

The logo for CMK, consisting of the letters 'CMK' in a bold, red, sans-serif font.

**CMK**

The title '2023 Environmental Data' is centered on the page in a large, white, sans-serif font. The background features a grayscale image of the Earth from space, overlaid with a complex network of white circuit traces and nodes. In the lower-left foreground, there is a detailed image of a green printed circuit board (PCB) with various components, and a colorful, multi-colored grid pattern.The text 'CMK CORPORATION' is located in the bottom right corner of the page, rendered in a bold, black, sans-serif font.

**CMK CORPORATION**

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\* Numbers in parentheses indicate pages listed in "2023 CMK Report"

【 2023 CMK Report 】



## What is environmental data set ?



This booklet compiles more detailed data related to environmental information (cases and numerical data) featured in the '2023 CMK Report' (<https://www.cmk-corp.com/csr/report/>).

## Scope of Reporting



CMK CORPORATION and It's affiliated companies

< Domestic >

### 【 CMK CORPORATION 】

- Head office
- Kawagoe office オフィス
- Shipping Center (Former G Station Factory)
- Niigata Factory
- Kanbara Factory
- Chichibu Factory



### 【 Domestic Affiliated Companies 】

CMK PRODUCTS CORPORATION

- ・ SE Center in Miyoshi Town, which was one of our sales and administrative office, was relocated to Kawagoe Office in Kawagoe City in July 2022
- ・ G Station Factory has been renamed as Shipping Center.

< Overseas >

### 【 Production Site 】

- CMKC(DONG GUAN) LTD.
- CMK ELECTRONICS(WUXI) CO.LTD
- CMK CORPORATION(THAILAND) CO.,LTD.

### 【 Sales Office 】

- CMK ASIA(PTE.) LTD.
- CMKC(HONG KONG) LIMITED.
- CMK(SHENZHEN),LTD.
- CMK EUROPE N.V.



## Reporting period



FY2022 April 1, 2022 ~ March 31, 2023

## Contact Information for Environmental Data Set



CMK CORPORATION  
 Sustainability Promotion Department Environment Promotion Section  
 4F SUMITOMO-SEIMEI Kawagoe Bldg. 23-1 Wakitahoncho, Kawagoe-shi, Saitama, 350-1123

## Abbreviation of Group Companies' Names in this report



CMK PRODUCTS CORPORATION . . . . .	CMKP
CMK ELECTRONICS(WUXI) CO. ,LTD . . . . .	CMKW
CMKC (DONG GUAN) LTD. . . . .	CMKC
CMK CORPORATION(THAILAND) CO.,LTD. . . . .	CMKT

# 1. Activity Results for



Based on the “Environmental Policy”, we have formulated a “Medium to Long-Term Environmental Action Plan” and promoting environmental conservation activities.

To accomplish this action plan, we establish and pursue annual activity goals.

【Explanation of evaluation symbols ○ : Achieved the goal △ : Partially achieved the goal × : Not achieved the goal】

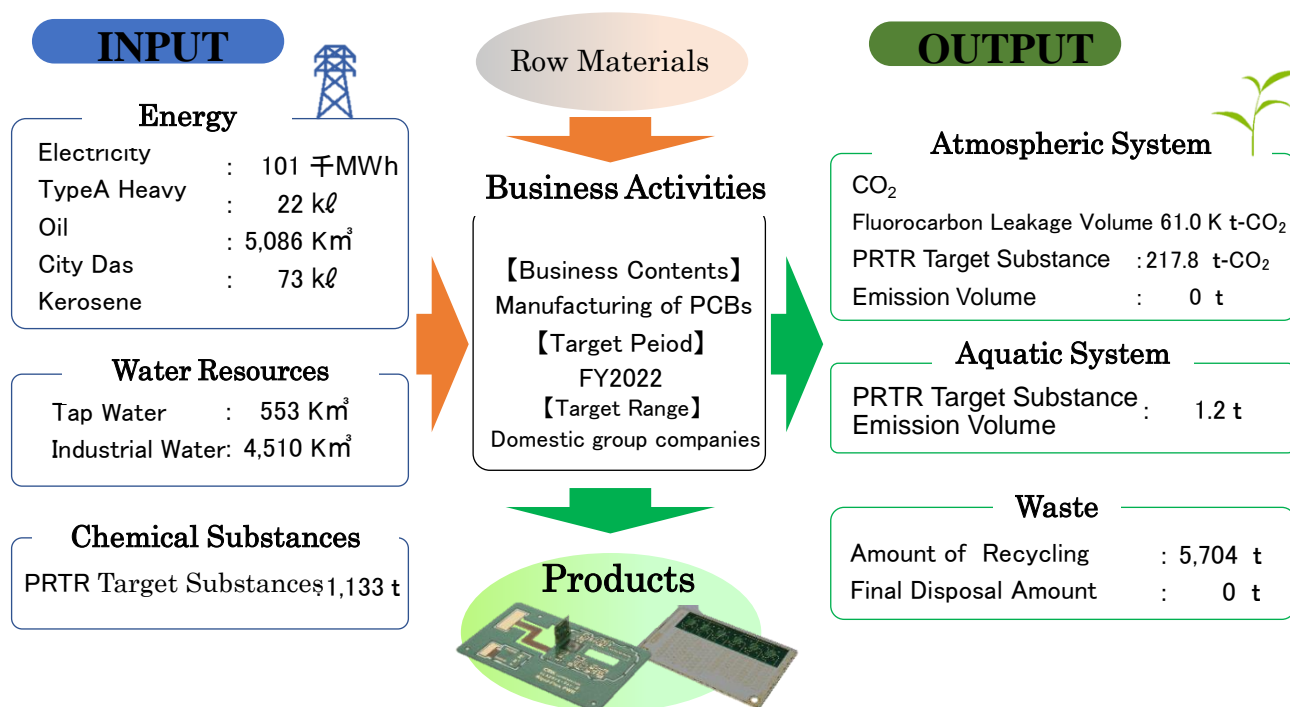
Changes in Initiatives	Objectives	Key Initiatives	Result	Assessment
1 Climate Change Mitigation	【Energy Consumption】 Reduction of more than 1% from the baseline (Year on Year in Comparison)	<ul style="list-style-type: none"> <li>•Promotion of company-wide energy conservation activities</li> <li>•Facilitation of productivity improvement</li> <li>•Implementation of energy-saving patrols</li> <li>•Conversion to LED lighting, thinning, and installation of motion sensors</li> <li>•Energy-saving proposals and implementations such as improving air leaks</li> <li>•Introduction of facilities considering energy-saving effect</li> <li>•Planned renewal and effectiveness verification of aging facilities</li> <li>•Replacement plan for equipment using R-22 refrigerat</li> </ul>	<p>【Achieved】</p> <ul style="list-style-type: none"> <li>•CMK Corporation</li> <li>•CMKP</li> </ul> <p>【Not achieved】</p> <ul style="list-style-type: none"> <li>•CMKT</li> <li>•CMKW</li> <li>•Kiritoku</li> </ul>	△
2 Prevention of Environmental Pollution	【Environmental pollution incidents】 0 incident	Aiming for Zero environmental incidents , we systematically conduct planned inspections ,repairs,and upgrades of facilities	【Achieved】 Environmental pollution :0 incident	○
3 Waste Reduction Efficient Resource Utilization	【Promotion of Zero Emission Initiatives】 Domestic :100% Oversees :100%	To reduce waste, we rigorously implement separate collection	<p>【Achieved】</p> <ul style="list-style-type: none"> <li>•Domestic : 100%</li> </ul> <p>【Not achieved】</p> <ul style="list-style-type: none"> <li>•Overseas :99.37%</li> </ul>	△
4 Environmental Impact Substance Mangement	【Complaints due to EHS deficiencies】 0 complaint	<ul style="list-style-type: none"> <li>•To ensure that EHS non-compliant products arenot delivered to customers,we promote EHSmanagement activities</li> <li>•Adhering to delivery deadlines for customer requests related to EHS</li> </ul>	Complaints due to EHS deficiencies Complaint:0	○
5 Biodiversity Conservation	【Initiave Rate for Activities】 100%	<ul style="list-style-type: none"> <li>•Implementation of locally-based biodiversity conservation activities</li> <li>•Exotic species eradication and protection of native species</li> <li>•Mowing around salmon spawning sites</li> </ul>	Initiative Rate for Activities :100%	○
6 Compliance	【No major violations in compliance evaluation】 0 Major violation	Clarify compliance obligations and conduct compliance assessments	Major violations in compliance evaluation :0	○

