

PROPOSED PLAN CHANGE 4 – ROTORUA OPERATIVE DISTRICT PLAN

TRACKED CHANGES

Change 1: New Noise Chapter

The text below has been marked up. Where text has simply been transferred from the Zone Chapter into the new Noise Appendix with no substantive changes other than minor editorial amendments such as updating of referencing, the text is not underlined. Where there are substantive amendments to the text or new text added then these changes are underlined.

APPENDIX 11
NOISEA11.1 INTRODUCTION

Noise is a particularly important amenity consideration, and therefore a dedicated chapter and specific rules are included in the District Plan. The rules aim to avoid, remedy or mitigate the adverse effects of noise from activities on residents. The rules also aim to maintain a reasonable balance between the amenity expected in noise sensitive areas and the viable functioning of permitted and lawfully established activities. As such Reverse Sensitivity is also a focus of the Noise provisions. Reverse Sensitivity is the potential for the operation of an existing lawfully established activity to be constrained or curtailed by the more recent establishment of other activities which are sensitive to the adverse effects generated by the first activity. A range of provisions are included, such as the requirement that new dwellings in the Central City includes insulation that provides an acceptable internal noise environment, reducing the potential for noise complaints arising from sleep disturbance. Other mechanisms are implemented at the zoning stage where appropriate buffers and separation distances are set between uses and zones that may clash.

In addition to the rules the enforcement orders and abatement notice procedures of the Act will be used to control unreasonable noise.

A11.2 KEY ENVIRONMENTAL ISSUES

Noise has the potential to cause annoyance and affect health, depending on:

- when and where it occurs;
- its duration;
- physical characteristics, including the sound pressure level (loudness) and frequency (pitch);
- its steadiness;
- variations of these properties; and
- whether special audible characteristics are present.

Particular issues are:

1. The operation of non-residential activities within residential zones that generates noise which detracts from existing amenity
2. Activities within one zone generating noise which detracts from the amenity of adjacent zones, for example between Industrial and Residential zones, and between the Airport and surrounding Residential and Rural zones.
3. The operation of rural and non-rural activities in the Rural zones that generate noise which detracts from amenity
4. The perception of the Rural zones as being quiet environments that does not reflect the reality of these zones as productive working areas
5. The expectation by residents of a certain standard of amenity in the Central City that conflicts with the permitted noise environment and the primary function of the Central City
6. The operation of aircraft, including helicopters that detract from amenity in the residential and rural zones.

A11.3 OBJECTIVES AND POLICIES

The specific Objectives and Policies for Noise are stated below. The Objectives and Policies below shall be read in conjunction with the various Zone provisions, Parts 1-3 and the technical requirements in Parts 13-17.

Appropriate Noise Environment

Objective A11.3.1

A noise environment consistent with the character and amenity expected for the zone

Policy 11.3.1.1	<u>Control the potential adverse effects of noise on noise sensitive activities by setting appropriate standards that reflect each zone's function and permitted activities</u>
Policy 11.3.1.2	<u>Control the potential adverse effects of noise generated in one zone and received in another zone</u>
Policy 11.3.1.3	<u>Minimise, where practicable, noise at its source or on the site from which it is generated to mitigate adverse effects on adjacent sites</u>
Policy 11.3.1.4	<u>Exempt from the maximum permitted noise level requirements those activities which are an integral part of accepted management practices of activities associated with production land in rural areas as well as other activities clearly of a temporary nature (e.g. Construction works, emergency back- up generators).</u>

Reverse Sensitivity

<p><u>Objective A11.3.2</u></p> <p><u>Existing and permitted activities in the central city, rural and industrial zones are protected from noise reverse sensitivity</u></p>	
Policy 11.3.2.1	<u>Encourage activities to locate in zones where the noise generated is compatible with other activities and, where practicable, adjacent zones.</u>
Policy 11.3.2.2	<u>Mitigate adverse effects generated by central city, industrial, infrastructural and rural activities through appropriate zone buffering, landscaped buffers and building location to maintain the amenity of adjacent residential zones or marae and habitable buildings.</u>
Policy 11.3.2.3	<u>Mitigate adverse effects generated by central city and infrastructural activities through the requirement that new noise sensitive activities that locate within the Central City or close to major infrastructure are appropriately insulated.</u>
Policy 11.3.2.4	<u>Limit the location of new residential activities sensitive to disturbance from lawfully established rural industries, recreation, infrastructure and network utilities to avoid reverse sensitivity effects.</u>

A11.4 ENVIRONMENTAL OUTCOMES

The efficiency and effectiveness of the policy framework of this part will be the focus of ongoing monitoring and review. Effectiveness or achievement of the objectives will be assessed through performance indicators. The performance indicators will be developed to measure the following outcomes that the policy framework was put in place to achieve:

1. Amenity of zones consistent with that anticipated.
2. Improved amenity where residential zones interface with other zones.
3. No reverse sensitivity effects at the interface of industrial zones and infrastructure activities and other zones.
4. No reverse sensitivity effects within the Central City zones
5. The continued viable production of rural land

A11.5 RULES

Tables A11.5.1 and A11.5.2 identify the status of activities which are provided for in this part of the plan.

The following abbreviations for the zones are used in activity tables A11.5.1 and A11.5.2:

<u>Abbreviation:</u>	<u>Zone Name:</u>	<u>Zone Description:</u>
<u>RD₁ =</u>	<u>Residential₁</u>	<u>Low Density Living</u>
<u>RR₁ =</u>	<u>Rural₁</u>	<u>Working Rural</u>
<u>BI₃ =</u>	<u>Business and Innovation</u>	<u>Eastgate</u>
<u>CM₃</u>	<u>Commercial₃</u>	<u>Neighbourhood Centres</u>

The following abbreviations are used for classes of activities in tables A11.5.1 and A11.5.2:

<u>P = Permitted</u>	<u>C = Controlled</u>	<u>RD = Restricted Discretionary</u>
<u>D = Discretionary</u>	<u>NC = Non-complying</u>	<u>Pro = Prohibited</u>

The 'NA' abbreviation in the activity table refers to where an activity is not applicable to the zone.

The activity classes in tables A11.5.1 and A11.5.2 are explained in the User Guide at the front of the district plan.

Meanings for the terms in tables A11.5.1 and A11.5.2 can be found in Part 17 Definitions; zone descriptions in the relevant Parts.

