Home > Our company > Sustainability/CSR > Environment > ■

Investors

Reducing carbon emissions and climate change

Long-Term Vision of Global Trends in energy usage and carbon Warming Countermeasures ↓ emissions ↓ Value chain carbon emissions ↓

25

Response to the fluorocarbon emission control act 4

Reductions in GHG emissions ↓

Renewable energy +

to take measures against climate change in terms of both mitigation and adaptation. In March 2020, we formulated our Long-term Vision of Global Warming Countermeasures, and are working to cut greenhouse gas emissions (scope 1 and 2*) from our business activities.

Long-Term Vision of Global Warming Countermeasures

target of 7.5% or more, mainly due to the introduction of renewable energy. In addition to energy-derived CO₂ emissions, we have been working on measures to reduce the emission of PFC, SF₆, and other semiconductor manufacturing gases that contribute to global warming by introducing combustion and plasma abatement equipment since FY2006. ▼ Target to cut greenhouse gas emissions for scope 1 and 2* 100 Long-term Vision Aim to reduce greenhouse gas

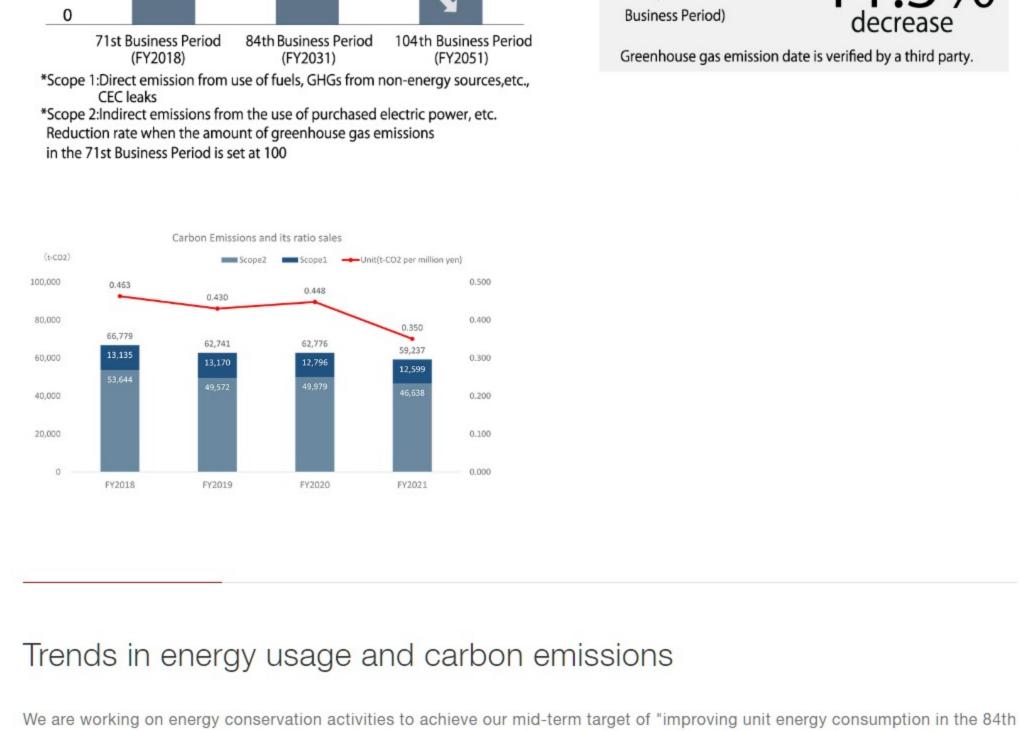
In the fiscal year under review, CO₂ emissions were reduced by 11.3% from the fiscal year ended March 31, 2006, achieving the

In recent years, the problems caused by climate change, such as extreme weather (droughts, heat waves, and heavy rain, etc.), as

imposing serious impacts in many parts of the world. In addition to strengthening business continuity, companies are also required

well as the increasing number of natural disasters, which were traditionally thought to occur once every 50 years, have been

emissions in the 104th Business Peruod 75 by at least 83% (2.5% annually) 71st Business Period used as standard for comparison Decrease 50 or more 59,237 t-co2 74 rd Business Period



subject to the Top Runner Program.