•EHS : Environmental Hazardous Substances

## Relationship between business activities and Environment

We ensure effective environmental efforts by understanding and managing the responsible use of resources and energy needed for business activities, along with the proper measurement of greenhouse gas emissions and waste production associated with them.

### Material Balance for FY2022



## Environmental Accounting

Since the fiscal year 1999, our company has been operating environmental accounting based on the “Environmental Accounting Guidelines” issued by the Ministry of the Environment. As one of the indicators to assess environmental conservation activities, we will clearly identify the expenses related to environmental conservation activities.

We will continue to promote efficient environmental management.

Environmental Conservation Costs in

【Unit: Million JPY】

Environmental Conservation Cost	Environmental Conservation Cost		
	Equipment Costs	Maintenance and Management Costs	Total
1) Costs within business area	65.4	520.5	585.9
Pollution Prevention Costs	35.9	360.6	396.5
Earth Environmental Preservation Costs	26.6	1.6	28.2
Resource Recycling Cost	2.9	158.3	161.2
2) Upstream・Downstream Costs	0.0	0.2	0.2
3) Management Operation Costs	0.0	119.1	119.1
4) Research and Development Costs	0.2	0.7	0.9
5) Social Activity Costs	0.0	0.0	0.0
6) Environmental Damage Costs	0.0	0.0	0.0
7) Others	0.0	0.0	0.0
<b>Total</b>	<b>65.7</b>	<b>640.5</b>	<b>706.1</b>

Reporting Period: April 2022 to March 2023, Scope: CMK Group in Japan

【Unit: Million JPY】

Financial Impact for FY2022	
Actual Impact of Energy-Saving Measures	28
Gain on Sale of Valuable Assets	994

【Unit: Reduction Rate】

Physical Quantity Effect for FY2022	
CO <sub>2</sub> Emissions	-5.5%



## 2. Responding to Climate

We recognize that environmental conservation activities are one of the important management issues and in order to clarify our basic stance, we make a medium to long-term environmental action plan based on our "Environmental Policy" and We are promoting environmental conservation activities.

All of our employees are working together to realize a better society with coexisting with the earth.

### Medium-to Long-term Environmental Action Challenge to Carbon Neutrality

"In July 2022, we endorsed the TCFD (Task Force on Climate-related Financial Disclosures) to address climate change issues. Furthermore, to achieve our mid-term goals by 2030, we have evolved and expanded our initiative 'Smart e-change30 plus' into 'Smart e-changes Net zero,' aiming for carbon neutrality, and actively promoting it."

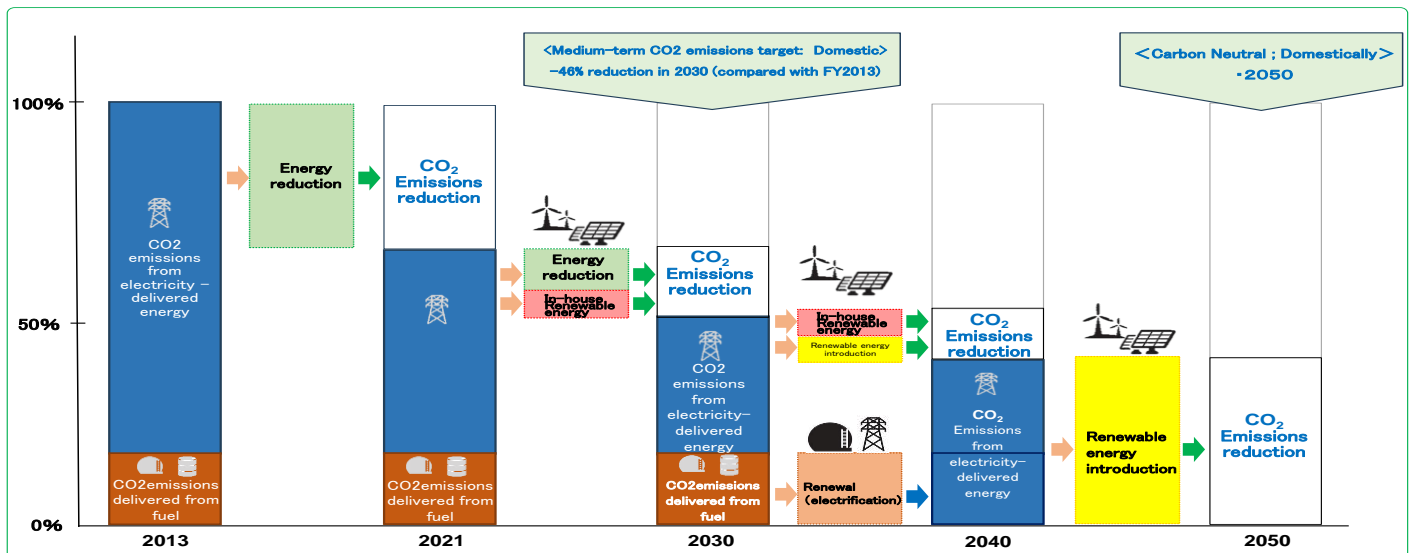


### Roadmap to Carbon Neutrality by 2050

"In order to contribute to climate change mitigation, our company is committed to achieving carbon neutrality and actively promoting initiatives aimed at reducing our own CO2 emissions."

		2023	2024	2025	2026	2027	2028	2029	2030	2040	2050
Power reduction	Initiative on energy saving (Equipment upgrade, etc.)	[Timeline bar from 2023 to 2050]									
	Renewal of old-style refrigerant air conditioners	[Timeline bar from 2023 to 2050]									
In house renewable energy	In - house solar power (Domestic area 1)	[Timeline bar from 2024 to 2050]									
	In - house solar power (Domestic area 2)	[Timeline bar from 2025 to 2050]									
	In - house solar power (Domestic area 3)	[Timeline bar from 2026 to 2050]									
Introduction of renewable energy	PPA, In - house consumable type, Co2 - free menu	[Timeline bar from 2030 to 2050]									
Others	Renewal of gas equipment (electrification)	[Timeline bar from 2030 to 2050]									
	Renewal of company cars (with EVs)	[Timeline bar from 2024 to 2050]									

Image Diagram of CMK's carbon neutrality achievement (CO2 Emissions)



# Support for the Task Force



Our company supports the Task Force on Climate-related Financial Disclosures (TCFD) and is actively promoting initiatives for climate change mitigation.

