



## SUMMARY OF TOITŪ CARBONREDUCE CERTIFICATION

# AUCKLAND INTERNATIONAL AIRPORT LIMITED

Year 1 of 3 year certificate period



*Auckland International Airport Limited meets the requirements of Toitū carbonreduce certification having measured its greenhouse gas emissions in accordance with ISO 14064-1:2006 and committed to managing and reducing its emissions in respect of the operational emissions of its organisation.*

Auckland International Airport is a great New Zealand success story. It began life almost 100 years ago in a grassy, uneven paddock when a group of aviation enthusiasts established the Auckland Aero Club. Our country quickly embraced aviation and on an historic day in 1966, a crowd of more than 200,000 gathered to see the international airport take flight. Our country quickly embraced aviation and on an historic day in 1966, a crowd of more than 200,000 gathered to see the international airport take flight. This inventory reports into the Toitū carbonreduce programme. In addition to the Toitū carbonreduce programme, Auckland Airport also reports the data verified in this report in our Annual Report, Sustainability Report, and to the investor community through the Dow Jones Sustainability Index, FTSE4Good, GRESB and CDP.

Today, Auckland Airport is proud to be an important economic engine for New Zealand, making a significant contribution to our community and helping to grow our country's success in travel, trade and tourism. This is both a privilege and responsibility that influences everything we do.

We are building a vibrant transport, trade and tourism hub, supporting growth and prosperity across the regions by improving the way people and businesses connect with each other and the world. We want our Auckland hub to be a place that people enjoy travelling through and we are working hard to make their journeys better and grow travel and trade connections to new destinations.

We want to be a great New Zealand business and aspire to be a global leader in building and operating modern airports. This is only possible through the dedication of our staff and the thousands more that work on our projects or at the airport. Equally, we want to be a place where businesses choose to be and a partner they want to work with. We also know that as a major New Zealand company we have a responsibility to both our local and the global environment by playing our part to minimise the negative impacts of our activities, and maximise positive outcomes.

Our targets and progress - including our annual carbonreduce verified inventory and assurance certificate - are included on our Corporate Website. Our website also hosts our Energy Management Plan 2012-2020, and is available to all stakeholders.

## EMISSIONS SUMMARY<sup>1</sup>

Auckland Airport's emissions for this year (01 July 2018 to 30 June 2019) were 12,123.05 tCO<sub>2</sub>e. The operational GHG emission sources included in this inventory are shown in Figure 1 below.

