

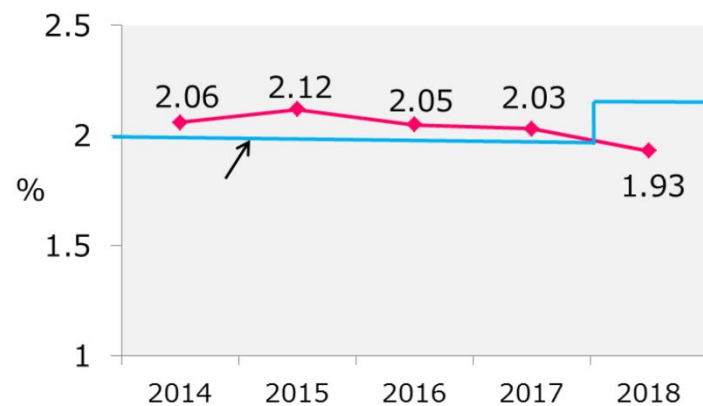
Toyal Group CSR REPORT 2019 Data

- The Toyal Aluminium Group Data
- The Toyal Aluminium Group Data (Domestic)
- The Toyal Aluminium Group Data (Non-Consolidated)



Human resources data

■ Employment ratio of handicapped persons



■ Diversity

	Ratio
Female employee ratio	11.1%
Female manager ratio	3.4%
Non-Japanese employee ratio	0.3%

(As of March 31, 2019)

Occupational health and safety data

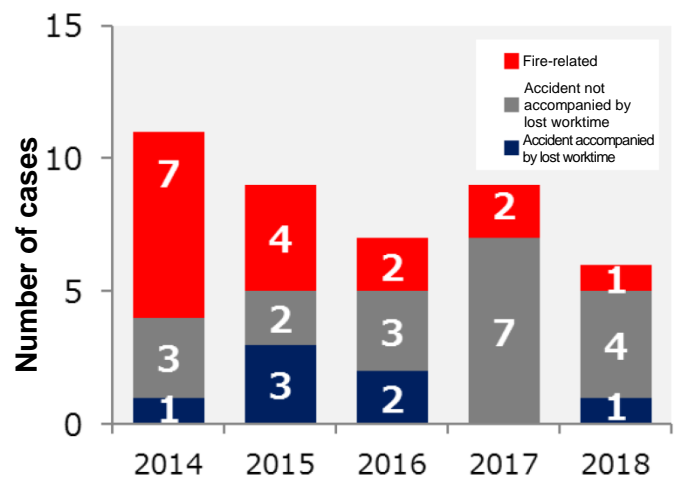
■ Ratio of accidents accompanied by lost worktime

	Frequency rate	Severity rate
Toyal Group safety results in 2018	1.54	0.01
Targets set by Japan Aluminium Association	1.70	0.02

* Frequency rate: Number of deaths and injuries from industrial accidents per one million work-hours in the aggregate, indicating frequency of accidents

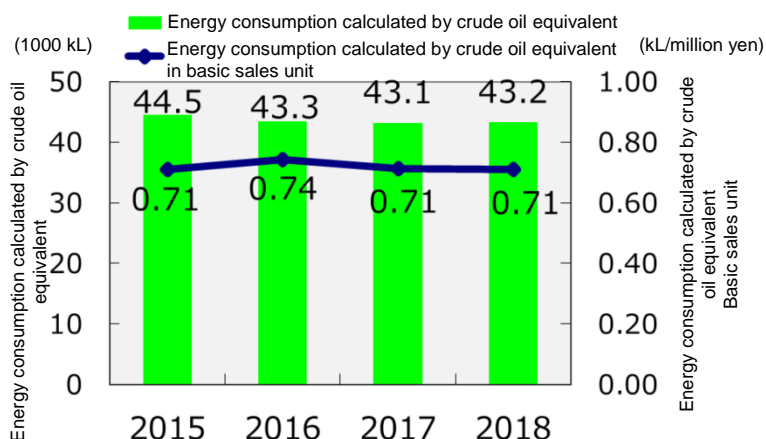
* Severity rate: Number of workdays lost per one thousand work-hours in the aggregate, indicating severity of accidents