## Indicators and Target

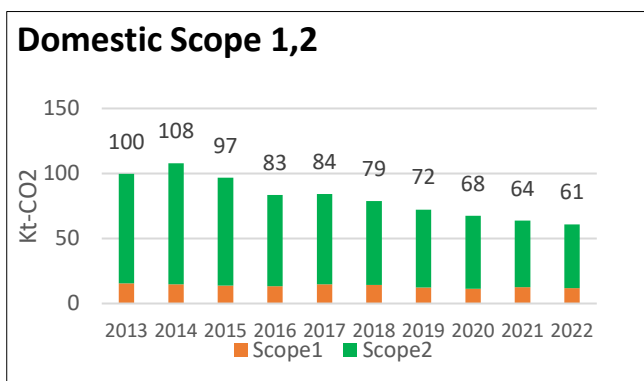
Indicator	Targets		
	Target Description	Scope	Target Value
① CO2 emissions (Scope 1,2)	Mit-term targets for reducing CO2 emissions	Domestic	46% reduction by 2030 compared to 2013 levels
	Long-term targets for reducing CO2 emissions	Domestic	Carbon-neutral by 2050
② Energy consumption	Reducing energy consumption	CMK group	1% reduction in energy intensity compared to the previous year

## Scope 1,2

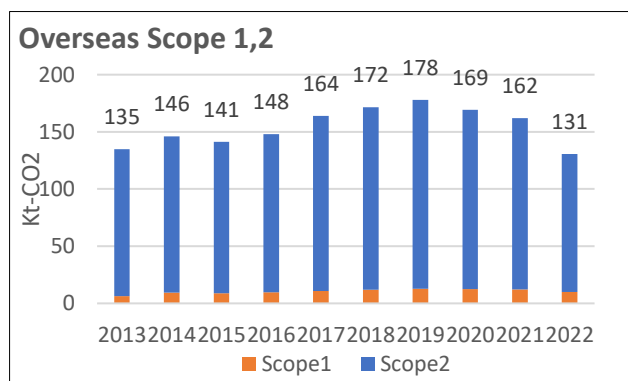


In the fiscal year 2022, the CO2 emissions from our company's group domestic facilities were 60.9 thousand tons of CO2. This represents a decrease of 4.5% compared to the previous fiscal year and approximately a 39% reduction compared to the fiscal year 2013.

On the other hand, the CO2 emissions from our company's group overseas facilities in the fiscal year 2022 were 130.7 thousand tons of CO2, showing a reduction of approximately 3% compared to the fiscal year 2021.



\*At our domestic facilities, including the affiliated company CMK Products



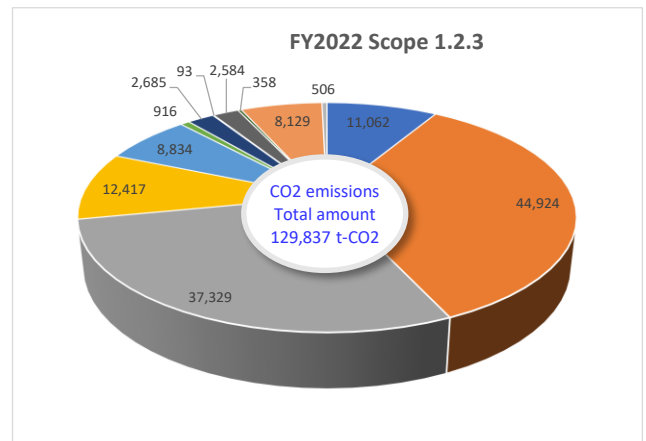
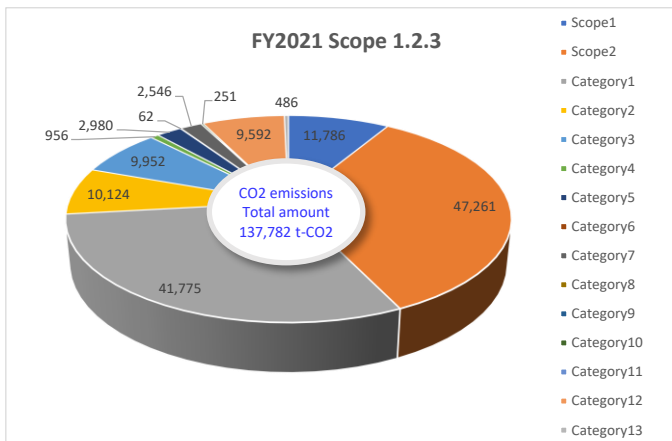
\*Overseas High Emission Facilities: CMK Wuxi, Kiritoku, CMK Thailand

# Emissions from Supply Chain (Scope 3)



“We believe that to advance decarbonization towards carbon neutrality, efforts across the entire supply chain are necessary beyond individual company initiatives.

As a first step towards this, we have started calculating the emissions from the supply chain (Scope 3).”



