

# Environmental Data

[ P e r i o d ] • April, 2020 to March, 2021

[ A i r ] • Units are as follows: NOx = ppm, PM (particulate matter) = mg/Nm<sup>3</sup> • ND: below the minimum determination limit (not detected)

• Values shown in the results column are averages of the results of the measurements.

[ W a t e r ] • Units are all in mg/L except for pH • pH: hydrogen ion concentration • BOD: Biochemical Oxygen Demand • SS: concentration of suspended solids in water

• ND: below the minimum determination limit (not detected) • Values shown in the results column are averages of the results of the measurements.

[Groundwater] • Units are all in mg/L • ND: below the minimum determination limit (not detected).

[PRTR\*Data] • Units are in kg • Values less than 1kg are rounded up if ≥0.5 and down if 0.5. There are some cases in which values for total volume and volume handled are not in agreement.

[Data for use of resources / volume emitted] • Units are: t/year for waste, t-CO<sub>2</sub>/year for greenhouse gas and 10,000m<sup>3</sup>/year for water.

\*Pollutant Release and Transfer Register (the registration system monitoring emissions of substances that pollute the environment and moves/transfers of them)

## Data on Main Domestic Plants : Toyoda Gosei Co., Ltd.

**Haruhi Plant**

1 Haruhinagahata  
Kiyosu, Aichi, Japan  
452-8564

Main Products

• Functional Parts

### Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (city gas)	0.1
	Co-generation (city gas)	0.05
NOx	Boilers (city gas)	150
	Co-generation (city gas)	600

### Groundwater

Item measured	Environmental Standard	Result
Trichloroethylene	0.03	ND~0.01
Cis-1,2-Dichloroethylene	0.04	ND~0.007

■ No violations of laws, etc. ■ No complaints

### PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
2-Imidazolidin thionate	42	1,683	0	0	0	0	252	0	0	1,431
Thiram	268	2,390	0	0	0	0	129	0	0	2,261

### Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	1,293
	Volume emitted	562
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	11,300
Water	Volume used	25.6

### Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.5
BOD (Biochemical Oxygen Demand)	25	4.5
SS	30	2
Oil content	5	ND
Total nitrogen	120	3.2
Total phosphorus	16	0.9
Thiram	0.06	ND

**Morimachi Plant**

1310-128  
Mutsumi, Mori,  
Shuchi, Shizuoka,  
Japan  
437-0213

Main Products

• Weatherstrips  
• Functional Parts

### Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (heavy oil)	0.1
NOx	Boilers (heavy oil)	120

■ No violations of laws, etc. ■ No complaints

### PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Antimony and its compounds	31	4,021	0	0	0	0	201	40	0	3,780
2-Imidazolidin thionate	42	3,040	0	0	0	0	122	122	0	2,797
Ethylbenzene	53	5,735	3,854	0	0	0	711	895	0	275
Xylene	80	6,787	4,581	0	0	0	862	1,049	0	296
Disulfiram	259	1,168	0	0	0	0	63	0	0	1,105
Thiuram	268	6,883	0	0	0	0	372	0	0	6,511
Toluene	300	26,050	12,854	0	0	0	4,846	7,697	0	653
Jiram	328	3,089	0	0	0	0	124	124	0	2,842
Methylenebis (4,1-phenylene) = diisocyanate	448	4,199	0	0	0	0	420	0	0	3,779
2-Mercaptobenzothiazole	452	22,374	0	0	0	0	1,208	0	0	21,166

### Data for use of resources/volume emitted

Category	Result	
Waste	Volume generated	4,365
	Volume emitted	2,944
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	18,500
Water	Volume used	11.7

### Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.3
BOD (Biochemical Oxygen Demand)	25	3
SS	50	4.2
Oil content	5	ND
Thiram	0.06	ND
Zinc	2	0.12

## Heiwacho Plant

710 Origuchi,  
Shimomiyake,  
Heiwa, Inazawa,  
Aichi, Japan  
490-1312

### Main Products

- Functional Parts
- Safety System Products
- Optoelectronic Products

### ■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
Dust	Boilers (heavy oil)	0.15
	Boilers (city gas)	0.05
	Co-generation (city gas)	0.05
NOx	Boilers (heavy oil)	140
	Boilers (city gas)	120
	Co-generation (city gas)	200