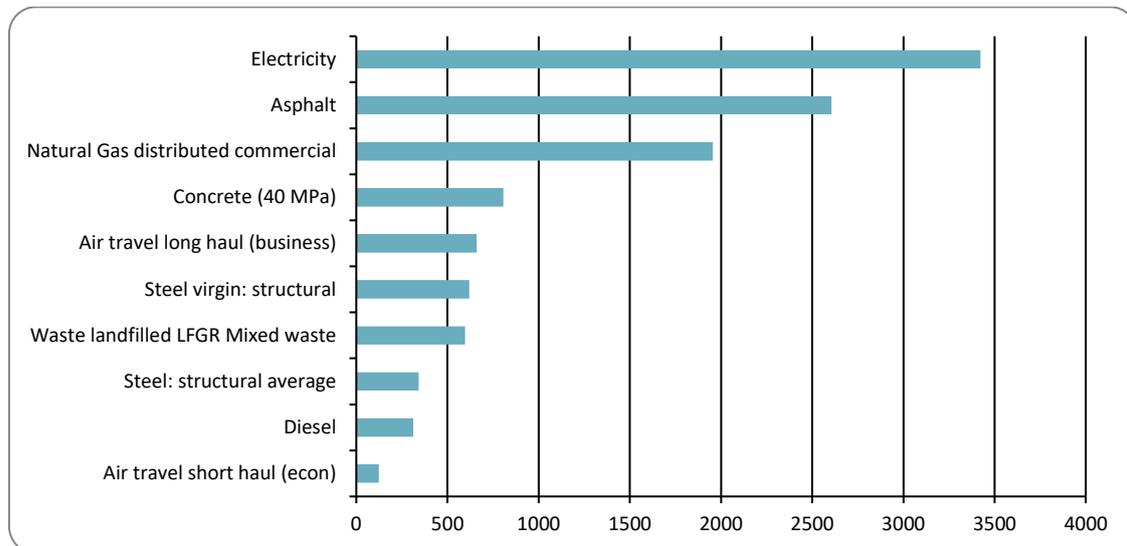


Figure 1: GHG emissions by emissions source (tCO<sub>2</sub>e)

Emissions as tonnes of carbon dioxide equivalents (tCO<sub>2</sub>e) for this period were:

Scope	tCO <sub>2</sub> e
Scope 1	2,472.18
Scope 2	3,422.79
Scope 3 Mandatory	1,559.63
Scope 3 Additional	122.57
Scope 3 One time	4,545.88
<b>Total gross emissions</b>	<b>12,123.05</b>

## EMISSIONS REDUCTIONS

To reduce its emissions, Auckland Airport has developed a GHG emissions management plan and reduction targets. Some of these plans include:

Emissions reduction initiative	Target	Baseline (tCO <sub>2</sub> e)
Reduction in total mandatory GHG emissions per 1,000 passengers by 2020	20%	0.61
Reduction in scope 1 and 2 GHG emissions per m <sup>2</sup> of terminal space by 2025	45%	72.20
Reduction in scope 1 and 2 GHG emissions per m <sup>2</sup> of terminal space by 2050	80%	72.20
Reduce electricity consumption in international terminal	20%	4,282
Reduce gas consumption in international terminal	20%	1,673
Reduce fuel consumption from vehicle fleet	20%	344

<sup>1</sup> **Disclaimer:** This Disclosure Statement is a summary of the verified information considered for certification and the certification decision. It should not be taken to represent the full submission for certification. Whilst every effort has been made to ensure that the information in this Disclosure Statement is accurate and complete, Enviro-Mark Solutions Limited (trading as Toitū Envirocare) does not, to the maximum extent permitted by law, give any warranty or guarantee relating to the accuracy or reliability of the information.

Our initial energy, carbon, potable water and waste to landfill reduction targets remain valid - a 20% reduction in carbon and energy use per passenger by 2020 from our 2012 baseline.

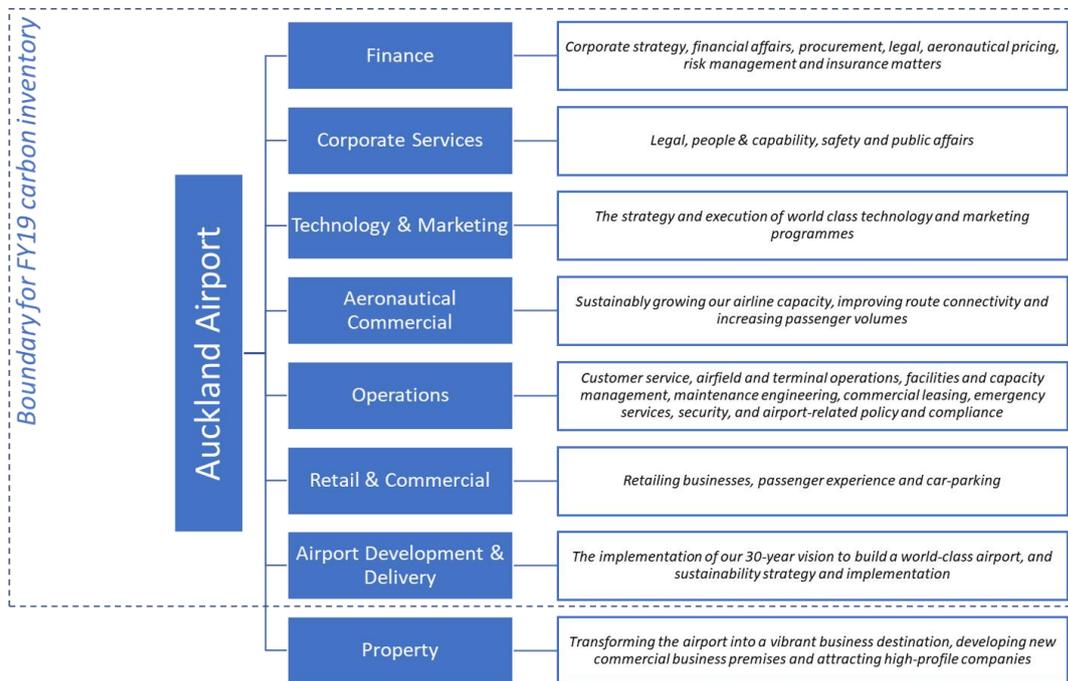
In 2017 we also established a science-based target (set through the SBTi) commensurate with less than 2 degrees warming - a 45% reduction in carbon per square meter of terminal area by 2025 from our 2012 baseline, and 80% by 2050. In the coming year we will seek to revise this target commensurate with 1.5 degrees warming.