【CO2Emissions :t-CO2】

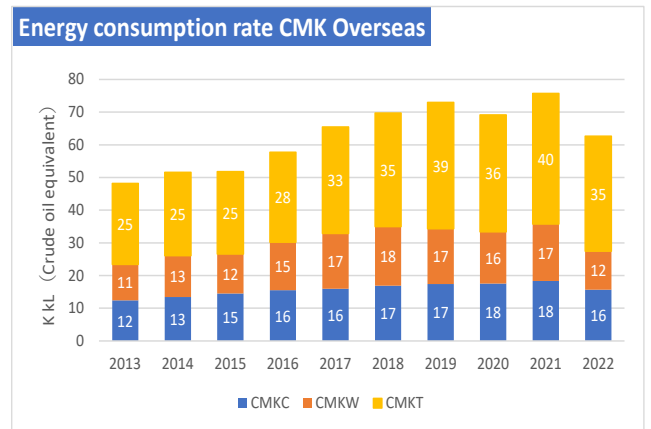
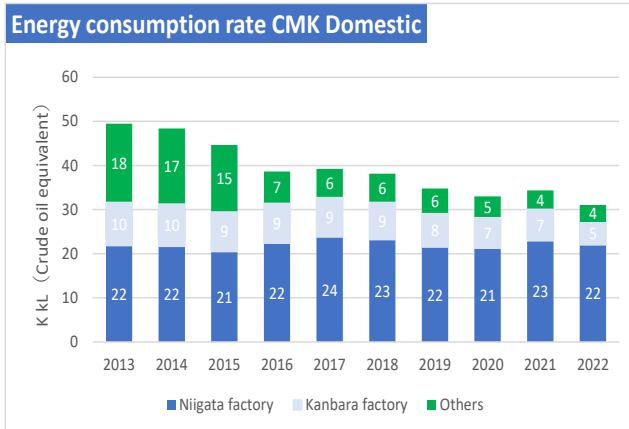
Category	Scope3 Category	Calculation target	Calculation method	FY2021	FY2022	
Upstream	1	Purchased product/ service	Emissions in production procedures of materials,parts, purchased products,materials related to sales,etc	•Emissions intensity ⇒DB 3.2(based on purchased volume) •Investigation on supplier ⇒Scope 1.2 and Scope3 of supplier(Category1)*1	41,775	37,329
	2	Capital goods	Emissions along with in -house construction/production of capital goods	•Emissions intensity ⇒DB 3.2(based on acquisition amount)	10,124	12,417
	3	Activities related to fuels and energy outside Scope 1,2	① Emissions along with procurement of fuels from outside emissions along with procurement of necessary fuel for power generation for electricity from outside	•Emissions intensity ⇒① IDEAv2(Based on purchased volume) ⇒② DB 3.2 (Based on purchased power)	9,952	8,834
	4	Transport/Delivery (Upstream)	① Emissions along with logistic(transport,cargo, handling,storage),of products/service from suppliers to CMK purchased in the fiscal year ② Emissions along with logistic service (transport, cargo handling,storage)(whose cost CMK pays) of those purchased except ① in the fiscal year to report	<Exempted> •Impact is small  •Emissions intensity ⇒DB 3.2(Based on monetary amount)	—	966
	5	Waste from operations	Emissions along with transport/disposal of in -house waste	•Emissions intensity ⇒DB 3.2(Based on weight) ⇒IDEAv2(Based on weight)	2,980	2,685
	6	Business trip	①Transportation(Airplane,ship, railway,bus, taxi, owner-driver car) ②Accommodation expenses (expenses or number of nights)	•Emissions intensity ⇒DB 3.2(Based on monetary amount)	62	93
	7	Employee Commuting	Transportation(Railway, bus,owner-driver car) covered by commuting allowance	•Emissions intensity ⇒DB 3.2(Based on monetary amount) ⇒IDEAv2(Based on individual/Km)	2,546	2,584
	8	Lease Assets (Downstream)	Emission along with operation of lease assets of CMK's (except for cases calculated in Scope 1,2)	<Exempted> •Emissions of lease assets we rent are calculated in scope1,2	—	—
Downstream	9	Transport/Delivery (Downstream)	Emissions along with logistics(transport, cargo handling,storage,sales)(only those of which we do not pay for)or products sold by us to reach customers	<Exempted> •Our products are intermediate product(parts)that are not sold to end users	—	—
	10	Processing of sold products	Emissions along with processing by other businesses(valuables in emissions which are sent out)	•Emissions intensity ⇒DB 3.2(Based on weight) ⇒IDEAv2(Based on weight)	251	358
	11	Lease assets (Downstream)	Emissions along with usage of sold products by users(consumers/businesses)	<Exempted> •Not calculated because for products consume too little energy functionally	—	—
	12	Disposal of sold product	Emissions along with disposal of sold products by users(consumers/businesses)	•Emissions intensity ⇒IDEAv2(Based on weight) *Intermediate processing service for disposal(disassembling/dismantling-crushing/sorting) *Incineration service	9,592	8,129
	13	Lease assets (Downstream)	Emissions along with renting lease assets	•Hearing investigation about Scope 1.2 of lessee	486	506
	14	Franchise	Emissions by franchisee	<Exempted> •No such activities	—	—
	15	Investment	Emissions along with investment activities	<Exempted> •No such activities	—	—

- DB 3.2: Emission factor database for calculating greenhouse gas emissions through the supply chain (Ver. 3.2).
- IDEAv2: IDEA (Inventory Database for Environmental Analysis) Database Excel version (used for calculating supply chain greenhouse gas emissions).
- For the calculation of purchased products and services, estimates were made using data from a specific period for key raw materials.

# Energy Consumption

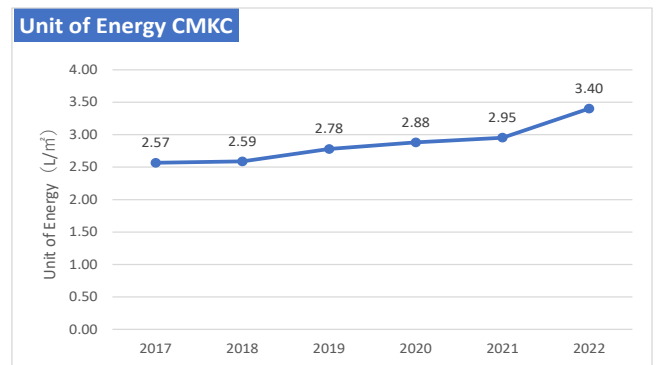
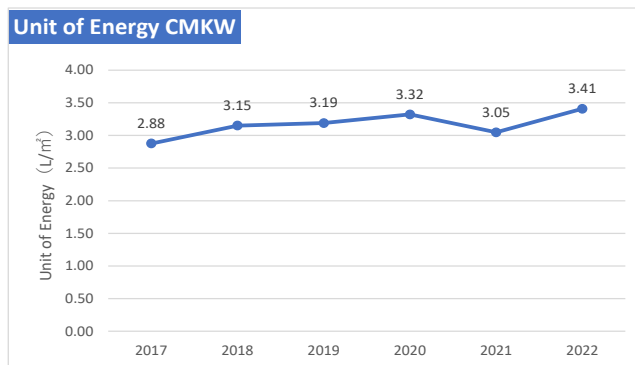
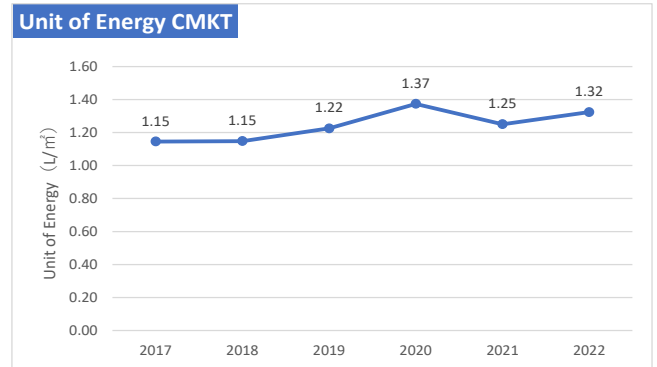
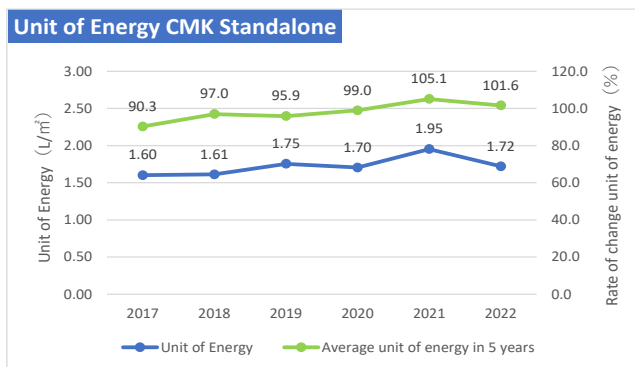


In the CMK Group, we are committed to monitoring and reducing energy consumption.