### ■ No violations of laws, etc. ■ No complaints

### ■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,689
	Volume emitted	334
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	13,500
	PFC emissions	100
	HFC emissions	30
Water	Volume used	8.1

### ■ Water (Sewerage Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5~9	7.2
BOD (Biochemical Oxygen Demand)	600	107
SS	600	82.8
Oil content	30	4.6
Total nitrogen	240	24.9
Total phosphorus	32	2.4
Fluorine	8	0.12

## Inazawa Plant

1 Komeyasakai,  
Kitajima, Inazawa,  
Aichi, Japan  
492-8542

### Main Products

- Interior and Exterior Parts

### ■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
NOx	Boilers (city gas)	150
	Co-generation (city gas)	600

### ■ Groundwater

Item measured	Environmental Standard	Result
Trichloroethylene*1	0.03	ND
Cis-1,2-Dichloroethylene*1	0.04	ND ~ 0.006

\*1 Substances that have no record of being used.

### ■ No violations of laws, etc. ■ No complaints

### ■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	4,273	2,203	0	0	0	719	299	0	1,051
Xylene	80	5,690	3,166	0	0	0	852	398	0	1,273
Chromium and trivalent chromium compounds	87	1,828	0	15	0	0	1,448	0	0	366
Hexavalent chromium compounds	88	1,828	0	0	0	0	0	0	1,828	0
Copper water-soluble salts (excluding complex salts)	272	5,909	0	59	0	0	0	0	5,850	0
Toluene	300	33,673	19,982	0	0	0	4,496	2,357	0	6,838
Nickel	308	92,315	0	0	0	0	0	0	92,315	0
Nickel compounds	309	94,639	0	19	0	0	12,284	0	0	82,336
Perammonium diammonium sulfate	395	5,075	0	0	0	0	0	0	5,075	0
Boron compound	405	1,365	0	14	0	0	1,351	0	0	0

### ■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	2,988
	Volume emitted	1,084
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	15,900
Water	Volume used	43.2

### ■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.2
BOD (Biochemical Oxygen Demand)	25	10
SS	30	1.4
Oil content	5	ND
Total nitrogen	120	27.4
Total phosphorus	16	0.86
Hexavalent chromium	0.5	ND
Total chromium	2	0.09
Copper	1	0.21
Fluorine	15	0.08
Boron	30	5

## Bisai Plant

40  
Higashishimoshiro,  
Meichi, Ichinomiya,  
Aichi, Japan  
494-8502

### Main Products

• Interior and Exterior Parts  
• Safety System Products

#### ■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result	
Dust	Boilers (city gas)	0.1	ND
	Co-generation (city gas)	0.05	ND
NOx	Boilers (city gas)	150	32
	Co-generation (city gas)	600	130

■ No violations of laws, etc. ■ No complaints

#### ■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Ethylbenzene	53	7,889	4,733	0	0	0	1,026	552	0	1,578
Xylene	80	9,525	5,715	0	0	0	1,238	667	0	1,905
1,3,5-Trimethylbenzene	297	1,722	1,033	0	0	0	224	121	0	344
Toluene	300	29,775	17,942	0	0	0	3,884	2,061	0	5,888
Methylenebis (4,1-phenylene) = diisocyanate	448	111,602	0	0	0	0	1,196	0	0	110,406

#### ■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	1,032
	Volume emitted	308
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	13,900
	SF <sub>6</sub> emissions	2,280
Water	Volume used	9.6

#### ■ Water (Sewerage Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.7~8.7	7.2
BOD (Biochemical Oxygen Demand)	300	28.8
SS	300	36.8
Oil content	30	1

## Seto Plant

141 Sosaku,  
Seto, Aichi, Japan  
489-0843

### Main Products

• Interior and Exterior Parts

#### ■ Air (Air Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result	
Dust	Boilers (kerosene)	0.2	—
	Boilers (heavy oil)	0.1	ND
NOx	Boilers (kerosene)	0.2	—
	Boilers (heavy oil)	150	29

■ No violations of laws, etc. ■ No complaints

#### ■ PRTR Data

Substance name	Substance number (item number)	Amount handled	Volume emitted			Volume moved		Volume recycled	Total removed (processed)	Total consumed (products)
			Into the air	Into bodies of water	Into the ground	Volume moved via sewers	Volume moved as waste			
Toluene	300	1,583	950	0	0	0	206	111	0	317
Methylenebis (4,1-phenylene) = diisocyanate	448	29,014	0	0	0	0	2,901	0	0	26,112