■ Numbers of Accidents occurring annually

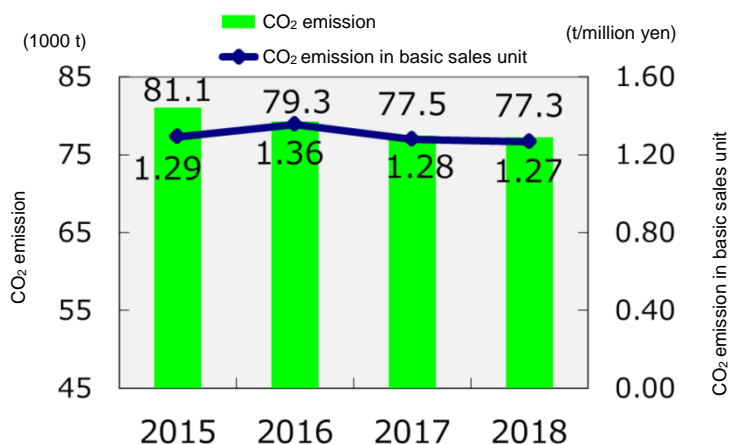


Environmental data

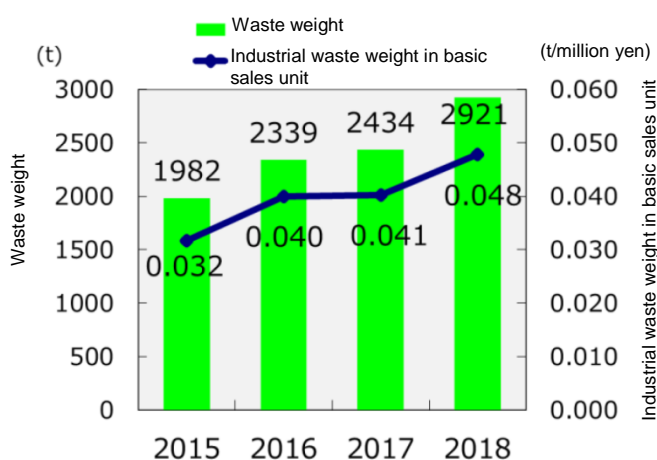
Energy consumption calculated by crude oil equivalent and basic sales unit



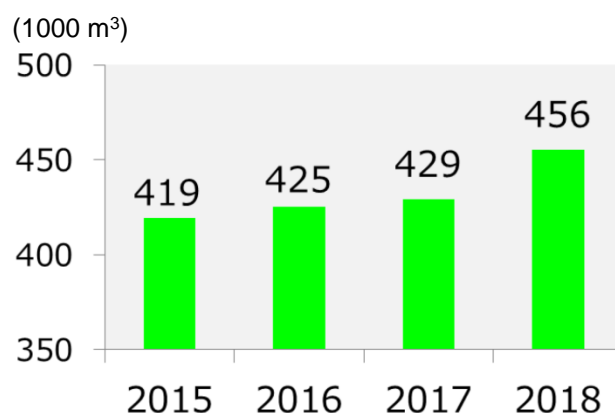
CO₂ emission and basic sales unit



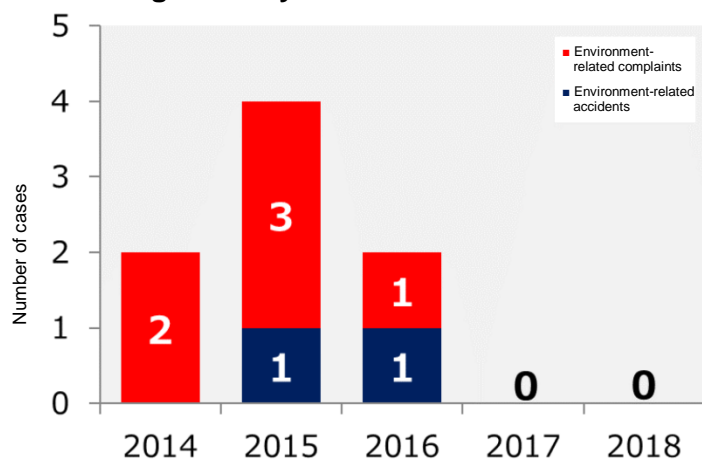
Industrial waste generation and basic sales unit



