

Carbon Neutrality Report of FY2023 (Executive Summary)

Yamato Transport Co., Ltd announces the carbon neutrality of the Parcel Delivery Services (TA-Q-BIN, TA-Q-BIN Compact and EAZY) from April 2022. Under certification by BSI (British Standards Institution), carbon neutrality of the Parcel Delivery Services is achieved in accordance with ISO 14068-1:2023 on 31st March, 2024 (FY2023), and is committed to be maintained by the long-term target year of FY2050.

The Report is summarized below.

【About the subject】

Revenue of the Parcel Delivery Services is equivalent to approximately 80% of that of Yamato Transport Co., Ltd. while the carbon footprint of the Services accounts for around 80% of the GHG emissions from all business activities of Yamato Group.

In line with ISO 14067:2018, which is used to quantify the carbon footprint of the products, carbon footprint of the Services is quantified from the related life cycle stages, covering all important GHG emissions. Only process for which it is difficult to ascertain and quantify in actual figures are cut off. It has been evaluated and confirmed that the use of secondary data has limited impact on the results of quantification.

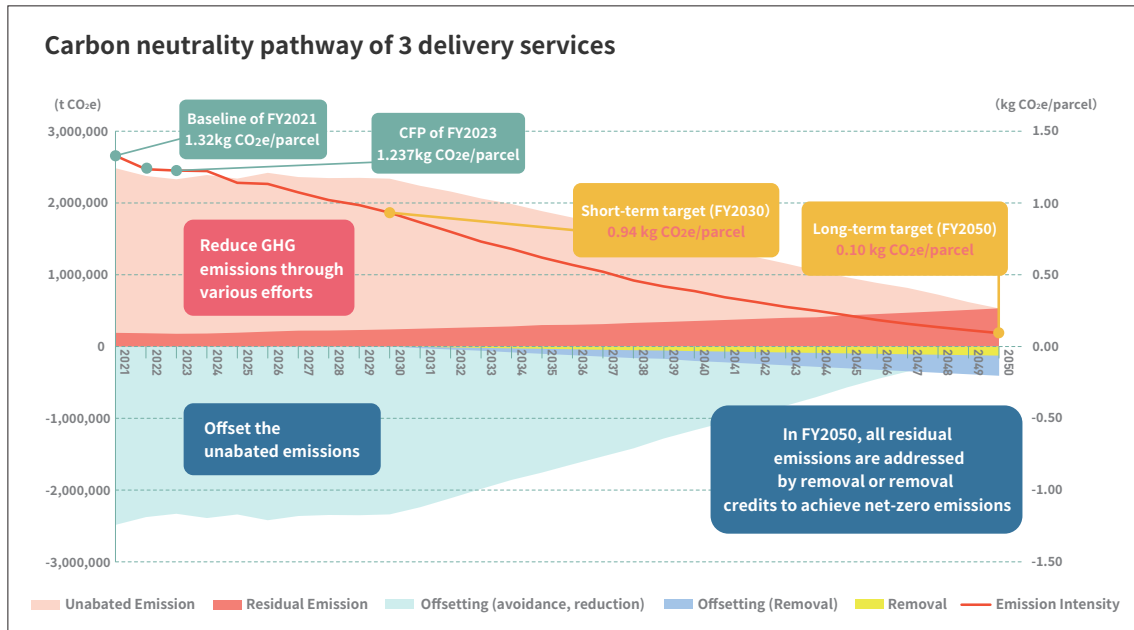
【About the Carbon Neutrality Pathway and Management Plan】

Yamato Transport Co., Ltd. commits to achieve and maintain carbon neutrality of the Services through reduction, removal and offsetting year by year, in line with the carbon neutrality pathway below. Yamato Transport Co., Ltd. will gradually enhance reduction and removal activities, to reduce amount of offset. The base year is FY2021 and the baseline in terms of emission intensity is 1.323kg CO₂e/parcel. As a target in FY2050, Yamato Transport Co., Ltd. aims to reduce the GHG emissions of the Services only to residual emissions. And for the residual emissions, it will be addressed by removal enhancements and the use of removal credits to achieve Net-Zero.

To realize the Pathway and targets, Carbon Neutrality Management Plan has been developed and GHG emissions will be reduced through the following major measures.

1. Introduction of EVs
2. Expansion of use of renewable energy
3. Promotion of energy conservation
4. Reduction of use of dry ice

In addition, the introduction of de-carbonization technologies and improvement of operational efficiency will also be implemented in order to build low-carbon transportation/operation sites. Also, removal enhancements will be introduced from FY2030.



Achievement in FY2023

FY2023 was the 2nd reporting period and emission intensity was 1.237kg CO₂e/parcel. Compared to FY2021, the baseline, the GHG emissions were reduced by 5.9% in emission intensity and it was 166,923t CO₂e in absolute value. There was no removal as this period was before the introduction of removal activities. The reduction measures taken were as follows.

1. EVs: increased use from 190,000 km (FY2021) to 8,750,000 km (FY2023) annually by introduction of 1,428 EVs.
2. Solar power generation facilities (On-site power generation): increased use of renewable energy from 1,100MWh (FY2021) to 3,100MWh (FY2023) by installation of 105 facilities.
3. LEDs in operational sites: through the conversion of 411 buildings to LEDs in FY2023, in total approximately 2,000 sales offices have been converted to LEDs.
4. Use of renewable energy: increased from 10% (FY2021) to 39% (FY2023) of the total
5. Reduction of dry ice: reduced use of dry ice from 83,000 tonnes (FY2021) to 76,000 tonnes (FY2023) by switching to 1,915 refrigerated vehicles.
6. Load factor of line haul trucks: increased from 90.5% (FY2021) to 93.3% (FY2023)

After implementing the above GHG emission reduction measures, carbon credits were used to offset the unabated GHG emissions of 2,329,701t CO₂e. The types of Carbon credits are methane power generation, solar, wind and hydropower and all were verified by VCS, a third-party certification body of carbon credit, and VCS is conditional on having measures to avoid double counting.

Maintenance of the Carbon Neutrality Claim

The effectiveness of the measures will be monitored and evaluated through quantification, and the Carbon Neutrality Pathway and the Management Plan will be revised in each reporting period. For the 3rd reporting period, FY2024, the claim will be maintained after being certified again from Aug 2025 onwards.