

Noise Mitigation Programme Report October – December 2023

Introduction

Auckland Airport is committed to managing aircraft noise in a responsible way. Auckland Airport offers a noise mitigation package to the owners of buildings used for particular activities sensitive to aircraft noise within specific annual noise contours. The purpose of the noise mitigation package is to help a house to achieve an internal noise environment of 40 dBA Ldn or less with all windows and doors closed.

Auckland Airport’s Designation 1100 sets out how the Noise Mitigation Programme is implemented (Appendix A).

The purpose of this report is to update the Aircraft Noise Community Consultative Group (“ANCCG”) on the implementation of the Noise Mitigation Programme for the period October 2023 – December 2023.

2023-2024 Offer

The 2023-2024 Annual Aircraft Noise Contour (“AANC”) is smaller than the 2019-2020 AANC due to reduced aircraft movements post the Covid-19 pandemic. As a result, no new mitigation offers are explicitly required this year as all properties within the 2023-24 AANC have previously been offered a noise mitigation package. Nevertheless, Auckland Airport has chosen to make an offer this year to all properties within:

- the full extent of the future high aircraft noise area (“HANA”) for the existing runway (approximately 350 properties) as mapped under the Auckland Unitary Plan (Appendix B); and
- the 2019-2020 moderate aircraft noise area (“MANA”) contour (approximately 1000 properties).

The 2023-2024 offer was sent in November 2023 via mail to both the property owner and the tenant.



Awareness Campaign

Historically, homeowner uptake of the noise mitigation offer has been very low with an average annual uptake of approximately 5% (Appendix C).

Auckland Airport will run a number of initiatives during 2024 with the aim of improving uptake and engagement.

During this quarter Auckland Airport has:

- Updated the offer letter to make the messaging less complex and easy to read, and noting in five languages (Te Reo; Hindi; Mandarin; Tongan; and Samoan) that translations of the entire letter and fact sheet are available on request.
- Redesigned the Noise Mitigation Programme fact sheet and community poster. These documents will be available in local community hubs within the AANC e.g. libraries, churches, and community halls.
- Updated Auckland Airport website material, including links, the interactive map for homeowners to check eligibility, and online enquiry form.
- Sent out offer letters to tenants as well as property owners of eligible homes within the HANA and MANA.
- Published newspaper advertisements in the NZ Herald and Manukau Courier, both of which circulate within the HANA and MANA, and have a combined readership of 650,000.

Additional communication tools are planned to raise awareness and uptake. These may include:

- Placing notices in community newsletters e.g. schools and churches and providing brochures for parents and members.
- Creating content for sharing on Auckland Airport, Local Board, Auckland Council, and community social media accounts. This content may include videos and transcribed interviews with property owners who have already received a noise mitigation package.
- General advertisements on social media and local radio stations advising of the Noise Mitigation Programme.

Record of delivery 2023-2024 offer

	Total eligible	Pre-inspection	Formal offer sent but not accepted	Covenant registrations	Awaiting installation or installation underway	Completed
October 2023 – December 2023	1350	2	0	7	3	0
January 2024 – March 2024						

Appendices

- A. Context for the Noise Mitigation Programme
- B. Full extent of the MANA and HANA for the existing runway as mapped under the Auckland Unitary Plan
- C. Annual offer and uptake figures
- D. Description of the key stages in the delivery of the Noise Mitigation Programme

Appendix A

Context for the Noise Mitigation Programme

Legal obligations

Auckland Airport is required to manage the effects of aircraft noise generated by its operation under the provisions of the Auckland Unitary Plan. Condition 10 of Auckland Airport Designation 1100 sets out the requirements for how Auckland Airport should manage the effects of aircraft noise through the implementation of a Noise Mitigation Programme (“NMP”) whereby noise mitigation packages are offered to owners of homes most affected by aircraft noise.

