

April 8, 2024

ENEOS Corporation  
 WasteBox, Inc.  
 NTT DATA Japan Corporation

**A first in the domestic petroleum industry**

**ENEOS begins providing CFP of its petroleum products**

~ENEOS, WasteBox, and NTT DATA collaborate to visualize the CFP of petroleum products~

From April 2024, ENEOS Corporation (“ENEOS”), WasteBox, Inc. (“WasteBox”), and NTT DATA Japan Corporation (“NTT DATA”) will collaborate to realize the visualization of carbon footprint of products (“CFP”) and ENEOS will begin providing CFP for some material products, including petrochemical products and high performance materials. CFP is the greenhouse gas (GHG) emissions of a product from the procurement of raw materials through to disposal and recycling, converted to CO2. In this press release, it refers to the emissions from the procurement of raw materials through to manufacturing.

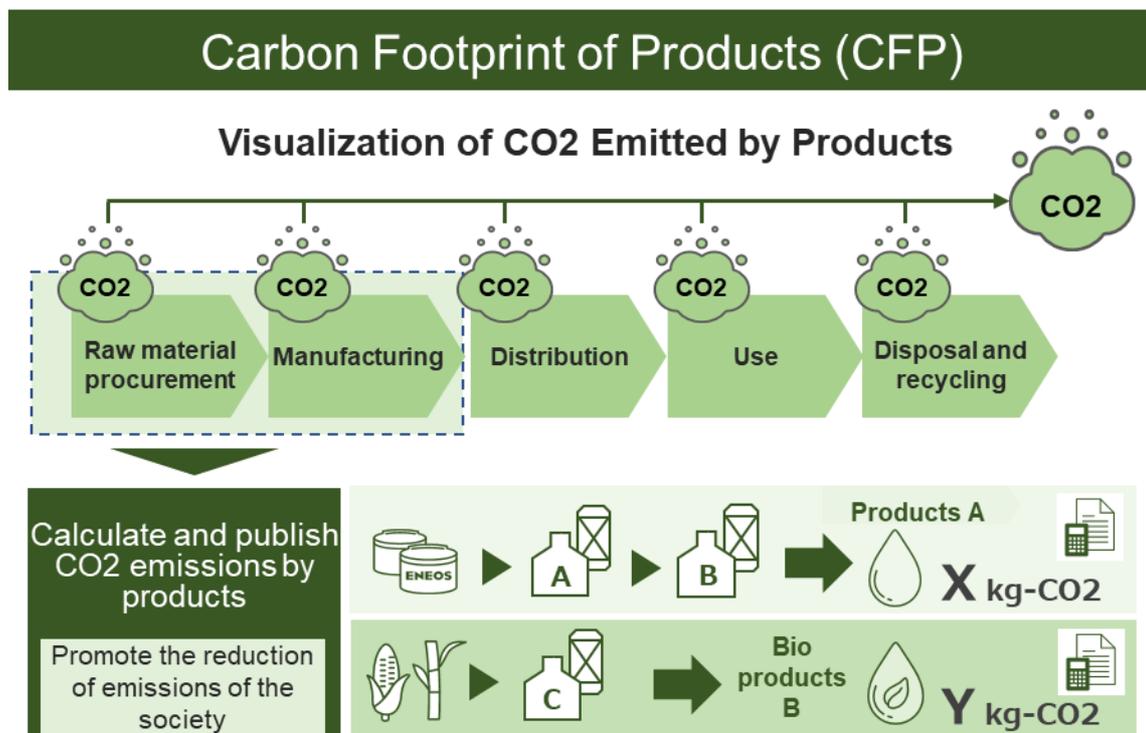


Figure 1: What is CFP?



Figure 2: Petrochemical products and high performance materials whose CFP are disclosed (e.g. PX production unit, image of products made from paraxylene)

In calculating this CFP, ENEOS worked to make the numbers more reliable by referring to various guidelines<sup>\*1</sup> based on a review by WasteBox, an expert in calculating GHG emissions, solidifying the CFP calculation method for petroleum products, and developing a CFP calculation and management system together with NTT DATA.<sup>\*2</sup> Note that this is the first CFP calculation in the domestic petroleum industry using actual data acquired from refineries.