29,216

0.251

FY2018

Renewable energy

0.311

25,155

FY2013

FY2021

Factory)

35,000

30,000

25,000

20,000

15,000

10,000

5,000

Business Period) Greenhouse gas emission date is verified by a third party.

Greenhouse Gas Emissions

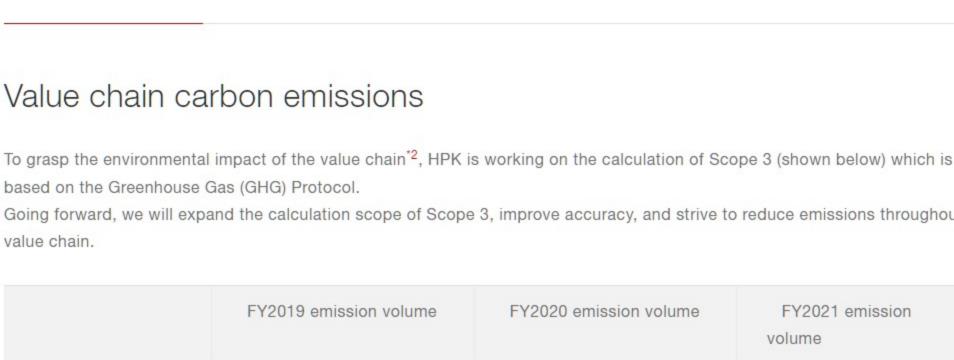
(compared to the 71st

Solar-power generating equipment (Shingai

Solar-power generating equipment (Main

Factory)

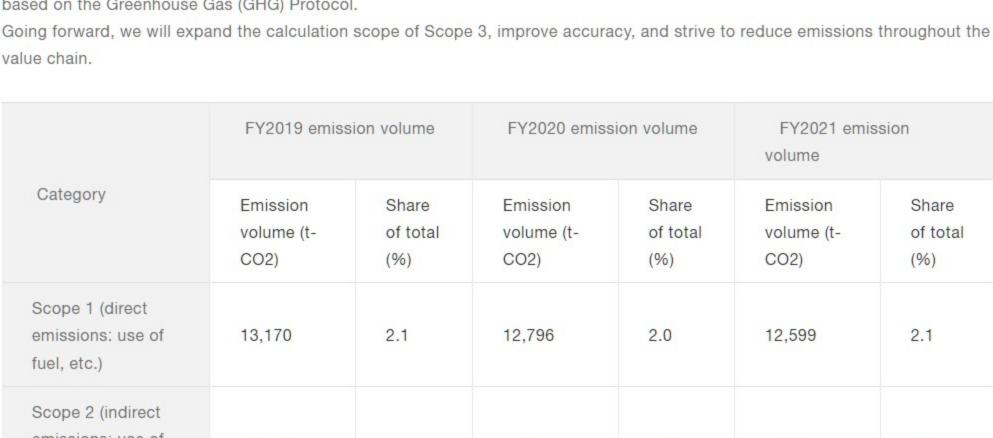
Factory)



Solar-power generating equipment (Toyooka

Hybrid wind/solar-powered exterior lighting

(Central Research Laboratory)



49,979

588,298

(361,786)

(116,511)

(11, 185)

7.7

90.4

(61.5)

(19.8)

(1.9)

8.0

89.9

(66.3)

(13.2)

(1.2)

FY2021 emission

Share

of total

(%)

2.1

7.7

90.2

(65.7)

(9.8)

(2.1)

volume

Emission

volume (t-

CO2)

12,599

46,638

542,845

(356,721)

(53,214)

(11,361)