Every year Marshall Day Acoustics calculates (on behalf of Auckland Airport) the average level of aircraft noise that is expected from Auckland Airport’s operations in the following 12 months and develops corresponding Annual Aircraft Noise Contours (“AANC”). The AANC is split into the high aircraft noise area (“HANA”) and the moderate aircraft noise area (“MANA”), to determine what mitigation package a home is eligible for.

Noise Mitigation Package

Noise mitigation packages are offered on an annual basis to eligible properties located within the extent of the AANC. Homes built or granted resource consent after 10 December 2001 do not qualify for the noise mitigation package. The purpose of the noise mitigation package is to help a house to achieve an internal noise environment of 40 dBA Ldn or less with all windows and doors closed.

The HANA mitigation package includes:

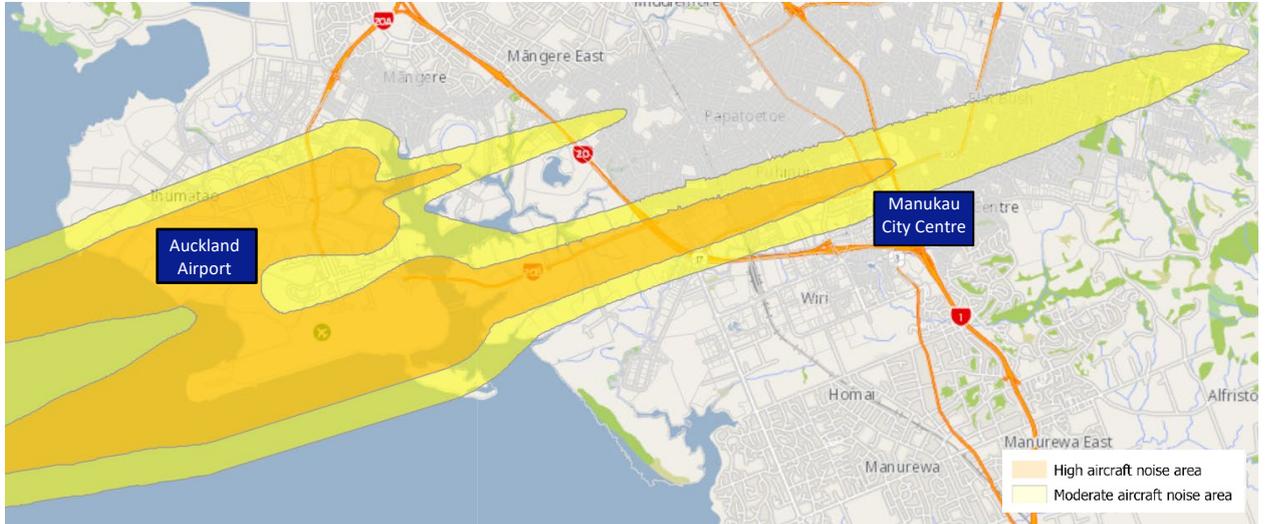
- a heat pump to provide heating or cooling
- window and door seals
- ceiling insulation
- a ventilation system that will circulate fresh air through your home
- a kitchen extraction fan

The MANA mitigation package includes:

- a heat pump to provide heating or cooling
- a ventilation system that will circulate fresh air through your home
- a kitchen extraction fan