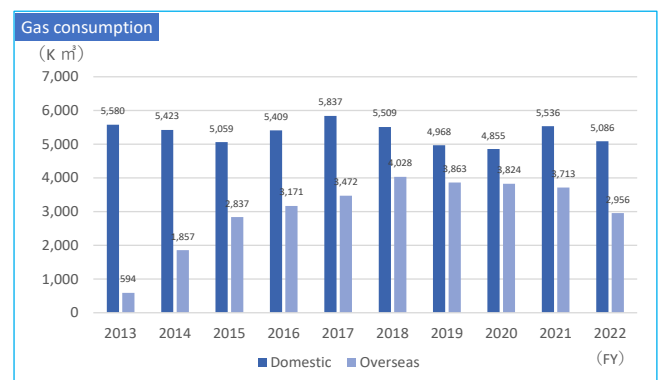
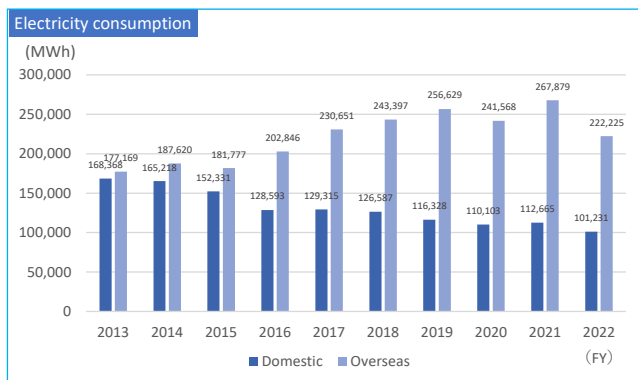


## Energy Consumption Transition

In the CMK Group, we monitor energy consumption rate as one of the indicators for reducing energy consumption and CO2 emissions. Additionally, for domestic facilities, we calculate the 5-year average energy consumption rate transition as one of the indicators of the Energy Conservation Act."



For overseas facilities, the calculation of the 5-year average energy consumption rate transition is excluded due to insufficient





# Initiatives



In the CMK Group, we are first and foremost engaged in energy reduction activities as a primary initiative to reduce CO2 emissions. We actively promote energy-saving practices in our daily operations, including the transition to LED lighting and the upgrading of aging facilities to energy-efficient models. For the fiscal year 2022, we anticipate a reduction of approximately 3,600,000 kWh in electricity consumption, resulting in an estimated 1,747 tons of CO2 emissions reduction."

## Response to Freon

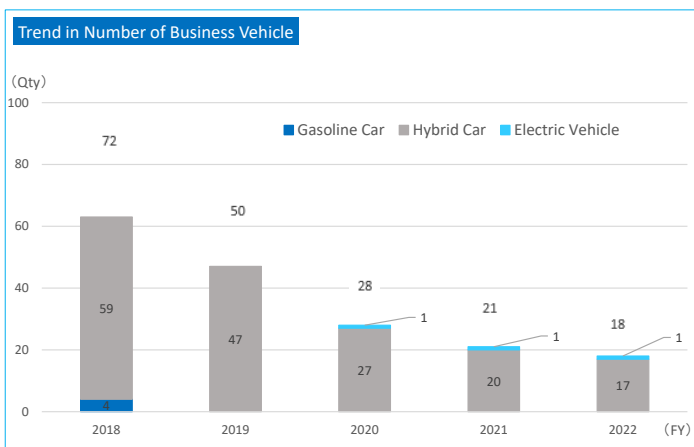
To prevent Freon leakage, we conduct regular inspections based on the 'Freon Emission Control Law,' including simplified inspections and periodic inspections by specialized agencies. Additionally, we are transitioning to alternative refrigerants as part of the phase-out of ozone-depleting hydrochlorofluorocarbons (HCFCs) such as R-22 refrigerant.

The reporting of Freon leakage under the 'Freon Emission Control Law': Companies are required to report to the government if there is an annual leakage of 1,000 tons of CO2 equivalent or more at the corporate level.

## Environmental Considerations for Sales Vehicles

As part of our efforts to reduce CO2 emissions from our business vehicles, we aim to raise awareness among employees regarding the environment by transitioning from internal combustion engine (ICE) vehicles to the use of hybrid vehicles (HV) and electric vehicles (EV). Simultaneously, we determine the appropriate number of vehicles to prevent unnecessary CO2 emissions and own only the necessary amount.

As a result, as of the fiscal year 2022, our fleet comprises 17 hybrid vehicles and 1 electric vehicle, reflecting our commitment to environmentally conscious practices in the operation of our business vehicles.



## Summer Energy Conservation

During the summer when energy demand for air conditioning increases, we are working to set the office temperature to 28° C based on national guidelines, ensuring it does not impact product quality. Additionally, we are making efforts to promote a more casual dress code during the summer by advancing and extending the Cool Biz period compared to previous years.

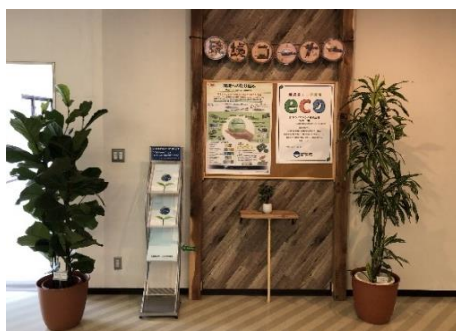
Through these easily implementable initiatives, we aim to raise awareness among employees."



Set at 28°C

## Initiatives for Energy Reduction

We actively promote awareness and education among employees by displaying posters and setting up an environmental corner within the company.



# 3. Waste reduction / Efficient resource utilization



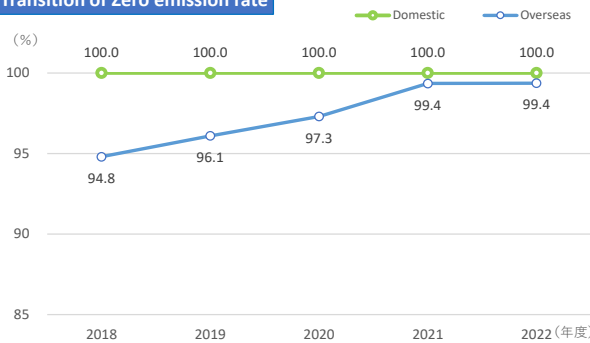
In the CMK Group, we are actively engaged in the sorting, reduction, and recycling of waste to promote environmental impact reduction. We strive towards achieving zero emissions from waste as part of our efforts to minimize

## Initiatives towards zero emissions

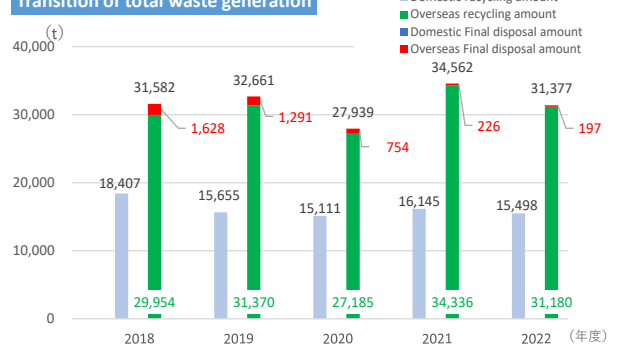


In the fiscal year 2022, the total generation of domestic group waste and valuable materials was 16,145 tons, maintaining a 100% zero-emission rate. The total generation of waste and valuable materials in the overseas group was 34,562 tons, with a 99.4% zero-emission rate (a 2.1-point improvement compared to the previous fiscal year). It is noteworthy that the country and regional factors, including the expansion of factories in overseas groups, have an impact. However, proactive efforts towards achieving zero emissions are being actively promoted, and both Kiritoku Electronics and CMK Wuxi have successfully achieved zero emissions.

