



## Environmental Activities: Supplementary Data

### 1 Addressing Climate Change

#### Reducing Greenhouse Gas Emissions

##### Greenhouse Gas Emissions (All Seven Gases) (Sumitomo Chemical (All Facilities))

(Thousand tons of CO<sub>2</sub>e)

		FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
CO <sub>2</sub>	Energy sources	3,190	3,357	3,347	2,559	2,405	2,454	2,543
	From other than energy use	62	63	65	55	50	93	155
Methane (CH <sub>4</sub> )		—	—	—	—	—	—	—
Nitrous oxide (N <sub>2</sub> O)		67	63	76	65	45	35	23
Hydrofluorocarbon (HFC)		—	—	—	—	—	—	—
Perfluorocarbon (PFC)		—	—	—	—	—	—	—
Sulfur hexafluoride (SF <sub>6</sub> )		—	—	—	—	—	—	—
Nitrogen trifluoride (NF <sub>3</sub> )		—	—	—	—	—	—	—

Notes: • CH<sub>4</sub>, HFC, PFC, SF<sub>6</sub>, and NF<sub>3</sub> are outside the scope of reporting.

• Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.



## Environmental Activities: Supplementary Data

### Energy Saving

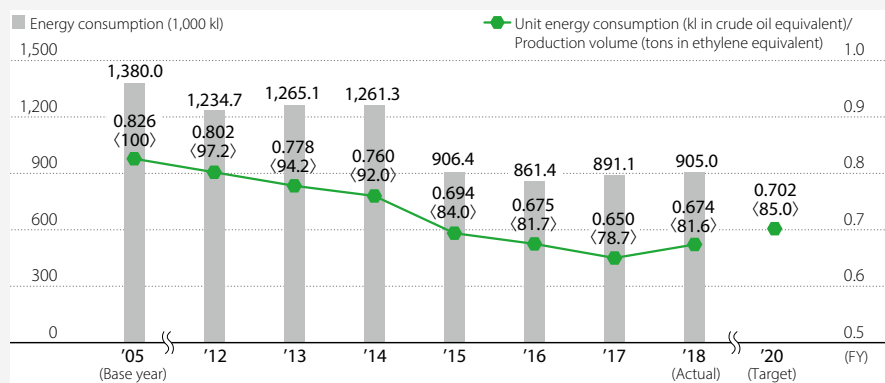
#### Breakdown of Unit Energy Consumption (Sumitomo Chemical (All Works))

	Energy consumption (1,000 kl in crude oil equivalent) (a)	Production (1,000 tons in ethylene equivalent) (b)	Unit energy consumption (a/b)
Ehime Works	463.8	728.9	0.636
Chiba Works	312.0	371.4	0.840
Osaka Works	23.6	17.9	1.318
Oita Works*	60.3	62.8	0.960
Misawa Works	10.6	8.6	1.233
Ohe Works	34.8	153.1	0.227
Total	905.1	1,342.7	0.674

Note: Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.

\* Data for the Oita Works includes data for the Gifu and Okayama plants.

#### Energy Consumption and Unit Energy Consumption (Sumitomo Chemical (All Works))



Note: Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.

#### Target

Improve unit energy consumption for fiscal 2020 by 15% compared with fiscal 2005.

#### Results

Energy consumption totaled 905 thousand kl in crude oil equivalent in fiscal 2018. In fiscal 2018, unit energy consumption worsened 3.7% compared with fiscal 2017 and improved 18.4% compared with fiscal 2005.

#### Energy Consumption and CO<sub>2</sub> Emissions (Sumitomo Chemical and Group Companies in Japan (All Facilities))

	Energy consumption (1,000 kl in crude oil equivalent)	CO <sub>2</sub> emissions from energy use (1,000 tons)
Sumitomo Chemical	918	2,543
Works	905	2,516
Non-manufacturing sites including the Head Offices and Research Laboratories	13	27
Sumitomo Chemical and Group companies in Japan	1,677	4,966
Works	1,651	4,911
Non-manufacturing sites including the Head Offices and Research Laboratories	25	55

Notes: • Calculated based on the Act on the Rational Use of Energy and the Act on Promotion of Global Warming Countermeasures.

• The boundary of calculation covers the same participating companies listed on page 3.