant
 Sekisui Medical Co., Ltd. Iwate Plant
 Sekisui Medical Co., Ltd. Tsukuba Plant
 Sekisui Medical Co., Ltd. Ami Site
 Sekisui Medical Co., Ltd. Drug Development Solutions Center ☆
 Sekisui Nano Coat Technology Co., Ltd.
 Tokuyama Sekisui Industry Co., Ltd.
 Sekisui S-Lec B.V. Film Plant
 Sekisui S-Lec B.V. Resin Plant
 Sekisui-Alveo B.V.
 Sekisui Alveo BS G.m.b.H.
 Sekisui Specialty Chemicals Europe, S.L.
 Sekisui Diagnostics (UK) Ltd.
 Sekisui S-Lec America, LLC.
 Sekisui Votek, LLC. Lawrence Plant
 Sekisui Votek, LLC. Coldwater Plant
 Sekisui Specialty Chemicals America, LLC.
 Pasadena Plant
 Sekisui Specialty Chemicals America, LLC.
 Calvert City Plant
 Sekisui Diagnostics, LLC, San Diego
 Sekisui Diagnostics P.E.I. Inc.
 Sekisui S-Lec Mexico S.A. de C.V.
 Sekisui S-Lec Thailand Co., Ltd.
 Thai Sekisui Foam Co., Ltd.
 Sekisui Specialty Chemicals (Thailand) Co., Ltd.
 S and L Specialty Polymers Co., Ltd.
 Sekisui Polymatech (Thailand) Co., Ltd.
 PT. Polymatech Indonesia
 Sekisui Pilon Pty. Ltd.
 Sekisui DLJM Molding Private Ltd. Great
 Noida Plant
 Youngbo Chemical Co., Ltd.
 Youngbo HPP (Langfang) Co., Ltd.
 Sekisui High Performance Packaging (Langfang) Co., Ltd.
 Sekisui S-LEC (Suzhou) Co., Ltd.
 Sekisui Medical Technology (China) Ltd.
 Sekisui Polymatech (Shanghai) Co., Ltd.

[]: Organizations in square parentheses are included in the scope of certification. Some sites not shown above may include related sections that have attained ISO 14001 certification.

☆ Eco Action 21; others ISO 14001

* The Sekisui Chemical Co., Ltd. Tsukuba R&D Site and Development Center share a single certification

Headquarters

Sekisui Chemical Co., Ltd. Development Center
 ENAX, Inc. Headquarters, Chubu office

Indicator	Calculation Method
Number of EMS-certified business sites	Number of business sites that have received external EMS certification External EMS certification: ISO 14001, Eco-Action 21, etc.
The proportion of all business sites within Sekisui Chemical Group that have received external EMS certification	The proportion of all business sites within Sekisui Chemical Group that have received external EMS certification = $\Sigma[\text{Number of employees at business sites that have received external EMS certification}] / \text{Consolidated number of employees: Number of employees on the final day of the relevant fiscal year}$

Environment-related Accidents, Complaints, etc.

		Content	Response
Complaints	Noise	Noise from exhaust blowers	Exhaust mufflers installed
	Other	Nighttime lighting environment	Lighting angles changed
		Rainwater getting into waste plastic storage containers	Prevention of rainwater ingress by vinyl covers and stretch film
		Failure to submit an application for permission to make alterations to dangerous goods storage	Submission of application for permission to make alterations

In fiscal 2018, there were four environment-related complaints. In each case in turn, we implemented measures to prevent any reoccurrence.

[Scope of Environmental Accounting]

- (1) Summation period: April 1, 2018 to March 31, 2019
- (2) Scope of tabulation: 45 production sites + 5 research facilities + various departments in headquarters + indirect divisions of Companies + 15 housing sales companies

In fiscal year 2016, the scope of tabulation consisted of 40 production sites + 5 research facilities + various departments in headquarters + indirect divisions of Companies + 15 housing sales companies.

Deleted: Four Sekisui Film Co., Ltd. production sites (outside the scope of consolidation),
Sekisui Medical Co., Ltd. Amagasaki Plant (business transferred)

In fiscal year 2017, the scope of tabulation consisted of 42 production sites + 5 research facilities + various departments in headquarters + indirect divisions of Companies + 15 housing sales companies.

Addition: Hanyu Sekisui Co., Ltd. Tohoku Office, Sekisui Medical Co., Ltd. Ami Office

The business sites deleted from and added to the scope of tabulation in 2018 are as follows:

Deleted: Sekisui Techno Molding Co., Ltd. Nara Office (plant closure)

Addition: Sekisui Techno Molding Co., Ltd. Tochigi Office, Sekisui SoflanWiz Co., Ltd. Iwaki Office,
Atsugi Office, Akashi Office

- (3) Approach toward summation

- Depreciation amounts are the same as those for financial accounting.
- Investment amounts are based on budget approvals during the summation period.
- Expenditures and investments that contain other than environmental conservation activities are distributed pro-rata in 10% increments.

During fiscal 2018, the number of business sites counted as production sites increased.

Concerning costs, management activity costs increased, while upstream and downstream costs, R&D costs, social activity and other costs decreased, and total costs amounted to less than in the previous fiscal year.

Meanwhile, in terms of investment, there was increased investment in pollution prevention measures, and investment in R&D increased; thus, the total amount exceeded that of the previous fiscal year.

In terms of economic effects, profit on the sale of valuables decreased, as did profits from the sale of mega-solar electricity. Additionally, the amount saved on costs from energy-saving activities decreased, while the cost-savings from waste material reduction activities and other efforts increased. The external economic effects from housing equipped with solar power-generation systems and so forth are growing steadily.

Environmental Conservation Costs (Sekisui Chemical Group)

(Millions of yen)

Items		FY2016		FY2017		FY2018	
Category	Description of main activities	Costs	Investments	Costs	Investments	Costs	Investments
1) Costs within business areas	Prevention of air, water, and noise pollution, etc.	1,391	265	1,697	99	1,358	168
	Countermeasures against global warming (energy saving), etc.	383	706	427	1,312	400	870
	Waste reduction, recycling, disposal, etc.	5,370	80	4,967	2,030	5,099	542
2) Upstream/downstream costs	Cost increases due to URU, switching to packaging/packing methods involving reduced environmental impact, greener purchasing, etc.	144	6	218	0	98	7
3) Administrative costs	Environmental education, EMS maintenance, running costs for green action organization, information disclosure, etc.	1,687	5	2,072	0	2,220	13
4) Research & development costs	Research and development on environmental conservation	5,349	804	7,932	1,477	5,983	4,826
5) Social activities costs	Social contributions, etc.	291	0	277	0	271	0
6) Environmental damage costs	Nature restoration, etc.	27	0	29	32	27	0
Total		14,640	1,866	17,618	4,951	15,456	6,426
Total amount of R&D costs* or investment in the fiscal period (million yen)		34,169	20,220	36,974	18,838	38,838	30,551
Ratio of amount related to environmental conservation activities to total amount of R&D costs or Investment (%)		15.7	9.2	21.5	26.3	15.4	21.0

* R&D costs are the total for all consolidated companies.

Environmental Conservation Benefits (Sekisui Chemical Group)

Environmental conservation benefits									Environmental performance criteria: per unit of output; Total				Self-evaluation
Description of effects		Item		Unit	FY2016	FY2017	FY2018	Effect (18-17)	Item	Unit	FY2017	FY2018	
Effects within business areas	Effects on invested resources	Amount of energy usage	(1) Electricity	TJ	1,124	1,116	1,085	-31	(1) Energy usage per unit of output (electricity + fuel)	GJ/ton	1.05	1.00	✓
			(2) Fuel	TJ	2,415	2,488	2,507	19					
	Effects on environmental impact and waste	(3) CO ₂ emissions	Thousand tons	318.9	317.4	306.7	-10.7	—	—	—	—	×	
		(4) Volume of environmental pollutants discharged ^{*1}	Tons	567.3	649.5	679.7	30.2	—	—	—	—	×	
		(5) Waste generated ^{*2}	Thousand tons	37.2	38.3	40.3	2.0	(2) Waste generated per unit of output	kg/ton	42.3	43.4	×	
		(6) Outsourced disposal ^{*3}	Thousand tons	0.00	0.31	0.55	0.24	(3) Outsourced disposal per unit of output	kg/ton	0.34	0.59	×	
Upstream/downstream effects	Effects related to products/services	CO ₂ reduction by photovoltaic power generation, etc. (cumulative)		Thousand tons	425	452	481	29	—	—	—	—	✓
Other benefits to environmental conservation	Others ^{*5}	Business sites attaining ISO 14001 and other certifications	New acquisitions	Sites	3	2	10	—	Business sites attaining ISO 14001 and other certifications ^{*5}	Total number of business sites	102	112	✓
			Renewals	Sites	12	19	14	—					
		Number of business sites achieving zero emissions ^{*4}		Sites	4	0	0	—	Number of business sites achieving zero emissions ^{*4}	Total number of business sites	162	162	✓
		CO ₂ reduction from use of megasolar facilities		Thousand	5.18	4.96	4.57	-0.39	—	—	—	—	—

*1 Class I Designated Chemical Substances specified by PRTR Law.

*2 Amount discharged + Amount disposed of at price + Amount incinerated within own premises.

*3 Simple incineration + Landfill.

*4 Including business sites not subject to environmental accounting summation, such as overseas business sites.

*5 A cumulative total number of sites reviewed for factors, such as consolidation and return of certifications for housing sales companies.

*6 A business site affiliated to multiple companies is counted as one.

Economic Benefits of Environmental Conservation Measures (Sekisui Chemical Group)

(Millions of yen)

Description of effects		FY2016	FY2017	FY2018	Remarks
Revenue	(1) Profit on sales of valuable resources	129	291	159	Profit on sales of valuable resources from promotion of waste segregation and recycling
	(2) Revenues from sale of electricity	379	384	363	Revenues from sale of electricity generated by megasolar facilities
Cost savings	(3) Savings from simplified packaging	0	4	0	
	(4) Cost savings through energy-saving activities	486	654	595	
	(5) Cost savings through waste-reduction activities, etc.	646	677	1,595	Including resource-saving activities
Subtotal (actual effects)		1,639	2,010	2,712	
(6) Contribution to environmental conservation activities ^{*1}		6,694	7,737	11,017	Contribution of environmental conservation activities to added value at business sites ^{*2}
(7) External economic effect		30,647	34,982	35,754	Monetary conversion of impact from photovoltaic generation systems and No-Dig pipe rehabilitation method
Subtotal (estimated effects)		37,341	42,719	46,771	
Total		38,980	44,728	49,483	

*1 Excluding housing sales companies

*2 (Added value from business sites) × {(Costs within business areas + Administrative costs)/(Total production costs excluding materials costs)}

Environmental Conservation Costs (by Company)

(Millions of yen)

Items		Housing Company *1		Urban Infrastructure & Environmental Products Company		High Performance Plastics Company		Sekisui Chemical Group *2	
Category	Description of main activities	Costs	Investments	Costs	Investments	Costs	Investments	Costs	Investments
1) Costs within business areas	Prevention of air, water, and noise pollution, etc.	1,168	67	43	17	144	83	1,358	168
	Countermeasures against global warming (energy saving), etc.	120	125	167	269	113	476	400	870
	Waste reduction, recycling, disposal, etc.	4,188	2	284	17	618	523	5,099	542
2) Upstream/downstream costs	Cost increases due to URU, switching to packaging/packing methods involving reduced environmental impact, greener purchasing, etc.	66	0	5	7	17	0	98	7
3) Administrative costs	Environmental education, EMS maintenance, running costs for green action organization, information disclosure, etc.	545	0	296	0	849	11	2,220	13
4) Research & development costs	Research and development on environmental conservation	161	134	1,819	2	729	1	5,983	4,826
5) Social activities costs	Social contributions, etc.	181	0	33	0	16	0	271	0
6) Environmental damage costs	Nature restoration, etc.	0	0	0	0	27	0	27	0
Total		6,429	328	2,648	312	2,514	1,093	15,456	6,426

Total amount of R&D costs ³ or investment in the fiscal period (million yen)	4,249	5,159	5,938	9,249	21,233	13,840	38,838	30,551
Ratio of amount related to environmental conservation activities to total amount of R&D costs or investment (%)	3.8	6.4	30.6	3.4	3.4	7.9	15.4	21.0

*1 Including 43 business sites of housing sales companies. *2 Total of three division companies and departments of headquarters. *3 R&D costs are the total for all consolidated companies.

Environmental Conservation Costs (by Environmental Conservation Measure)

(Millions of yen)

Items		Housing Company *1		Urban Infrastructure & Environmental Products Company		High Performance Plastics Company		Sekisui Chemical Group *2	
Category	Description of main activities	Costs	Investments	Costs	Investments	Costs	Investments	Costs	Investments
1. Prevention of global warming	Reduction of CO ₂ emissions, etc.	109	125	165	247	111	321	387	693
2. Ozone layer protection	Reduction of chlorofluorocarbon emissions, etc.	7	0	5	8	11	47	23	56
3. Conservation of air quality	Prevention of air pollution by reducing polluting substances	388	63	34	3	39	11	460	77
4. Prevention of noise and vibration	Prevention of noise and vibration pollution	4	0	7	2	10	0	20	2
5. Conservation of water environment, soil environment, ground quality	Preservation of water quality, prevention of subsidence	212	1	18	12	132	58	364	72
6. Waste reduction and recycling	Reduction and treatment of waste, recycling, etc.	4,240	2	290	23	646	523	5,185	549
7. Reduction of chemical substances	Risk management of chemical substances, etc.	527	0	1	0	4	3	533	3
8. Conservation of natural environment	Nature conservation, etc.	103	0	87	0	42	5	263	8
9. Others	Others	840	137	2,041	15	1,518	124	8,221	4,966
Total		6,429	328	2,648	312	2,514	1,093	15,456	6,426

*1 Including 43 business sites of housing sales companies. *2 Total of three division companies and departments of headquarters.

Environmental Conservation Benefits (by Company)

Environmental conservation benefits				Housing Company * ¹			Urban Infrastructure & Environmental Products Company			High Performance Plastics Company			Sekisui Chemical Group * ²			
Description of effects		Items		Unit	FY2017	FY2018	Effect (18-17)	FY2017	FY2018	Effect (18-17)	FY2017	FY2018	Effect (18-17)	FY2017	FY2018	Effect (18-17)
Effects within business areas	Effects on invested resources	Amount of energy usage	(1) Electricity	TJ	151	152	1	573	547	-27	383	377	-6	1,116	1,085	-31
			(2) Fuel	TJ	131	128	-4	94	90	-4	2,257	2,282	25	2,488	2,507	19
	Effects on environmental impact and waste	(3) CO ₂ emissions		Thousand tons	27.7	27.3	-0.4	89.5	81.3	-8.2	198.7	196.4	-2.3	317.4	306.7	-10.7
		(4) Volume of environmental pollutants discharged ⁽³⁾		Tons	1.5	1.4	-0.2	47.0	46.4	-0.6	601.0	631.9	31.0	649.5	679.7	30.2
		(5) Waste generated ⁽⁶⁾		Thousand tons	11.2	11.1	-0.1	7.9	7.8	-0.1	19.0	21.1	2.1	38.3	40.3	2.0
		(6) Outsourced disposal ⁽⁵⁾		Thousand tons	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.38	0.20	0.31	0.55	0.24
Upstream/downstream effects	Effects related to products/service	CO ₂ reduction by photovoltaic power generation, etc.		Thousand tons	452	481	29	—	—	—	—	—	—	452	481	29
Other benefits to environmental conservation	Others ⁽⁴⁾	Business sites attaining ISO 14001 and other certifications	New acquisitions	Sites	0	0	—	0	0	—	2	10	—	2	10	—
			Renewals	Sites	1	5	—	10	4	—	8	4	—	19	14	—
		Number of business sites achieving zero emissions ⁽⁷⁾		Sites	0	0	—	0	0	—	0	0	—	0	0	—
		CO ₂ reduction from use of megasolar facilities		Thousand tons	3.11	2.91	-0.20	0.80	0.67	-0.12	1.05	0.98	-0.07	4.96	4.57	-0.39

*1 Including 43 business sites of housing sales companies *2 Total of three division companies and departments of headquarters. *3 Class I Designated Chemical Substances specified by PRTR Law.

*4 Amount discharged + Amount incinerated at price + Amount incinerated within own premises *5 Simple incineration + Landfill

*6 Including business sites not subject to environmental accounting summation, such as overseas business sites *7 A business site affiliated to multiple companies is counted as one.