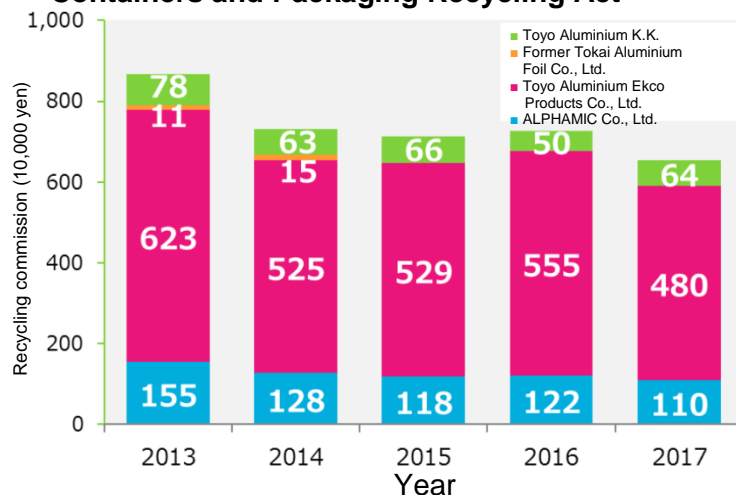
Total water intake



Number of environment-related problems occurring annually



Changes in recycling commissions under Containers and Packaging Recycling Act



Regular notifications required for compliance with environmental laws/regulations (submitted in fiscal 2018)

- Regular report required under the Act on Rationalizing Energy Use
- Mid-to-long-term plan required under the Act on Rationalizing Energy Use
- Delivery status, etc. of industrial waste manifests, required under the Waste Management Act
- Special management industrial wastes disposal plan required under the Waste Management Act
- Specially controlled industrial waste disposal plan implementation status report required under the Waste Management Act
- PCB wastes, etc. storage and disposal status notification sheet required under the Law Concerning Special Measures Against PCB Waste
- Notification of release amounts and transfer amounts of Class I Designated Chemical Substance required under the Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR)
- Report of imposed amounts on pollution loads required under the Act on Compensation for Pollution-related Health Damage

■ PRTR notification substance discharge (result in 2018)

Unit: kg

No.	Substance	Released amount				Transferred amount	
		Atmosphere	Public water	Soil	Landfill	Sewage	Outside of premises
003	Boron compound	0	0	0	0	0	4
053	Ethyl benzene	24	0	0	0	0	747
080	Xylene	4,322	0	0	0	0	40,438
186	Methylene chloride	22,000	0	0	0	0	4,700
273	n-dodecyl alcohol	4,344	0	0	0	0	2,784
296	1,2,4-trimethylbenzene	26,820	0	0	0	0	140,135
297	1,3,5-trimethylbenzene	10,100	0	0	0	0	42,037
300	Toluene	49,300	0	0	0	0	324,571
309	Nickel compound	0	0	0	0	1	0
321	Vanadium	0	0	0	0	0	3
392	n-hexane	58	0	0	0	0	260
438	Methylnaphthalene	26	0	0	0	0	0

■ Number of employees with publicly accredited qualifications

(Number of employees)

Qualification		Number of qualified employees
Pollution control manager	Atmosphere	11
	Water	11
	Noise	2
	Vibration	1
	Noise/vibration	4
	Dioxins	3
Industrial waste disposal facility engineering manager		2
Special management industrial waste manager		32
Energy manager		15

■ Environmental accounting (results in 2018)

(1000 yen)

Category	Investment	Cost
Pollution prevention cost	109,752	142,915
Global environment preservation cost	57,876	37,945
Resource recycling cost	1,042	61,918
Up-stream/down-stream cost	0	640
Control activity cost	1,130	33,341
Social activity cost	0	185
Total	169,800	276,944