In addition, we have also committed to achieving a 5 Star Green Star rating for the refresh of the Arrivals area in our International Terminal, with includes a 20% reduction in energy use from the base-case.

This is the 8th year of reporting under the Toitū carbonreduce programme. An absolute reduction in Scope 1 and 2 emissions of 933.96 tCO<sub>2</sub>e has been achieved against base year. A reduction in emissions intensity (for Scope 1, 2 and mandatory Scope 3 emissions) of 9.41 tCO<sub>2</sub>e/\$M has been achieved based upon a 5 year rolling average.

## EMISSIONS BOUNDARIES

Auckland Airport employees ~570 people across the business, with the majority engaged in airport operations. Our Executive Officer has eight direct reports that cover our physical operations, precinct and airport development; the services we provide, including customer service, retail and carparking; and our corporate business services, including finance, legal and human resources.



**Figure 2: Organisational structure showing business units included and excluded**

An operational control consolidation approach was used to account for emissions.

This is with reference to the methodology described in the GHG Protocol and ISO 14064-1:2006 standards.

The following emissions sources were excluded from the inventory for this measurement period:

The following points confirm the limitations of our inventory, including exclusions based on operational control, current reporting scope, and materiality.



- Freight – limited to couriers for small parcels/packages. Data not available for tracking weights, only dollar spend.
- Rental cars – Very few rental cars are booked with travel, so emissions are considered *de minimis*.
- Staff mileage - Emissions from staff travel claimed through mileage are considered *de minimis*.
- Staff taxi travel - Emissions from staff travel by taxi is considered *de minimis*.
- Staff travel - Emissions from staff travel to and from the airport for work is not included in the inventory at this time.
- Transport of materials - Emissions associated with the transport of materials to the airport for repairs, maintenance and construction are excluded from the inventory at this time. They are less material than the embodied emissions, which are included in the inventory.
- Property portfolio development - The emissions associated with the development and maintenance of the commercial properties developed by our Property team on spec for tenant occupation are excluded from our inventory at this time.
- Contractors – Auckland International Airport does not have any operational control over contractors.
- Tenant emissions – considered outside operational control.
- Shareholdings and partnerships – emissions from shareholdings in Queenstown and Tainui Auckland Airport Hotel are considered outside scope as AIAL hold minority share.

Excluded emissions do not exceed 5% of the total footprint within the organisation boundary stated.

## CERTIFICATE DETAILS

*Certification status* – Toitū carbonreduce certified organisation

*Certificate number* – 2019109J, Year 1 of 3 year certificate period

*Valid until* – 25 February 2023

*Measurement period* – 01 July 2018 to 30 June 2019

*Base year* – 01 July 2011 to 30 June 2012

*Verified by* – Enviro-Mark Solutions Limited

*Level of assurance* – Reasonable for Scope 1, 2 and Mandatory Scope 3 emissions

*Data quality score* – High