Economic Benefits of Environmental Conservation Measures (by Company)

(Millions of yen)

Description of effects		Housing Company *1	Urban Infrastructure & Environmental Products Company	High Performance Plastics Company	Sekisui Chemical Group *2	Remarks
Revenue	(1) Profit on sales of valuable resources	23	32	103	159	Profit on sales of valuable resources from promotion of waste segregation and recycling
	(2) Revenues from sale of electricity	226	59	77	363	Revenues from sale of electricity generated by megasolar facilities
Cost savings	(3) Savings from simplified packaging	0	0	0	0	
	(4) Cost savings through energy-saving activities	21	106	468	595	
	(5) Cost savings through waste-reduction activities, etc.	36	97	1,462	1,595	Including resource-saving activities
Subtotal (actual effects)		306	294	2,110	2,712	Contribution of environmental conservation activities to added value at business sites *4
(6) Contribution to environmental conservation activities *3		1,408	1,811	7,798	11,017	Monetary conversion of impact from photovoltaic generation systems and No-Dig pipe rehabilitation method
(7) External economic effect		25,242	10,513	—	35,754	
Sub-total (estimated effects)		26,650	12,324	7,798	46,771	
Total		26,956	12,618	9,908	49,483	

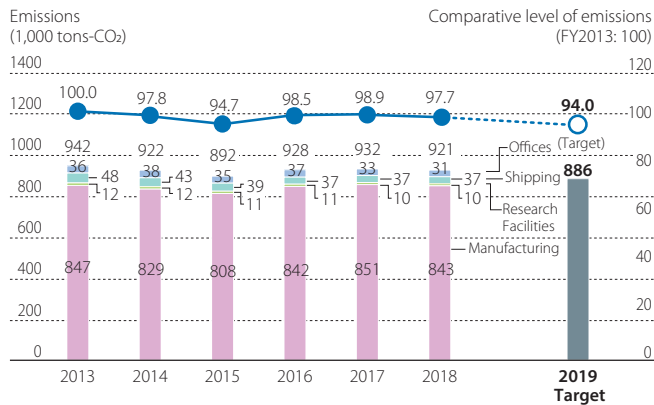
*1 Including 43 business sites of housing sales companies *2 Total of three division companies and departments of headquarters. *3 Excluding housing sales companies

*4 (Added value from business sites) × {(Costs within business areas + Administrative costs)/(Total production costs excluding materials costs)}

Indicator	Calculation Method
Environmental Accounting	<p>Calculation based on referring to the Ministry of the Environment's "Environmental Accounting Guidelines 2005 Edition" and adding Sekisui's own concepts, such as external economic effects (estimated effects)</p> <p>Among the economic effects attendant with environmental conservation measures, the external economic effect consist of the effects of energy-savings from sales of housing equipped with solar power-generation systems and the effects of non-digging renovation methods for sewers, and so forth, converted to a monetary value</p>

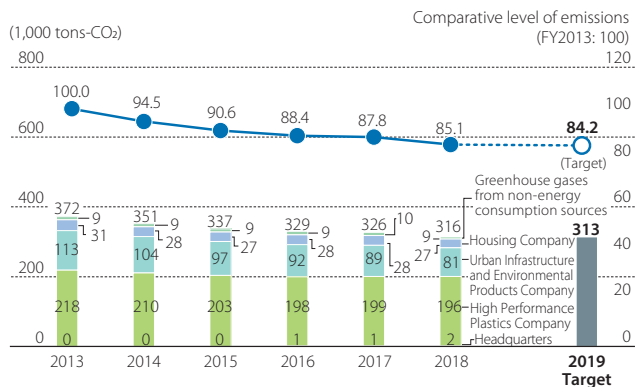
Starting with the current Environmental Medium-term Plan (2017-2019) we have revised the CO₂ emissions coefficient and amount of heat generated per unit of output, resulting in revisions to figures for previous fiscal years.

Greenhouse Gas (GHG) Emissions That Arise from Business Activities

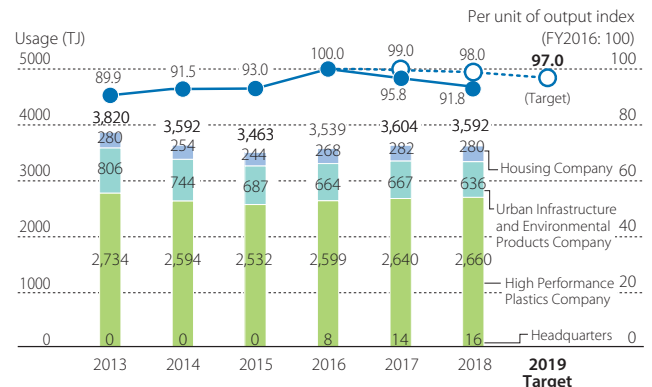


Note: Past figures have been revised due to improvements in precision.

Greenhouse Gas (GHG) Emissions during Manufacturing / Japan

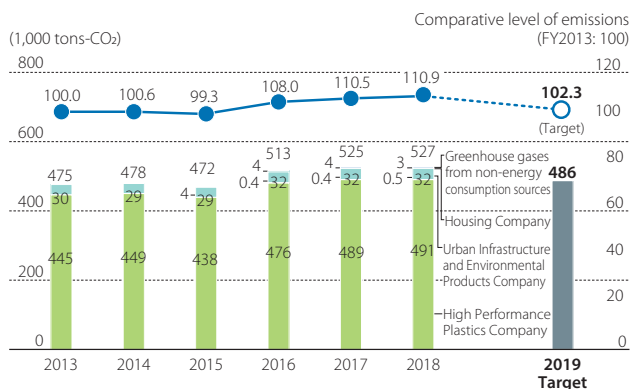


Energy Usage and per Unit of Output* (Index) during Manufacturing / Japan

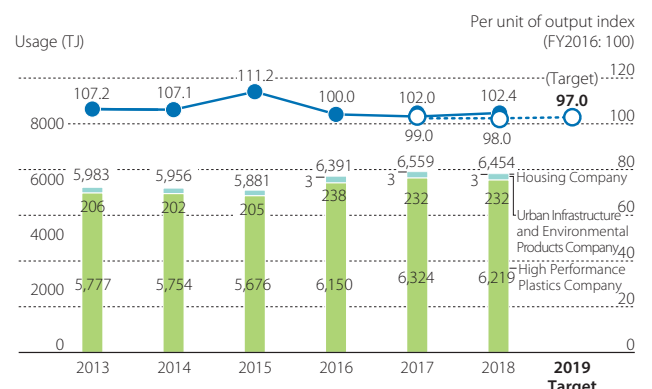


* Energy consumption per unit of production weight

Greenhouse Gas (GHG) Emissions during Manufacturing / Overseas

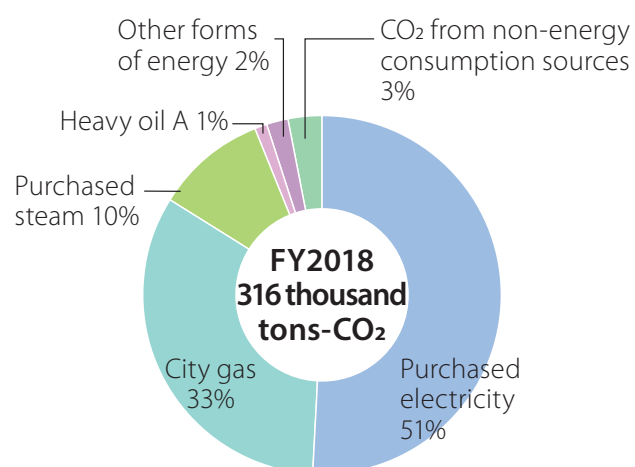


Energy Usage and per Unit of Output* (Index) during Manufacturing / Overseas

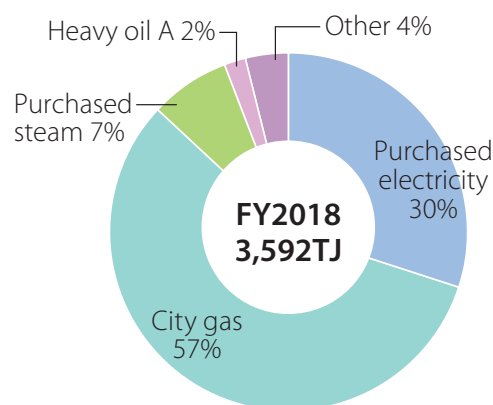


* Energy consumption per unit of production weight

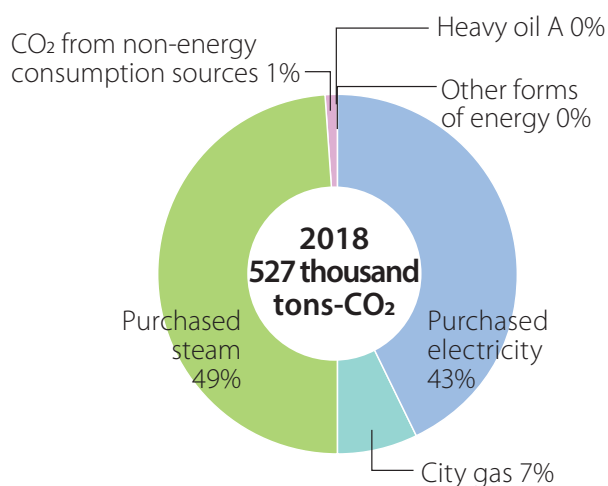
Breakdown of Greenhouse Gas (GHG) Emissions during Manufacturing / Japan



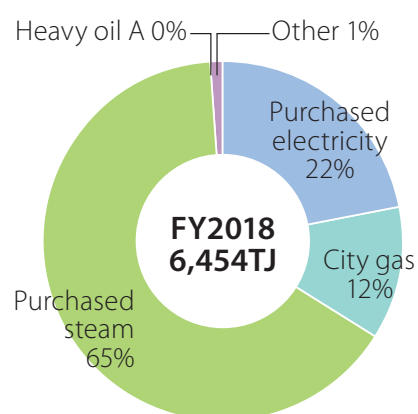
Breakdown of Energy Usage during Manufacturing / Japan



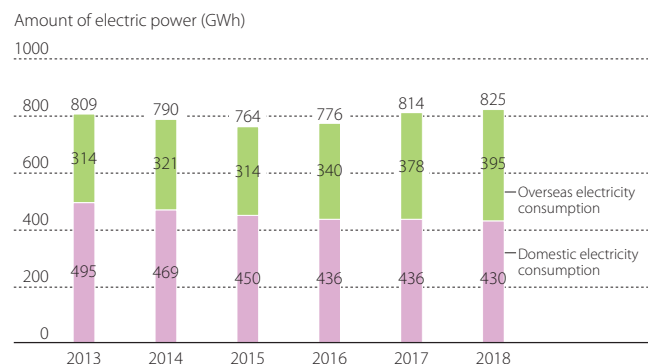
Breakdown of Greenhouse Gas (GHG) Emissions during Manufacturing / Overseas



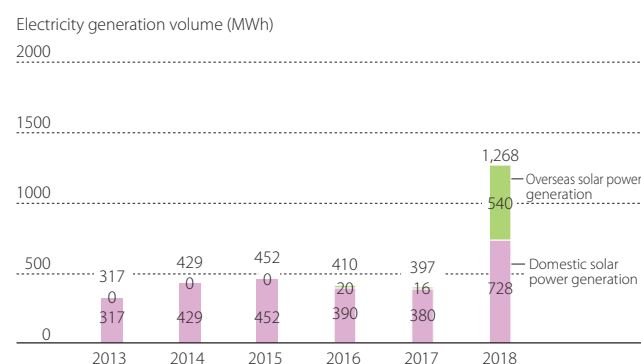
Breakdown of Energy Usage during Manufacturing / Overseas



Electricity Consumption Volume for Research Facilities and Manufacturing / Japan and Overseas

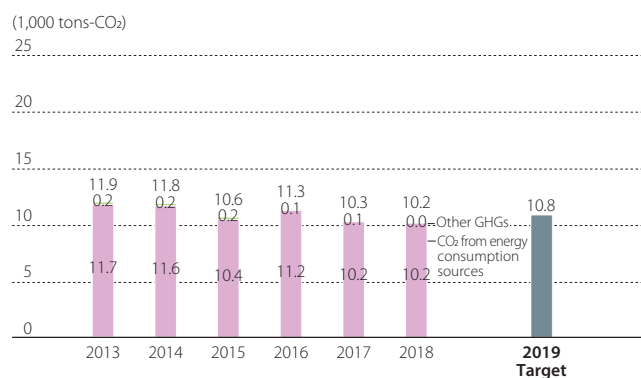


In-House Use Solar Power Generation Volume for Research Facilities and Manufacturing / Japan and Overseas

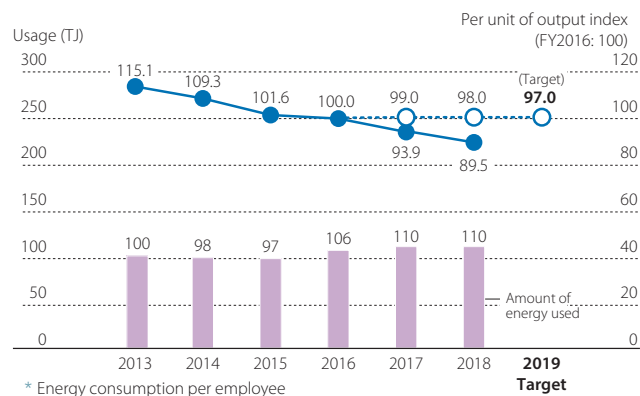


Note: Past figures have been revised due to improvements in precision.

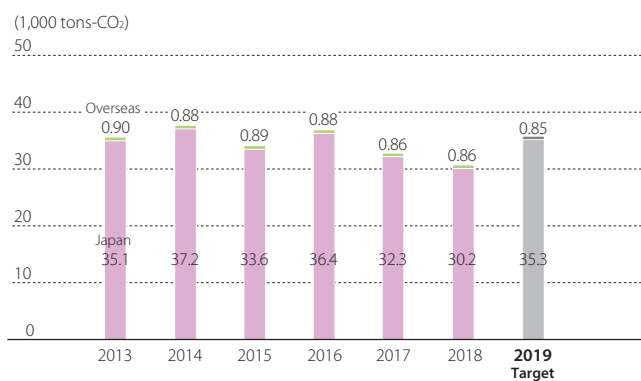
GHG Emissions at Research Facilities



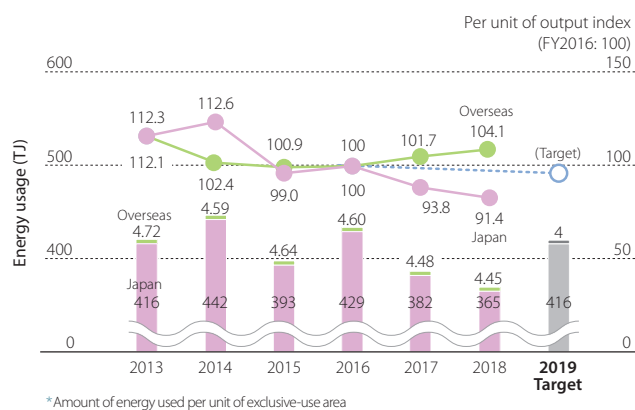
Energy Usage and per Unit of Output* (Index) at Research Facilities



GHG Emissions at Offices



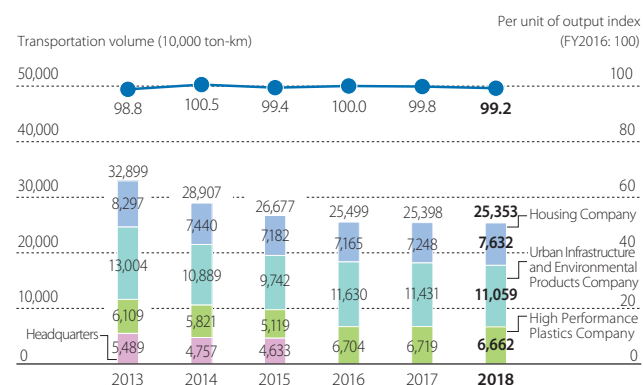
Energy Usage and per Unit of Output* (Index) at Offices



Note: For Japan, electricity and fuel for company cars are tabulated, while only electricity is tabulated for overseas.

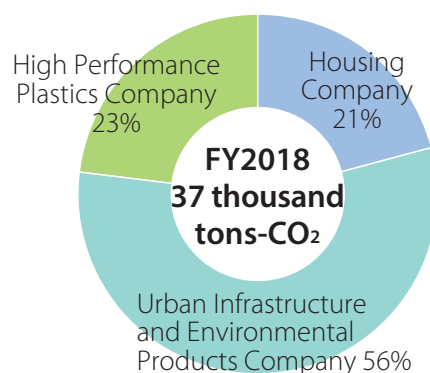
Indicator	Calculation Method
Greenhouse Gas Emissions	<p>GHG emissions = Σ[fuel usage, purchased electricity, purchased steam \times CO₂ emissions coefficient] + greenhouse gas emissions not arising from energy consumption</p> <p>Greenhouse gas emissions not arising from energy consumption = CO₂ emissions not arising from energy consumption* + Σ[emissions of non-CO₂ greenhouse gases \times global warming coefficient]</p> <p>*Includes CO₂ emissions from the burning of non-fuel matter based on the Act on Promotion of Global Warming Countermeasures, both inside Japan and overseas</p> <p>[CO₂ Emissions Coefficient]</p> <p>Purchased Electricity: In Japan, the coefficient provided in notices pursuant to the Act on Promotion of Global Warming Countermeasures is applied to the latest data at the start of each fiscal year. In cases where the Company purchases power with the emission coefficient set by menu, the adjusted emission coefficient applies.</p> <p>For overseas data, the latest coefficient data as of the start of each fiscal year acquired from suppliers is applied.</p> <p>When no data is available, the data is complied with the GHG Protocol and EPA eGRID 2014 for determinations.</p> <p>City Gas and Purchased Steam: Coefficients obtained from suppliers are applied to the latest data at the start of each fiscal year</p> <p>If a coefficient cannot be obtained in this manner, it is based on the Act on Promotion of Global Warming Countermeasures</p> <p>Fuel Other than the Above: Based on the Act on Promotion of Global Warming Countermeasures</p> <p>Global warming coefficient: An emissions coefficient determined based on a system of greenhouse gas emission calculations, reports, and official disclosures</p>
Energy Usage	<p>Energy usage = Σ[amount of fuel used, amount of electricity purchased, amount of steam purchased \times amount of heat generated per unit]</p> <p>[Amount of Heat Generated per Unit]</p> <p>Purchased Electricity: 3.60 MJ/kWh</p> <p>Fuel, Purchased Steam: Based on the Act on the Rational Use of Energy</p>

Transportation Volumes and Energy per Unit of Output* (Index) during Transportation / Japan



* Both transportation volume and Energy per unit of output (index) have been revised from fiscal 2016 due to improvements in precision.