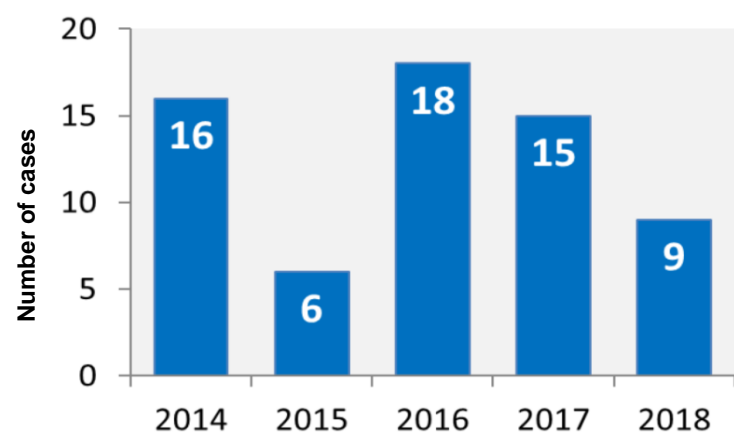
* Investment: Disbursement for the purpose of environmental preservation among investments in depreciable assets

* Cost: Amounts incurred for the purpose of environmental preservation among enterprise expenses, etc.

(Based on the Environmental Accounting Guidelines, 2005 edition, Ministry of the Environment)

Quality assurance data

■ Numbers of quality review meetings



ISO certification acquisition status

■ List of ISO9001 certifications (transferred to 2015 version)

Company/business office	Qualification/certification timing
Toyal Europe S.A.S.U.	June 1995
Yao Works, Toyo Aluminium K.K.	October 1996
Gumma Works, Toyo Aluminium K.K.	October 1996
Shinjo Works (including Gose), Toyo Aluminium K.K.	September 1997
Hino Works, Toyo Aluminium K.K.	March 1998
Kanbara Works, Toyo Aluminium K.K.	April 1998
Chigasaki Works, Toyo Aluminium K.K.	April 1998
Chigasaki Works (Yabata), Toyo Aluminium K.K.	April 1998
Shiga Works, Toyo Aluminium Ekco Products Co., Ltd.	August 1998
Chiba Works, Toyo Aluminium K.K.	September, 1999
Toyal America, Inc.	March 2000
ALP Co., Ltd.	March 2003
Toyo Tokai Aluminium Hanbai K.K.	January 2004
ALPHAMIC Co., Ltd.	December 2004
Hunan NingXiang JiWeiXin Metal Powder Co., Ltd.	August 2005
Shinjo Works (Hirano), Toyo Aluminium K.K.	February 2007
Toyal Zhaoqing Co., Ltd.	August 2010

■ List of ISO14001 certifications (transferred to 2015 version)

Company/business office	Qualification/certification timing
Yao Works, Toyo Aluminium K.K.	January 2001
Gumma Works, Toyo Aluminium K.K.	August 2001
Toyo Tokai Aluminium Hanbai K.K.	November 2001
Toyo Aluminium Ekco Products Co., Ltd.	March 2003
ALP Co., Ltd.	March 2003
Shinjo Works (including Gose), Toyo Aluminium K.K.	April 2003
Hino Works, Toyo Aluminium K.K.	March 2004
Hunan NingXiang JiWeiXin Metal Powder Co., Ltd.	May 2007
Kanbara Works, Toyo Aluminium K.K.	June 2007
Chigasaki Works, Toyo Aluminium K.K.	June 2007
Chigasaki Works (Yabata), Toyo Aluminium K.K.	June 2007
Chiba Works, Toyo Aluminium K.K.	July 2007
Toyal Zhaoqing Co., Ltd.	October 2010
Toyal Europe S.A.S.U.	July 2012
Shinjo Works (Hirano), Toyo Aluminium K.K.	March 2016

■ List of ISO27001 certifications

Company	Business office	Qualification/certification timing
Toyo Aluminium K.K.*	Osaka Office, Tokyo Office, Yao Works (partial), Shinjo Works (partial)	March 2007
Toyo Aluminium Ekco Products Co., Ltd.	All business offices (excluding production sites)	September 2008
Toyo Tokai Aluminium Hanbai K.K.	All business offices	September 2008

★ The certification scope expanded gradually; in October 2016, all business offices were properly certified (excluding production sites)