

#FLYCARBONNEUTRAL

with  **HARBOUR AIR
SEAPLANES**

Welcome aboard! While you stow your baggage
and take your seats, let's take a look at
Harbour Air's 2016 - 2017 Greenhouse Gas Report.

Harbour Air's GHG Report has been produced by Offsetters
December 2017



Preparing for Flight

While we taxi across the water, please ensure your seat belts are fastened and we will run through some background information for this report.



CALCULATING GREENHOUSE GAS EMISSIONS

• since •

2007

North America's

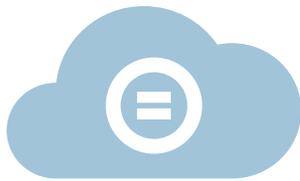
1ST 
**FULLY
CARBON
NEUTRAL
AIRLINE**

Since 2007, Harbour Air and Offsetters have worked together to understand and reduce the airline's impact on the climate.

Offsetters measures Harbour Air's greenhouse gas emissions (GHGs) associated with their offices, terminals, operations and, of course, their flights. To calculate the emissions in each of these areas, we examined fuel records, employee commuting habits, electricity consumption, business travel, and paper use.



Similarly to the safety standards in aviation, we have standards to follow while calculating GHG inventories. Harbour Air's GHG inventory has been completed according to the guidelines of the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, published by the World Resources Institute and the World Business Council for Sustainable Development.



Harbour Air

OFFSETS

100%
of their
emissions
since 2007

over
117,000  **TONNES**
IN CARBON OFFSETS
• since October 2007 •

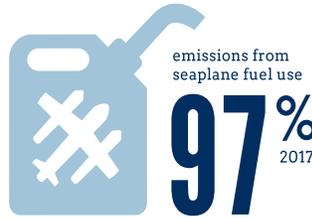
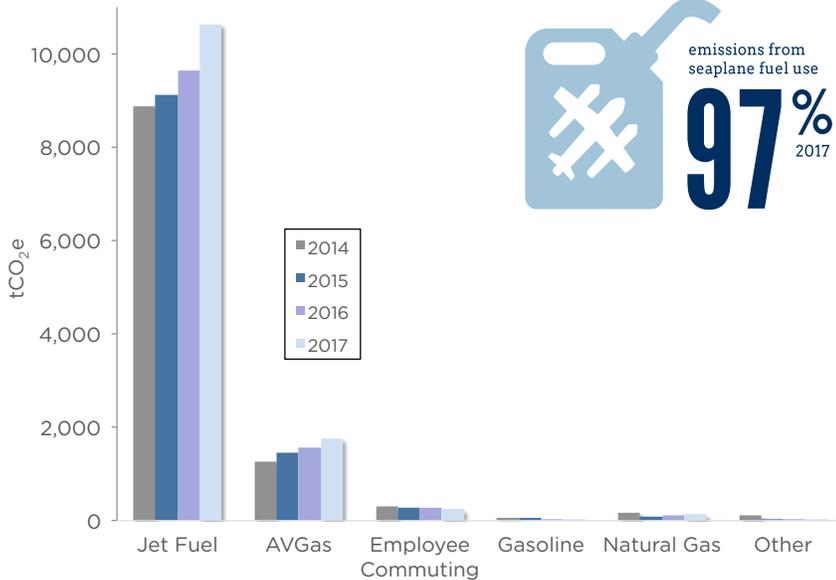
All GHG emissions are measured in tonnes of carbon dioxide equivalent (tCO₂e)—a unit of measurement that translates all greenhouse gases into the equivalent global warming potential of carbon dioxide.

Now that we have cruised through the formalities, we can prepare for takeoff. During the flight, we will look at some of the numbers associated with GHGs, key insights and learnings. Finally, we will land the plane smoothly through some reduction targets for the upcoming year. We hope you enjoy the journey while learning more about Harbour Air's GHGs and their accomplishments to date. Sit back, relax and let us take it from here.



Gaining Altitude - By The Numbers

Total Footprint

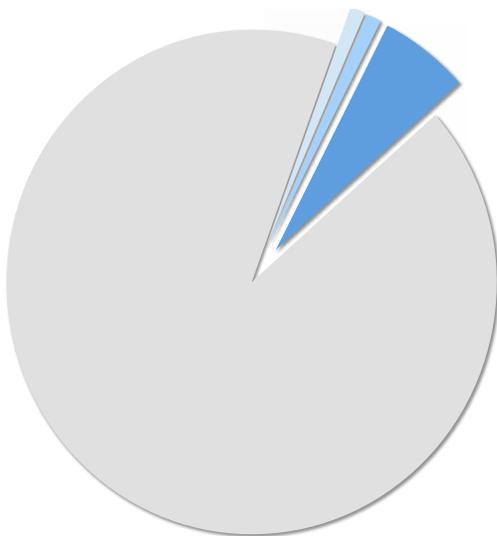


Key Number: Scope 1 emissions totalled 12,523 tCO₂e. Scope 2 were 13 tCO₂e and Scope 3 totalled 258 tCO₂e.