Emissions per unit amount of

Emissions per unit amount of

Emission rate (corrected t/kg

Output rate by type of waste

Emissions per unit of electricity and

· Emission rate by shipping method

Emission rate by transportation mode

Emission rate by commuting mode

Manufacturing emissions intensity by

Proxy value for CO₂ emission

coefficient by electricity provider

(the Ministry of the Environment)

Emission rate by product type

purchase

purchase

fuel used

method)

sector



Emission

49,572

557,572

(369,771)

(73,350)

(6,834)

4. Transport and delivery (8,464)(1.5)(8,640)(1.5)(11, 167)(2.1)(upstream)

7. Commuting (4,769)(0.9)(5,680)(1.0)(5,812)(1.1)by employees 8. Lease assets (upstream) 9. Transport and delivery (downstream) 10. Processing (4,603)(0.8)(4,339)(0.7)(4,464)(1.0)of sold products 11. Use of (18.1)(87, 195)(15.6)(78,541)(13.4)(98,088)sold products 12. Disposal (302)(0.1)(287)(0.1)(344)(0.1)of sold products 13. Lease assets

(downstream) N/A 14. Franchises

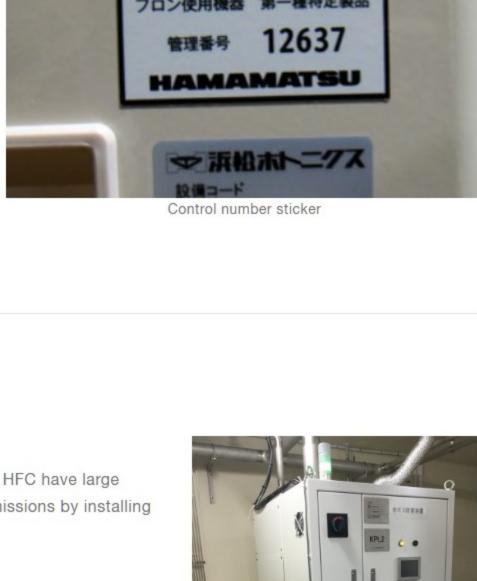
To provide and publish transparent and reliable information on the greenhouse gas emissions data calculated by Hamamatsu

Photonics (scope 1, 2, and 3), we obtained third-party verification by SGS Japan Inc., and their written opinion. We will continue

Verification statement [773 KB/PDF] <FY2021> Verification statement [1.36 MB/PDF] Response to the fluorocarbon emission control act The Revised Fluorocarbons Recovery and Destruction Law, which was drafted for the purpose of preventing global warming caused by leaks of GHGs substitutes, was enacted in April 2015. We are promoting compliance with this law by assigning a control number to each relevant equipment and building an internal database for managing that equipment information and inspection records. In each division and business site, we conduct education activities covering laws and regulations as well as internal management methods for the administrators.

フロン排出抑制法

	フロン使用機器 新規登録	導入したプロン使用機器をシステムに斬規登録します。	管理者
	フロン使用機器 一覧/編集	★銀漢済みの機器を一覧出力します。機器情報の編集もこちらから行います。	
	点検記録簿 検索	▶ 点検記録を検索・一覧出力します。	HAP
	簡易点検 実施状況	・現在四半期において簡易点検を実施済み、および実施してい ない機器の一覧です。	The state of the s
	漏えい量 集計	▶ (部会用) プロン福利 (量の年度集計です。	1
	温室効果係数 一覧	▶ フロン領の温室効果係敵を暗認できます。	Contract of the Contract of th
	定期点検 記録一覧	▶ 定期点検対象機器のすべての記録一覧です。	SP
			12.00
		ログイン画面に戻る	Contro
	Mana	gement database	
-			



Environment>

Contact us

Environmental management >

Privacy Policy

Reductions in GHG emissions

change Management of pollution including waste Environmentally Friendly and Contributing Protecting our water resources > Products > Management of chemicals in products > Green procurement activities > Request for survey on chemical

substances in products >

Site Map

Help

Reducing carbon emissions and climate

Copyright @ Hamamatsu Photonics K.K. and its affiliates. All Rights Reserved.