#### ■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	409
	Volume emitted	193
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	3,500
Water	Volume used	1.5

#### ■ Water (Water Pollution Control Law, prefectural regulations, etc.)

Item measured	Regulation value	Result
pH	5.8~8.6	7.38
BOD (Biochemical Oxygen Demand)	20	0.4
SS	20	0.1
Total nitrogen	10	0.7
Total phosphorus	4	0

## Kanagawa Plant

19-5 Suzukawa,  
Isehara, Kanagawa,  
Japan  
259-1146

### Main Products

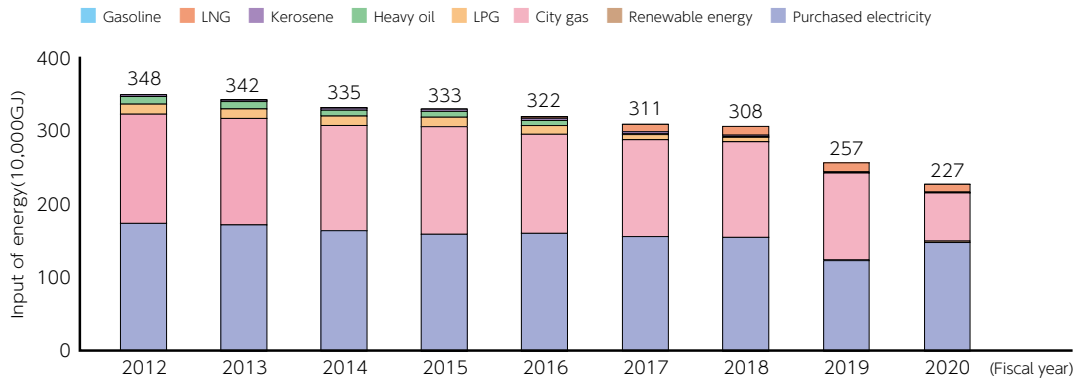
• Interior and Exterior Parts  
• Functional Parts

■ No violations of laws, etc. ■ No complaints

#### ■ Data for use of resources / volume emitted

Category	Result	
Waste	Volume generated	19
	Volume emitted	16
	Final volume disposed	0
Greenhouse gas	CO <sub>2</sub> emissions	420
Water	Volume used	0.2

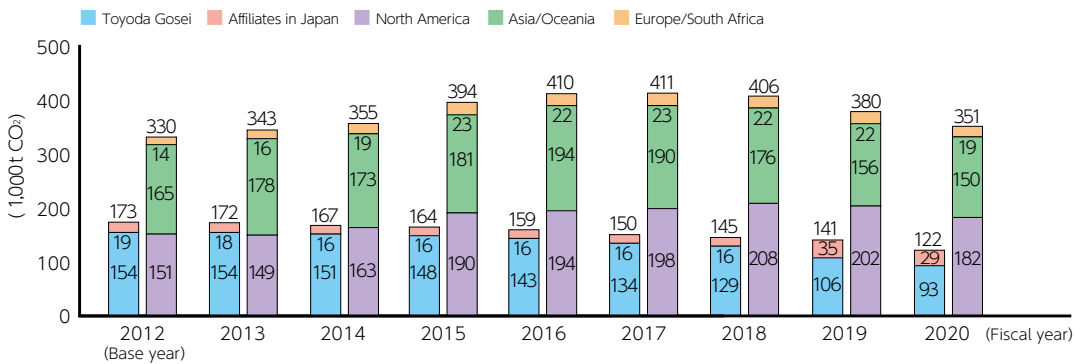
## Input of energy : Toyoda Gosei Co., Ltd.