Permitted and controlled activities shall comply with the relevant performance standards in section A11.6.

Activities must also be assessed against the Zone Chapters.

The activity status may be altered if the site contains or is adjacent to an item identified in Appendix 1 Cultural and Historic Heritage Inventory or Appendix 2 Natural Heritage Inventory, of the plan.

Table A11.5.1: Activities in all Zones

<u>Rules</u>	<u>All zones</u>
<u>General</u>	
<u>Any activity stated as a permitted activity that does not meet the performance standards in A11.6.</u>	<u>RD</u>
<u>ADVICE NOTE: Noise levels from telecommunications cabinets located within road reserves shall comply with Clause 9 of the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008.</u>	

Table A11.5.2: Airport Noise Contour Controls

<u>Airport Noise Contour Controls</u> (Map references: 329, 330, 339, 362, 363, 364, 367, 368, 369)				
<u>Zone:</u>	<u>CM₃</u>	<u>RD₁</u>	<u>RR₁</u>	<u>BI₃</u>
<u>Any addition to an existing activity sensitive to aircraft noise within the Inner Noise Control Area shown on the Planning Maps, that increases the total gross floor area of the noise sensitive activity by more than 25% of the total gross floor area that existed before the date on which Council makes a decision on submissions on this rule under section 86B of the Resource Management Act 1991.</u>	<u>RD</u>	<u>RD</u>	<u>RD</u>	<u>RD</u>
<u>Any new activity sensitive to aircraft noise within the Inner Noise Control Area shown on the Planning Maps</u>	<u>D</u>	<u>D</u>	<u>D</u>	<u>D</u>

<u>Airport Noise Contour Controls</u> (Map references: 329, 330, 339, 362, 363, 364, 367, 368, 369)				
<u>Zone:</u>	<u>CM₃</u>	<u>RD₁</u>	<u>RR₁</u>	<u>Bl₃</u>
Any new or extension to an existing activity sensitive to aircraft noise within the Air Noise Area as shown on the Planning Maps ¹	<u>NA</u>	Pro	Pro	<u>NA</u>

Table A11.5.3: Noise Sensitive Activities near the Reporoa Dairy Manufacturing site

Rules	RR1 zone
Any noise sensitive activity within the 45 dB L _{Aeq} Noise Control boundary surrounding the Reporoa Dairy Manufacturing site.	D

A11.6 PERFORMANCE STANDARDS

A.11.6.1 Noise generated and received within the same zone

Noise levels shall not exceed the following limits when measured at any point within the boundary of the receiving site:

1. Residential Zones (RD1, RD2, RD3, RD4, RD5)		
Daytime	7am to 10pm, any day except public holidays	50dB L _{Aeq(15 min)}
Night-time	At all other times	40dB L _{Aeq(15 min)} and 70dB L _{Amax}
2. City Centre Zone 1 (Mid City) and City Centre Zone 3 (Northern Edge)		
Daytime	7am to 10pm, any day except	65dB L _{Aeq(15 min)}

¹ Note: This rule is subject to plan change 1.

	public holidays	
Night-time	At all other times	60dB $L_{Aeq(15\ min)}$ and 75dB L_{Amax}
2.1 City Centre Zone 1 (Mid City) and City Centre Zone 3 (Northern Edge) – Community Events		
Noise levels for large scale community events located on council owned or controlled property within City Centre 3 shall comply with the following standards and limits:		
<ul style="list-style-type: none"> i. For four events in any 12 month period a noise limit of 95dB $L_{Aeq(1\ hour)}$ at any point within the receiving site in adjacent zones. ii. For the four events provided for under i. above the events shall conclude by 12.30am. iii. For two events in any 12 month period – a noise limit of 70dB $L_{Aeq(1\ hour)}$ at any point within the receiving site in adjacent zones providing the event does not exceed 12 hours per day over a two day period. iv. All other events shall comply with the noise standards specified under A.11.6.1.2 v. Octave band noise levels within residential zones shall not exceed 85dBZ $L_{Aeq(1\ min)}$ at 63Hz and 75dBZ $L_{Aeq(1\ min)}$ at 125Hz. 		

3. City Centre Zone 2 (Southern City)		
Day-time	7am to 10pm, any day except public holidays	65dB $L_{Aeq(15\ min)}$
Night-time	At all other times	60dB $L_{Aeq(15\ min)}$ and 75dB L_{Amax}

4. Commercial 1, 2, 4, 5 and 6 Zones		
Daytime	7am to 10pm, any day except public holidays	65dB $L_{Aeq(15\ min)}$
Night-time	At all other times	60dB $L_{Aeq(15\ min)}$ and 75dB L_{Amax}

5. Commercial 3 Zone		
Daytime	7am to 10pm, any day except public holidays	50dB $L_{Aeq(15\ min)}$
Night-time	At all other times	40dB $L_{Aeq(15\ min)}$ and 70dB L_{Amax}

6. Industrial Zones (ID1, ID1E, ID2, T)

Daytime	7am to 10pm, any day except public holidays	75dB L _{Aeq (15 min)}
Night-time	At all other times	70dB L _{Aeq (15 min)} and 80dB L _{Amax}

6.1 Industrial Zones – Reporoa Dairy Manufacturing Site

Activities located within the Reporoa Dairy Manufacturing Site (Planning Map 395) shall not exceed 45 dB L_{Aeq (15 min)} when measured at the 45dB L_{Aeq} noise control boundary as shown on Planning Maps 395 and 546 except that where the noise control boundary is located within land in common ownership with the Reporoa Dairy Manufacturing Site noise shall be measured at the boundary with land not in common ownership with the Reporoa Dairy Manufacturing Site.

6.2 Industrial Zones – Block bounded by Fairy Springs, Victory, Russell and Salisbury Roads

Noise levels within the block bounded by Fairy Springs Road, Victory Road, Russell Road and Salisbury Road, shall not exceed the noise limit specified for the residential zones at any point within the site boundary of a household unit.