Terms of Use







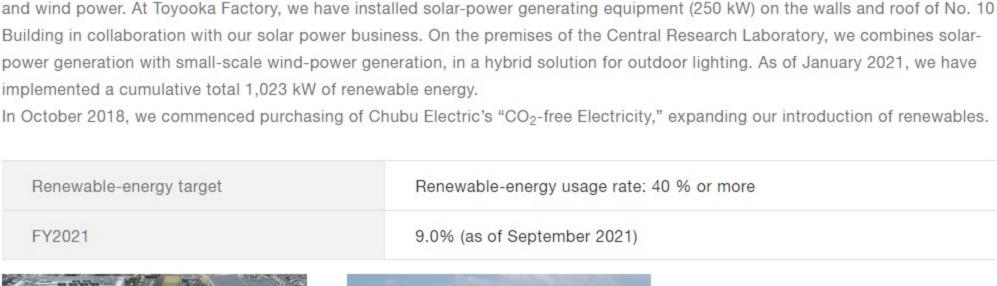












Hamamatsu Photonics is working hard to reduce carbon emissions by advancing the implementation of renewables such as solar

fiscal year (ending September 30, 2031) by 18 % or more compared to the 66th fiscal year (ending September 30, 2013).

25.9 % compared to the 66th fiscal year through energy-saving measures in buildings and active introduction of equipment

0.350

0.300

0.250

0.200

0.150

0.100

0.050

0.000

We will continue to promote energy conservation and global warming prevention activities.

Unit (kl per million yen)

30,296

FY2020

*Calculation scope: Hamamatsu Photonics K.K., the scope of application of the Energy Conservation Law.

30,900

FY2021

Energy use and its of sales

29,162

0.243

FY2019

In the current fiscal year, we achieved the target of 8 % or more by reducing energy consumption rate per unit of production by

value chain.

Category

fuel, etc.)

purchased

goods and

services

goods

Scope 2 (indirect

emissions: use of

electricity, etc.)

Scope 3 (other

indirect emissions)

2. Capital

3. Fuel and

energy use not

5. Waste

1. Purchased goods and

3. Fuel and energy use not

4. Transport and delivery

5. Waste generated by

Business travel

7. Commuting by

8. Lease assets

9. Transport and delivery

Processing of sold

11. Use of sold products

12. Disposal of sold

15. Investments

2. Capital goods

included in scopes 1 and 2

services

(upstream)

employees

(upstream)

(downstream)

products

products

<FY2016>

business activities

1. Purchased

included in scopes 1 and 2

generated by (463)(0.1)(448)(0.1)(486)(0.1)business activities 6. Business (1,821)(0.3)(882)(0.2)(183)(0.0)travel

(downstream) 14. Franchises 15. Investments ² The entire series of processes involving products, including material procurement, production, logistics, use and disposal. Includes both upstream and downstream parts of the Company's supply chain. Method of calculation of scope 3 Unit Category Activity volume

Amount of purchases of raw

Monetary amount of capital goods

Fuel, electricity, and heat energy use

Shipping volume related to

purchased products and services

Output volume by type of waste

Distance traveled

Distance traveled

Sales of products

service life

N/A

Third-party Verification of greenhouse gas emissions based on ISO 14064-3

to work to improve the reliability of its data and reduce greenhouse gas emissions.

N/A

N/A

Traveling expenses paid

Commuting expenses paid

Cost of shipping of sold products

materials and parts

purchased

13. Lease assets N/A

Final products: Number of units

Final products: Number of units

shipped and product weight

shipped, power consumption and

Verification statement [503 KB/PDF] <FY2018> Verification statement [235 KB/PDF] <FY2019> Verification statement [1.76 MB/PDF] <FY2020>

点検·整備修理 報告 フロン使用機器 入力した点検等の報告内容を修正します。 点検·整備修理 修正 コロン(本田 機型・新田 整線) 、 進制 たっつい 海田 機能ないユニリー 新垣を得