CO₂ Emissions during the Transport Stage / Japan

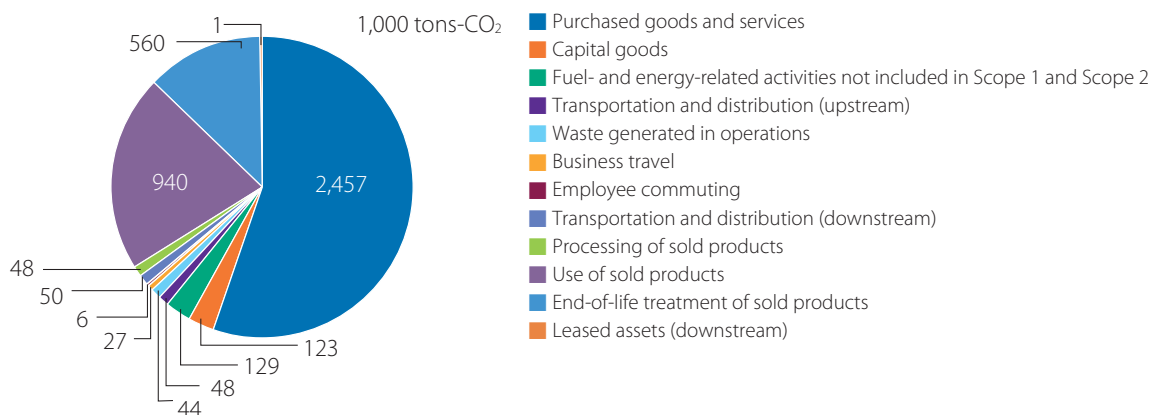


Indicator	Calculation Method
CO ₂ Emissions during the Transport	<p>The calculation is the CO₂ emissions yielded by combining the fuel method (transport of housing units, etc.) and the metric ton-kilo method (other than transport of housing units, etc.)</p> $\text{CO}_2 \text{ emissions} = \sum[\text{fuel usage} \times \text{CO}_2 \text{ emissions coefficient}] + \sum[\text{amount transported (metric tons)} \times \text{distance transported (km)} \times \text{fuel usage per unit of output} \times \text{CO}_2 \text{ emissions coefficient}]$ <p>Fuel usage per unit of output is the value used in the reporting system for specified freight carriers under the Act on the Rational Use of Energy</p> <p>Domestic distribution (shipment of products) is covered</p>

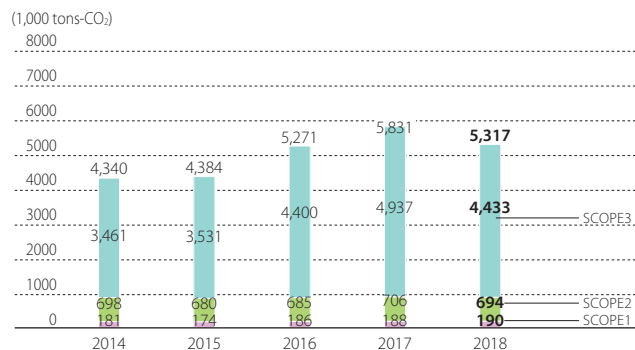
Greenhouse Gas Emissions throughout Supply Chain (SCOPE 3)

Category		Estimated emissions (1,000 tons-CO ₂)				
		FY2014	FY2015	FY2016	FY2017	FY2018
Upstream	Purchased goods and services	1,521	1,455	2,180	2,336	2,457
	Capital goods	31	17	37	171	123
	Fuel-and energy related activities not included in Scope 1 and Scope 2	121	119	127	131	129
	Transportation and distribution (upstream)	24	24	37	46	48
	Waste generated in operations	45	45	46	42	44
	Business travel	30	29	26	30	27
	Employee commuting	5	5	5	6	6
Downstream	Transportation and distribution (downstream)	59	53	45	45	50
	Processing of sold products	42	41	43	46	48
	Use of sold products	1,353	1,528	1,542	1,554	940
	End-of-life treatment of sold products	227	216	310	529	560
	Leased assets(downstream)	1	1	1	1	1
Total(upstream/downstream)		3,461	3,531	4,400	4,937	4,433

Note: Since fiscal 2016, the scope of tabulation of purchased products and services has been expanded; this resulted in the emissions increasing substantially from the previous fiscal year following review of the values for fiscal 2016. After including the effects of reducing energy consumption, emission volumes related to the “use of sold products” declined, and SCOPE3 decreased compared to the previous fiscal year for ZEH specification housing from fiscal 2018.



Greenhouse Gas Emissions Throughout Supply Chain as a Whole (Classified by SCOPE)



Note: Since fiscal 2016, transport energy accuracy has improved and the scope of tabulation of purchased products and services has been expanded in relation to SCOPE3; this resulted in the emissions known increasing substantially from the previous fiscal year.

After including the effects of reducing energy consumption, emission volumes related to the “use of sold products” declined, and SCOPE3 decreased compared to the previous fiscal year for ZEH specification housing from fiscal 2018.

Indicator	Calculation Method	
Greenhouse Gas Emissions throughout Supply Chain	Purchased goods and services	<p>$\text{CO}_2 \text{ emissions} = \Sigma[(\text{amount of major raw materials used as listed in Material Balance section of this report} + \text{estimated values for other raw materials}) \times \text{emission coefficient (IDEA v 2.2 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))}]$</p> <p>Up to and including fiscal 2017, the Group gained an understanding of environmental impact, including the volume of greenhouse gases emitted, by making calculations using "MiLCA," the database furnished by the Japan Environmental Management Association for Industry. However, from fiscal 2018, the Group is reflecting the actual emissions of its raw material suppliers with regard to four principal resins (PP, PE, PVC and PVA).</p>
	Capital goods	<p>$\text{CO}_2 \text{ emissions} = \Sigma[(\text{amount of spending on capital expenditures authorized for the given fiscal year for buildings, structures, mechanical equipment, and transport vehicles}) \times \text{emissions coefficient (per unit emissions database for calculating organizational greenhouse gas emissions, etc., arising from supply chains (Ver. 2.0) (Ministry of the Environment and Ministry of the Economy, Trade and Industry))}]$</p>
	Fuel-and energy related activities not included in Scope 1 and Scope 2	<p>$\text{CO}_2 \text{ emissions} = \Sigma[(\text{fuel usage, amount of purchased electricity, and amount of purchased steam}) \times \text{emissions coefficient}]$</p> <p>The emissions coefficients used are as follows. For fuel, IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry); for purchased electricity and steam, per unit emission database for calculating greenhouse gas emissions by organizations, etc., arising from supply chains (Ver. 2.0) (Ministry of the Environment and Ministry of the Economy, Trade and Industry).</p> <p>Applicable to production sites, laboratories, and offices both inside Japan and overseas</p>
	Transportation and distribution (upstream)	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{amount of major raw materials used as listed in the Material Balance section of this report} \times \text{transport distance} \times \text{emission coefficient (IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))}]$</p> <p>(Calculated assuming that the uniform transport distance was 200 km)</p>
	Waste generated in operations	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{amount of waste materials generated (by type)} \times \text{emission coefficient (IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))}]$ Covers major production sites and research facilities in Japan and overseas</p>
	Business travel	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{transportation costs by method of transport} \times \text{emissions coefficient (per unit emissions database for calculating organizational greenhouse gas emissions, etc., arising from supply chains (Ver. 2.0) (Ministry of the Environment and Ministry of the Economy, Trade and Industry))}]$</p> <p>(Includes estimates of transportation costs for group companies)</p> <p>Covers group companies in Japan and overseas</p>

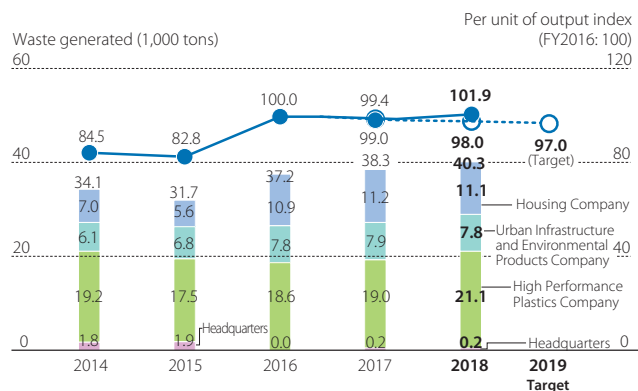
Indicator	Calculation Method	
Greenhouse Gas Emissions throughout Supply Chain	Employee commuting	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{amount spent on commuting assistance} \times \text{emissions coefficient (per unit emissions database for calculating organizational greenhouse gas emissions, etc., arising from supply chains (Ver. 2.0) (Ministry of the Environment and Ministry of the Economy, Trade and Industry))}]$</p> <p>(Calculated based on the assumption that all commuting is done by passenger train) (Group company commuting costs include estimates) Group companies in Japan and overseas all covered</p>
	Transportation and distribution (downstream)	<p>he calculation is the total amount of CO_2 emissions yielded by combining the fuel method (transport of housing units, etc.) and the metric ton-kilo method (other than transport of housing unit, etc.)</p> <p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{fuel usage} \times \text{CO}_2 \text{ emissions coefficient}] + \Sigma[\text{amount transported (metric tons)} \times \text{distance transported (km)} \times \text{fuel usage per unit of output} \times \text{CO}_2 \text{ emissions coefficient (value used in the reporting system for specified freight carriers under the Act on the Rational Use of Energy)}]$ (Estimates used for overseas)</p> <p>Covers shipments of products by group companies in Japan and overseas</p>
	Processing of sold products	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{production volume of relevant products} \times \text{emission coefficient at the time of processing the relevant products (IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))}]$</p> <p>Covers products for the automotive industry by group companies in Japan and overseas</p>
	Use of sold products	<p>$\text{CO}_2 \text{ emissions} = \Sigma[\text{number of structures sold as housing during the relevant fiscal year} \times \text{amount of electricity purchased from power companies throughout a year} \times 60 \text{ years} \times \text{electricity-based emissions coefficient}]$</p> <p>The amount of electricity purchased from power companies throughout a year is based on the Electricity Income and Expenditure Home Survey of Houses with Built-In Solar Power Generation Systems (2018). The electricity-based emissions coefficient employed is the emissions coefficient from the 2018 report produced by the Act on Promotion of Global Warming Countermeasures reporting system (alternate value), equal to 0.512 metric tons-CO_2/MWh. The calculation is performed under the assumption that housing will be used for 60 years. Housing sold within Japan for the fiscal year relevant to the calculation is covered. Up to and including fiscal 2017, the Group calculated the amount of greenhouse gas reduction achieved through solar power generation as the amount of reduced environmental impact. From fiscal 2018, however, we are also calculating the effect of reduction in energy used in residences built to zero energy house (ZEH) specifications.</p>

Indicator	Calculation Method	
Greenhouse Gas Emissions throughout Supply Chain	End-of-life treatment of sold products	<p>CO₂ emissions = Σ[amount of major raw materials used in the products sold during the relevant fiscal year × emission coefficient (IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))]</p> <p>The calculation assumes that products sold during a given fiscal year are disposed of during the same fiscal year</p>
	Leased assets (downstream)	<p>Calculated to cover construction related to the installation of machinery leased by Sekisui</p> <p>CO₂ emissions = Σ[relevant installation units × emission coefficient (IDEA v 2.1 (a GHG emissions database by the National Institute of Advanced Industrial Science and Technology and the Japan Environmental Management Association for Industry))]</p>

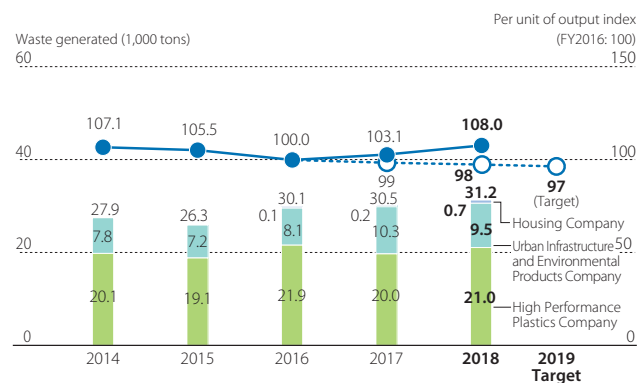
Waste Generated by Production Sites

Some past figures have been revised due to improvements in precision.

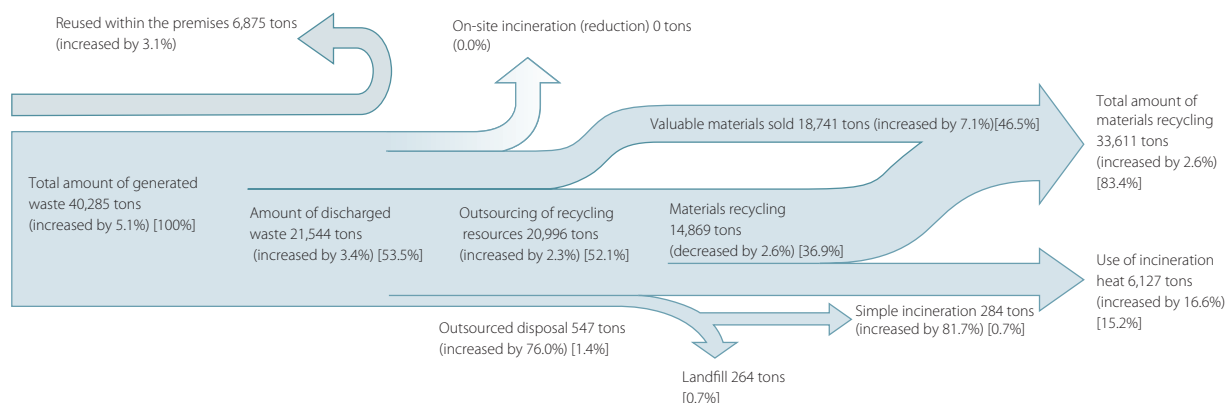
Waste Generated by Production Sites and per Unit of Output (Index) / Japan



Waste Generated by Production Sites and per Unit of Output (Index) / Overseas

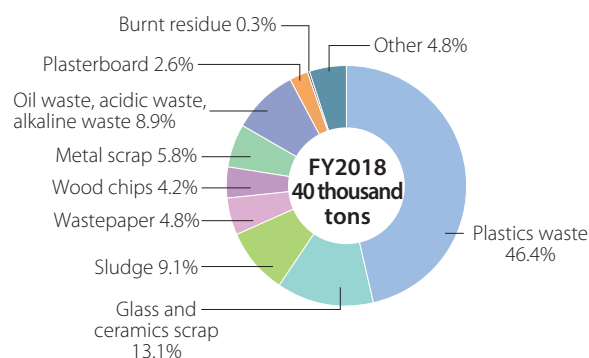


Fiscal 2018 Annual Production Site Waste Generation and Disposal Conditions / Japan



Note: Change over previous year is in () and proportion of total waste generation is in [].