Transition of Zero emission rate



Transition of total waste generation



### Definition of Zero emissions

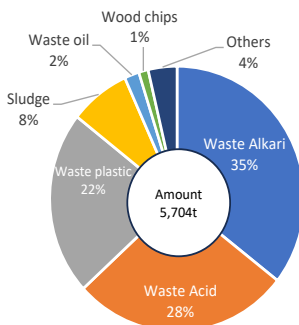
To reduce the amount of waste directly disposed in landfills to zero. Achievement is considered when a 100% zero-emission rate can be consistently maintained.  
The amount of landfill disposal for residual waste from intermediate processing delegated to contractors is not included.

Reutilization Amount: The quantity of waste and valuable materials that are recycled.  
Final Disposal Amount: The quantity of waste that is disposed of in landfills.  
Total Generation Amount: The sum of the final disposal amount and the reutilization amount.

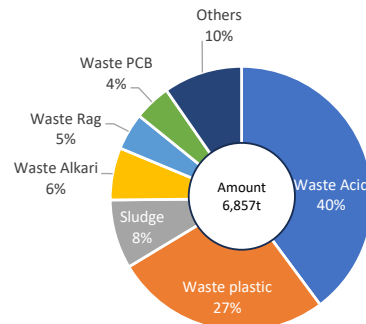
## Amount of generated waste

The CMK Group follows the "Waste Management Act" at its domestic facilities, conducting proper sorting, collection, and intermediate processing in accordance with the regulations. Similarly, at overseas facilities, we manage and process waste in compliance with the regulations and rules of the host country or region.

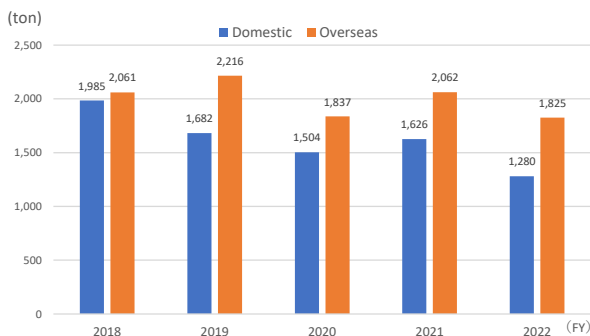
Domestic Group Breakdown of Waste Generation



Overseas Group Breakdown of Waste Generation



Amount of waste plastic



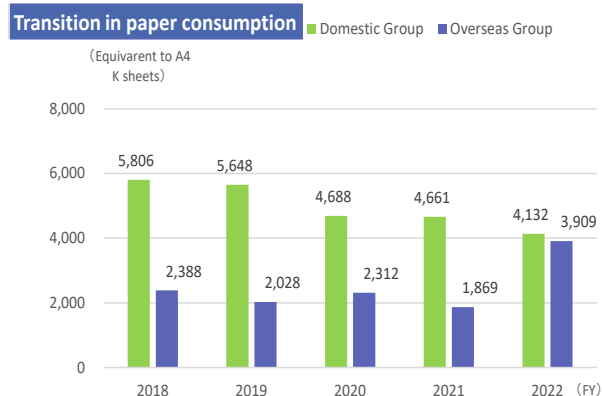
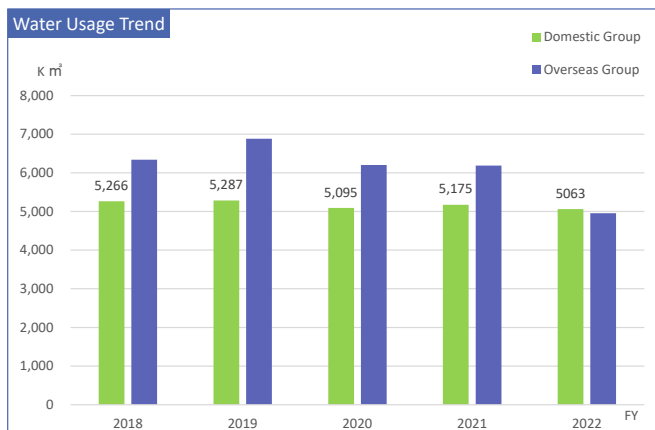
## Resource Saving Activity



In the CMK Group, we actively engage in resource-saving activities, believing that efficient use of limited resources and efforts to eliminate resource waste contribute to waste reduction. We are committed to promoting resource conservation, recognizing its positive impact on minimizing waste.

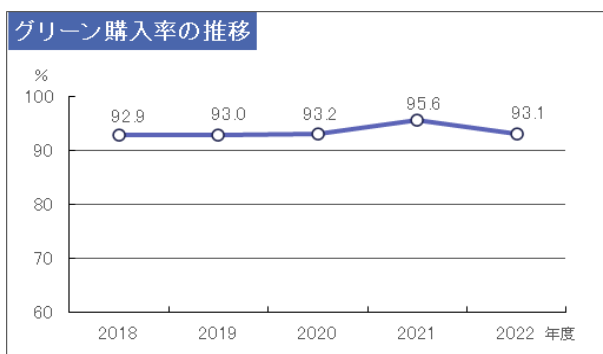
### Water and Paper resources

We actively promote the effective use and reduction of water resources and paper resources in the CMK Group. In our efforts to utilize water resources efficiently and reduce consumption, we have introduced water recycling devices and incorporated water-saving features into our production facilities. Additionally, at overseas factories, we implement recycling activities as a measure to address water resource risks.



### Green Purchasing Initiative

In our company, the procurement of environmentally friendly office supplies is categorized as 'Green Purchasing,' and we actively promote the purchase of environmentally conscious office materials. We have also established 'Green Purchasing Guidelines' to guide our procurement practices, and we assess our purchasing achievements based on these guidelines. The green purchasing rate for the fiscal year 2022 was 93.1%.



#### Criteria for Green Purchasing

- ① Certification by official environmental such as the Eco Mark
- ② Items featured in catalogs and other materials as environmentally friendly products
- ③ Exceptions recognized by our company, excluding those covered by 1 and 2

#### Target Items

- Paper ● Printed materials ● Office furniture
- Automobiles ● Stationery ● Computers ● Office

\*Green Purchase Ratio: The percentage of the total purchase amount for stationery and paper accounted for by the purchase of green product, including those with the Eco Mark.