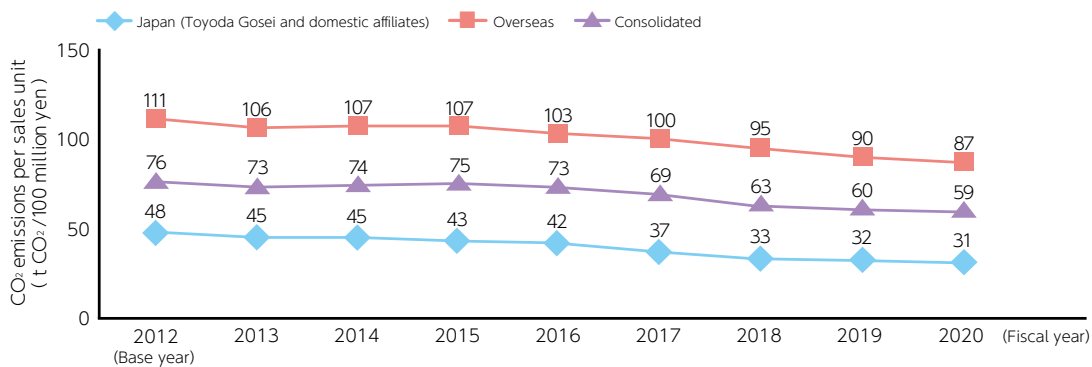
## Data on CO<sub>2</sub> Emissions

These data may differ in parts from the data in the Toyoda Gosei Report, as they include data from a larger number of companies

### CO<sub>2</sub> emissions / CO<sub>2</sub> emissions per sales unit trends (attributable to energy)



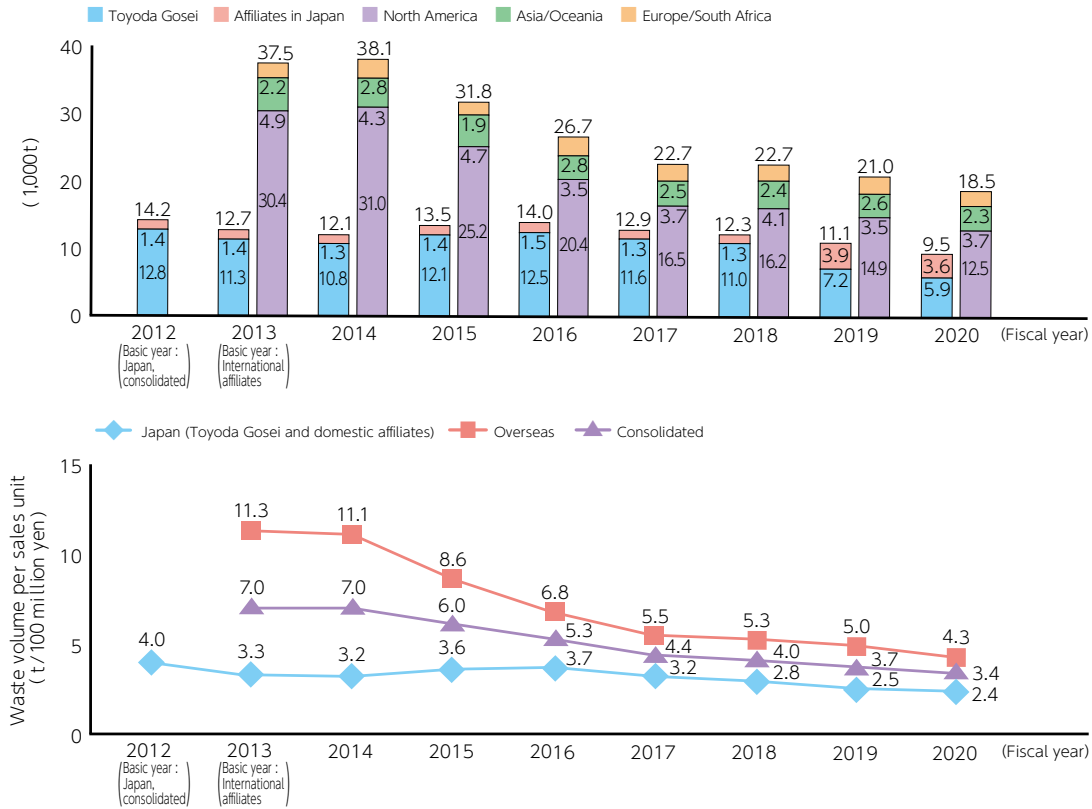
• CO<sub>2</sub> conversion calculation: International locations GHG Protocol (2001)  
Locations in Japan: 1990 Keidanren factor fixed value



## Data on Waste Volume and Water Use

These data may differ in parts from the data in the Toyota Gosei Report, as they include data from a larger number of companies

### Waste volume / Waste volume per sales unit trends



### Water use / Water use per sales unit trends