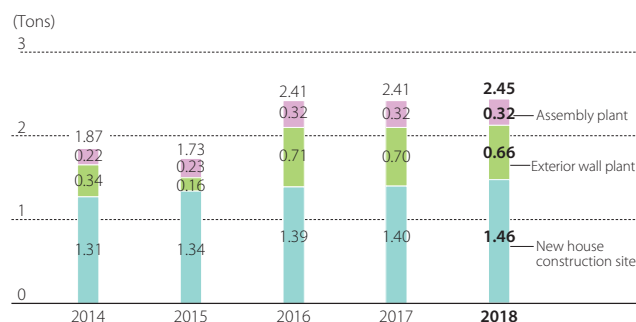
Breakdown of Waste Generated at Production Sites / Japan



Index	Calculation method
Generated waste amount	<p>Amount of waste generated = Amount of waste disposal outsourced + Amount recycled (use of incineration heat + materials recycling + sold at a price) + Amount incinerated in the Company; the items below are excluded:</p> <p>waste generated by demolition of old houses of the clients, left-over materials at construction sites, disposal of facilities, OA equipment, etc., infectious waste generated during medical consultations / medical practices</p>

Waste Generated on Construction Sites of New Housing

Amount of Waste Generated on Construction Sites of New Housing (per Building) / Japan

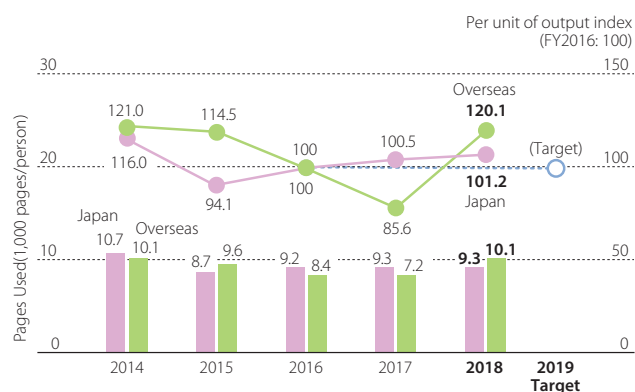


* Because of changes to the waste materials data collection method used by the Housing Company, we are revising the fiscal 2016 benchmark

Index	Calculation method
Amount of waste generated on construction sites of new housing	<p>Amount of waste generated on construction sites of new housing = Amount of waste generated during construction of outer walls (at factory) + Amount of waste generated during assembly (at factory) + Amount of waste generated at construction site of new housing</p> <p>Amount of waste generated per building during construction of new housing = Amount of waste generated during construction of new housing / Number of buildings sold</p> <p>Target: housing business in Japan</p>

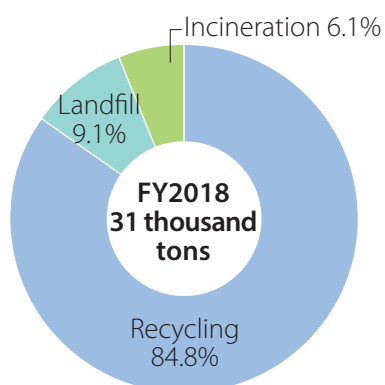
Waste Related to Office Work

Amount of Copy Paper Used at Offices per Unit of Output (Index)



Waste Disposal Methods / Overseas

Waste Disposal Methods at Production Sites



Attainment of Zero Waste Emissions Activity Targets

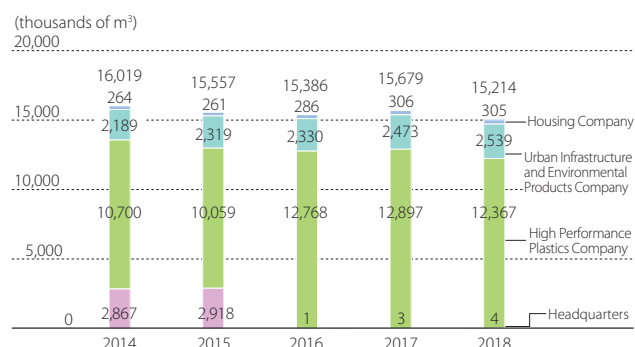
Production sites	44 plants in Japan and 12 plants overseas, including those of affiliated companies, achieved the target
Research institutes	All research institutes achieved the target by fiscal 2012
Construction of new housing	All production sites achieved the target by fiscal 2003
Remodeling work	All production sites achieved the target by fiscal 2004
Corporate headquarters buildings in Osaka/Tokyo	Achieved the target by fiscal 2005
Demolition work	Specified construction materials for fiscal 2018 Recycling rate (of concrete, wood offcuts, etc.): 99%

Indicator	Calculation Method
Number of production sites that achieved zero emissions	Number of production sites that achieved zero emissions in that year

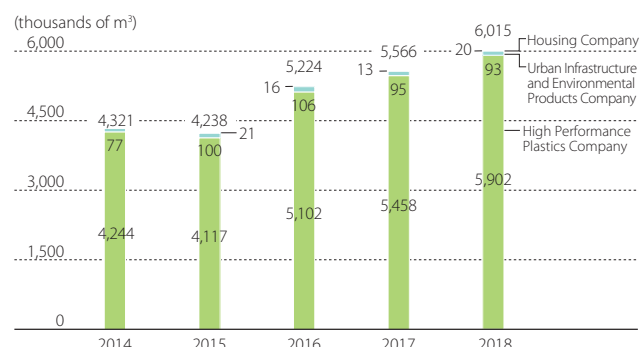
Conservation of Water Resources

Some past figures have been revised due to improvements in precision.

Water Intake Volume at Production Sites / Japan



Water Intake Volume at Production Sites / Overseas



Water Intake Volume at Production Sites by Water Source Type / Japan and Overseas

(thousands of m³)

	2015	2016	2017	2018
Public Water Systems	3,016	3,132	3,200	3,374
Water for Factory Use	13,656	14,943	15,085	15,682
Underground Water	2,172	1,787	1,803	1,908
Rainwater	0	0	0	0
Other	951	747	1,156	265
Total	19,795	20,610	21,245	21,229

* "Other" refers to the direct use of river water domestically and purchase of purified water overseas.

Wastewater Volume at Production Sites by Discharge Destination / Japan and Overseas

(thousands of m³)

	2015	2016	2017	2018
Rivers	11,018	10,993	11,477	11,179
Industrial Waterways	564	249	176	194
The Ocean	2,741	2,892	2,503	2,277
Sewers	2,897	3,509	3,695	3,663
Other	1,555	1,498	1,464	1,885
Total	18,776	19,140	19,316	19,197

* "Other" refers to drainage to industrial park waste water treatment facilities.

Fiscal 2018 Water Intake Volume at Production Sites by Region

(thousands of m³)

	Japan	China	The Rest of Asia and Oceania	Europe	North and Central America	Total
Public Water Systems	673	324	216	1,834	327	3,374
Water for Factory Use	12,547	0	729	32	2,374	15,682
Underground Water	1,798	0	110	0	0	1,908
Rainwater	0	0	0	0	0	0
Other	197	0	69	0	0	265
Total	15,214	324	1,125	1,866	2,700	21,229

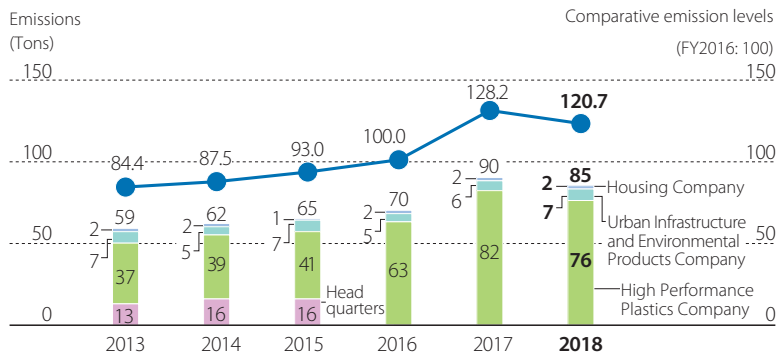
Fiscal 2018 Wastewater Volume at Production Sites by Region and Discharge Destination

(thousands of m³)

	Japan	China	The Rest of Asia and Oceania	Europe	North and Central America	Total
Rivers	11,159	0	20	0	0	11,179
Industrial Waterways	194	0	0	0	0	194
The Ocean	2,277	0	0	0	0	2,277
Sewers	615	308	760	1,860	120	3,663
Other	0	0	55	0	1,829	1,885
Total	14,245	308	835	1,860	1,949	19,197

Index	Calculation Method
Water intake volume	<p>Water intake volume = Amount of public water systems + Amount of water for factory use + Amount of underground water taken on site + Amount of rainwater + Other water intake*</p> <p>* Other water intake: Water taken directly from rivers, etc.</p>

COD Emission Volume / Japan



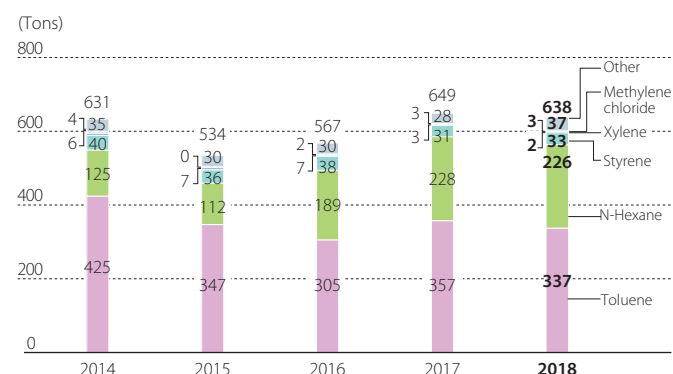
Index	Calculation Method
COD emission volume	<p>Emission volume = Σ[COD concentration (annual average of measured value) x Drainage volume]</p>

Aggregated Results Based on the PRTR Law (Substances Handled at the Business Sites Subject to Assessment with Volume of Handling of 1 Ton or More Are Aggregated)

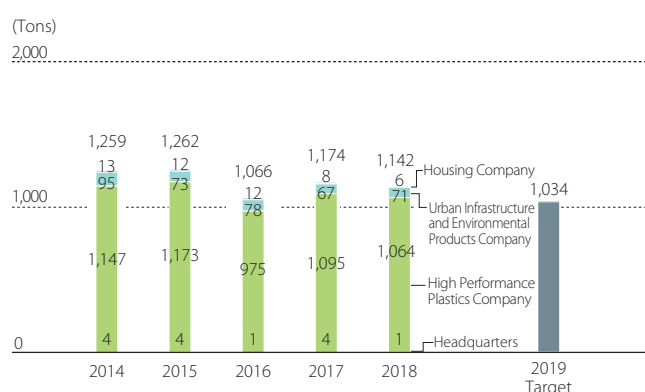
Substance	Govt. ordinance notification no.	Emission volume	Emission volume				Transfer volume			Detoxification
			Atmospheric	Public water areas	In-house soil	In-house landfill	Sewage system	Transfer in waste disposal	Transfer in waste recycling	
Acrylic acid and aqueous salt solutions thereof	[4]	15.9	0	0	0	0	0	0	1.6	14
n-Butyl acrylate	[7]	230.9	0.27	0	0	0	0	0	1.8	229
Acrylonitrile	[9]	468.3	3.7	0	0	0	0	0	0.0080	465
Acetaldehyde	[12]	260.3	0.19	0	0	0	0	0	0	260
Acetonitrile	[13]	90.1	7.2	0	0	0	0	0	83	0
2,2'-Azobisisobutyronitrile	[16]	5.5	0	0	0	0	0	0	0	5.5
Antimony and its compounds	[31]	11.5	0	0	0	0	0	0	1.2	0
Isobutyraldehyde	[35]	175.3	1.8	0	0	0	0	0	0	173
2-Ethylhexanoic acid	[51]	6,617.5	0	0	0	0	0	0	5.6	6,608
Ethylbenzene	[53]	2.1	2.1	0	0	0	0	0	0	0
ε-Caprolactam	[76]	55.4	0	0.018	0	0	0	0	0	55
Xylene	[80]	37.1	2.3	0	0	0	0	0	0.061	35
Vinyl chloride	[Special 94]	107,244.1	4.0	0.12	0	0	0	0	0	107,240
Chloroform	[127]	7.8	0.42	0	0	0	0	0	4.4	0.80
Vinyl acetate	[134]	58.5	4.6	0	0	0	0	0	4.0	50
Inorganic cyanide compounds (not including complex salts and cyanate)	[144]	61.6	0	0	0	0	0	0	0	62
Cyclohexylamine	[154]	9.3	0.52	0	0	0	0	0	0	8.7
Methylene chloride	[186]	202.0	2.6	0	0	0	0	0	0	199
Divinylbenzene	[202]	2.0	0	0	0	0	0	0	0	2.0
2,6-di-t-butyl-4-cresol	[207]	62.4	0	0	0	0	0	0	0	62
N,N-dimethylacetamide	[213]	4.0	0.016	0	0	0	2.5	0	1.5	0
Organic tin compounds	[239]	133.5	0	0	0	0	0	0	0.67	0
Styrene	[240]	1,470.5	33	0	0	0	0	0	0.011	776
Terephthalic acid	[270]	80.2	0	0	0	0	0	0	0	80
n-Dodecyl alcohol	[273]	23.2	0	0	0	0	0	0	0	23
1,2,4-Trimethylbenzene	[296]	1.4	1.4	0	0	0	0	0	0	0
Tolylene Diisocyanate	[298]	9.6	0	0	0	0	0	0	0	0
Toluene	[300]	818.2	337	0	0	0	0	0	42	396
Lead compounds	[Special 305]	560.5	0	0	0	0	0	0.069	2.5	59
Phenol	[349]	23.4	0.0021	0	0	0	0	0	0.038	21
Bis-(2-ethylhexyl) phthalate	[355]	1,019.9	0	0	0	0	0	0	1.5	0
n-Hexane	[392]	299.9	226	0	0	0	0	0	11	63
Poly (oxyethylene) = alkyl = ether (C = 12-15 and other blends)	[407]	2.8	0	0	0	0	0	0	0	0
Formaldehyde	[Special 411]	16.3	0.0093	0	0	0	0	0	0	16
Manganese and its compounds	[412]	7.0	0	0	0	0	0	0	7.0	0
Methacrylate	[415]	224.5	1.3	0	0	0	0	0	0.0050	223
Methyl methacrylate	[420]	154.4	1.4	0	0	0	0	0	0	153
Methylnaphthalene	[438]	7.0	0.034	0	0	0	0	0	0	6.9
Methylenebis (4,1-phenylene) = diisocyanate	[448]	1,455.4	0	0	0	0	0	5.0	0.17	1,429
		121,929.0	630	0.14	0	0	2.5	5	168	118,716

Index	Calculation Method
Volume of chemical substances handled	Volume of handling of substances subject to regulation by the PRTR Law Production sites and research institutes in Japan are subject to assessment
Volume of emissions / transfer of chemical substances	Volume of emission / transfer of chemical substances subject to regulation by the PRTR Law Volume of emissions = Volume of emissions into the air + Volume of emissions into public waters + Volume of emissions into the soil on-site + Volume disposed by burial on-site Transfer volume = Volume transferred to sewers + Volume transferred as waste material Covers production sites and research facilities in Japan
Volume of chemical substances subjected to detoxication	Volume of chemical substances subject to regulation by the PRTR Law subjected to detoxication Amount detoxified = Amount consumed in reaction + Amount consumed through combustion, etc. Covers production sites and research facilities in Japan

Chemical Substance Emission and Transfer Volumes (PRTR Law) / Japan



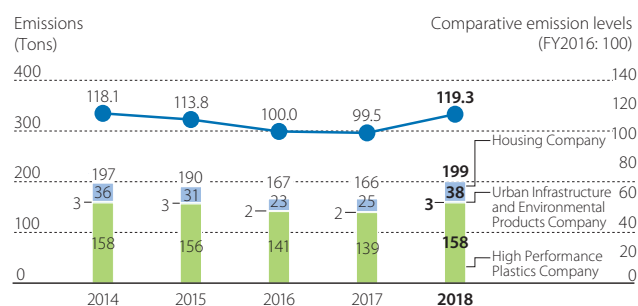
Discharge of Volatile Organic Compounds (VOCs) into the Atmosphere / Japan



Index	Calculation Method
Volume of emission / transfer of chemical substances	Volume of emission / transfer of chemical substances subject to regulation by the PRTR Law Volume of emission = Volume of emission into the atmosphere + Volume of emission into the public waters + Volume of emission into the soil on site + Volume disposed of as landfill; Volume of transfer = Volume discharged into sewage systems + Volume discharged as waste elsewhere Production sites and research institutes in Japan are subject to assessment

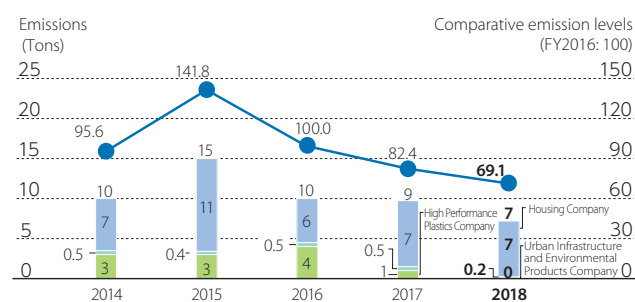
Index	Calculation Method
VOC emissions	Volume of emission into the atmosphere of volatile organic compounds (VOC) among the substances subject to regulation by the PRTR Law and Japan Chemical Industry Association

NOx Emissions / Japan



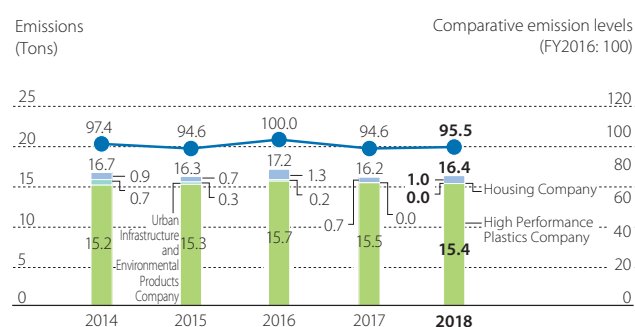
Index	Calculation Method
NOx emissions	NOx emissions = Σ (Amount of exhaust gas airflow per year x NOx concentration x 46/22.4)

SOx Emissions / Japan



Index	Calculation Method
SOx emissions	SOx emissions = Σ (amount of SOx per year x 64/22.4)

Soot and Dust Emissions / Japan



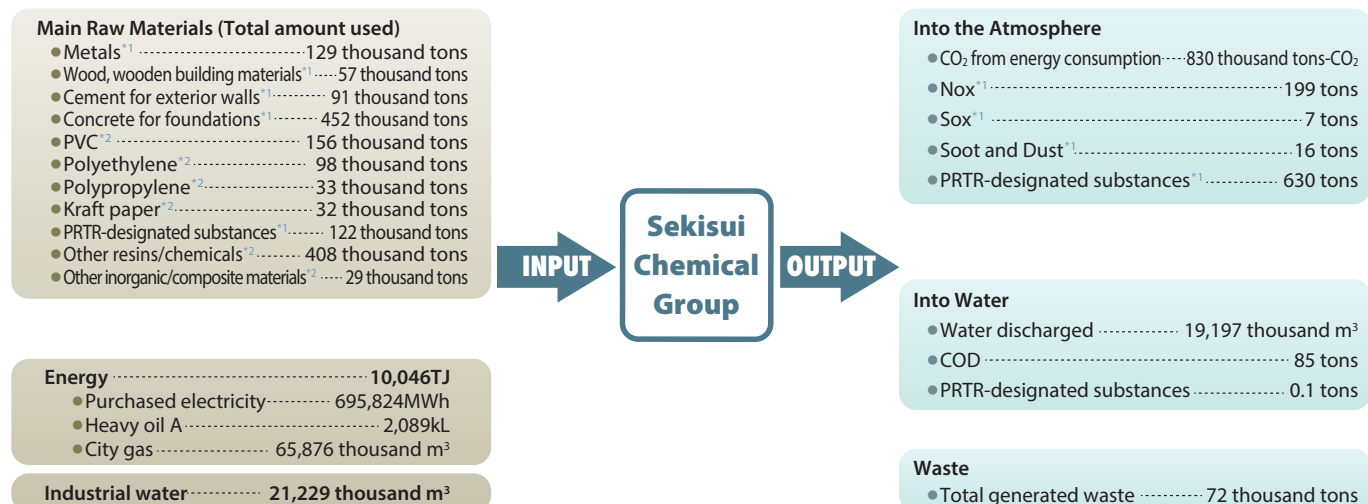
Some past figures have been revised due to improvements in precision.