7. Business & Innovation: Scion Innovation Park (BI1)

Daytime	7am to 10pm, any day except public holidays	50dB L _{Aeq (15 min)}
Night-time	At all other times	40dB L _{Aeq (15 min)} and 75dB L _{Amax}

8. Business & Innovation: Waipa Business Park (BI2) and Eastgate Business Park (BI3)

Daytime	7am to 10pm, any day except public holidays	75dB L _{Aeq (15 min)}
Night-time	At all other times	70dB L _{Aeq (15 min)} and 80dB L _{Amax}

9. Rural Zones (RR1, RR2, RR3)

Noise levels shall not exceed the following limits when measured at any point within the notional boundary of any rural dwelling:

Daytime	7am to 10pm, any day	50dB $L_{Aeq(15\ min)}$
Night-time	At all other times	40dB $L_{Aeq(15\ min)}$ and 75dB L_{Amax}

9.1 Rural Zones – Well drilling

Noise levels shall not exceed the following limits when measured at any point within the notional boundary of any rural dwelling:

Daytime	7am to 10pm, any day	70dB $L_{Aeq(15\ min)}$
Night-time	At all other times	60dB $L_{Aeq(15\ min)}$ and 85dB L_{Amax}

9.2 Rural Zones – Audible bird scaring devices

Any audible bird scaring devices shall be operated as follows:

- i. Noise from audible explosive bird scaring devices shall only be operated between sunrise and sunset, and shall not exceed 100dB L_{Zpeak} when measured at any point within the notional boundary to any dwelling in the Rural zone, or at any point within the site boundary of any residential-zoned site.
- ii. Discrete sound events of a bird scaring device including shots or audible sound shall not exceed 3 events within a 1 minute period and shall be limited to a total of 12 individual events per hour.
- iii. A legible notice is fixed to the road frontage of the property on which the device is being used, giving the name, address and telephone number of the person responsible for the operation of any such device(s).

9.3 Rural Zones – Frost fans

Any frost fans shall be operated as follows:

- i. Noise generated by frost fans shall not exceed 55dB $L_{Aeq(15min)}$ when measured at any point within the notional boundary to any dwelling in the Rural zone, or at any point within the boundary of any residential- zoned site.
- ii. A legible notice is fixed to the road frontage of the property on which it is being used, giving the name, address and telephone number of the person responsible for its operation.

10. Reserves, Community Assets and Water

Noise levels from temporary community and district events shall not exceed the following limits when measured at any point within the boundary of the receiving site in any adjoining zone:

Four events up to 3 hours duration per every 12 month period	80 dB $L_{Aeq(1\text{ hour})}$
Three events every 12 month period, up to 12 hours per day for two consecutive days	70 dB $L_{Aeq(1\text{ hour})}$
Octave band levels	85dB $L_{Aeq(1\text{ minute})}$ at 63 Hz 75dB $L_{Aeq(1\text{ minute})}$ at 125 Hz

10.1 Reserves, Community Assets and Water – all other events

Other than that specified above under 10, noise levels from any activity shall not exceed the following limits when measured at the boundary of the zone:

Daytime	7am to 10pm, any day except public holidays	50dB $L_{Aeq(15\text{ min})}$
Night-time	At all other times	45dB $L_{Aeq(15\text{ min})}$ and 75dB L_{Amax}

A11.6.2: Noise generated and received within different zones

Noise levels from any activity shall not exceed the noise limits specified for the adjoining zone when measured at any point within the receiving site, or at any point within the notional boundary of any dwelling in the Rural zones, except where provided under:

1. A11.6.1.9.2 (audible bird scaring devices), and A11.6.1.9.3, (frost fans).

2. A11.6.1.10 and A11.6.1.10.1
3. A11.6.1.2.1
4. Octave band noise levels from the Commercial 1, 2, 4, 5 and 6 Zones should not exceed the following limits when measured at any point within any residential-zoned site:

75dBZ $L_{Aeq(1\text{ min})}$ at 63Hz and 65dBZ $L_{Aeq(1\text{ min})}$ at 125Hz

A11.6.3: Acoustic treatment of noise sensitive activities

1. Noise sensitive activities near State Highways

ADVICE NOTES:

- The term "Noise Sensitive Activities" has the same meaning as that included in the Definitions, except that for the purposes of these performance standards does not include:
 - Conference facilities, communal lounges operated as part of a holiday park
 - Community facilities
- This performance standard shall not apply to Maori cultural training facilities at Te Puia, being the site inclusive of land legally described as Section 1 SO408975.
- The requirements of Clause G4 of the New Zealand Building Code will apply at the same time as to the requirements contained in this performance standard A11.6.3.

In the Residential, City Centre 1 and 3, Commercial 1-6 and Rural zones:

Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70KM/Hr, or within 80 metres of a State Highway with a speed limit of 70km/hr or more (measured from the nearest painted edge of the carriageway), shall comply with the noise mitigation requirements contained below:

- a.
 - i. Any new residential unit or extension/alteration to an existing residential unit that exceeds 25% of the existing gross floor area, shall meet an internal road-traffic design sound level of 40 dB $L_{Aeq(24h)}$ inside all habitable rooms,
 - ii. any new noise sensitive activity other than residential activity shall meet an internal road-traffic design sound level of 40dB $L_{Aeq(24h)}$ inside all habitable rooms and teaching areas.

An acoustics design report from a suitably qualified acoustics specialist shall be provided to the Council demonstrating compliance with A11.6.3.1.a prior to the commencement of construction.

- b. As an alternative to complying with A11.6.3.1.a, any new noise sensitive activity, including extension/alteration to a residential unit which exceeds 25% of the existing gross floor area, shall comply with the following:

- i. The windows of all habitable rooms and teaching areas shall be constructed with glazing that includes a laminated pane that is at least 6.38mm thick and covers the glazed area.
- ii. A ventilation system shall be installed in accordance with A11.6.3.1.d below.

ADVICE NOTE: An acoustic design report will not be required for compliance with A11.6.3.1.b.

- c. A11.6.3.1.a and A11.6.3.1.b do not apply if:
 - i. It can be demonstrated by way of prediction or measurement by a suitably qualified and experienced acoustics specialist that the road-traffic noise level from any existing state highway is less than 55 dB $L_{Aeq(24h)}$ on all façades of a new noise sensitive activity, or extension/alteration to an existing noise sensitive activity, or
 - ii. The nearest façade of the dwelling is at least 50 metres from any state highway and there is a solid building, fence, wall or landform that blocks the line of sight from all parts of all windows and doors to habitable rooms to any part of the road surface of any state highway, or
 - iii. The NZ Transport Agency provides written consent that the performance standards do not need to be applied to a proposed activity.

