Boeing's Carbon Management Strategy

Boeing's "avoid first, remove second" decarbonization strategy prioritizes avoiding Scope 1 and Scope 2 greenhouse gas (GHG) emissions in the first place as the most direct way to reduce our carbon footprint. To mitigate hard-to-abate Scope 3, Category 6 — Business Travel CO_2 emissions, we are increasing investment in permanent carbon dioxide removal, also known as CDR.

EVOLVING FOR THE GREATEST IMPACT

Since 2020, we have voluntarily offset our Scope 1 and Scope 2 GHG emissions across manufacturing sites and other operations facilities, as well as our Scope 3, Category 6 – Business Travel emissions and executive flights. Our offsetting approach has been guided by the following principles:

Certified by top global verification organizations to ensure our offsets meet minimum criteria of being measurable, additional and independently verified.

A diversified portfolio by geography to reflect global company presence, as well as project type.

Leverages our market engagement to support the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA).

BOEING'S CARBON MANAGEMENT STRATEGY: AVOID FIRST, REMOVE SECOND

Boeing has refined its carbon management strategy since first using voluntary offsets. Rather than offsetting Scope 1, Scope 2 and Scope 3 business travel emissions, we now offset only Scope 3 business travel emissions and executive flights while continuing to reduce our Scope 1 and Scope 2 emissions.

"Avoid first" reflects our priority on preventing Scope 1 and Scope 2 emissions through site investments conservation, efficiency measures and expanded use of renewable energy (including solar power and sustainable aviation fuel).

"Remove second" describes our approach to addressing hard-to-abate Scope 3 business travel emissions by using a combination of traditional carbon offsets and permanent CDR credits, increasing over time the volume of permanent CDR credits to traditional offsets. By supporting a diverse set of CDR technologies and rigorous MRV practices, we are advancing credible, cost-effective solutions that we believe can be scaled responsibly.

INVESTMENTS AND PARTNERSHIPS TO CATALYZE CDR COMMERCIAL SCALE-UP

Boeing has entered offset purchase agreements for several CDR technologies, marking a key step toward scaling high-quality carbon removal and supporting aviation's net emissions reduction goals. We are also collaborating with a wide range of market participants, including MRV (monitoring, reporting and verification) providers, project developers, brokers, and technical and policy experts.

By supporting a diverse set of CDR technologies and rigorous MRV practices, we are advancing credible, cost-effective solutions that we believe can be scaled responsibly. Boeing's investments and partnerships include:

Yale Center for Natural Carbon Capture (2022) — Committed $10 million over five years to fund research and solution-oriented innovation for scalable natural carbon capture methods.

Equatic pre-purchase agreement (2023) — Agreed to purchase up to 64,000 tonnes of CDR credits to help catalyze commercial deployment of an ocean-based removal technology.

Charm Industrial offtake (2025) — Agreed to purchase up to 100,000 tonnes of CDR credits generated by converting forest and agricultural residues into carbon-rich bio-oil that is injected and permanently stored in abandoned oil wells.

Grassroots Carbon (2026) — Announced a multi-year offtake agreement to purchase at least 40,000 metric tons of verified carbon removal credits generated through soil carbon sequestration from regenerative ranching and improved grassland management.

Supercritical (2026) — Procured 20,000 tonnes of permanent carbon dioxide removal, sourcing a diversified CDR portfolio from six suppliers across Brazil, Bolivia, Namibia, and India, spanning both biochar – a carbon rich material made from organic waste, and enhanced rock weathering – a process that accelerates natural rock weathering to permanently remove atmospheric carbon dioxide.

Carbonfuture (2026) — Announced a multi-year agreement for at least 40,000 tonnes of durable carbon dioxide removal credits, initially sourced from four biochar projects across the Global South.

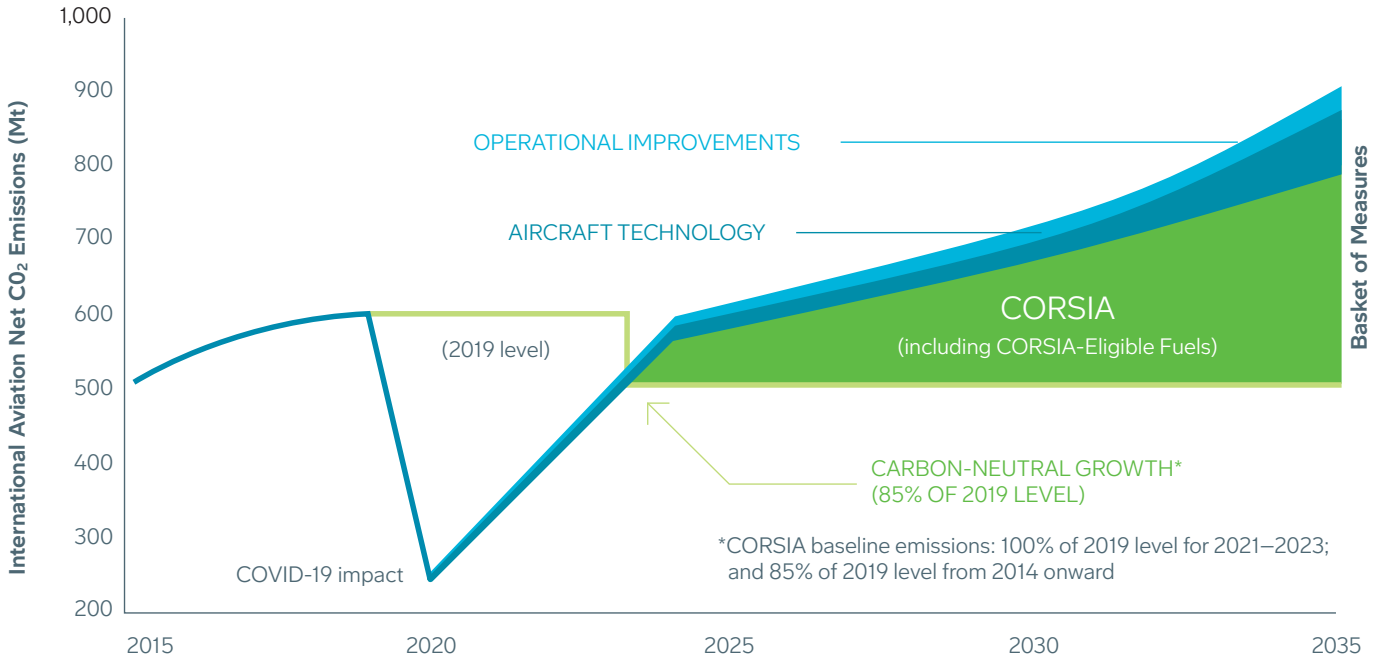
These targeted investments span technology readiness levels and geographies and are designed to accelerate commercialization, lower costs for Boeing and customers, and demonstrate how corporations can responsibly scale removal solutions.

SUPPORTING CORSIA AND INTERNATIONAL AVIATION

Boeing supports and participates in the International Civil Aviation Organization's (ICAO) Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA). CORSIA is the first global, market-based scheme that applies to a sector and requires airlines and other aircraft operators to offset any growth in CO_2 emissions from international flights above 85% of 2019 levels. CORSIA's intent is for civil aviation's net CO_2 emissions to be stabilized while other emissions reduction measures, such as technology, sustainable aviation fuel, operations and infrastructure options, are pursued.

Details can be found at: ***icao.int/corsia***

CONTRIBUTION OF CORSIA FOR REDUCING INTERNATIONAL AVIATION NET CO_2 EMISSIONS



Source: ICAO