Index	Calculation Method
Soot and Dust emissions	Soot and Dust emissions = Σ (amount of exhaust gas airflow per year x soot concentration)

Material Balance

Shows resources and energy used in business activities (input) and substances that constitute environmental impact (output) generated in connection with business activities.

Material balance



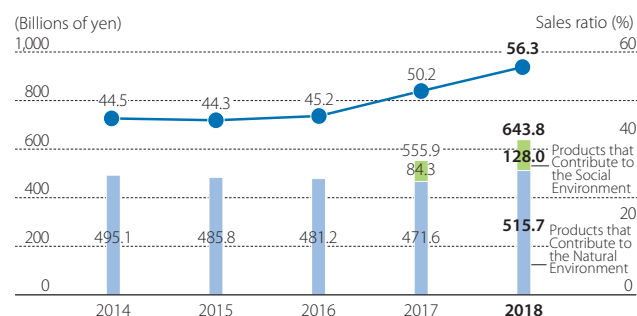
*1 The scope of tabulation for environmental performance data in Japan has been set as only those domestic business sites listed as falling within that scope.

*2 The following overseas business sites have been excluded from the scope of tabulation for environmental performance data.

Sekisui-SCG Industry Co., Ltd.
 S and L Specialty Polymers Co., Ltd.
 Sekisui Specialty Chemicals (Thailand) Co., Ltd.
 Youngbo HPP (Langtang) Co., Ltd.
 Sekisui High Performance Packaging (Langfang) Co., Ltd.
 Sekisui Medical Technology (China) Ltd.
 Sekisui Xenotech, LLC.
 Sekisui Diagnostics, LLC. San Diego
 Sekisui Diagnostics (UK) Ltd.
 Sekisui Diagnostics P.E.I. Inc.
 Sekisui DLJM Molding Private Ltd. Greater Noida Plant
 Sekisui DLJM Molding Private Ltd. Tapukara Plant
 Sekisui DLJM Molding Private Ltd. Chennai Plant
 PT. Adyawinsa Sekisui Techno Molding
 Sekisui Polymatech (Thailand) Co., Ltd.
 PT. Polymatech Indonesia
 Sekisui Polymatech (Shanghai) Co., Ltd.

Environment-Contributing Products

Net Sales / Proportion of Environment-Contributing Products



Revenue from Products That Contribute to the Environment Over Time

(Unit: Billions of yen)

	FY2014	FY2015	FY2016	FY2017	FY2018
Housing Company	305.8	280.6	290.9	317.6	364.3
Urban Infrastructure & Environmental Products Company	99.8	103.5	90.3	93.7	97.7
High Performance Plastics Company	88.1	99.8	99.4	142.2	178.9
Headquarters	1.4	1.8	0.6	2.4	2.8
Company-wide total	495.1	485.8	481.2	555.9	643.8

Index	Calculation Method
Net sales of Environment-contributing Products	Net sales of Environment-contributing Products = Consolidated sales across Sekisui Chemical Group of products internally certified as Environment-contributing Products All businesses of the Group in and outside Japan are subject to assessment Note: See pages 100-101 for a definition of Environment-contributing Products and the way of thinking behind them.
Proportion in net sales of Environment-contributing Products	Proportion in net sales of Environment-contributing Products = Net sales of Environment-contributing Products / Consolidated sales All businesses of the Group in and outside Japan are subject to assessment Note: See pages 100-101 for a definition of Environment-contributing Products and the way of thinking behind them.

Number of Environment-Contributing Products Newly Registered

Number of Environment-Contributing Products newly registered in FY2018	Number of registrations as of the end of March FY2019
18	160

Results from the JBIB Land Use Score Card®

	FY2017	FY2018
JBIB Land Use Score Card®	Increase by 2.6 points	Increased by 4.3 points



Index	Calculation method
Points of JBIB Land Use Score Card®	<p>JBIB Land Use Score Card® is a tool promoted by JBIB, which evaluates the level of effort to preserve biodiversity with respect to the land owned by the Company. It is a sheet for evaluation of every business site regarding the size and quality of its green space, management system, etc. on a scale from 0 to 100.</p> <p>We implement assessments of every business site for the fiscal year using the JBIB Land Use Score Card® and calculate the increase from the number of points it had in fiscal 2016. The index is the average value of the points increase of all business sites.</p>

SEKISUI Environment Week Participation Rate

	FY2017	FY2018
Participation rate in the SEKISUI Environment Week initiative	84.9%	88.1%



Index	Calculation method
Proportion of participants in the SEKISUI Environment Week initiative	Total number of participants in the SEKISUI Environment Week initiative / total number of employees in the business sites participating in the initiative x100

Rare Species Identified at Sekisui Chemical Group Facilities and Their Surroundings up to Fiscal 2018
(including out-of-area conservation*)

2019 Ministry of the Environment Red List	Category		Severity of Endangerment	Number of Species	Species Name	Classification	Confirmation Location
	Endangered IA Species	CR	High 	1	Rhodeus ocellatus kurumeus	Fish	Kyushu Sekisui Industry Co., Ltd.
	Endangered IB Species	EN		2	Hemigrammocyppris rasborella	Fish	Kyushu Sekisui Industry Co., Ltd.
					Abbottina rivularis		Kyushu Sekisui Industry Co., Ltd.
	Endangered II Species	VU		8	Haliaeetus albicilla	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.
					Argyronome laodice	Insect	Hokkaido Sekisui Heim Industry Co., Ltd.
							Sekisui Medical Co., Ltd. Iwate Office
					Anser fabalis	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.
					Cipangopaludina chinensis	Invertebrate	Sekisui Chemical Hokkaido Co., Ltd.
					Rumex longifolius	Plant	Sekisui Medical Co., Ltd. Iwate Office
					Rubus rosifolius	Plant	Sekisui Medical Co., Ltd. Iwate Office
					Cephalanthera falcata	Plant	Sekisui Heim Industry Co., Ltd. Kanto Office
							Chiba Sekisui Industry Co., Ltd.
					Oryzias latipes	Fish	Sekisui Heim Industry Co., Ltd. Tokyo Office
							SEKISUI SEIKEI CO., Ltd. Izumo Factory

* Out-of-area conservation: A method for protecting endangered species by sheltering them in safe facilities and increasing their numbers, avoiding extinction.

Rare Species Identified at Sekisui Chemical Group Facilities and Their Surroundings up to Fiscal 2018
(including out-of-area conservation*)

	Category		Severity of Endangerment	Number of Species	Species Name	Classification	Confirmation Location
2019 Ministry of the Environment Red List	Endangered II Species	NT		19	Anser albifrons	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.
					Gallinago hardwickii	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.
					Accipiter nisus	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.
					Lasius teranishii	Insect	Hokkaido Sekisui Heim Industry Co., Ltd.
					Radix auricularia japonica	Invertebrate	Sekisui Chemical Hokkaido Co., Ltd.
					Hydrophilidae	Insect	Sekisui Chemical Hokkaido Co., Ltd.
					Vallisneria natans	Plant	Sekisui Chemical Hokkaido Co., Ltd.
					Hynobius lichenatus	Amphibian	Sekisui Medical Co., Ltd. Iwate Office
					Paeonia japonica	Plant	Sekisui Medical Co., Ltd. Iwate Office
					Corydalis raddeana	Plant	Sekisui Medical Co., Ltd. Iwate Office
					Rana porosa porosa	Amphibian	Sekisui Heim Industry Co., Ltd. Tokyo Office
					Sasakia charonda	Insect	Chiba Sekisui Industry Co., Ltd.
					Calanthe discolor	Plant	Chiba Sekisui Industry Co., Ltd.
					Macromia daimoji	Insect	Sekisui Chemical Co., Ltd. Shiga-Minakuchi Plant
					Eupatorium japonicum	Plant	Sekisui Chemical Co., Ltd. Kyoto Research Institute
							Sekisui Chemical Co., Ltd. R&D Institute
					Biwia zezera	Fish	Kyushu Sekisui Industry Co., Ltd.
					Pandion haliaetus	Bird	Kyushu Sekisui Industry Co., Ltd.
					Ardea intermedia	Bird	Kyushu Sekisui Industry Co., Ltd.
					Salvia plebeia	Plant	Kyushu Sekisui Industry Co., Ltd.
Insufficient Information	DD		Low	2	Formica fukaii	Insect	Hokkaido Sekisui Heim Industry Co., Ltd.
					Ectemnius nitobei	Insect	Sekisui Medical Co., Ltd. Iwate Office

* Out-of-area conservation: A method for protecting endangered species by sheltering them in safe facilities and increasing their numbers, avoiding extinction.

Rare Species Identified at Sekisui Chemical Group Facilities and Their Surroundings up to Fiscal 2018
(including out-of-area conservation*)

Species Protected by the Act on Protection of Cultural Properties							
Category		Severity of Endangerment	Number of Species	Species Name	Classification	Confirmation Location	
Special Natural Treasure	SN	<div>High</div> <div></div> <div>Low</div>	1	Capricornis crispus	Mammal	Sekisui Medical Co., Ltd. Iwate Office	
Natural Treasure	N		4	Anser fabalis	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.	
				Anser albifrons	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.	
				Haliaeetus albicilla	Bird	Hokkaido Sekisui Heim Industry Co., Ltd.	
				Pica pica	Bird	Kyushu Sekisui Heim Industry Co., Ltd.	
						Kyushu Sekisui Industry Co., Ltd.	
			Sekisui Hinomaru Co., Ltd. Tosu Plant				
Prefecturally-Designated National Treasure	PN	1	Carassius auratus	Fish	SEKISUI SEIKEI CO., Ltd. Izumo Factory		

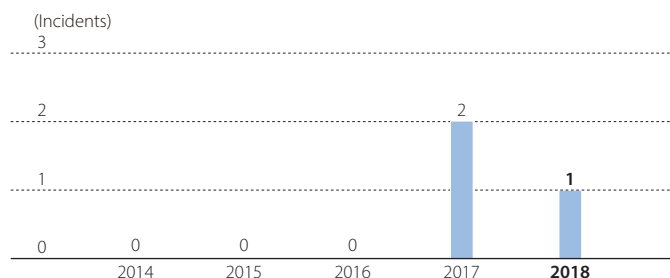
* Out-of-area conservation: A method for protecting endangered species by sheltering them in safe facilities and increasing their numbers, avoiding extinction.

Prominence in CS & Quality

Medium-term Plan

Data Concerning Major Quality Issues

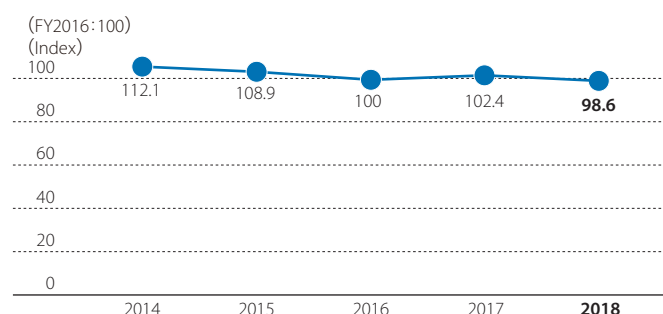
Number of Major Quality Issues



Indicator	Calculation Method
Major Quality Issues	<p>These refer to product and service quality issues determined by Headquarters or the divisional company presidents, based on evaluations and judgments by the quality assurance manager, which could cause significant damage to customers, society, or Sekisui Chemical Group and lead to the loss of society's trust in the Group if not thoroughly resolved on an urgent basis including:</p> <ol style="list-style-type: none"> 1) Problems that could have a serious impact on (or cause severe damage to) society, such as product recalls 2) All serious problems involving human safety and those acknowledged by the Divisional Company to be serious problems involving the safety of property 3) Compliance-related problems concerning the quality of products or services (e.g., those involving compliance with relevant laws and regulations) 4) Problems that could inflict serious financial damage on customers

Data Concerning External Failure Costs

External Failure Costs



Indicator	Calculation Method
External failure costs	Costs arising from responding to product-related complaints

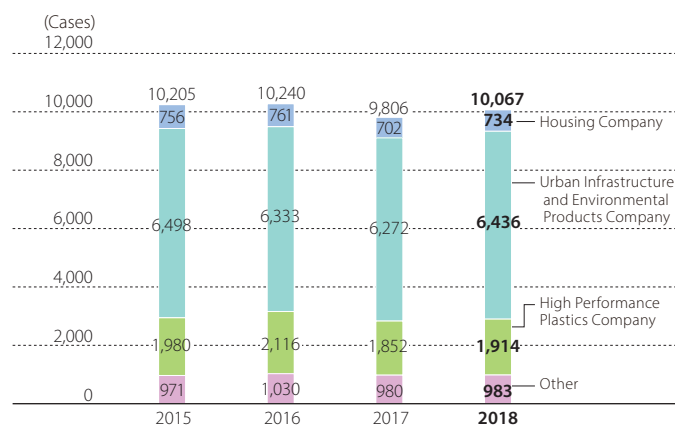
Attractive Qualities Screening System Results

	Number of Award-winning Products	Award-winning Products
First (Fiscal 2008)	Four Products	<ul style="list-style-type: none"> • Attractive Quality Award SPR method and materials • Attractive Quality Gold Award <ul style="list-style-type: none"> •S-LEC (sound and heat insulation, sound and heat insulation interlayer film) •SMART HEIM (advancing energy self-sufficient house) • Special Recognition Award Lineup of Eslo Hyper products (earthquakeresistant, high-performance polyethylene water pipes)
Second (Fiscal 2011)	Three Products	<ul style="list-style-type: none"> • Attractive Quality Award Comfortable Air System • Attractive Quality Gold Award <ul style="list-style-type: none"> •NORUDIA N •CALMMOON
Third (Fiscal 2014)	Four Products	<ul style="list-style-type: none"> • Attractive Quality Award Rapid-Tester™ RSV-Adeno • Attractive Quality Gold Award <ul style="list-style-type: none"> •Fire-resistant VP Pipe Piping System •Liquid crystal UV sealant •Smart Power Station
Fourth (Fiscal 2017)	Two Products	<ul style="list-style-type: none"> • Attractive Quality Gold Award <ul style="list-style-type: none"> •Energy self-sufficient housing Smart Power Station “100% Edition” •“Kucho Hyper CH” high-performance polyethylene tube for air conditioner piping <p>Note: Attractive Quality Award not applicable</p>

Indicator	Calculation Method
Attractive quality products	Products selected under the Attractive Qualities Screening System

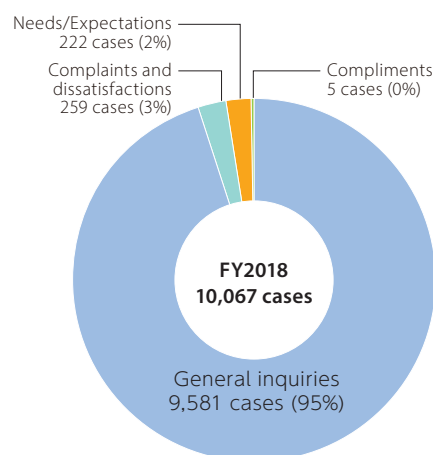
Data Related to Support Improvement at the Customer Consultation Office

Number of Incoming Calls, etc., from Customers



Indicator	Calculation Method
Number of incoming calls, etc.	Number of inquiries by telephone, email, letters, faxes, and other means

Breakdown of incoming calls (Sekisui Chemical)



Indicator	Calculation Method
Breakdown of incoming calls	<p>The subjects of incoming calls are recorded on "Insider Net" and categorized as follows:</p> <ul style="list-style-type: none"> •General inquiries: questions about Sekisui Chemical Group product specifications, how to use products, construction methods, stores selling the products, repairs, and related matters •Complaints and dissatisfactions: Incidents during which customers expressed their dissatisfaction or lodged rebukes concerning Sekisui Chemical Group products or support •Compliments: Calls during which praise was received for satisfaction with the Sekisui Chemical Group's products or support •Needs and expectations: What customers require of Sekisui Chemical Group products and services (product improvements and new products, etc.), and inquiries relating to business activities, or comments on what is expected of Sekisui Chemical Group <p>Note: "Insider Net": A Sekisui Chemical Group intranet site on which incoming calls to the Customer Consultation Office are released in real-time.</p>

Data Relating to Employee CS & Quality Assessments in Japan

Employees in Japan Outline of CS & Quality Assessments

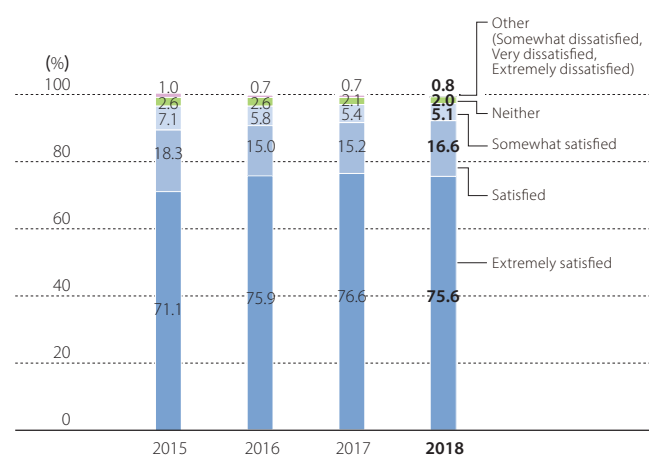
	Total Number of Responses	Number of Bases Visited to Give Feedback
FY2012	8,399	—
FY2014	8,957	63
FY2016	16,243	94
FY2018	19,765	100

The number of bases visited is calculated on the basis of offices with the same address excluding Headquarters and research institutes.