Explanatory note: A11.6.3.1.c.iii is intended to provide for circumstances where the expectation of human occupancy of buildings would, by reason of the period of occupancy or vulnerability, not be sensitive to state highway noise. It may also account for other circumstances which may not justify the compliance costs including the viability of the proposed activity or where it is apparent that the occupants of a building are unlikely to be subject to noise issues, such as low traffic volumes or building design.

- d. A ventilation system installed under A11.6.3.1.b.ii above shall comply with one of the following:
 - i. Consist of an air conditioning unit(s) provided that the noise level generated by the unit(s) shall not exceed 40dB $L_{Aeq(30s)}$ in the largest habitable room (excluding bedrooms) and 35dB $L_{Aeq(30s)}$ in all other habitable rooms and teaching areas, when measured 1 metre away from any grille or diffuser, or
 - ii. Comprise a system capable of providing at least 6 air changes per hour in the largest habitable room (excluding bedrooms) and teaching spaces and at least 5 air changes per hour in all other habitable rooms, and
 - 1) The noise level generated by the system shall not exceed 40 dB $L_{Aeq(30s)}$ in the largest habitable room (excluding bedrooms) and 35dB $L_{Aeq(30s)}$ in all other habitable rooms, when measured 1 metre away from any grille or diffuser, and

- 2) The internal air pressure shall be no more than 10 Pa above ambient air pressure due to the mechanical ventilation, and
 - 3) The system must provide cooling that is controllable by the occupant and can maintain the temperature at no greater than 25 degrees Celsius.
2. Noise sensitive activities within City Centre and Commercial zones, and the Ohakuri Electricity Generation Core Site

In the City Centre 1 and 3, Commercial 1-6 zones and the Electricity Generation Core Site Noise Control Boundary identified on Planning Maps 213 and 540:

- a. Any new noise sensitive activities shall meet the minimum acoustic insulation standard of $D_{2m,nT,w} + C_r > 30$ dB for the external building envelope of each habitable room and when tested and verified in accordance with the following standards:
 - AS/NZS ISO717.1:2004 Acoustics – Rating of sound insulation in buildings and of building elements – Airborne sound insulation.
 - ISO 16283-1:2014 Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation.
- b. Under this performance standard habitable areas do not include transit and utility areas such as corridors, kitchens, bathrooms and storage areas.
- c. If the internal noise criteria cannot be achieved with windows and doors open, then a forced-air ventilation or air conditioning system which complies with the NZ Building Code shall be provided so that the acoustic and ventilation criteria can be achieved simultaneously with windows and doors closed. Noise from any ventilation system shall not cause the internal noise criteria to be exceeded.
- d. At the time of application for building consent, an acoustic design certificate from a suitably qualified and experienced acoustic engineer will be required demonstrating how the internal noise criteria will be achieved.
- e. The acoustic design is not required to include mitigation from noise generated by large scale community events as detailed in A.11.6.1.10 and defined in Part 17 Definitions.

A.11.6.4 Construction Noise

All construction noise shall comply with the relevant noise levels stated in NZS6803: 1999, and shall be measured and assessed in accordance with NZS 6803:1999 'Acoustics – Construction Noise'.

A11.7 RESTRICTED DISCRETIONARY ACTIVITIES: METHOD

OF ASSESSMENT

Activities are expected to meet the performance standards of the zone, however in instances where one or more performance standards are not met, Council will limit its discretion to the extent to which the activity will avoid, remedy or mitigate the effects of the non-compliance in achieving the purpose of the relevant performance standard and the objectives and policies relevant to the matter of discretion.

For activities relating to Section 6 matters listed in Appendix 1 Cultural Historic Heritage Inventory and Appendix 2 Natural Heritage Inventory the assessment criteria below shall be read in conjunction with the provisions in Appendix 9 Section 6 Matters.

A11.7.1: Assessment Criteria

1. The nature of the zone within which the noise generating activity is located and its compatibility with the expected environmental results for that zone.
2. The nature of any adjoining zone(s), and the compatibility of the noise generating activity with the expected environmental results for those adjoining zone(s).
3. Existing ambient noise levels.
4. The length of time for which specified noise levels will be exceeded, particularly at night, with regard to likely disturbance that may be caused.
5. The potential for cumulative noise effects to result in an adverse outcome for receivers of noise.
6. The likely adverse impacts of noise generating activities both on and beyond sites, on a site, on visitors, users of business premises, or on public places in the vicinity.
7. The extent to which the noise may detract from enjoyment of any recreation or conservation area.
8. The maximum level of noise likely to be generated, its nature, character and frequency, and the disturbance this may cause to people in the vicinity.
9. Whether the noise generated would be of such a level as to create a threat to the health or well-being of persons living or working in the vicinity.
10. The proposals made by the applicant to reduce noise generation. This may include guidance provided by a suitably qualified and experienced acoustic consultant.
11. The value and nature of entertainment activities and their benefit to the wider community, having regard to the frequency of noise intrusion and the practicality of mitigating noise, or utilising alternative sites.
12. The extent to which achieving the relevant limits is practicable, given any existing activities which create noise, particularly on the interface with commercial, industrial or recreational activities.
13. The extent to which achieving the relevant limits is practicable where the existing noise environment is subject to significant noise intrusion from road, rail or air transport activities.

14. The adequacy of information provided by the applicant.
15. The level of involvement of a suitably qualified and experienced acoustic consultant in the assessment of potential noise effects and/or mitigation options
16. Any other relevant standards, codes of practice or assessment methods based on robust acoustic principles.

A11.7.2 Specific Assessment Criteria

Any Addition to Existing Activities Sensitive to Aircraft Noise within the Inner Noise Control Area, that increases the total gross floor area of the noise sensitive activity by more than 25% - Council shall restrict its discretion to the following matters:

1. The nature, size and scale of the proposed additions.
2. The application of the applicable acoustic performance standards listed under Appendix 7 Airport Noise and Development Controls, to existing parts of the structure housing the activity sensitive to aircraft noise.
3. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7 Airport Noise and Development Controls; and the means of securing any conditions of consent.
4. Whether, having regard to all the circumstances the nature, size and scale of the addition is likely to lead to potential conflict with and adverse effects upon airport activities.
5. Any assessment criteria applicable to the activity within the residential zones.
6. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.
7. The potential to detract from the qualities and characteristics specified of a landscape or feature identified in Appendix 2 Natural Heritage Inventory or the natural character of the environment.
8. How the proposal affects the appearance of the outstanding natural feature or landscape.
9. The level of involvement of a suitably qualified and experienced acoustic consultant in the assessment of potential noise effects and/or mitigation options

A11.8 DISCRETIONARY ACTIVITIES: METHOD OF ASSESSMENT

Council may grant or decline an application for a discretionary activity and may impose conditions.

