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### ESG Data and Appendix

	Response item	Objectives	Specific Actions in 2022
Metrics and Targets	Continuously optimize GHG inventory	Expand the scope of the inventory to increase the quality of the data	Conducted an inventory of greenhouse gas emissions ISO 14064:2018 categories 1-6 greenhouse gas emissions inventory inside and outside the organization every year to increase the quality of the data on greenhouse gas emissions
	Implement carbon emission reduction targets and KPIs	Attain short, medium, and long-term GHG reduction targets and net zero emission target for 2050 and pass SBTi certification	<ol style="list-style-type: none"> <li>Signed the Science Based Targets initiative (SBTi)</li> <li>Established approximately 78 KPIs in environmental protection and carbon emission reduction and the President convened quarterly meetings of the Environmental Committee to review the outcomes of implementation</li> </ol>
	Attain flight carbon reduction objectives	Attain short, medium, and long-term GHG reduction targets and net zero emission target for 2050	<ol style="list-style-type: none"> <li>Continued to promote plans for fleet update, aircraft weight reduction, flight optimization, and O&amp;M improvement</li> <li>Implemented fleet plans in accordance with medium and long-term business growth and carbon reduction trends</li> <li>Continued to improve aviation fuel efficiency, increased loading rate, and focused on the development of new technologies and new low-carbon aircrafts for purchase at an appropriate time</li> <li>Promoted SAF usage and formulated SAF usage targets: Use 2% by 2025; Use 5% by 2030; Use 40% by 2040; Use 65% by 2050.</li> </ol>
	Increase fuel efficiency	Increase the efficiency of company operations and fuel consumption	<ol style="list-style-type: none"> <li>Continue to promote aviation fuel-saving operations. Continue to increase fuel efficiency rate each year</li> <li>Optimized route planning and developed the most suitable passenger / cargo fleet in response to the epidemic and market development trends</li> </ol>

### 2-3-3 Achievements in Environmental Sustainability (GRI 301-1)

Passenger and cargo services are CAL's main business activities, which invariably cause certain impact on the environment, including greenhouse gas emissions, air pollution, and conducted noise pollution. However, we implemented active fleet management including the procurement of the newest environmentally friendly aircrafts and aviation fuel conservation operations such as shutting down 1-2 auxiliary power units for taxiing, improving the use efficiency of ground power vehicles and so on, to effectively increase fuel efficiency and reduce the air and noise pollution during takeoffs and landings. As of February 2023, CAL's 14 A350-900 aircrafts have been delivered and all A340-300 and 747 passenger aircrafts have been decommissioned. We have also initiated plans to phase out 737 and A330 passenger aircrafts. Three 777F cargo aircrafts have been delivered and 7 more will be delivered by 2024. Ten A321neo aircrafts have joined operations and the remaining 15 aircrafts will be delivered by 2026. We also plan to purchase 16 new 787-9 aircrafts and expect to start delivery from 2025. CAL is committed to using brand-new fleets to provide passenger and cargo services, while also prioritizing the environment protection through a sound environmental and energy management system. We have again achieved the goal of zero penalty and successfully improved our operational eco-efficiency in 2022. For more information on environmental performance, refer to Appendix Environmental Performance; For detailed management information, please refer to [CAL Sustainability website under Environmental Sustainability - ECO Action](#).

### Carbon Emissions and Energy Usage (GRI 302-1, 302-2, 302-4, 302-5, 305-1, 305-2, 305-3, 305-5)

The greenhouse gas produced through the incineration of aviation fuel accounts for more than 90% of total emissions. Therefore, CAL continues to strengthen the countermeasures to improve overall fuel efficiency through the dedicated "Aviation Fuel Management Team", and formulate various specific measures from the aspects of planning, management and execution.

In terms of ground operations, CAL continues to implement ISO 50001 Energy Management and fully considers energy conservation and carbon emissions reduction as factors for decision making in the design / procurement stages. We continue to improve supervisory measurement mechanisms (e.g., optimization of energy data collection programs and setting measuring instruments) to improve energy performance management (e.g., improvement of the accuracy of related variables / static factors). We also integrate issues of concern to stakeholders (e.g., renewable energy and energy storage systems) to enhance the integrity and implementation of energy management and create a low-carbon operation and office environment.

CAL carried out 66 environmentally friendly energy conservation measures for ground and flight operations and 12 fuel conservation measures in 2022, which reduced carbon emissions by 53,750 tons with an achievement rate of 138%. CAL planned an additional 79 measures in 2023, which are expected to reduce emissions by 36,175 tons.