For example: Visits to Tokyo Sekisuiheim Co., Ltd. and Tokyo Sekisui Famis Co., Ltd., which have the same address, are counted as one base.

Data Relating to Customer Surveys

CS Questionnaire 7-Step Evaluation (Housing Company)



Business Sites That Have Received Third-party Certification for Their Quality Management Systems

Housing Company

Sekisui Chemical Co., Ltd. Housing Company (integrated certification)

Housing Product Research & Development Department
Technology & CS Promotion Department
Administrative Management & Control Department
Information Systems Group
Hokkaido Sekisui Heim Industry Co., Ltd.
Tohoku Sekisui Heim Industry Co., Ltd.

Sekisui Heim Industry Co., Ltd.

Tokyo Site

Kanto Site

Chubu Site

Kinki Site

Chushikoku Sekisui Heim Industry Co., Ltd.

Kyushu Sekisui Heim Industry Co., Ltd.

Sekisui Global Trading Co., Ltd.

Sekisui Heim Supply Co., Ltd. Technology Department

Sekisui Board Co., Ltd.

Urban Infrastructure and Environmental Products Company

Sekisui Chemical Co., Ltd. Gunma Plant

Sekisui Chemical Co., Ltd. Shiga-Ritto Plant

Sekisui Aqua Systems Co., Ltd. Plant

Engineering Division / Water Supply & Drainage Division

Sekisui Home Techno Co., Ltd.

East Japan Sekisui Industry Co., Ltd.

Sekisui Seikei, Ltd.

Yamanashi Sekisui Co., Ltd.

Sekisui Chemical Hokkaido Co., Ltd.

Toto Sekisui Co., Ltd. Headquarters, Ota Plant

Chiba Sekisui Industry Co., Ltd.

Okayama Sekisui Industry Co., Ltd.

Shikoku Sekisui Industry Co., Ltd.

Kyushu Sekisui Industry Co., Ltd.

Sekisui Pipe Renewal B.V.

SEKISUI Polymer Innovations, LLC.

Bloomsburg Plant

SEKISUI Polymer Innovations, LLC.

Holland Plant

SEKISUI Rib Loc Australia Pty. Ltd.

SEKISUI ESLON B.V.

Sekisui Refresh Co., Ltd.

Sekisui (Shanghai) Environmental

Technology Co., Ltd.

Sekisui (Wuxi) Plastics Technology Co., Ltd.

Sekisui (Qingdao) Plastic Co., Ltd.

Sekisui Industrial Piping Co., Ltd.

Headquarters

Sekisui Chemical Co., Ltd. R&D Center, LB Project
ENAX, Inc.

Tokuyama Sekisui Co., Ltd.

Sekisui Medical Co., Ltd. (headquarters)

Sekisui Diagnostics, LLC.

Sekisui Diagnostics, LLC. San Diego

Sekisui Diagnostics P.E.I. Inc.

Sekisui Diagnostics (UK) Ltd.

Sekisui Medical Technology (China) Ltd.

High Performance Plastics Company

Sekisui Chemical Co., Ltd. Musashi Plant

Sekisui Chemical Co., Ltd. Shiga-Minakuchi Plant

Sekisui Chemical Co., Ltd. Taga Plant

Sekisui Chemical Co., Ltd. Tsukuba Site / IM Project

Sekisui Techno Molding Co., Ltd. Aichi Plant

Sekisui Techno Molding Co., Ltd. Nara Plant

Sekisui Techno Molding Co., Ltd. Mie Plant

Sekisui Polymatech Co., Ltd.

Sekisui Nano Coat Technology Co., Ltd.

Sekisui Fuller Company, Ltd. (integrated certification)

Hamamatsu Plant

Shiga Plant

Tokyo Office

Osaka Office

Sekisui Material Solutions Co., Ltd.

Sekisui Soflan Wiz Co., Ltd.

Sekisui High Performance Packaging
(Langfang) Co., Ltd.

Sekisui Voltek, LLC. Lawrence Plant

Sekisui Voltek, LLC. Coldwater Plant

Sekisui Alveo A.G.

Sekisui Alveo G.m.b.H.

Sekisui Alveo (Benelux) B.V.

Sekisui-Alveo S.A.

Sekisui Alveo S.r.L.

SEKISUI Alveo BS G.m.b.H.

Sekisui Alveo Ltd.

Sekisui-Alveo B.V.

Youngbo Chemical Co., Ltd.

Thai Sekisui Foam Co., Ltd.

Sekisui Pilon Plastics Pty. Ltd.

Sekisui S-Lec America, LLC.

Sekisui S-Lec B.V.

Sekisui S-Lec (Suzhou) Co., Ltd.

Sekisui S-Lec (Thailand) Co., Ltd.

Sekisui S-Lec Mexico S.A. de C.V.

Sekisui Specialty Chemicals America, LLC.

Calvert City Plant

Sekisui Specialty Chemicals America, LLC.

Pasadena Plant

Sekisui Specialty Chemicals (Thailand) Co., Ltd.

Sekisui Specialty Chemicals America, LLC.

Dallas HQ

Sekisui Specialty Chemicals Europe, S.L.

Tarragona Plant

SEKISUI Polymatech (Shanghai) Co., LTD.

SEKISUI Polymatech (Thailand) Co., LTD.

PT. SEKISUI Polymatech Indonesia

S and L Specialty Polymers Co., LTD

SEKISUI DLJM Molding Pvt. Ltd Chennai

SEKISUI DLJM Molding Pvt. Ltd Gr. Noida

SEKISUI DLJM Molding Pvt. Ltd Tapukara

PT. ADYAWINSA SEKISUI Techno Molding

Other Data

	FY2016	FY2017	FY2018
Number of participants in the Development Risk Prevention Seminar	302	418	502
Number of participants in the DR Reviewer Training Seminar	166	259	283
Participants in employee grade-based training system for managers in production departments	2,252	2,768	3,174

	FY2016	FY2017	FY2018
Number of people with QC Certification	4,103	4,228	4,337

Prominence in Human Resources

Building a Diverse Organizational Structure

Educational Programs on Diversity Management Implementation

	FY2016	FY2017	FY2018
Number of participants in programs	1,168	1,723	1,736

Career Plan Training by Age

	FY2016	FY2017	FY2018
Number of participants at career plan training	1,276	1,429	1,745

Project to Develop a Workplace in Which All Employees Can Excel

	FY2017	FY2018
Number of organizations engaged in activities	159 organizations	178 organizations

Organizations: Organizations linked to management at Sekisui Chemical subsidiary companies in Japan

Allowing Diverse Human Resources to Excel (Depending on the Individual Career Orientation)

Results from Main Recruitment-type Training Programs

Name of Training Program	Numbers of Attendees in FY2015	Numbers of Attendees in FY2016	Numbers of Attendees in FY2017	Numbers of Attendees in FY2018
The Saijuku School	34	33	37	27
Innovation School	70	72	58	86

Follow-up Training for New, Mid-career Employees

	FY2016	FY2017	FY2018
Number of training participants	45	87	60

Results of Intra-Group Job Postings

	FY2016	FY2017	FY2018	Cumulative Total since FY2000
Number of recruitment cases	44	46	46	477
Number of employees recruited	149	130	140	1,218
Number of applicants	83	98	115	1,848
Number of employees transferred	12	18	26	369

Career Path Support System

(Number of people)

		FY2017	FY2018
Course conversion system	Men	14	9
	Women	2	2
Permanent, full-time employee conversion system	Men	5	3
	Women	11	7

Allowing Diverse Human Resources to Excel (Gender)

Number of Women in Management Positions and Ratio of Women to Total Hires

Number of Women Directors and Managers

	FY2017	FY2018
Number of women directors (Sekisui Chemical Group)	2	2
Number of women in management positions (Sekisui Chemical Group in Japan)	138	160

Ratio of Women to Total Hiresn (Sekisui Chemical Group in Japan)

Note: Includes certain affiliates accounted for by the equity method and non-consolidated subsidiaries.

	Entered in FY2015	Entered in FY2016	Entered in FY2017	Entered in FY2018
Ratio of women to total hires (%)	26.5	31.3	29.8	29.7

Career Development Program for Women

		FY2016	FY2017	FY2018
Number of program attendees	Women	90	58	35
	Superiors	77	44	31

Main Systems Allowing Various Workstyles and Their Use

(Number of people)

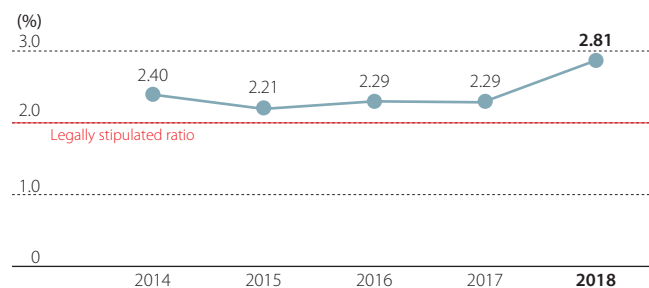
Name of system	Main content		FY2015	FY2016	FY2017	FY2018
Childcare leave	Can be taken until the end of the month in which the child reaches three years of age. (The statutory end date is until the child reaches two years of age.)	Women	18	22	30	32
		Men	12	14	20	28
		Total	30	36	50	60
Shortened working hours for childcare	Can be extended until the child starts fourth grade. (The statutory end date is until the child reaches three years of age.)	Women	30	30	34	41
		Men	0	0	0	2
		Total	30	30	34	43
Use of flexible working hours	Times of starting and finishing work may be moved earlier or later by up to 60 minutes until the child reaches junior high school age.	Women	3	6	8	9
		Men	0	1	6	4
		Total	3	7	14	13
Nursing care leave	Up to a total of 93 days for each individual eligible for care (Up to a maximum of one year for the first individual eligible for care)	Women	1	0	1	0
		Men	0	2	3	4
		Total	1	2	4	4
Shortened working hours for nursing care	Two days per week or 4.5 hours per day for a maximum of three years for each individual eligible for care	Women	0	0	0	0
		Men	0	1	2	2
		Total	0	1	2	2
Family leave	Three days of special care leave per year granted until the child or grandchild starts high school.	Women	40	43	48	62
		Men	73	77	101	146
		Total	113	120	149	208

		FY2017	FY2018
Employees whose babies were newborns	Women	14	21
	Men	101	111
	Total	115	132
Employees who took childcare leave	Women	11	15
	Men	17	25
	Total	28	40
Ratio of those who took childcare leave (excludes those who are taking maternity leave) (%)	Women	100	100
	Men	16.8	22.5
Employees who returned to work after childcare leave	Women	12	15
	Men	19	27
	Total	31	42
Ratio of those who returned to work after childcare leave	Women	91.6	100
	Men	100	100
Retention rate after one year of those who returned to work after having taken childcare leave (%)	Women	100	100
	Men	100	94.7

Allowing Diverse Human Resources to Excel (People with Disabilities)

Employment Ratio of People with Disabilities (Sekisui Chemical)

Note: Including Special Provision Subsidiary (as of March 2018)



Indicator	Calculation method
Employment ratio of people with disabilities	(Number of regular workers who have physical or mental disabilities ÷ Number of regular workers) × 100

Brainstorming Sessions on Employment of People with Disabilities

(Number of Participating Companies)

	FY2016	FY2017	FY2018
Action plan seminar for hiring people with disabilities	23	27	14
Workplace improvement and operational review program	—	42	11
Short-term intensive program on hiring people with disabilities	—	—	12

Allowing Diverse Human Resources to Excel (Age)

Number of Elderly Employees Reemployed and Reemployment Rate (Sekisui Chemical)

	FY2015	FY2016	FY2017	FY2018
Number of elderly employees reemployed	104	65	21	49
Reemployment rate (%)	82.5	83.3	63.6	76.6

Note: The reemployment rate for applicants is 100%.

Indicator	Calculation method
Reemployment of elderly employees	$\frac{\text{Number of reemployed elderly employees}}{\text{number who have reached mandatory retirement age}} \times 100$ <p>(Number who have reached mandatory retirement age includes those who do not wish to be reemployed)</p>

Career Plan Training by Age

	Young Employees	In Their 30s	40s	50s	57	Total Number of Participants
Number of participants in FY2017	107	311	360	535	116	1,429
Number of participants in FY2018	117	321	383	609	315	1,745

Allowing Diverse Human Resources to Excel (Global)

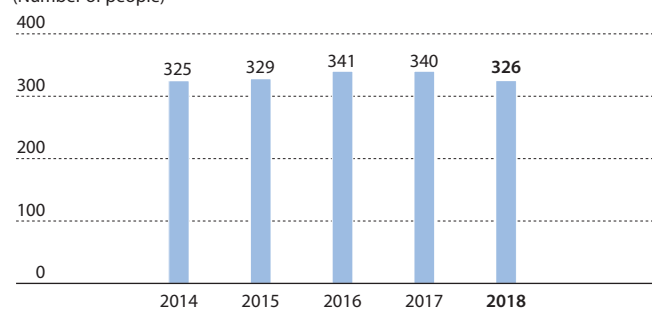
Breakdown of Number of Employees (Sekisui Chemical Group)

(Number of people)

Number of employees		26,486
Breakdown by region		
	Japan	19,464
	The Americas	1,494
	Europe	958
	Asia/Pacific	4,570

Number of Japanese Global Talent Employees

(Number of people)



Indicator	Calculation method
Global talent employees	Japanese employees with overseas assignment experience

Number of Participants in the Global Trainee Program

	FY2017	FY2018
Number of participants	10	21

Average Hours per FTE of Training and Development (Sekisui Chemical)

	FY2017	FY2018
Average hours per FTE of training and development	9.9 hours	9.4 hours

Note: Educational programs held at Sekisui Chemical's Human Resources Department at Headquarters

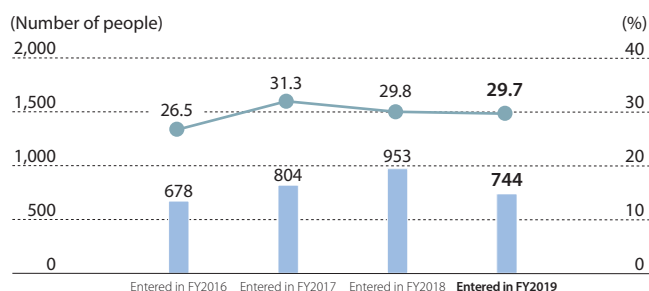
Training Programs Common to Entire Company to Improve Group-wide Human Resources Capabilities

(Number of people)

	FY2017	FY2018
New employee induction training	223	251
Training for newly appointed managers	245	210

Number of New-graduate Hires / Ratio of Women among New-Graduate Hires (Sekisui Chemical Group in Japan)

Note: Includes certain affiliates accounted for by the equity method and non-consolidated subsidiaries.



Employee Turnover Rate in First Three Years of Employment (Sekisui Chemical)

	Entered in FY2013	Entered in FY2014	Entered in FY2015	Entered in FY2016
Employee turnover rate in first three years of employment (%)	10.7	7.4	8.0	1.8

Indicator	Calculation method
Employee turnover rate in first three years of employment (%)	Employee turnover rate in first three years of employment for each fiscal year

| Sekisui Chemical

		FY2015	FY2016	FY2017	FY2018
Employees* ¹	Men (number of people)	3,233	3,239	3,290	3,330
	Women (number of people)	445	490	533	587
	Ratio of women (%)	12.1	13.1	13.9	15.0
Permanent, full-time employees* ²	Men (number of people)	2,991	2,955	3,005	3,071
	Women (number of people)	403	441	483	532
	Ratio of women (%)	11.9	13.0	13.8	14.8
Average years of continuous employment* ²	Men (number of people)	19.9	18.1	17.7	17.3
	Women (number of people)	15.4	14.3	13.7	13.2
New graduates hired* ³	Men (number of people)	74	77	90	114
	Women (number of people)	39	35	39	39
	Ratio of women (%)	34.5	31.3	30.2	25.5
Employees hired mid-career* ³	Men (number of people)	40	39	70	46
	Women (number of people)	3	5	6	9
	Ratio of women (%)	7.0	11.4	7.9	16.4
Managerial positions (managers)	Men (number of people)	697	696	689	685
	Women (number of people)	21	24	27	30
	Ratio of women (%)	2.9	3.3	3.8	4.2
Managerial positions (department managers and general managers)	Men (number of people)	602	597	612	637
	Women (number of people)	11	11	14	14
	Ratio of women (%)	1.8	1.8	2.2	2.2
Managerial positions	Men (number of people)	1,299	1,293	1,301	1,322
	Women (number of people)	32	35	41	44
	Ratio of women (%)	2.4	2.6	3.1	3.2
Employees newly appointed to managerial positions	Men (number of people)	46	46	53	63
	Women (number of people)	5	1	6	3
	Ratio of women (%)	9.8	2.1	10.2	4.5

*1 Workers with direct employment relationships with the Group (including permanent, full-time employees and non-regular employees as well as workers on loan from the Group to other companies but excluding workers on loan from other companies to the Group)

*2 Employees with no determined period of employment (including workers on loan from the Group to other companies but excluding workers on loan from other companies to the Group)

*3 Number of employees, who joined the Group from April to March of the following year (Employees with no determined period of employment)

All Consolidated Subsidiaries in Japan

		FY2015	FY2016	FY2017
Employees	Men (number of people)	15,619	15,684	16,136
	Women (number of people)	4,313	4,394	4,702
	Ratio of women (%)	21.6	21.9	22.6
New graduates hired	Men (number of people)	453	395	486
	Women (number of people)	176	145	211
	Ratio of women (%)	28.0	26.9	30.3
Managerial positions (managers)	Men (number of people)	2,763	2,843	2,922
	Women (number of people)	84	92	118
	Ratio of women (%)	3.0	3.1	3.9
Managerial positions (department managers and general managers)	Men (number of people)	1,512	1,520	1,534
	Women (number of people)	18	23	22
	Ratio of women (%)	1.2	1.5	1.4
Managerial positions	Men (number of people)	4,275	4,363	4,456
	Women (number of people)	102	115	140
	Ratio of women (%)	2.3	2.6	3.0
Management personnel (frontier leaders)	Men (number of people)	204	167	167
	Women (number of people)	1	4	5
	Ratio of women (%)	0.5	2.3	2.9
Employees newly appointed to managerial positions	Men (number of people)	160	180	215
	Women (number of people)	15	7	29
	Ratio of women (%)	8.6	3.7	11.9

Note: Data for fiscal 2018 is calculated based on current statistics as of June 2019.

