

NuFlare Technology, Inc.

# Environmental Report 2024



# Company Profile

Company  
Profile

(Mar 31, 2024)

Company  
Name

NuFlare Technology, Inc. (NFT)

Headquarters

8-1, Shinsugita-cho, Isogo-ku, Yokohama-shi,  
Kanagawa, Japan

Established

August 1, 2002

Employees

907

<Principal Products>

- Electron Beam Mask Writer
- Mask Inspection System
- Epitaxial Growth System

ISO14001 approval certification No. EC98J2014  
(Toshiba Electronic Devices & Storage Corporation  
Group)

Headquarters,  
#200Bldg.



Headquarters,  
#70Bldg.



## Message from Environmental Protection Officer

We, NuFlare Technology, Inc., have engaged in the development, manufacture and sale of the electron beam mask writers, mask inspection systems, and epitaxial growth systems which are necessary for the downscaling and sophistication of semiconductor devices. We will make further efforts in the future to provide top value and contributions to social development through our semiconductor production systems.



Environmental  
Protection Officer  
Jun Takamatsu,  
President

## Major Environmental Activities in 2023

- ▶ **Creating and providing environmentally friendly products to society**  
Promotion of management of chemical substances contained in products
- ▶ **Promotion of global warming prevention**  
Reducing power consumption (CO2 emissions) through optimization of clean room air conditioning, etc.  
**159%** achievement rate (Result/Target: 130.6t/82.0t-CO2)
- ▶ **Promoting effective use of resources**  
Reducing waste emissions  
**103%** achievement rate (Results/Target: 459t/≤475t/year)
- ▶ **Environmental risk reduction**  
Reducing risk by conducting abnormality/emergency response training
- ▶ **Promoting social contribution activities and environmental communication**  
Activation of social contribution activities (participation in external volunteer activities)  
Participation in volunteer activities, dissemination of environmental information (HP information), etc.
- ▶ **Improving environmental awareness**  
Conducted in-house enlightenment according to monthly environment-related events, 100% environmental education participation

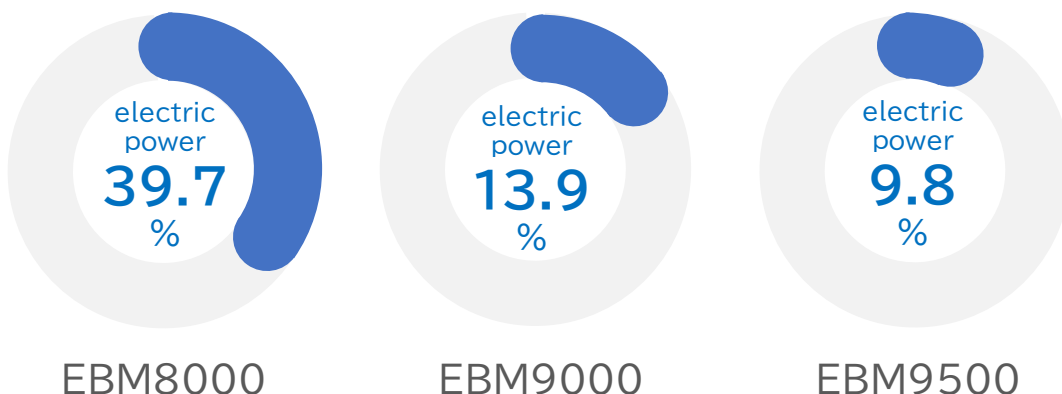
## Development of Environmentally Conscious Product

NFT\* promotes development/improvement of ECPs.

The chart shows the history of EBM series from environmental factors.  
(Electricity usage comparison under same patterning condition)

\* NFT is short for NuFlare Technology, Inc.

Power Consumption  
(under same patterning condition)



# Environmental Philosophy

## Statement of Environmental Philosophy of NuFlare Technology, Inc.

### - Vision -

We aim to promote values for tomorrow and values that coexist with the Earth, consistent with Toshiba Group philosophy of being "Committed to People, Committed to the Future". We will contribute to the development of a sustainable society and facilitate a new future through environmental management aimed at a decarbonized and recycling-oriented society harmonious with nature.