In assessing the proposal, Council may consider all relevant objectives and policies within the district plan, all potential environmental effects, and any matters outlined in the Act

without limitation as part of the decision making process. Conditions may be imposed in relation to any of these matters. Whilst not limiting the exercise of its discretion, Council may also consider the particular matters below for the activities listed as discretionary in the activity table.

For activities relating to Section 6 matters listed in Appendix 1 Cultural Historic Heritage Inventory and Appendix 2 Natural Heritage Inventory the assessment criteria below shall be read in conjunction with the provisions in Appendix 9 Section 6 Matters.

A11.8.1: Assessment Criteria for Any New Activity Sensitive to Aircraft Noise within the Inner Noise Control Area

1. Whether, having regard to all the circumstances (including location in relation to the Airport, likely exposure of the site to aircraft noise, noise attenuation and ventilation measures proposed, and the number of people to be accommodated) the nature, size and scale of the activity is likely to lead to potential conflict with and adverse effects upon airport activities.
 2. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.
 3. The desirability of reasonably limiting the intensity of development and activities within the Inner Control area, including in relation to proposed subdivisions and higher density residential development.
 4. The application of the applicable acoustic performance standards listed under Appendix 7 Airport Noise and Development Controls.
 5. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7 Airport Noise and Development Controls; and the means of securing any conditions of consent.
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A11.9 NON-COMPLYING ACTIVITIES: METHOD OF ASSESSMENT

Applications for resource consent must be assessed on their merits against the requirements of the act. Consent for a non-complying activity may be granted only if Council is satisfied that either:

1. the adverse effects of the activity on the environment (other than any effect on a person who has given written approval to the application) will be minor:
or
2. the application is for an activity that will not be contrary to the Objectives and Policies of the District Plan.

If the proposal meets either of the two tests, council can then consider all other relevant matters and may grant or decline an application. If neither test is met, Council must decline the resource consent application.

Change 2: Location of Noise measurementA.11.6.1 Noise generated and received within the same zone

Noise levels shall not exceed the following limits when measured at any point within the boundary of the receiving site:

9. Rural Zones (RR1, RR2, RR3)

Noise levels shall not exceed the following limits when measured at any point within the notional boundary of any rural dwelling:

Changes 3 & 4: Include reference to New Zealand standards and new definition for noise and statement of exemptions

Term	Definition
Noise level	<p>Noise Level means a sound level measured in accordance with NZS6802:2008 <i>Acoustic – Measurement of Environmental Sound</i> and assessed, unless otherwise stipulated, with NZS6802:2008 <i>Acoustics – Environmental Noise</i>, but excludes the noise from the following sources:</p> <p>All zones:</p> <ul style="list-style-type: none"> • Construction: Sounds generated by construction, maintenance and demolition activities shall be assessed and controlled by reference to New Zealand Standard NZS 6803:1999 <i>Acoustics – Construction Noise</i>. • Temporary Military training • Emergency Services • Noise from helicopter landing areas: shall be assessed and controlled by reference to the provisions of NZS6807:1994 – Noise management and land use planning for helicopter land areas • Wind turbine generators with swept area greater than 80m²: shall be assessed and controlled by reference to NZS6808:2010 <i>Acoustics – Wind Farm Noise</i> • Emergency drilling in relation to geothermal bores <p>City Centre; Commercial; Industrial; Business and Innovation; Reserves, Community and Water zones:</p> <ul style="list-style-type: none"> • Emergency back-up generators <p>Rural zones:</p> <ul style="list-style-type: none"> • Vehicles and mobile machinery associated with agricultural and forestry production that are of limited

Term	Definition
	duration and not in a fixed location (note that ss16 and 17 of the RMA or any relevant provisions superseding them will need to be satisfied).
<p>ADVICE NOTES:</p> <ol style="list-style-type: none"> 1. S. 326 RMA Act exempts noise from aircraft (including helicopters), vehicles being driven on a road, and trains. 2. The control of noise from Rotorua Airport is contained within Appendix 6, Appendix 7 and the Noise chapter through land controls on noise sensitive activities in the Residential 1, Rural 1 and Business and Innovation 3 zones, and has been prepared in reference to the NZ Standard for Airport Noise Management and Land Use Planning 6805:1992. 	

Change 5: Clear distinction between noise generated and received within the same zone, and within another zone

B: NOISE GENERATED AND RECEIVED WITHIN DIFFERENT ZONES

a. Noise levels from any activity shall not exceed the noise limits specified for the adjoining zone when measured at any point within the receiving site, or at any point within the notional boundary of any dwelling in the Rural zones, except whereas provided under:

- i. A11.6.1.9.2 (audible bird scaring devices), and A11.6.1.9.3, (frost fans).
- ii. A11.6.1.10 and A11.6.1.10.1
- iii. A11.6.1.2.1
- iv. Octave band noise levels from the Commercial 1, 2, 4, 5 and 6 Zones should not exceed the following limits when measured at any point within any residential-zoned site:

75dBZ $L_{Aeq(1\text{ min})}$ at 63Hz and 65dBZ $L_{Aeq(1\text{ min})}$ at 125Hz

Change 6: Acoustic treatment of noise sensitive activities

A11.6.3: Acoustic treatment of noise sensitive activities

1. Noise sensitive activities near State Highways

ADVICE NOTES:

- The term "Noise Sensitive Activities" has the same meaning as that as included in the Definitions, except that for the purposes of these performance standards does not include:

- Conference facilities, communal lounges operated as part of a holiday park
- Community facilities
- This performance standard shall not apply to Maori cultural training facilities at Te Puia, being the site inclusive of land legally described as Section 1 SO408975.
- The requirements of Clause G4 of the New Zealand Building Code will apply at the same time as to the requirements contained in this performance standard A11.6.3.

In the Residential, City Centre 1 and 3, Commercial 1-6 and Rural zones:

Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70KM/Hr, or within 80 metres of a State Highway with a speed limit of 70km/hr or more (measured from the nearest painted edge of the carriageway), shall comply with the noise mitigation requirements contained below:

- e. i. Any new residential unit or extension/alteration to an existing residential unit that exceeds 25% of the existing gross floor area, shall meet an internal road-traffic design sound level of 40 dB $L_{Aeq(24h)}$ inside all habitable rooms,
- ii. any new noise sensitive activity other than residential activity shall meet an internal road-traffic design sound level of 40dB $L_{Aeq(24h)}$ inside all habitable rooms and teaching areas.