Age Composition of Permanent, Full-time Employees* in Fiscal 2018 (Sekisui Chemical)

		Less than 30 years old	30 to 39 years old	40 to 49 years old	50 to 59 years old	60 and above
Number of permanent, full-time employees by age	Men	449	540	1,031	1,018	33
	Women	162	104	142	119	5

Note: Employees with no determined period of employment (including workers on loan from the Group to other companies but excluding workers on loan from other companies to the Group)

Employee turnover in Fiscal 2018 (Sekisui Chemical)

	Men	Women	Total
Employee turnover (number of people)	42	13	55
Employee turnover rate (%)	1.4	2.4	1.5

Indicator	Calculation method
Employee turnover rate	(Employee turnover (number of people) in Fiscal 2018 / Number of employees as of April 2018) x 100

Note: Excluding those who retired after reaching the mandatory retirement age and those who moved to another company of the Group

Note: Employees with no determined period of employment (including workers on loan from the Group to other companies but excluding workers on loan from other companies to the Group)

Amount of Overtime Work* (Sekisui Chemical)

	FY2015	FY2016	FY2017	FY2018
Monthly average per employee (hours)	17.5	19.2	19.9	19.9

* Calculated on the basis of a prescribed number of working hours of 7.5 hours.

Paid Vacation Day Utilization Rate (Sekisui Chemical)

	FY2015	FY2016	FY2017	FY2018
Average per employee (%) (Excluding managers)	46.4	45.9	51.1	64.0

Average Number of Paid Vacation Days Taken (Sekisui Chemical)

	FY2015	FY2016	FY2017	FY2018
Average per employee (days) (Excluding managers)	8.8	8.7	9.6	12.1

Stress-check Examination Rate

	FY2016	FY2017	FY2018
Examination Rate (%)	72.0	81.9	87.1

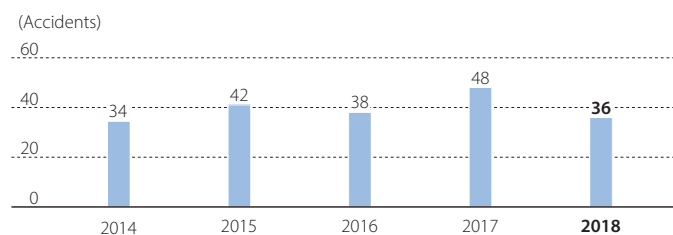
Note: Scope of stress-check implementation: Companies that are members of the Sekisui Health Insurance Association (including some affiliates)

Safety Performance

Japan

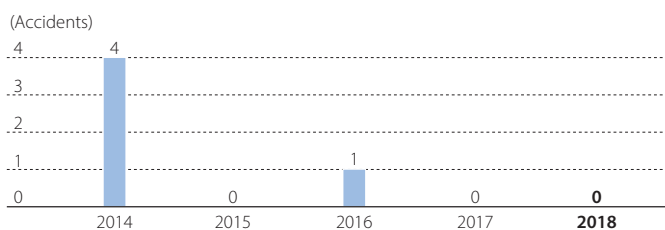
Aggregate scope: 48 production sites and 5 research institutes in Japan

Number of Occupational Accidents



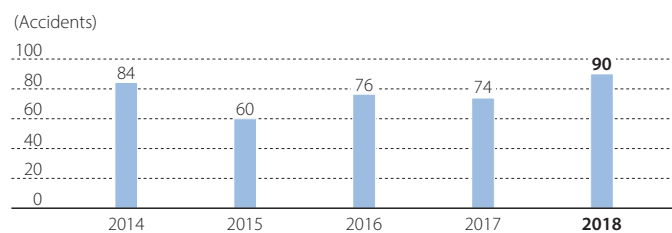
Indicator	Calculation Method
Number of occupational accidents	The number of occupational accidents (both those resulting in lost time and those not) occurring during a given fiscal year (April through the following March)

Number of Facility Accidents



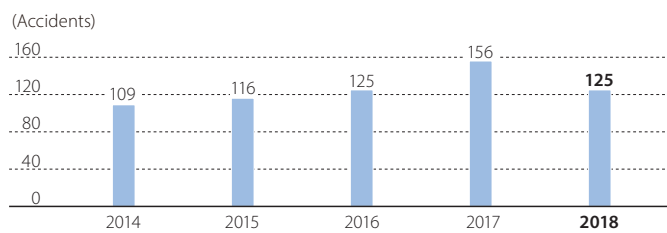
Indicator	Calculation Method
Number of Facility Accidents	<p>The number of incidents of malfunctioning (fires, leaks, etc.) at facilities that fulfill at least one of the following criteria (Sekisui Chemical Group criteria), from (1) to (3), occurring during a given fiscal year (April through the following March)</p> <p>(1) Human harm: An accident causing at least 30 days' lost work</p> <p>(2) Material harm: 10,000,000 yen or greater</p> <p>(3) Opportunity loss: 20,000,000 yen or greater</p>

Number of Long-term Sick Leave



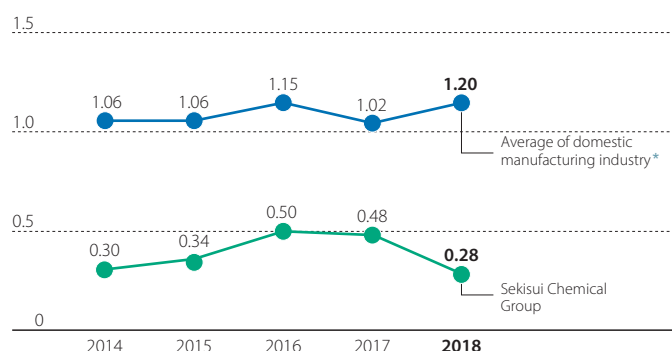
Indicator	Calculation Method
Number of Cases of Long-Term Sick Leave	Describes leave of 30 days or more consecutively for sickness or injury occurring in a Japanese production sites or research institutes during the given fiscal year (April to the following March), and which is newly-occurring. Recurrences within 6 months of the start of work attendance are not counted. However, absences caused by industrial accidents are not classified as long-term sick leave.

Number of Commuting Accidents



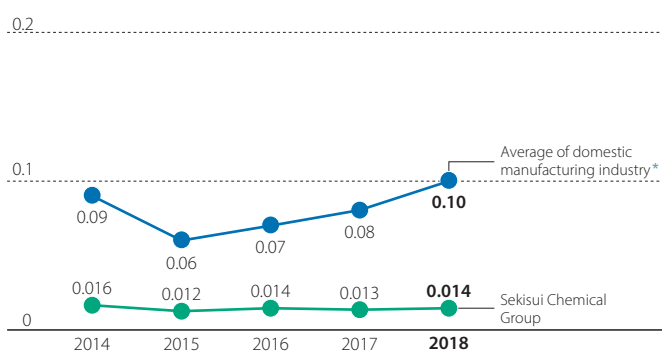
Indicator	Calculation Method
Number of commuting accidents	The number of accidents occurring during commutes to Japanese production sites and research institutes during a given fiscal year (April to the following March); includes injury to others, injury to the commuter, him or herself, damage to the commuter's own vehicle, and physical damage occurring while operating an automobile or other vehicle

Frequency Rate Over Time



*Source of information for Japanese manufacturing industry: Ministry of Health, Labour and Welfare, Survey on Occupational Accidents

Severity Rate Over Time

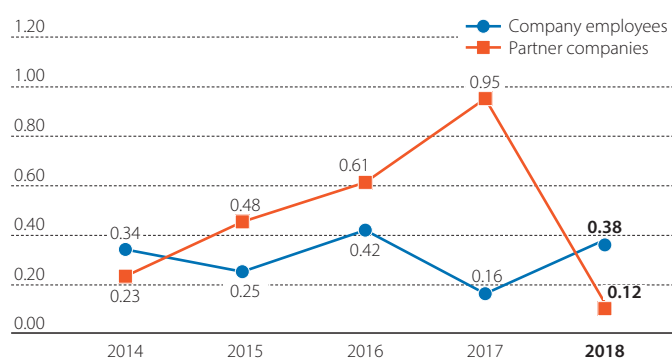


*Source of information for Japanese manufacturing industry: Ministry of Health, Labour and Welfare, Survey on Occupational Accidents

Indicator	Calculation Method
Frequency rate	<p>The total number of injuries, illness and fatalities in occupational accidents with lost time per 1,000,000 hours of total time worked during a given fiscal year (April through the following March)</p> <p>Formula for calculation: (Number of injuries, illness and fatalities in occupational accidents with lost time / total number of man-hours worked) × 1,000,000</p>

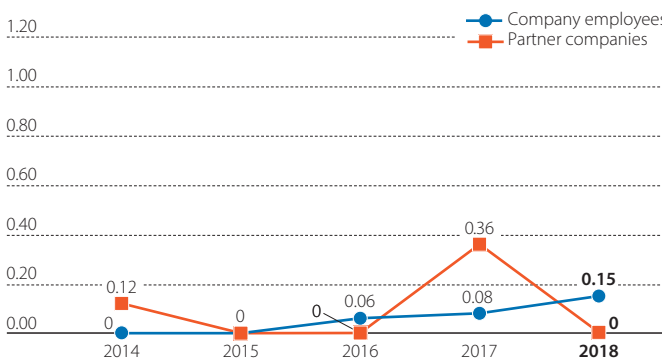
Indicator	Calculation Method
Severity rate	<p>The total number of days of work lost per 1,000 hours of total time worked during a given fiscal year (April through the following March)</p> <p>Formula for calculation: (Number of days of work lost / total number of man-hours worked) × 1,000</p>

Lost Time Injury Frequency Rate (LTIFR)



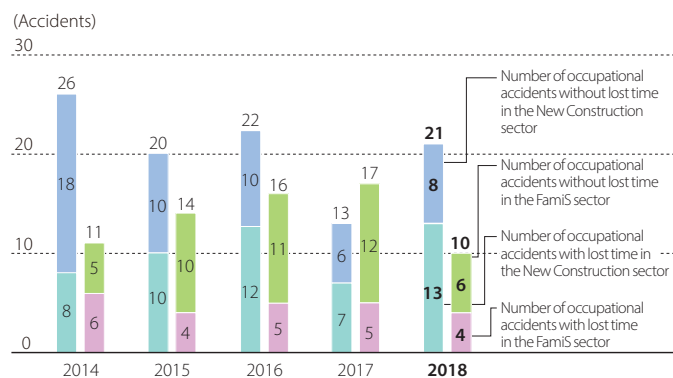
Indicator	Calculation Method
Lost Time Injury Frequency Rate	<p>(Number of accidents causing sick leave / total number of man-hours worked) × 1,000,000</p>

Occupational Illness Frequency Rate (OIFR)



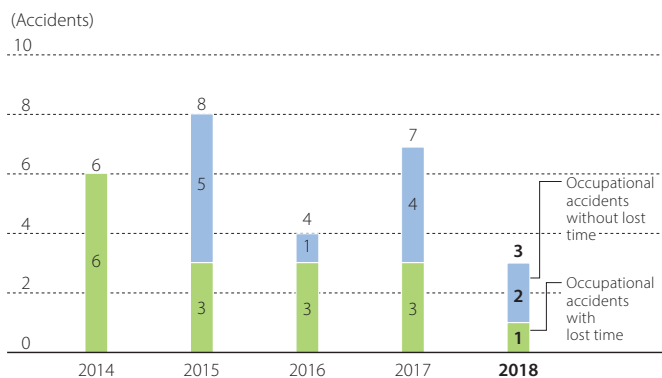
Indicator	Calculation Method
Occupational Illness Frequency Rate	<p>(Occupational illnesses / total number of man-hours worked) × 1,000,000</p> <p>Occupational illnesses as defined by the Ministry of Health, Labour and Welfare, including heat stroke, lower back pain, and intoxication by chemical substances</p>

Safety Performance In the Housing Company's Construction Sites



Indicator	Calculation Method
Safety performance on the Housing Company's construction sites	The number of occupational accidents (both those resulting in lost time and those not) occurring on construction sites under the jurisdiction of the Housing Company during a given fiscal year (April through the following March)

Safety Performance with Respect to Construction Sites in the Urban Infrastructure & Environmental Products Company



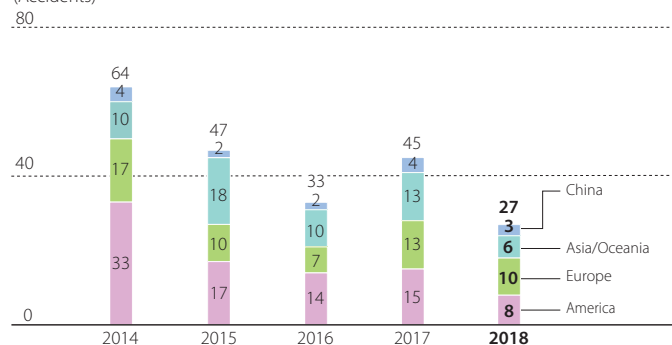
Indicator	Calculation Method
Safety Performance with Respect to Construction Sites in the Urban Infrastructure & Environmental Products Company	The number of occupational accidents (both those resulting in lost time and those not) occurring on construction sites under the jurisdiction of the Urban Infrastructure & Environmental Products Company or the Sekisui Chemical company headquarters during a given fiscal year (April through the following March)

Overseas

Aggregate scope: 46 production sites and 1 research institute overseas

Number of Occupational Accidents

(Accidents)



* Past fiscal year data has been partially revised in line with the details survey of overseas business sites.

Indicator	Calculation Method
Occurrence of occupational accidents at overseas production sites and research institutes	The number of occupational accidents (both requiring and not requiring time off from work) occurring at overseas production sites and research institutes during a given fiscal year (April through the following March)

Japan and Overseas

Aggregate scope:

48 production sites , 5 research institutes and 34 construction offices in Japan

46 production sites and 1 research institute overseas

Occurrence of fatalities due to occupational accidents

(Number of people)

		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Employees		0	0	0	0	0
	Japan	0	0	0	0	0
	Overseas	0	0	0	0	0
Partner Companies		1	1	0	0	0
	Japan	1	1	0	0	0
	Overseas	0	0	0	0	0
Total		1	1	0	0	0

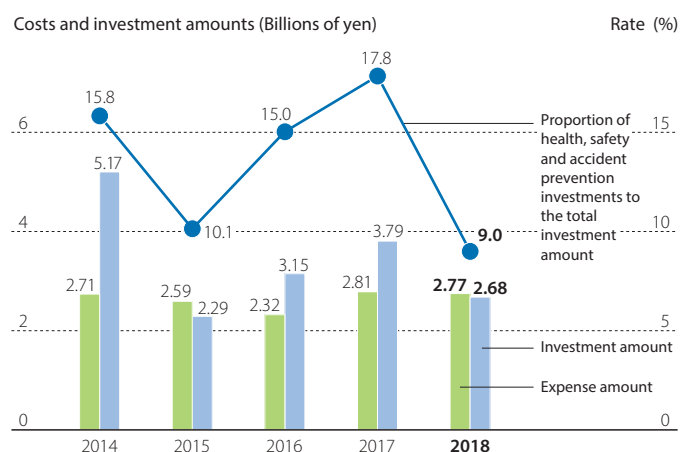
Health and Safety / Accident Prevention Costs

Aggregate Scope: 48 Domestic Japanese Production Sites and 5 Research Institutes, Headquarters, Back Offices of Division Companies

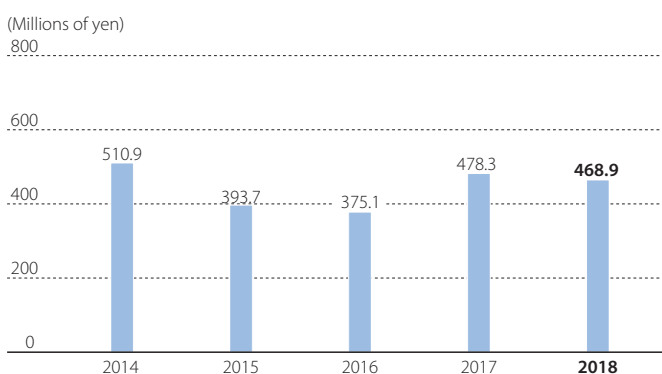
Health and Safety / Accident Prevention Costs

		(Millions of yen)	
Item		Sekisui Chemical Group	
Classification	Details	Expense amount	Investment amount
1) Costs within business site areas	Health and safety measures, rescue and protective equipment, measurement of work environment, health management, workers' accident compensation insurance, etc.	946	2,676
2) Administrative costs	Establishment and implementation of OHSMS, safety education, personnel costs, etc.	1,814	—
3) Other	Safety awards, etc.	6	—
Total		2,766	2,676

Costs and Investments Over Time



Loss Costs Over Time



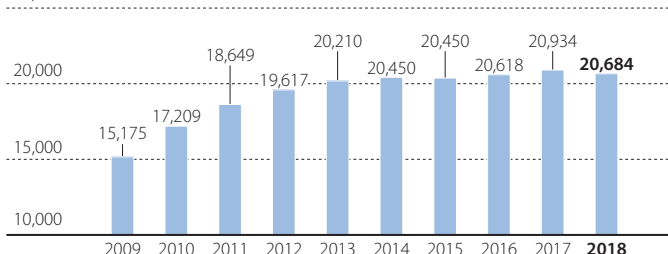
Indicator	Calculation Method
Investment amounts	The amount invested in health and safety and accident prevention-related measures authorized during a given fiscal year (April through the following March)

Indicator	Calculation Method
Loss costs	The costs of responding to, and the labor costs incurred due to, occupational accidents, facility accidents, commuting accidents, and long-term sick leave due to illness occurring within a given fiscal year (April through the following March)

Employees Using the e-learning System Over Time

Employees Using the e-learning System Over Time

(Number of participants)
25,000



* Average values for four sessions conducted in each year. However, the third and fourth sessions were underway during fiscal year 2018 when this chart was created, so the average value for sessions one and two is provided for that year.

