# Promotion of ΓAvoided Emissions

August 25, 2023

Panasonic Holdings Corporation

## **Toward decarbonization of society**

Risks	Opportunities				
Reduce emissions in our own value chain through a variety of initiatives	Decarbonization of society through offering products and services				
CO2 emissions throughout the company's value chain Raw materials Manufacturing Transportation Use Disposal/Recycle	$ \begin{bmatrix} 2021 \end{bmatrix} \qquad \begin{bmatrix} 2022 \end{bmatrix} \\ \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$				
	CO2 emissions (40kg-CO2) CO2 emissions after use of solution (16kg-CO2)				
	2021 → 2022 Avoided emissions				
	Brown company $40 \rightarrow 10$ -Green company $0 \rightarrow 6$ <b>24</b>				

#### Achieve decarbonization of society

**Panasonic Group** 

Why is "Avoided emissions" not recognized by society?

< Exchange of views with various sectors >

Offset between "Own value chain" and "Avoided emissions"
 → Green Wash

② Appeal to each company about their "Avoided emissions" → No Global Standards, No Industry Standards

③ Therefore, it could not be used as an evaluation index for financial institutions, and it did not become popular and establish Encourage the creation of "opportunities", Raising Awareness of "Avoided emissions"

- Offset between "Own value chain" and "Avoided emissions" → WBCSD and METI GX League had published "Guidance (No offset)"
- ② Appeal to each company about their "Avoided emissions" (No Global Standard) → IEC63372, Guidance of WBCSD and METI GX League
- ③ it could not be used as an evaluation index for financial institutions → Continued dissemination at international events including ICMA
  - WBCSD : World Business Council for Sustainable Development
  - METI : Ministry of Economy, Trade and Industry
  - IEC : International Electrotechnical Commission
  - ICMA : International Capital Market Association



G7 communiqué specify effectiveness of "Avoided emissions"

Mar.22

Mar.31

General Assembly	Tokyo GX week	WBCSD	COP27	ICMA	G7
Informal round table	1 <sup>st</sup> Global Green GX	Council Meeting	Japan Pavilion	Sustainable Bond Conference	G7 Climate, Energy and Environment Ministers' Conference
UNDP	METI	WBCSD	MOE, METI	ICMA	G7 (Chair : Japan)
2022, 19 Sep. @US	7 Oct. @Tokyo	25-28 Oct. @Tokyo	14 Nov. @Egypt	18 Nov. @Tokyo	2023, 15~16 Apr. @Sapporo

wbcsd Agree with significance of spreading Avoided Emissions

GX League METL GX F

METI GX Business WG leads rule-making for new market creation



**EC** We (JPN and DEU) join in draft International Standard on Avoided Emissions(IEC63372)

Aim to standardize in 2024

**Guidance Publication** 

**Guidance Publication** 

#### 1st Global Green GX (7 Oct. 2022)



The University of Tokyo **Project Professor** Jun Arima

**Our CTO** Tatsuo Ogawa

WBCSD CEO Peter Bakker

Schneider Electric BofA Securities Japan Senior Vice President **Deputy President** Xavier Denoly Reiko Hayashi

METI **Deputy Director-General** Shinichi Kihara

we raised "opportunity" was concluded that standardization activities are important in gaining the trust of the financial institutions.

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# Launch activities to achieve aim (14 Nov. 2022)



#### COP27 Japan Pavilion Seminar held on Nov. 14: "Achieving Global GX"

(Towards a net-zero society through appropriate evaluation of "Avoided Emissions")

- WBCSD disclosed latest information on its initiatives for "Avoided Emissions"
  Cross-sector discussions held on
  - "Avoided Emissions"

WBCSD (business community) Hitachi / Panasonic (corporations) GFNAZ / BofA (financial institutions) University of Tokyo (academic institution) METI (government)



Mr. Dominic Wanghray

Senior Advisor, WBCSD





#### Consensus built on importance of achieving decarbonization along with economic development by implementing concept of "Avoided Emissions"

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## ICMA & JSDA Annual Sustainable Bond Conference (18 Nov. 2022)

ICMA : International Capital Market Association, JSDA : the Japan Securities Dealers Association



## financing a decarbonized and fair society through Sustainable Bonds

### Towards carbon neutrality with the support of climate transition finance



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# "Avoided Emissions" is specified in G7 Ministers' Communiqué

G7 Climate, Energy and Environment Ministers' Communiqué

G7 Climate, Energy and Environment Ministers' Communiqué

April 16, 2023, Sappon

Decarbonization Agenda

Conclusions regarding the Industrial

In 2021, the UK G7 Presidency and the United States initiated the G7 Industrial Decarbonisation Agenda (IDA), to unlock market potential through high-level G7

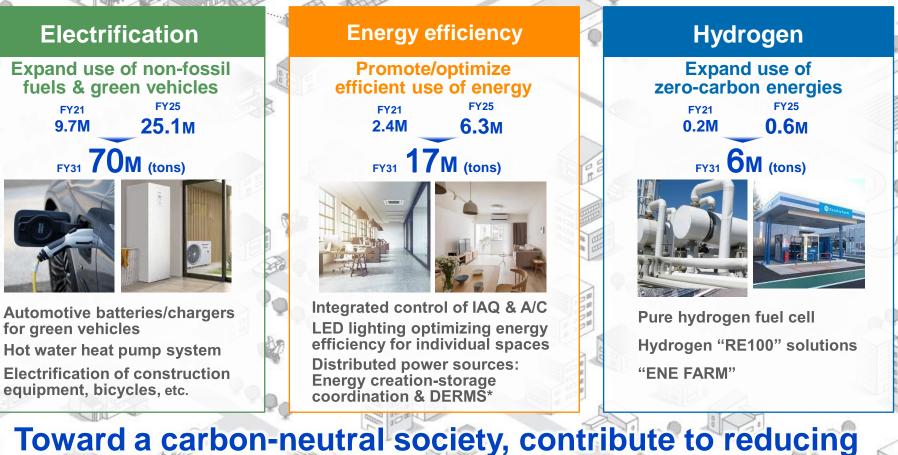
overnment coordination, including in the areas of market regulation, standards development, investment flows, procurement strategies, and joint research related to

- Avoided emissions should not lead to discouraging companies to accelerate reducing their own SCOPE1-3 emissions
- Promoting investment from financial sectors by evaluating and unlocking the value from companies/solutions with high contribution to global emission reductions.
- Financial sectors can make use of this information to assess the company's climate-related opportunities and to formulate financial instruments for promoting investment.

with effe Fara Biol 203 Con	mimment to the Paris Agreement, keeping a limit of 1.3 °C global temperature rise in reach through scales up action in this critical cacks, and to the full, wind and tive implementation of the historic Kunning-Montreal Global Biodiversity ework [GB7] acopted at the 13m Conternet of the Parties to the Convention on global Diversity (CBC-D213) with its mission to nat and reverse biodicersity loss by , and welcome the landmark international legally binding instrument on the evation and suitable use of marine biological diversity of areas bogon national liction [BSN]. Accognizing the current global energy crisis and economic disruptions, estim our commitment to accelerating the clasm energy tensition to net-zero	nd on by ne ea			qué specify effectiveness of /oided emissions"
General Assembly	nhouse gas (GHG) emissions by 2030 at the latest and recognize the importance of	WBCSD COP27 ICM		ICMA	G7
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### Size of contribution for society in reducing emissions

#### FY2031 Create an impact that reduces emissions by 93 Mt



CO<sub>2</sub> emissions globally in a variety of business areas

\*DERMS: Distributed Energy Resource Management Systems

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