An acoustics design report from a suitably qualified acoustics specialist shall be provided to the Council demonstrating compliance with A11.6.3.1.a prior to the commencement of construction.

- f. As an alternative to complying with A11.6.3.1.a, any new noise sensitive activity, including extension/alteration to a residential unit which exceeds 25% of the existing gross floor area, shall comply with the following:
 - iii. The windows of all habitable rooms and teaching areas shall be constructed with glazing that includes a laminated pane that is at least 6.38mm thick and covers the glazed area.
 - iv. A ventilation system shall be installed in accordance with A11.6.3.1.d below.

ADVICE NOTE: An acoustic design report will not be required for compliance with A11.6.3.1.b.

- g. A11.6.3.1.a and A11.6.3.1.b do not apply if:
 - iv. It can be demonstrated by way of prediction or measurement by a suitably qualified and experienced acoustics specialist that the road-traffic noise level from any existing state highway is less than 55 dB $L_{Aeq(24h)}$ on all façades of a new noise sensitive activity, or extension/alteration to an existing noise sensitive activity, or
 - v. The nearest façade of the dwelling is at least 50 metres from any state highway and there is a solid building, fence, wall or landform that

blocks the line of sight from all parts of all windows and doors to habitable rooms to any part of the road surface of any state highway, or

- vi. The NZ Transport Agency provides written consent that the performance standards do not need to be applied to a proposed activity.

Explanatory note: A11.6.3.1.c.iii is intended to provide for circumstances where the expectation of human occupancy of buildings would, by reason of the period of occupancy or vulnerability, not be sensitive to state highway noise. It may also account for other circumstances which may not justify the compliance costs including the viability of the proposed activity or where it is apparent that the occupants of a building are unlikely to be subject to noise issues, such as low traffic volumes or building design.

- h. A ventilation system installed under A11.6.3.1.b.ii above shall comply with one of the following:
 - iii. Consist of an air conditioning unit(s) provided that the noise level generated by the unit(s) shall not exceed 40dB $L_{Aeq (30s)}$ in the largest habitable room (excluding bedrooms) and 35dB $L_{Aeq (30s)}$ in all other habitable rooms and teaching areas, when measured 1 metre away from any grille or diffuser, or
 - iv. Comprise a system capable of providing at least 6 air changes per hour in the largest habitable room (excluding bedrooms) and teaching spaces and at least 5 air changes per hour in all other habitable rooms, and
 - 4) The noise level generated by the system shall not exceed 40 dB $L_{Aeq (30s)}$ in the largest habitable room (excluding bedrooms) and 35dB $L_{Aeq (30s)}$ in all other habitable rooms, when measured 1 metre away from any grille or diffuser, and
 - 5) The internal air pressure shall be no more than 10 Pa above ambient air pressure due to the mechanical ventilation, and
 - 6) The system must provide cooling that is controllable by the occupant and can maintain the temperature at no greater than 25 degrees Celsius.

2. Noise sensitive activities within City Centre and Commercial zones, and the Ohakuri Electricity Generation Core Site

In the City Centre 1 and 3, Commercial 1-6 zones and the Electricity Generation Core Site Noise Control Boundary identified on Planning Maps 213 and 540:

- a. Any new noise sensitive activities shall meet the minimum acoustic insulation standard of $D_{2m,nT,w} + C_r > 30$ dB for the external building envelope of each habitable room and when tested and verified in accordance with the following standards:

- AS/NZS ISO717.1:2004 Acoustics – Rating of sound insulation in buildings and of building elements – Airborne sound insulation.
 - ISO 16283-1:2014 Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation.
- b. Under this performance standard habitable areas do not include transit and utility areas such as corridors, kitchens, bathrooms and storage areas.
 - c. If the internal noise criteria cannot be achieved with windows and doors open, then a forced-air ventilation or air conditioning system which complies with the NZ Building Code shall be provided so that the acoustic and ventilation criteria can be achieved simultaneously with windows and doors closed. Noise from any ventilation system shall not cause the internal noise criteria to be exceeded.
 - d. At the time of application for building consent, an acoustic design certificate from a suitably qualified and experienced acoustic engineer will be required demonstrating how the internal noise criteria will be achieved.
 - e. The acoustic design is not required to include mitigation from noise generated by large scale community events as detailed in A.11.6.1.10 and defined in Part 17 Definitions.

Change 7: Insertion of Assessment Criteria

A11.7.1: Assessment Criteria

1. The nature of the zone within which the noise generating activity is located and its compatibility with the expected environmental results for that zone.
2. The nature of any adjoining zone(s), and the compatibility of the noise generating activity with the expected environmental results for those adjoining zone(s).
3. Existing ambient noise levels.
4. The length of time for which specified noise levels will be exceeded, particularly at night, with regard to likely disturbance that may be caused.
5. The potential for cumulative noise effects to result in an adverse outcome for receivers of noise.
6. The likely adverse impacts of noise generating activities both on and beyond sites, on a site, on visitors, users of business premises, or on public places in the vicinity.
7. The extent to which the noise may detract from enjoyment of any recreation or conservation area.
8. The maximum level of noise likely to be generated, its nature, character and frequency, and the disturbance this may cause to people in the vicinity.
9. Whether the noise generated would be of such a level as to create a threat to the health or well-being of persons living or working in the vicinity.

10. The proposals made by the applicant to reduce noise generation. This may include guidance provided by a suitably qualified and experienced acoustic consultant.
11. The value and nature of entertainment activities and their benefit to the wider community, having regard to the frequency of noise intrusion and the practicality of mitigating noise, or utilising alternative sites.
12. The extent to which achieving the relevant limits is practicable, given any existing activities which create noise, particularly on the interface with commercial, industrial or recreational activities.
13. The extent to which achieving the relevant limits is practicable where the existing noise environment is subject to significant noise intrusion from road, rail or air transport activities.
14. The adequacy of information provided by the applicant.
15. The level of involvement of a suitably qualified and experienced acoustic consultant in the assessment of potential noise effects and/or mitigation options
16. Any other relevant standards, codes of practice or assessment methods based on robust acoustic principles.

