

New Plymouth Airport

# SUSTAINABILITY REPORT

2021



New Plymouth **Airport**



# Sustainability Review

Sustainability is ever-changing and a long-term commitment, meaning we will continue to work with the community, review and adapt our goals and objectives to continuously achieve a better standard. 2021 sees the first sustainability review to be documented

We are currently working with Future Posts based in Auckland, on a single-use mask recycling plan. They are currently talking with Fonterra and Air NZ before rolling the idea out to Airports around the country. The masks will be gathered and sent to Auckland where they are melted down with other plastics and made into plastic fence posts.

This year we are working towards gaining Level 2 Airport Carbon Accreditation (ACA) and registered with the Airport Council International (ACI)

This process involves data mapping from the last three years and showing a reduction in our emissions. Moving into the new terminal building in March 2020 means we are well on track for reducing our emissions and reaching our reduction goals

This year we signed up with NZ Tourism Sustainability, The NZ Tourism Sustainability Commitment consists of a set of 12 Commitments for individual businesses to work towards.

Our commitment to protecting the environment and maintaining a sustainable Airport is important.

We have a great Wildlife plan to help Taranaki become a predator-free region.



## Sustainability Goals and Objectives

### Social



- Maintaining and enhancing relationships with local iwi
- Educating staff and terminal tenants about becoming sustainable
- Supporting local NPDC and community initiatives

### Environmental



- Committing to reaching Airport Carbon Accreditation Level 2 by 2022
- Committing to reduce our Carbon Emissions by 30% by 2023 from 2018 (base year)
- Committing to using environmentally conscious suppliers
- Continuing to develop our Wildlife Hazard Management Plan in order to work towards a predator free Taranaki

### Financial



- Striving to be financially self-sustaining post-COVID
- Supporting local and regional businesses and partnerships



# What's New



## ACI Accreditation - Level 2

New Plymouth Airport has been working towards Level 2 Airport Carbon Accreditation for the last 6 months. Level 2 consists of managing and reducing our carbon footprint. To obtain level 2 accreditation we mapped our carbon emissions in accordance with the requirements of the Airport Council International (ACI). Mapping starting in 2018 as our base year. Mapping is broken into two scopes - see figure 1

We will continue to measure and monitor our emissions using the Airport Carbon and Emissions Reporting Tool (ACERT). Sustainability has always been at the forefront of the company, however this year we have created a Sustainability policy and also created a Carbon Management Plan to follow and track our improvements.

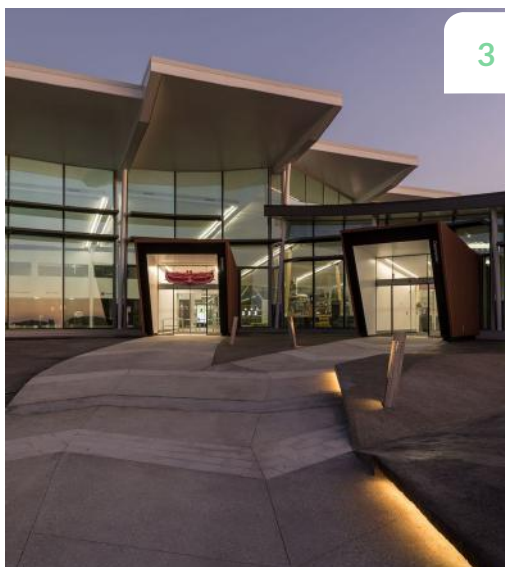


## Local lures helping towards predator free Taranaki

As part of our sustainability goals we are helping the Taranaki region become predator free. To do this we have sourced a local initiative from Auroa School in South Taranaki, created by four young women.

The solar-powered lures attached to the traps aim to protect native Whio/blue duck, which are endangered in Taranaki, by using sounds like chirping baby birds to attract predators such as stoats and rats.

We have been using these traps for the last 2 years and have already caught a stoat and many rats.



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## New Terminal Building - Te Hono

### Energy reduction features in the new terminal building:

- Utilising the first principles of the passive solar design approach
- Incorporating enhanced thermal insulation
- Selecting a light coloured roof for the main public space to reduce heat gain
- Specifying IGU Low-e double glazing with spectrally selective coatings to control glare and solar gain while allowing ample natural daylight. Differing glass solar control specification based on exposure to solar gain
- Designing large roof overhangs and external solar shading devices to northern facades
- Designing all-electric systems to avoid the on-site combustion of fossil fuels
- Specifying energy-efficient HVAC controls including economizer cycle, heat recovery, and demand-controlled ventilation
- Designing high efficiency LED lighting with automatic daylight dimming control and presence detection
- The lower northern roof area and electrical infrastructure has been specifically designed to accommodate a future PV solar array
- Comprehensive commissioning of building services was undertaken
- 12 months post-occupancy building tuning using Beca's BTune analytics service

# Carbon Footprint Emissions

The below charts highlight the emissions New Plymouth Airport has used over the last 2 calendar years with 2018 being our base year. Due to COVID 19 2020 was excluded.

**Scope 1** emissions are from direct sources such as fuel, gas refrigerant losses and onsite water disposal.

**Scope 2** emissions are those that arise from purchased electricity

Disclaimer emissions are still to be verified by an independent auditor

Reporting Year	Scope 1 (tCO2e)	Scope 2 (tCO2e)	Total Scope 1 & 2 (tCO2e)	% Change	tCO2e/pax	% Change
2018 (Base year)	58.25	18.48	76.73		0.0001707	
2019	59.06	17.38	76.44	-0.38	0.0001706	-0.06
2020	Excluded					

Figure 1

## New Plymouth Airport Emissions