Key Insight: Total emissions increased by 10% since 2016, with aviation and jet fuel as the two main sources of emissions.

Key Message: Without alternative fuel options, Harbour Air will have to focus on reducing non-aviation emissions.

Employee Commuting



- Motorbike
- Carpool
- Transit
- Drive

Key Number: Counts for 2% of total emissions.

Key Insight: Driving accounts for 82% of employees' daily commute, while biking and walking (emissions-free commuting) count for 7%.

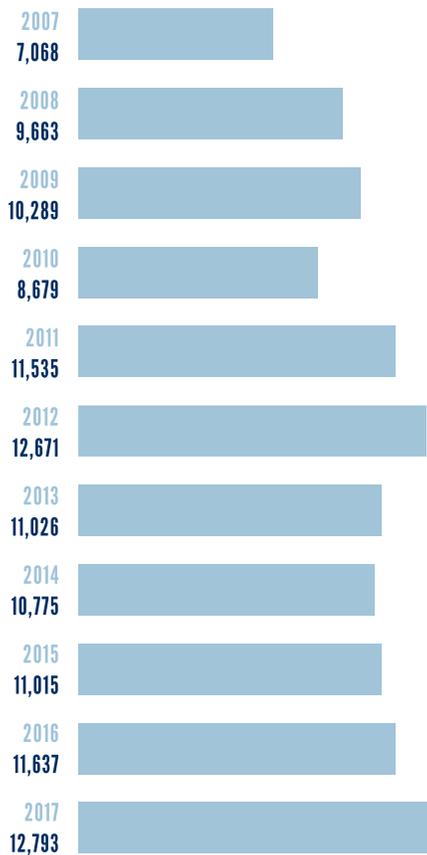
Key Message: An incentive to adopt more efficient means of transport could help decrease emissions.



ANNUAL CARBON EMISSIONS



TOTAL
117K
tCO₂e



since 2007,

TOTAL EMISSIONS

PER REVENUE DOLLAR
HAVE DECREASED

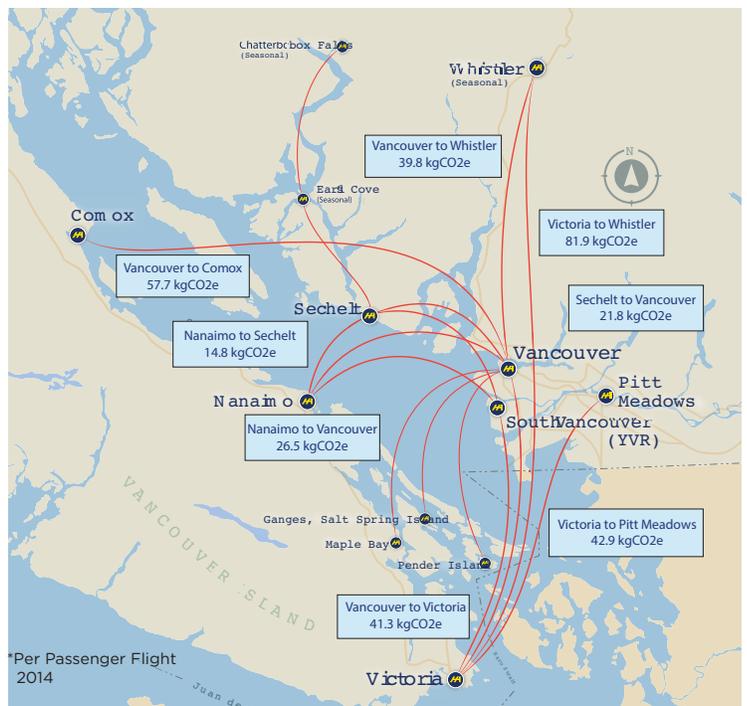


Emissions per route

Key Numbers: The Vancouver to Victoria route represents 6,609 tCO₂e per year.

Key Insight: Victoria to Whistler has the highest emissions per passenger.

Key Message: Since Vancouver to Victoria is the most popular route, any efficiencies made to this route will have the greatest impact on the overall footprint. Attention to passenger load on flights to Whistler will also help.



Where do the offsets go?