Through this initiative, ENEOS, WasteBox, and NTT DATA will contribute to the realization of carbon neutrality as well as the acceleration of initiatives, including helping ENEOS customers to understand Scope 3<sup>\*3</sup> CO2 emissions, reducing emissions by introducing bio-based raw materials, and introducing offset products using credits.

**【Overview of Companies】**

Company Name	ENEOS Corporation
Headquarters	1-1-2 Otemachi, Chiyoda-ku, Tokyo
Representative	Representative Director, President Yamaguchi Atsuji
Business	Refining and sales of petroleum products (gasoline, kerosene, lubricating oil, etc.) Gas import and sales Manufacturing and sales of petrochemical products, etc. Hydrogen supply
Decarbonization Initiatives	One of the ENEOS Group's envisioned goals stated in its Long-Term Vision is contributing to the development of a decarbonized, recycling-oriented society. Toward FY2050, ENEOS will work to reduce Scope 3 <sup>*3</sup> emissions and aim to achieve carbon neutrality in society in general. In the future, to respond to customer needs, ENEOS will use the developed system to consider efficient CFP reduction measures, visualize the CFP reduction value when using bio-based raw

	materials and non-fossil certificates, and expand sales opportunities for offset products through credits. ENEOS also plans to work on CFP calculations for lubricant products and petroleum products.
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<https://www.eneos.co.jp/english/>

Company Name	Wastebox, Inc.
Headquarters	16F, NHK Nagoya Broadcasting Station Building, 1-13-3 Higashisakura, Higashi-ku, Nagoya-shi, Aichi
Representative	Representative Director, Suzuki Shuichiro
Business	Environmental consulting service related to climate change
Decarbonization Initiatives	As an expert in creating environmental value and measuring GHG emissions, WasteBox has the goal of contributing to the development of a recycling-oriented decarbonized society by helping companies measure and disclose information about their environmental impacts. WasteBox is familiar with international rules on carbon accounting, and has experience of supporting more than 1,000 projects including the calculation of Scope1,2,3emissions including CFP, with services provided to many companies including TSE Prime listed companies and regional financial institutions.

<https://wastebox.net/>

Company Name	NTT DATA Japan Corporation
Headquarters	Toyosu Centre Building, 3-3-3 Toyosu, Koto-ku, Tokyo
Representative	Representative Director, President Sasaki Yutaka
Business	System integration, network system services, and any other related businesses
Decarbonization Initiatives	NTT DATA uses the industry knowledge it has gained from participating in numerous initiatives in Japan and overseas combined with expertise in a wide range of solutions to provide the infrastructure to calculate and manage per-product CFP and GHG emissions to various businesses with a focus on the manufacturing industry.  As a business transformation partner of ENEOS, NTT DATA will help ENEOS achieve carbon neutrality through this initiative, and provide solutions and consulting toward GHG reductions,

	which are expected to expand in the future. Through these activities, NTT DATA aims to further the realization of carbon neutrality for customers and society in general, ushering in a new society that responds to climate change.
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<https://www.nttdata.com/global/en/>

\*1 ISO14040, 14044, 14067, Ministry of Economy, Trade and Industry “Carbon Footprint Guidelines”

\*2 “A first in the domestic petroleum industry: Joint study launched on per-product CFP calculations and development of entity-level GHG emission management system” (released on March 17, 2023)

[https://www.eneos.co.jp/english/newsrelease/2022/pdf/20230317\\_01.pdf](https://www.eneos.co.jp/english/newsrelease/2022/pdf/20230317_01.pdf)

\*3 Scope 1: Direct greenhouse gas emissions by the business itself (fuel combustion, industrial processes)

Scope 2: Indirect emissions from the use of electricity, heat, and steam supplied by other companies

Scope 3: Indirect emissions in the supply chain of the business other than those in Scope 1 and 2

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