

Carbon Neutrality Report of FY2022 (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 verification by BSI Group Japan K.K., carbon neutrality of the Parcel Delivery Services is achieved in accordance with ISO 14068-1:2023 on 31 March 2023, and is committed to be maintained by the long-term target year of FY2050.

Carbon Neutrality Report of FY2022 and the verification opinion statement released on 30th Jan 2024 is available on the corporate site. 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 and ISO 14040:2006, which are 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.

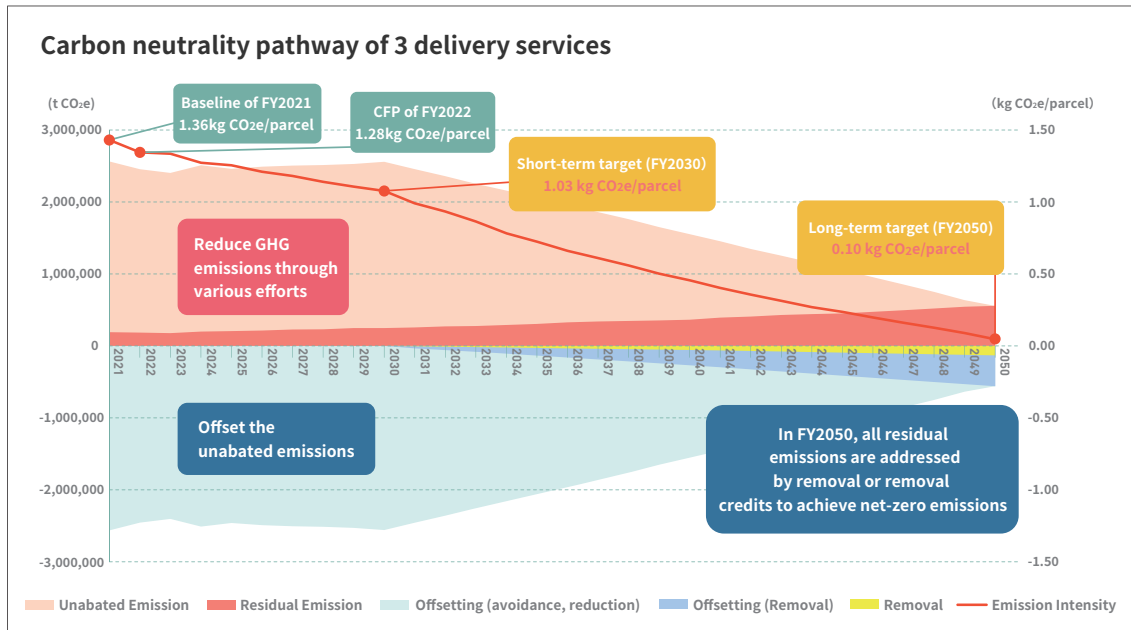
【About the Carbon Neutrality Pathway and Management Plan】

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 1.36kg CO₂e/parcel. As a target in FY2050, Yamato Transport 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 FY2022

FY2022 was the 1st reporting period and emission intensity was 1.28kg CO₂e/parcel. The GHG emissions were reduced by 5.9% in emission intensity and it was 106,313t 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 to 1,110,000 km annually by introduction of 331 EVs
- 2.Solar power generation facilities (On-site power generation): increased use of renewable energy from 1100MWh to 1600MWh by installation of 5 facilities
- 3.LEDs in operational sites: 54% of the total achieved by converting 457 sites to LEDs.
- 4.Use of renewable energy: increased from 10% to 19% of the total
- 5.Reduction of dry ice: reduced use of dry ice from 83,000 tonnes to 74,000 tonnes by switching to 1,262 refrigerated vehicles
- 6.Load factor of line haul trucks: increased from 90.5% to 92.8%

After implementing the above GHG emission reduction measures, carbon credits were used to offset the unabated GHG emissions of 2,464,448t CO₂e. The types of Carbon credits are landfill gas, 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 2nd reporting period, FY2023, the claim will be maintained after being verified again from Aug 2024 onwards.