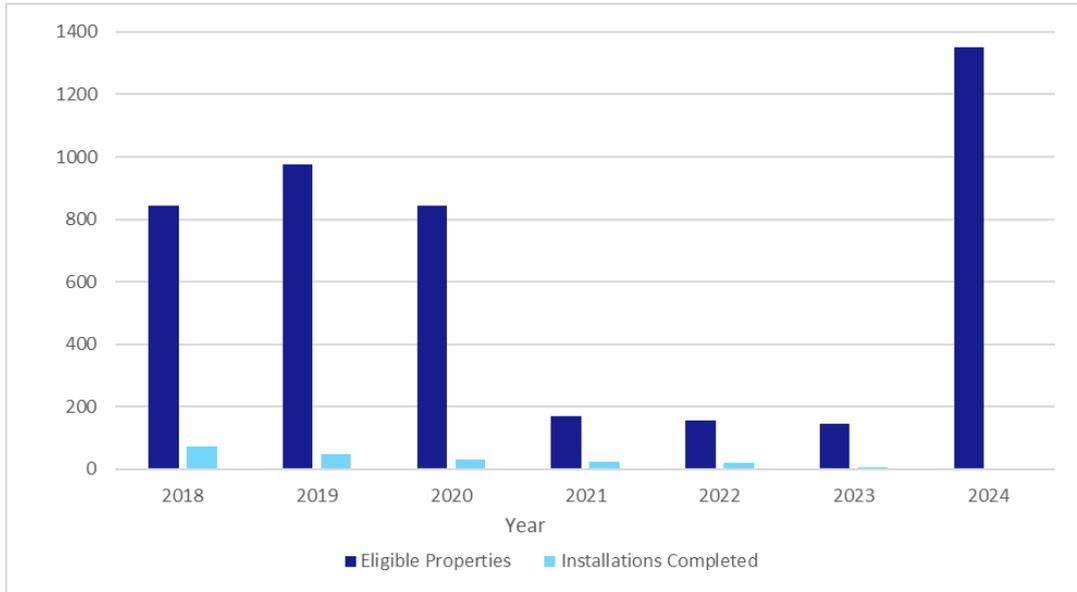
All noise mitigation packages are subsidised by Auckland Airport, however, the financial contribution offered by depends on where the home is located within the AANC. Within the high aircraft noise area Auckland Airport will pay the full cost of noise mitigation package. Within the moderate aircraft noise area Auckland Airport pays 75% of the cost of installing the noise mitigation package. The homeowner needs to pay the remaining 25% of the cost. Financial assistance is available through the Auckland Airport Community Trust, see: <https://www.aucklandairportcommunitytrust.org.nz/noise-mitigation/what-we-fund/>.

Appendix B
Full extent of the MANA and HANA as mapped in the Auckland Unitary Plan



Appendix C
Annual offer and uptake figures

Total eligible properties and installations completed by year



Financial Year	Eligible Properties	Installations Completed	Rolling Total Installations to Date
2018	842	73	73
2019	977	49	122
2020	842	30	152
2021	169	24	176
2022	156	20	196
2023	147	5	201
2024	1350	0	201

Appendix D

Key stages in the delivery of the Noise Mitigation Programme

Key stages of the delivery of the Noise Mitigation Programme are:

Pre-inspection

When an eligible homeowner registers an interest in receiving a noise mitigation package from Auckland Airport, a pre-inspection of the property will be arranged. Auckland Airport's Project Manager will liaise with the homeowner and arrange for all contractors to undertake the pre-inspection, ideally on the same day. This pre-inspection is necessary to ensure the property meets health and safety standards and to determine the most suitable package to be installed.

Formal offer

Once the property has been inspected, Auckland Airport will then send a formal offer to the homeowner confirming the package specifications, where it will be installed, and details on next steps. The homeowner can either accept or decline the offer.

Covenant registration

Once a formal offer has been accepted, the homeowner must enter into a covenant (which is registered on the Record of Title of their property) with Auckland Airport. The purpose of the covenant is to provide notice that the noise mitigation package has been installed, that the effectiveness of the package cannot be lessened, and that the equipment cannot be removed without permission from Auckland Airport. Auckland Airport covers the cost of initial legal advice (up to \$300 excl GST) and covenant registration fees (up to \$1500 excl GST) associated with this part of the process.

Installation

Once Auckland Airport has confirmed covenant registration (and if located in the MANA, acceptance of 25% of the package cost) Auckland Airport will advise the Project Manager that the noise mitigation package can be installed. The Project Manager is responsible for liaison with the homeowner/tenant to arrange installation of the noise mitigation agreed with Auckland Airport.