### - Policy -

Positioning environmental initiatives as one of the most important management issues, we promote environmentally friendly activities in all business processes from the perspective of product life cycles. We aim to contribute to society through the provision of highly efficient semiconductor manufacturing systems and a reduction in the energy and resources consumed by manufactured semiconductor devices.

#### 1. Compliance and sustainability

- 1) We comply with all applicable laws and regulations, industry guidelines it has endorsed, and its own standards concerning the environment.
- 2) We strive to continuously improve our environmental management system and effectively apply environmental management, through internal audits and reviews, in order to enhance environmental activities level and environmental performances.

#### 2. Execution

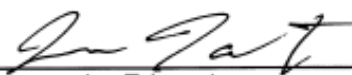
We plan to assess the environmental impact of all business processes, including biodiversity, setting environmental goals related to climate change, circular economy, and consideration for ecosystems.

We will develop proactive environmental measures that support our efforts to create and provide products that contribute to the reduction of environmental impact. Examples of these measures include:

- 1) Striving to achieve carbon neutrality to response to climate change.
- 2) Striving to minimize the use of resources used in our business activities, promoting the 3Rs(reduce/reuse/recycle), and making effective use of resources to response to the circular economy.
- 3) In consideration of ecosystems, strive to properly manage the use of chemical substances, and to conserve biodiversity.
- 4) Promoting collective understanding with dissemination of information on the environment, local communities / society, and also by working to improve the environmental awareness of all employees.

NuFlare Technology discloses this Statement of Environmental Philosophy to the public, communicates it to all employees, and promotes business activities in accordance with this Statement.

1<sup>st</sup> April, 2024



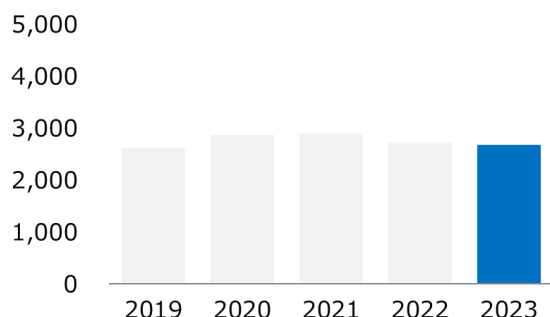
Jun Takamatsu

Environmental Protection Officer, President

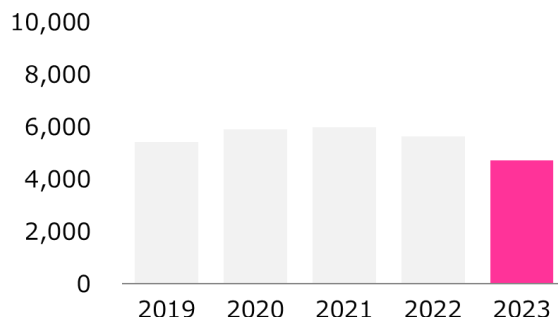
# Environmental Impact - Input and Output -



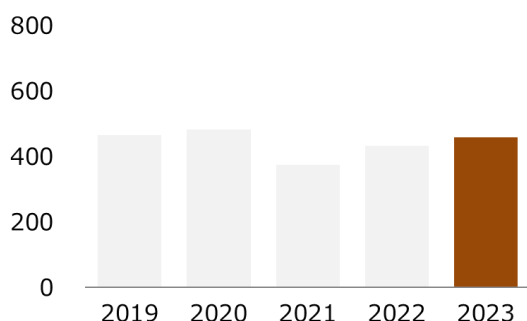
## • Energy Usage (kL/FY)



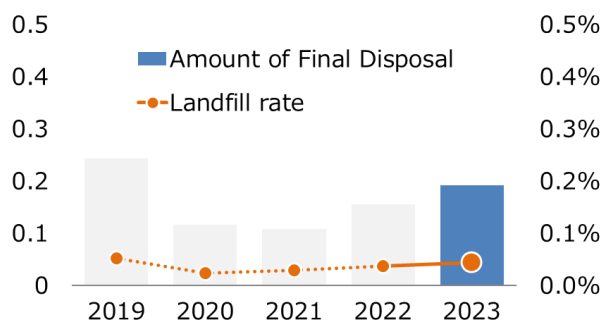
## • CO2Emission (ton-CO2/FY)