Harbour Air's offset portfolio currently consists of four projects. Supporting these projects ensures emission reductions that otherwise would not have occurred.



Great Bear Forest Carbon Project, British Columbia

The Great Bear Rainforest is home to the largest intact coastal temperate rainforest in the world. This is an Improved Forest Management project, which generates emission reductions by protecting forest areas that were previously designated, sanctioned, or approved for commercial logging. Without offset funds, the protected areas would not have been established and harvest levels would not have been reduced.



Efficient Wood Cook Stoves Project, Uganda

More than 95% of Ugandans rely on wood for cooking. Carbon offset funds enabled the dissemination of efficient wood burning cook stoves to institutions and families, in and around Kampala. These new stoves reduce GHG emissions as well as the particulate matter released—greatly improving indoor air quality and the owners' respiratory health.



Quadra Island Forestland Conservation, British Columbia

Carbon offset funds enabled the conservation of 417.9 hectares of forestland on Quadra Island, that was previously slotted for vacation home developments and logging. Due to the area's habitat features and archaeological sites, the Province had wanted to protect the area for almost 20 years but insufficient capital kept them from doing so.



Lower Zambezi REDD+, Zambia

Funding from carbon credits helps conserve a highly threatened wildlife corridor which separates Zambia's national capital and the Lower Zambezi National Park. In addition to protecting wildlife habitat and creating sustainable livelihoods, the project helps prevent the release of CO₂e from deforestation.



For some in-flight entertainment, we have provided you with some equivalencies to help you understand what all these numbers really mean.



Harbour Air subsidized over

12,300
COOKSTOVES
FOR FAMILIES IN UGANDA

2007 – 2017

flying return from
VANCOUVER



VICTORIA
EMITS

87 kg CO₂e

per passenger per flight

2017

in 2017,
Harbour Air
offset

12,793 tCO₂e

THIS IS EQUIVALENT TO GETTING



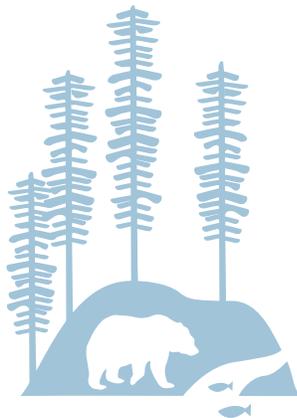
CARS
OFF
THE
ROAD

Harbour Air's offsets have contributed to the protection of the

GREAT BEAR
RAINFOREST

& Haida Gwaii. These projects cover

7,000,000 ha



Sit back, relax, and enjoy the flight while we put all this into perspective.

YVR Airport Authority

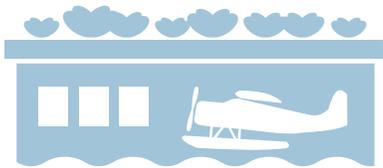
2015 CLEAR SKIES AWARD

We can see how well Harbour Air is doing by the many awards they have received—including the 2015 YVR Airport Authority Clear Skies Award.

While most airlines provide their passengers the opportunity to voluntarily offset their emissions, it's not often straightforward. Harbour Air proactively builds emissions reductions into the ticket cost. By adding the offset fee as a line item on their receipts, Harbour Air reminds customers of their climate impact and proactively takes responsibility on their behalf.

In 2016 the Victoria Harbour Airport floating terminal opens with a new

1 ACRE GREEN ROOF



50 SOLAR PANELS

are added to the Victoria Harbour green roof in 2017

VANCOUVER OWNED



proudly using
HEMLOCK PRINTERS
TO PRINT OVER
220K
CARBON NEUTRAL
BROCHURES
2017

913 FLIGHT VOUCHERS DONATED TO CHARITIES & SPONSORSHIPS

• 2014 •



The Mail Run Tour is one of
DESTINATION CANADA'S SIGNATURE EXPERIENCES
• since •

2011



In 2017, four large beehives containing
10K
HONEY BEES
are added to the Victoria Harbour Airport terminal



As we prepare for landing, it is time to consider what Harbour Air is doing to reduce its emissions.

Harbour Air manages its fleet renewals, guides flight operations, and optimizes air traffic as a function of good business practices. Efforts on these fronts serve to make the business more efficient, which correlates directly with emissions.



Harbour Air is continually optimizing their flight load factor and flight route while reducing taxiing distance; but, ultimate control of these latter functions is in the hands of air traffic control. Since 2015, Harbour Air has also been recycling the waste fuel from all their aircraft.

Offsetters recommends that Harbour Air set a reduction target that, at a minimum, matches the two percent per year efficiency goal stated in Canada's Action Plan.



Thank you for flying carbon neutral

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SEAPLANES**

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