## 4. EHS Management



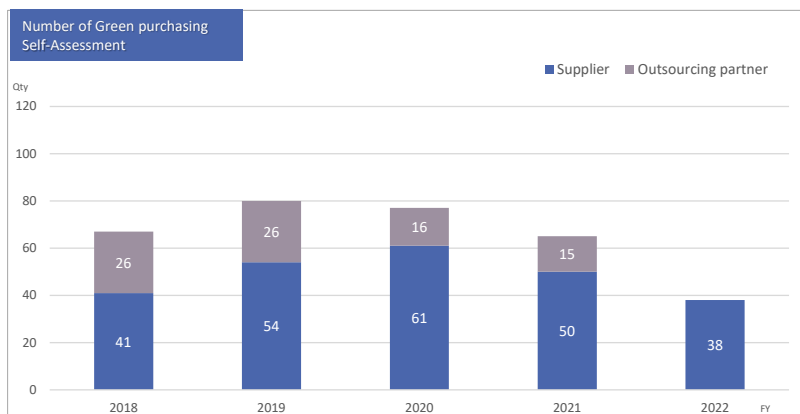
In the CMK Group, we define and manage chemicals that can impact the global environment and human health as 'EHS' based on domestic and international regulations, customer requirements, industry standards, and other relevant criteria.

・EHS : Environmental Hazardous Substances

### Green Purchasing Activity



Annually, we conduct a green procurement survey using a self-assessment tool with our business partners.



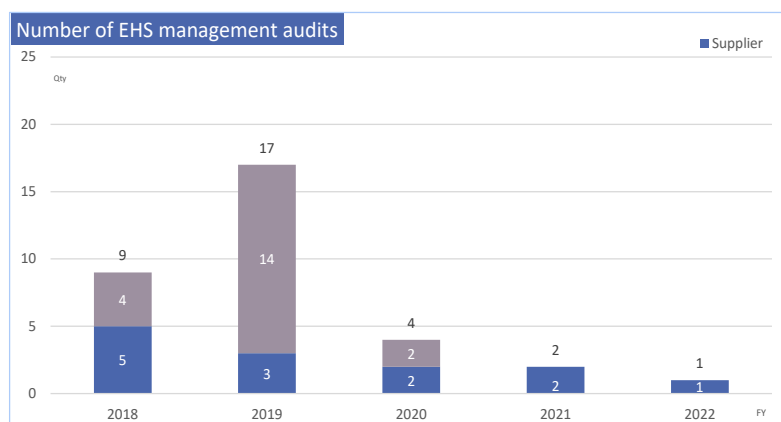
### 【 Green Procurement Guideline 】



### EHS Management Certification System



Based on the results of the Green Purchasing Survey, we conduct EHS management audits. As a result of the audits, business partners with high overall assessment scores are certified as 'CMK Green Partners'.



### 【 Environmental Compliance Certificate 】



### Response Status to Customer Requirements



We respond to environmental surveys received from customers. In the fiscal year 2022, the inquiries directed to the environmental contact point totaled 938.

【Unit: Qty】

Trend in Inquiry Numbers					
Subject	2018	2019	2020	2021	2022
Use and Content of Environmental Impact Substances	815	936	1,052	866	739
ISO14001 Certification	17	13	34	17	12
Green Procurement	138	162	106	129	137
CSR Survey	19	15	19	19	27
Others	24	16	8	14	23
<b>Total</b>	<b>1,013</b>	<b>1,142</b>	<b>1,219</b>	<b>1,045</b>	<b>938</b>

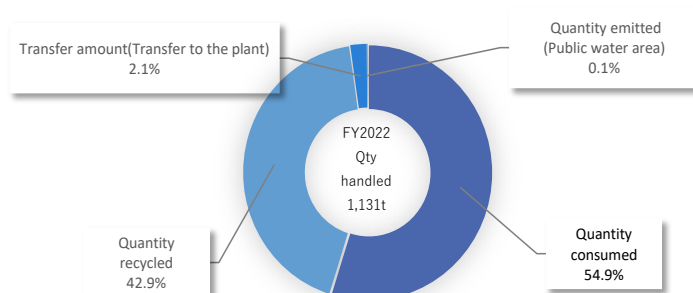
## Compliance with the PRTR System



Since 1998, our company has been tracking and disclosing the emissions and transfers under the PRTR (Pollutant Release and Transfer Register) system.

### Emissions and Transfers of PRTR-designated Substances

PRTR (Pollutant Release and Transfer Register)  
Law on the Promotion of Understanding and  
Improvement of the Management of Releases of  
Specific Chemical Substances to the Environment



### Fiscal Year 2022 PRTR System Data by Substance

In the fiscal year 2022, we reported on the transfers and emissions of seven substances.

【Unit: t】

Cabinet Order Number	Substance Name	Qty handled	Qty emitted			Transfer amount		Qty recycled	Qty consumed
			Atmosphere	Public Water Area	Soil	Sewerage	Outside facilities		
20	2-aminoethanol	7.95	0.00	0.00	0.00	0.00	1.07	0.00	6.87
71	Ferric chloride	622.87	0.00	0.00	0.00	0.00	0.00	244.73	378.15
272	Copper salts(water-soluble, except complex salts)	351.62	0.00	0.53	0.00	0.08	16.06	226.56	108.39
395	Water-soluble salts of peroxodisulfuric acid	123.29	0.00	0.00	0.00	0.00	0.00	0.00	91.50
405	Boron compounds	1.19	0.00	0.05	0.00	0.00	0.00	0.00	1.14
411	Formaldehyde	21.58	0.00	0.50	0.00	0.04	3.97	0.00	17.06
412	Manganese and its compounds	2.46	0.00	0.00	0.00	0.00	2.46	0.00	0.00
	<b>Total</b>	<b>1130.96</b>	<b>0.00</b>	<b>1.08</b>	<b>0.00</b>	<b>0.13</b>	<b>23.56</b>	<b>471.29</b>	<b>603.10</b>

### Fiscal Year 2022 PRTR System Data by Facility

【Unit: t】

Cabinet Order Number	Substance Name	Qty handled	Qty emitted			Transfer amount		Qty recycled	Qty consumed
			Atmosphere	Public Water Area	Soil	Sewerage	Outside facilities		
<b>Shipping Center(Fermer G Staition Factory)</b>									
71	Ferric chloride	6.98	0.00	0.00	0.00	0.00	0.00	0.00	6.98
<b>Niigata Factory</b>									
20	2-aminoethanol	6.68	0.00	0.00	0.00	0.00	0.00	0.00	6.68
71	Ferric chloride	165.49	0.00	0.00	0.00	0.00	0.00	24.82	140.67
272	Copper salts(water-soluble, except complex salts)	11.15	0.00	0.23	0.00	0.00	2.17	5.02	3.73
395	Water-soluble salts of peroxodisulfuric acid	61.15	0.00	0.00	0.00	0.00	0.00	0.00	29.35
405	Boron compounds	1.19	0.00	0.05	0.00	0.00	0.00	0.00	1.14
411	Formaldehyde	11.48	0.00	0.46	0.00	0.00	0.00	0.00	11.02
412	Manganese and its compounds	2.46	0.00	0.00	0.00	0.00	2.46	0.00	0.00
<b>Kanbara Factory</b>									
20	2-aminoethanol	1.27	0.00	0.00	0.00	0.00	1.07	0.00	0.20
71	Ferric chloride	68.95	0.00	0.00	0.00	0.00	0.00	0.00	68.95
272	Copper salts(water-soluble, except complex salts)	307.20	0.00	0.30	0.00	0.00	11.75	205.69	89.46
395	Water-soluble salts of peroxodisulfuric acid	62.14	0.00	0.00	0.00	0.00	0.00	0.00	62.14
411	Formaldehyde	5.67	0.00	0.04	0.00	0.00	0.17	0.00	5.47
<b>CMK PRODUCTS CORPORATION</b>									
71	Ferric chloride	381.46	0.00	0.00	0.00	0.00	0.00	219.90	161.56
272	Copper salts(water-soluble, except complex salts)	33.27	0.00	0.00	0.00	0.08	2.13	15.85	15.20
411	Formaldehyde	4.43	0.00	0.00	0.00	0.04	3.81	0.00	0.57

- The Chichibu Factory is not subject to reporting.
- Due to rounding, the totals may not match.
- The aqueous solution waste of 395 Peroxydisulfates at the Niigata and Kanbara factories is treated at the wastewater treatment facility. Therefore, values other than the consumption amount are recorded as '0'.