A11.7.2 Specific Assessment Criteria

Any Addition to Existing Activities Sensitive to Aircraft Noise within the Inner Noise Control Area, that increases the total gross floor area of the noise sensitive activity by more than 25% - Council shall restrict its discretion to the following matters:

1. The nature, size and scale of the proposed additions.
2. The application of the applicable acoustic performance standards listed under Appendix 7 Airport Noise and Development Controls, to existing parts of the structure housing the activity sensitive to aircraft noise.
3. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7 Airport Noise and Development Controls; and the means of securing any conditions of consent.
4. Whether, having regard to all the circumstances the nature, size and scale of the addition is likely to lead to potential conflict with and adverse effects upon airport activities.
5. Any assessment criteria applicable to the activity within the residential zones.
6. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.
7. The potential to detract from the qualities and characteristics specified of a landscape or feature identified in Appendix 2 Natural Heritage Inventory or the natural character of the environment.
8. How the proposal affects the appearance of the outstanding natural feature or landscape.

9. The level of involvement of a suitably qualified and experienced acoustic consultant in the assessment of potential noise effects and/or mitigation options

A11.8.1: Assessment Criteria for Any New Activity Sensitive to Aircraft Noise within the Inner Noise Control Area

1. Whether, having regard to all the circumstances (including location in relation to the Airport, likely exposure of the site to aircraft noise, noise attenuation and ventilation measures proposed, and the number of people to be accommodated) the nature, size and scale of the activity is likely to lead to potential conflict with and adverse effects upon airport activities.
2. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.
3. The desirability of reasonably limiting the intensity of development and activities within the Inner Control area, including in relation to proposed subdivisions and higher density residential development.
4. The application of the applicable acoustic performance standards listed under Appendix 7 Airport Noise and Development Controls.
5. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7 Airport Noise and Development Controls; and the means of securing any conditions of consent.

Change 8: Insertion of a reference time interval

Example: 50dB L_{Aeq}(15 min)

Change 9: Airport Noise Insulation

<u>Airport Noise Contour Controls</u> (Map references: 329, 330, 339, 362, 363, 364, 367, 368, 369)				
<u>Zone:</u>	<u>CM3</u>	<u>RD1</u>	<u>RR1</u>	<u>Bl3</u>
<u>Any addition to an existing activity sensitive to aircraft noise within the Inner Noise Control Area shown on the Planning Maps, that increases the total gross floor area of the noise sensitive activity by more than 25% of the total gross floor area that existed before the date on which Council makes a decision on submissions on this rule under section 86B of the Resource Management Act 1991.</u>	<u>RD</u>	<u>RD</u>	<u>RD</u>	<u>RD</u>

<u>Airport Noise Contour Controls</u> (Map references: 329, 330, 339, 362, 363, 364, 367, 368, 369)				
<u>Zone:</u>	<u>CM₃</u>	<u>RD₁</u>	<u>RR₁</u>	<u>Bl₃</u>
Any new activity sensitive to aircraft noise within the Inner Noise Control Area shown on the Planning Maps	D	D	D	D
Any new or extension to an existing activity sensitive to aircraft noise within the Air Noise Area as shown on the Planning Maps	<u>NA</u>	Pro	Pro	<u>NA</u>

A7.3 SUBDIVISION and LAND USE CONTROLS WITHIN THE AIR NOISE AREA, & INNER CONTROL AREA and OUTER CONTROL AREA

1. Acoustic Standards for Additions and New Activities Located Within the Inner Noise Control Area; and extensions to an existing activity sensitive to aircraft noise within the Air Noise Area
2. Acoustic standards for additions to existing activities sensitive to aircraft noise (except for educational facilities including Kōhanga Reo) and any new activities sensitive to aircraft noise, (except for educational facilities (including Kōhanga Reo) in the Inner Control Area, as well as Papakāinga-, and extensions to an existing activity sensitive to aircraft noise within the Air Noise Area

Change 10: Amalgamation of existing definitions for “Activities sensitive to aircraft noise” and “Noise sensitive activities”

Activities sensitive to aircraft noise	Conference facilities and communal lounges operated as part of a holiday park, community facilities, community housing, comprehensive residential developments, household units, educational facilities, daycare centres, hospitals, kōhanga reo, wharehau, hospitals, medical centres, papakāinga, paramedical care facilities, retirement homes and villages.
Noise Sensitive Activities	Buildings or parts of buildings used for – a) Residential activities, including household units, tourist accommodation, bed and breakfast and rest homes (except where the residential activity is accessory to another non-

	sensitive use), <u>papakāinga</u> ; b) Wharenui, c) Hospitals, <u>including medical centres, paramedical care facilities</u> ; d) Educational facilities, <u>including kohanga reo</u> ; e) Daycare centres <u>f) conference facilities and communal lounges operated as part of a holiday park</u> <u>g) community facilities</u>
<u>ADVICE NOTE: the terms "Noise Sensitive Activities" and "Activities sensitive to aircraft noise" are synonymous, except where stated in relation to acoustic treatment and state highways.</u>	

Change 11: Insertion of Advisory Note in relation to Noise from Telecommunications Equipment

Rules	All zones
General	
1. Any activity stated as a permitted or controlled activity that does not meet the performance standards in A11.6	RD
<u>ADVICE NOTE: Noise levels from telecommunications cabinets located within road reserves shall comply with Clause 9 of the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008.</u>	

Change 12: Deletion of Assessment Matters regarding Helicopter Flight Paths

Part 5 City Centre

5.9.2.1 Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure that no residential zones are flown over at lower than 300 metres above ground level at that point.~~

Part 6 Commercial

6.9.2.1 Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure that no residential zones are flown over at lower than 300 metres above ground level at that point.~~

Part 7 Industrial

7.9.2.2 Helicopter Take-off and Landing Areas

- a. ~~Whether approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure that no residential zones are flown over at lower than 300 metres above ground level at that point.~~

Part 8 Business and Innovation

8.9.2.1 Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure that no residential zones are flown over at lower than 300m above ground level at that point.~~

Part 9 Rural

9.9.2.3 Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure that no residential zones are flown over at lower than 300 metres above ground level at that point.~~

Part 10. Reserves, Community Assets and Water

10.9.2.2 Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes, to ensure no residential zones are flown over at lower than 300 metres above ground level at that point.~~

Change 13: Insertion of performance standard for construction noise

A.11.6.4 Construction Noise

All construction noise shall comply with the relevant noise levels stated in NZS6803: 1999, and shall be measured and assessed in accordance with NZS 6803:1999 'Acoustics – Construction Noise'.