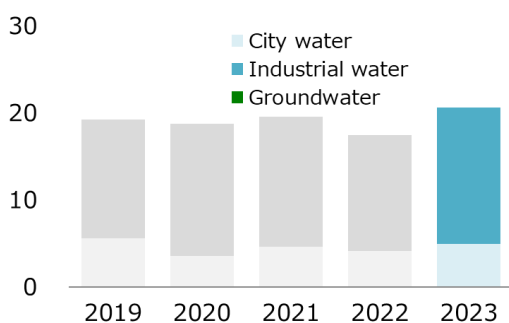
## • Amount of Waste (ton/FY)



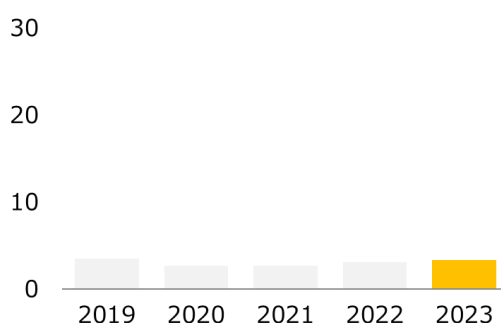
## • Amount of Final disposal and Landfill rate (ton/FY, %)



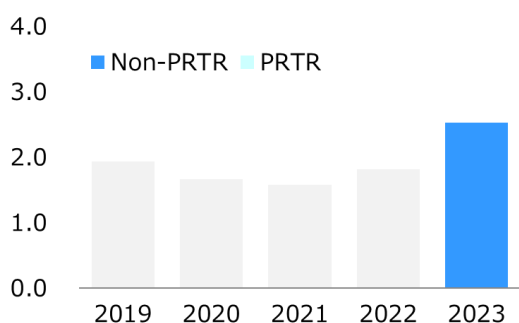
## • Use of Water (×103m3/FY)



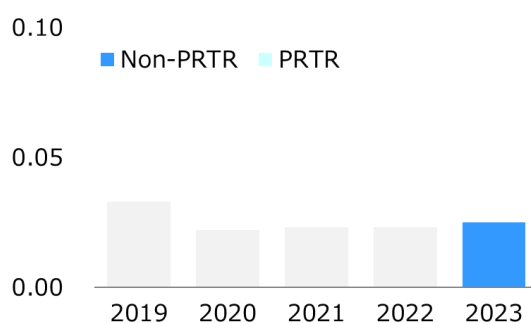
## • Drainage (×103m3/FY)



## • Handling of chemical substances (ton /FY)



## • Release of chemical substances (ton /FY)



# Environmental Communication

## Social action program

We supported and sponsored social action programs by government and various organizations.



### Kodomo “Eco-Katsu” Daisakusen !

(Environmental practices for children by Yokohama-City.)  
We sponsored this program, and also donated to tree-planting activities in Philippines through the program.

### Disability Aid

We support the activities of disability support groups.

### Cleanup activities on Mt. Fuji

We joined a local volunteer organization and carried out cleaning activities on Mt. Fuji.



Cleanup activities on Mt. Fuji

### Participation in the Toshiba Group Environmental Activities

We took part in environmental activities of Toshiba Group and events during Environment Month, Energy-saving Month, and so on.

- Activities will be resumed gradually from FY2023.



Neighboring Clean-Up Volunteering

# Conservation of biodiversity

## Nature conservation activities

We cooperate in the protection and conservation of flora and fauna species that are listed as endangered.



### Protection of Kugenumaran and surrounding environment

Kugenumaran (scientific name: “*Cephalanthera longifolia*”) are indigenous to south site of the #70 Area.

We watch them with care and keep their surrounding environment.  
And Kugenumaran bore beautiful flowers this year too.

Kugenumaran

Red List of the Ministry of the Environment : Vulnerable