* With the exception of overseas local hires, all Sekisui Chemical and Sekisui Chemical Group employees are required to take part in e-learning programs.

List of Results Relating to Compliance Training

Fiscal Year 2018 List of Results Relating to Compliance Training

Training	Training content	Trainees			Attendance	
		Sekisui Chemical Co., Ltd.	Group companies			
			Domestic	Overseas		
Regular training	Training for new employees	○	○		143	
	Training for new managers	○	○		210	
Training for specific employee ranks	Training for employees in their 3rd year		○		19	
	Newly appointed senior management training	○	○		48	
	Newly appointed assistant manager training	○	○		200	
	Newly appointed executive officer training	○			4	
	Executive officer training	○			29	
	Affiliated company full-time directors training		○		48	
	Training for new auditors at affiliated companies		○		11	
	Training for those responsible for management		○		14	
	Training for those responsible for compliance	○			29	
	Training for compliance promotion committee members	○			19	
	Training for auditing office supervisors	○	○		58	
	Area-specific training	Compliance training	○	○		1263
		Harassment preventing training	○	○		722
		Export controls training	○	○		240
Area-specific training	Act against Delay in Payment of Subcontract Proceed, etc. to Subcontractors training	○	○		154	
	Bribery prevention training	○			48	
	Training in Act against Unjustifiable Premiums and Misleading Representations		○		47	
	Stamp Tax Act training	○			30	
	Risk management training		○		257	
	Mental health training	○	○		26	
	Accounting training	○	○		17	
	Human rights training		○		168	
	Contract fundamentals training	○	○		40	
	Information management training		○		43	
	Global training	Training for prior to overseas transfers	○	○		29
		Compliance training			○	34
	Compliance Reinforcement Month	Domestic training	○	○		1102
		North America training			○	711
China training				○	446	
Southeast Asia training				○	275	
Europe training				○	40	

Number of Whistleblowing Cases and Consultations

Fiscal Year 2018 Number of Whistleblowing Cases and Consultations

Reports/consultations	Number of cases
Power harassment	44
Working conditions	34
Sexual harassment	6
Workplace environmental concerns	7
Misuse of expenses	5
Sales methods related	0
Misrepresentation of work performance	2
Incidents with business partners	0
Others	14
Total number of complaints	112

Donations

Donations Relating to Governmental Policies

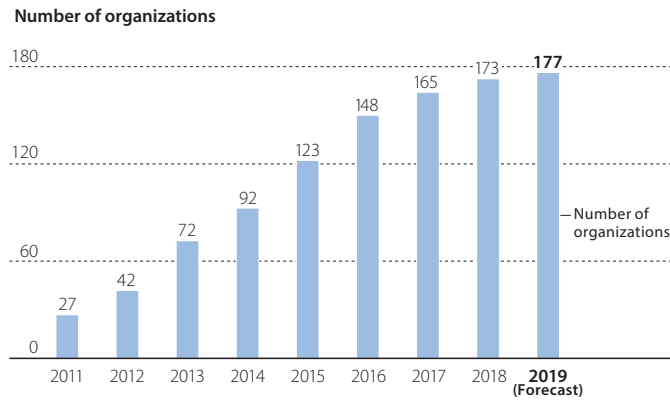
Donations (made by Sekisui Chemical non-consolidated) to industry bodies and political groups for fiscal 2014 to fiscal 2018 are as follows:

(Thousands of yen)

FY2014	FY2015	FY2016	FY2017	FY2018
18,681	18,936	19,050	22,909	23,596

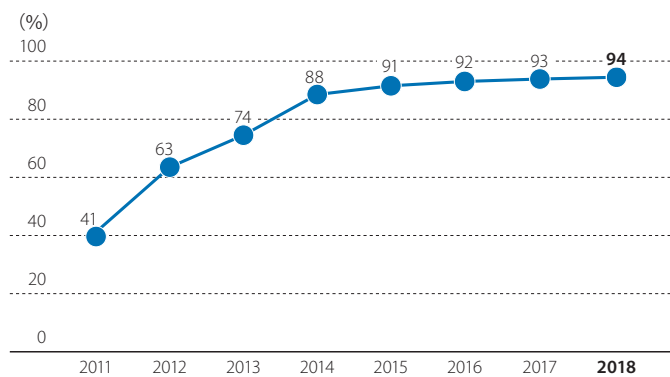
Data on the Number of Organizations Engaged in Risk-management Activities

Number of Organizations Engaged in Risk-management Activities



Data Relating to the Sufficiency Rate for Disaster-preparedness Systems

Disaster-preparedness Sufficiency Rate (Average for Japanese Business Sites) Over Time



Social Contribution Activities

Social Contribution Activities

Major Activities Contributing to the Environment Conducted or Participated in During Fiscal Year 2018 (Excerpt)

Domestic

Domestic Production Sites and Research Institutes

Business site involved in the activities	Activity program contents	Coordination / cooperation
Hokkaido Sekisui Heim Industry Co., Ltd.	Life observation event at the on-premises biotope	Shimafukuro Environmental Research Society, Ministry of the Environment Hokkaido Regional Environmental Office
Tohoku Sekisui Heim Industry Co., Ltd.	Minamizao beech tree-planting activities	The Society to Conserve Beeches & Water of ZAO
Sekisui Heim Industry Co., Ltd. Tokyo Office Sekisui Chemical Co., Ltd. Musashi Plant	Greenery Trust, environmental awareness and preservation activities related to Kurohamanuma and the surrounding area	Society for Preservation of Kurohamanuma Nature and Surroundings, etc.
Sekisui Heim Industry Co., Ltd. Kanto Office	Sekisui Children's Nature Academy (Aquatic Insect Observation and Water Quality Survey)	Society for Consideration of the Environment in Kasama, Kasama Municipal Minami Gakuen
Sekisui Heim Industry Co., Ltd. Chubu Office	Ometahama environmental conservation activities with the local children's association (sand-drift prevention)	Omotehama Network
Kyushu Sekisui Heim Industry Co., Ltd.	Tidal life observation event with the local children's association	Saga Wild Bird Society, Saga Environmental Policy Division, etc.
CHIBA SEKISUI INDUSTRY CO., LTD.	"Moist Forest" mountain ecosystem-building project (nature observation event)	Ichihara Municipal Urutsu Elementary School
SHIKOKU SEKISUI CO., LTD.	Eradication of invasive grasses in the Shinmachi River	Saijo Nature School
Higashinihon Sekisui Industry Co., Ltd. Watari Office	Tree-planting activities in the Arahama coastal forest areas	The Society to Conserve Beeches & Water of ZAO
SEKISUI SEIKEI, LTD. Chiba Plant	Coastal forest tree-planting activities at Kujukurihama	NPO The Life style Research Institute of Forests
SEKISUI SEIKEI, LTD. Kanto Plant	Watarase Reservoir conservation activities (flora and fauna observation event)	Watarase Mirai Foundation
SEKISUI SEIKEI, LTD. Izumo Plant	Izumo Children's Nature Academy (flora and fauna observation event)	Izumo Municipal Shutto Elementary School
Sekisui Medical Co., Ltd. Iwate Plant	Tree-planting activities at the site of the former Matsuo Mine ruins	Forest'n People Project Organization

Business site involved in the activities	Activity program contents	Coordination / cooperation
SEKISUI NANO COAT TECHNOLOGY, CO., LTD.	“Ho-no-Kuni Everyone's Forest” conservation activities in the Toyo River headwaters	Honokuni Forestry Association
TOKUYAMA SEKISUI CO., LTD.	“Sekisui Forest” forest management activities	Forestry Division, Agriculture, Forestry, and Fisheries Office, Shunan City, Yamaguchi Prefecture, etc.
Sekisui Chemical Co., Ltd. Shiga-Ritto Plant	Yurikago Rice Paddy Project	Agricultural and Rural Development Promotion Division, Department of Agriculture and Fisheries, Shiga Prefecture; Kurimidezaikecho, Higashiomi, Shiga
Sekisui Chemical Co., Ltd. Gunma Plant	Gunma Children's Nature Academy (autumn nature observation event)	Shimofuchina 6-ku Healthy Development Society
Sekisui Chemical Co., Ltd. Kyoto Research	Higashiyama forest preservation activities (cleaning activities)	Forestry Agency Kyoto Forest Management Office
Sekisui Chemical Co., Ltd. R&D Institute	Minase Children's Nature Academy (craft-making with bamboo from the local area)	Shimamoto Kankyo Mirai Network, etc.
Sekisui Chemical Co., Ltd. Tsukuba Office	Tree-planting in the Kasumigaura headwaters in the Mt Tsukuba foothills	Tsukuba Kankyo Forum

Housing Companies

Business site involved in the activities	Activity program contents	Coordination / cooperation (outside the company)
Hokkaido Sekisui Heim Group	Forest conservation activities at Mt. Shirahata	Hokkaido Forestry and Greenery Association
Sekisui Heim Tohoku Group	Tohoku coastal forest restoration / coastal forest tree-planting activities with children	Disaster Area Uncultivated Land Relief and Regional Seedling Production Network
Tokyo Sekisui Heim Group	Conservation of mountain ecosystem around Tama Zoological Garden	Arbor and Environment Network Association
Sekisui Heim Kinki Group	Woodland Conservation Activities at Kaseyama	Kizugawa City, Kizugawa Area Coordinated Preservation Activity Support Team
Sekisui Heim Chubu Group	Conservation of human settlement-adjacent mountain ecosystems in the Higashiyama neighborhood of Nagoya	Nagoya Higashiyama Forest Creation Association
Sekisui Heim Chushikoku Group	Forest conservation activities in the city of Akaiwa	Akaiwa City (Forest creation agreement in coordination with businesses)
Sekisui Heim Kyushu Group	Forest conservation activities involving <i>Sinomenium acutum</i> around rice paddies in the city of Ukiha	Ukiha City, Ukiha Mountain Village Preservation Association
Sekisui Heim Tokai Co., Ltd.	Removal activities for specific alien plant species at the foot of Mt. Fuji	FUJISAN CLUB

Other

Business site involved in the activities	Activity program contents	Coordination / cooperation (outside the company)
Sekisui Chemical Co., Ltd. Tokyo Headquarters	Participation in the Tokyo Bay Cleanup Campaign (seaside cleaning)	Minato Ward Sports Fureai Culture and Health Foundation
Sekisui Chemical Co., Ltd. Osaka Headquarters	Yodo River Niwakubo river pond conservation activities (river cleaning)	Yodogawa Water System Deepbody Bitterling Preservation Citizen Network

Overseas

Overseas Production Sites and Research Institutes

Business site involved in the activities	Activity program contents	Coordination / cooperation
SCG-SEKISUI SALES CO., LTD. SEKISUI-SCG INDUSTRY CO.,LTD. SEKISUI HEIM REAL ESTATE (THAILAND) CO.,LTD. SEKISUI S-LEC (THAILAND) CO.,LTD. SEKISUI SPECIALTY CHEMICALS (THAILAND) CO.,LTD. THAI SEKISUI FOAM CO.,LTD. S AND L SPECIALTY POLYMERS CO.,LTD. SEKISUI CHEMICAL (THAILAND) CO.,LTD. SEKISUI SYSTEMBATH INDUSTRY (THAILAND) CO.,LTD. SEKISUI SOUTHEAST ASIA CO.,LTD. SEKISUI POLYMATECH (THAILAND) CO.,LTD. SEKISUI POLYMATECH TRADING (THAILAND) CO.,LTD. SEKISUI PLANT (THAILAND) CO.,LTD.	Chonburi mangrove tree-planting activities (Thailand)	Marine and Coastal Resources Bureau, Ministry of Natural Resources and Environment (Thailand) Sekisui Plastics (Thailand) Co.,Ltd., SEKISUI JUSHI (THAILAND) CO.,LTD.
SEKISUI MEDICAL TECHNOLOGY (CHINA) LTD. SEKISUI (DALIAN) HOUSING TECHNOLOGY CO., LTD. SEKISUI HIGH PERFORMANCE PACKAGING (LANGFANG) CO., LTD Youngbo HPP Co., Ltd. SEKISUI (SHANGHAI) INTERNATIONAL TRADING CO., LTD. Beijing Branch SEKISUI TECHNO MOLDING CO., LTD. SEKISUI S-LEC (SUZHOU) CO., LTD. Beijing Branch SEKISUI CHEMICAL (CHINA) CO., LTD.	Tree-planting activities in Beijing (China)	Beijing Hemujia Forestry Development Co., Ltd.
Tokyo Sekisui Heim Group	Conservation of mountain ecosystem around Tama Zoological Garden	Arbor and Environment Network Association
Sekisui Heim Kinki Group	Woodland Conservation Activities at Kaseyama	Kizugawa City, Kizugawa Area Coordinated Preservation Activity Support Team
SEKISUI SPR AMERICAS, LLC.	Cleanup activities (US)	Chattahoochee Nature Center
SEKISUI DIAGNOSTICS, LLC.	Alien species removal activities (US)	Marcy Neighborhood Park

Business site involved in the activities	Activity program contents	Coordination / cooperation
SEKISUI DIAGNOSTICS P.E.I. INC.	Tree-planting activities (USA)	Island Nature Trust
SEKISUI S-LEC MEXICO S.A de C.V.	Tree-planting activities (Mexico)	Anatani Foundation
SEKISUI S-LEC (THAILAND) CO.,LTD.	Tree-planting activities (Thailand)	Bangpra water bird breeding station

Major Activities Contributing to Society During Fiscal Year 2018 (“Next-Generation” and “Local Communities”)

Programs	FY2018 Results				Achievements Up Until Now			
Heart+Action	Number of implementations	Three times	Number of participants	53	Total number of times implemented	57	Total number of participants	998
TABLE FOR TWO	Number of implementing business sites	12 business sites	Number of school lunches provided to developing countries	28,513	Number of implementing business sites	12 business sites	Total number of school lunches provided to developing countries	210,386
							Tohoku food assistance*	649,910 yen
TABLE FOR TWO vending machines	Number of implementing business sites	One business site	Number of school lunches provided to developing countries	5,983	Number of implementing business sites	One business site	Number of school lunches provided to developing countries	25,779
Houses and the Environment Learning Program	Number of implementing schools	18 schools	Number of participating students	1,544	Total number of implementing schools	156	Total number of participating students	Approximately 18,440
Chemistry Classroom	Number of implementations	25 times	Number of participating students	2,538	Total number of times implemented	255	Total number of participating students	28,556
BOOK MAGIC	Number of implementations	Nine times	Donation amount	67,021 yen	Total number of times implemented	121	Amount of donation	1,095,024 yen

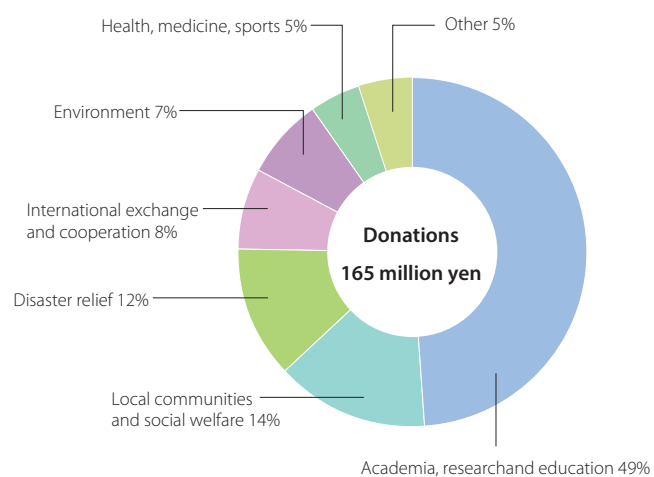
* Tohoku food assistance was provided from April 2013 to December 2014.

Details of Donation Activities in Fiscal 2018 (Sekisui Chemical Group)

(Unit: thousands of yen)

Type of Donation	Total Amount
Donations	165,363
Employee volunteers	122,068
Donations of goods	2,785
Administrative costs	23,764

Breakdown of Cash Donations in Fiscal 2018



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"CSR Report 2019 PDF Edition" has been reviewed for assurance by an independent third party and as a result has been granted the sustainability report review and registration logo.

This demonstrates that this report satisfies the necessary criteria established by the Japanese Association of Assurance Organizations for Sustainability Information (J-SUS; <http://www.j-sus.org/>) for the use of this logo, intended to assure the reliability of sustainability information.

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