## 5. Biodiversity Conservation



As part of our biodiversity conservation efforts rooted in the local community, we collaborate with local administrations, volunteer organizations, and other stakeholders around each facility. In the fiscal year 2022, in the Niigata region, we engaged in activities such as nurturing and releasing salmon into the Noshiro River, where salmon migrate.

In the Gunma region, we focused on efforts to eradicate invasive species and protect native wildlife. The Chichibu region in Saitama is home to one of Japan's largest habitats for the semi-endangered species, the Japanese skunk cabbage (Setsubunso). We conducted green area cleaning and management around the Chichibu factory, along with activities to protect the natural habitat.



SETSUBUN-SO



NIRIN-SO



Collaboration with the Nonprofit Organization (NPO) Goshiki Togeso no Kai

## 6. Environmental Pollution Prevention



In the CMK Group, we incorporate environmental risk assessment as a preventive measure for environmental pollution incidents.

Additionally, under the framework of our environmental management system, we regularly monitor legislative revisions and related information to ensure clear understanding and compliance with the latest requirements when conducting business activities.

Simultaneously, we regularly review our compliance status and, if any deficiencies are identified, we take corrective actions to improve, always prioritizing compliance with laws and regulations."

### Environmental Management System



CMK Group has obtained ISO 14001 certification

### List of Certifications obtained

Company Name	Facility Name	Standard	Registration Date	Date of Initial Certification
CMK CORPORATION	Niigata Factory	ISO14001:2015	2005/12/22	1999/08/25
	Kanbara Factory			2002/12/13
	Headquarters Rejion			2017/12/22
	Chichibu Factory	ISO14001:2015	2004/09/10	2004/09/10
CMK PRODUCTS CORPORATION	Main plant, Plant1, Plant2	ISO14001:2015	1999/12/01	1999/12/01
CMKC (DONG GUAN) LTD.	Factory	ISO14001:2015	2021/01/18	2003/12/30
CMK ELECTRONICS(WUXI) CO.LTD.	Factory	ISO14001:2015	2004/11/11	2004/11/11
CMK CORPORATION (THAILAND) CO.LTD	Factory	ISO14001:2015	2008/01/25	2008/01/25

Head Office and Wide Area: Head Office, Kawagoe Office, Shipping Center, Nagoya Sales Office, Osaka Sales Office, Hiroshima Sales Office



## 7. Environmental Impact Data for Business Locations



Plant Name	Energy-related			Waste-related		Resource-related	
	CO2 Emissions	Electric energy consumption	Thermal energy consumption	Zero emission rate	Total generation quantity	Water consumption	Paper usage
	t-CO <sub>2</sub>	K kWh	Crude oil equivalent kl	%	t	K m3	K sheets (A4 equivalent)
Niigata Factory	42,953	69,044	4,768	100%	6,470	4,176	2,531
Kanbara Factory	10,108	18,108	657	100%	3,218	420	329
Shipping Center	2,076	4,418	23	100%	627	274	253
Chichibu Factory	175	377	1	100%	1,089	0.8	78
CMKP	4,728	8,855	317	100%	4,094	192	941
CMKT	69,166	128,817	2,085	98.7%	15,594	4,098	2,474
CMKC	46,556	53,238	1,956	100%	10,744	570	912
CMKW	34,892	39,952	1,522	100%	5,039	289	523

Plant Name	Water Quality Measurement Results						
	pH	BOD	COD	SS	n-hexane (Mineral oils)	n-hexane (Animal and vegetable oils)	Coliform bacteria count
	-	mg/l	mg/l	mg/l	mg/l	mg/l	pc/cm <sup>3</sup>
Niigata Factory	7.9 (5.8~8.6)	36 (30)	24 (30)	4 (30)	<1 (5)	<1 (30)	<20 (3,000)
Kanbara Factory	7.2 (6~8.3)	18 (45)	23 (50)	4 (10)	<2 (3)	<2 (25)	<30 (1,500)
Shipping Center	7.8 (6~8.4)	4.0 (20)	2.8 (35)	2.0 (30)	-	-	100 (1,000)
Chichibu Factory	非該当						
CMKP	8.0 (6.0~8.4)	25 (≤250)	-	19 (≤250)	-	-	-
CMKT	7.4 (5.5~9.0)	27 (≤500)	88 (≤750)	37 (≤200)	-	<3 (≤10)	-
CMKC	7.6 (6~9)	-	43 (50)	26 (30)	0.39 (2)	6.64 (100)	-
CMKW	8.2 (6~9)	-	40 (50)	7 (30)	-	-	-

The water quality measurement values are reported as maximum values/the values in parentheses represents internal standards

Plant Name	Atmospheric Measurement Results					
	Specific Facility Name			Specific Facility Name		
	NO <sub>x</sub>	SO <sub>x</sub>	Particulate matter	NO <sub>x</sub>	SO <sub>x</sub>	Particulate matter
Niigata Factory	Steam boiler·Chilled water genelator			-		
	47volppm (58)	-	-	-		
Kanbara Factory	Absorption chiller R-1-2			Absorption chiller R-1-3		
	24cm <sup>3</sup> /m <sup>3</sup> (40)	<0.0039Nm <sup>3</sup> /h (15.92)	<0.005g/Nm <sup>3</sup> (0.03)	28cm <sup>3</sup> /m <sup>3</sup> (40)	<0.0048Nm <sup>3</sup> /h (15.92)	<0.005g/Nm <sup>3</sup> (0.03)
Shipping Center	Boiler equipment A-1-HB-1			Boiler equipment B-1-B-1		
	60ppm (180)	0.002m <sup>3</sup> N/h (8.86)	0.002g/m <sup>3</sup> N (0.3)	51ppm (180)	0.02m <sup>3</sup> N/h (8.86)	0.002g/m <sup>3</sup> N (0.3)
Chichibu Factory	N/A					
CMKP	N/A					
CMKT	Boiler			-		
	2.75ppm (200)	-	4.42mg/m <sup>3</sup> (320)	-		
CMKC	Steam boiler(B-16)			Boiler(B-17)		
	80mg/m <sup>3</sup> (200)	-	12.3mg/m <sup>3</sup> (20)	78mg/m <sup>3</sup> (200)	-	11.7mg/m <sup>3</sup> (20)
CMKW	Boiler			-		
	45mg/m <sup>3</sup> (50)	-	1.7mg/m <sup>3</sup> (20)	-		

The atmospheric measurements values are reported as maximum values/the values in parentheses represents internal standards