Change 14: Deletion of redundant sub-rule

Part 9 Rural

9.6.7.a.iii

iii. ~~Where audible sound is used over a short or variable time duration, no event may result in a noise level greater than 50dB SEL when assessed at the notional boundary of any rural zoned site, or within the site boundary of any residential zoned site.~~

Change 15: Consequential amendments

PART 4: RESIDENTIAL

Table 4.5: Activities in the Residential 1 – 5 Zones

Special Land Features					
Airport Noise Contour Controls [PC.4 – See Appendix 11 "Noise"]					
47. Any addition to an existing activity sensitive to aircraft noise within the inner noise control area as shown on the Planning Maps	RD	NA	NA	NA	NA
48. Any new activity sensitive to aircraft noise within the inner noise control area as shown on the Planning Maps	D	NA	NA	NA	NA
49. Any new or extension to an Activity Sensitive to Aircraft Noise within the Air Noise Area as shown on the Planning Maps	Pro	NA	NA	NA	NA

4.6 PERFORMANCE STANDARDS

6. Noise [PC.4- See Appendix 11 "Noise"]

See Appendix 11: Noise

The noise limits shall be as follows:

- a. ~~Noise from any activity within any residential zone shall not exceed the following limits when measured at the boundary of the receiving residential site:~~

Daytime	7am to 10pm, any day except public holidays	50dB L_{Aeq}
Night time	At all other times	40dB L_{Aeq} and 70dB L_{Amax}

Note: Construction noise is exempt from these restrictions.

The following activities are exempt from these restrictions:

- i. ~~Construction noise, (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ii. ~~Temporary military training activities; and~~
 - iii. ~~Emergency services activities.~~
- b. ~~Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70KM/Hr, or within 80 metres of a State Highway with a speed limit of 70km/hr or more shall comply with the noise mitigation requirements contained in Appendix 11, State Highway Noise Mitigation Requirements.~~

4.8.2 Assessment Criteria for Specific Activities

Council will consider the relevant assessment criteria below for activities listed as restricted discretionary activities:

~~2. Any Addition to Existing Activities Sensitive to Aircraft Noise within the Inner Noise Control Area~~ [PC.4- See Appendix 11 "Noise"]

Council shall restrict its discretion to the following matters:

- a. ~~The nature, size and scale of the proposed additions.~~
- b. ~~The application of the applicable acoustic performance standards listed under Appendix 7 Airport Noise and Development Controls, to existing parts of the structure housing the activity sensitive to aircraft noise.~~
- c. ~~Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7, Airport Noise and Development Controls, and the means of securing any conditions of consent.~~

- d. ~~Whether, having regard to all the circumstances the nature, size and scale of the addition is likely to lead to potential conflict with and adverse effects upon airport activities.~~
- e. ~~Any assessment criteria applicable to the activity within the residential zones.~~
- f. ~~Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.~~
- g. ~~The potential to detract from the qualities and characteristics specified of a landscape or feature identified in Appendix 2 Natural Heritage Inventory or the natural character of the environment.~~
- h. ~~How the proposal affects the appearance of the outstanding natural feature or landscape.~~ ^[PC.4]

4.9.2 Assessment Criteria for Specific Activities

1. ~~Any New Activities Sensitive to Aircraft Noise, Within the Inner Noise Control Area.~~ ^[PC.4– See Appendix 11 “Noise”]

- a. ~~The nature, size and scale of the proposed additions.~~
- b. ~~The application of the applicable acoustic performance standards listed under Appendix 7, Airport Noise and Development Controls, to existing parts of the structure housing the activity sensitive to aircraft noise.~~
- c. ~~Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7, Airport Noise and Development Controls, and the means of securing any conditions of consent.~~
- d. ~~Whether, having regard to all the circumstances the nature, size and scale of the addition is likely to lead to potential conflict with and adverse effects upon airport activities.~~
- e. ~~Any assessment criteria applicable to the activity within the residential zones.~~
- f. ~~Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.~~

PART 5 CITY CENTRE

5.6 PERFORMANCE STANDARDS

6. Noise [PC.4- See Appendix 11 "Noise"]

See Appendix 11: Noise

- a. ~~Unless otherwise specified under 5.6.6.c noise from any activity, shall not exceed the following limits:~~

Daytime	7am to 10pm, any day except public holidays	65dB L_{Aeq}
Night time	At all other times	60dB L_{Aeq} and 75dB L_{Amax}

- b. ~~Noise from any activity shall not exceed the noise limits specified for the adjoining zone when measured at the notional boundary or within the receiving site.~~
- c. ~~Noise emitted for large scale community events located on council owned or controlled property within city centre 3 shall comply with the following standards and limits:~~
- ~~vi. For four events in any 12 month period a noise limit of 95dB L_{Aeq} (1 hour) within relevant adjacent zones.~~
 - ~~vii. For the four events provided for under i. above the events shall conclude by 12.30am.~~
 - ~~viii. For two events in any 12 month period a noise limit of 70dB L_{Aeq} (1 hour) within relevant adjacent zones providing the event does not exceed 12 hours per day over a two day period.~~
 - ~~ix. All other events shall comply with the noise standards specified under 5.6.16.a.~~
 - ~~x. Octave band noise levels within residential zones shall not exceed 85dB L_{Aeq} (1 min) at 63Hz and 75dB L_{Aeq} (1 min) at 125Hz.~~
- d. ~~The following activities are exempt from the above noise restrictions:~~
- ~~i. Construction noise (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ~~ii. Temporary military training~~
 - ~~iii. Helicopters~~
 - ~~iv. Back-up generators~~
 - ~~v. Emergency services [PC.4]~~

~~13. Acoustic Treatment for Residential and Tourist Accommodation, and Noise Sensitive Activities~~ [PC.4- See Appendix 11 "Noise"]

~~Any residential, tourist accommodation and noise sensitive activities shall be provided with the following acoustic treatment:~~

- ~~a. All new residential and tourist accommodation shall be designed and constructed to ensure noise from activities on adjacent sites during night time hours will not exceed 35 dBA $L_{\pm 6}$ in bedrooms and 40 dBA $L_{\pm 6}$ in other habitable areas (e.g. living and dining rooms).~~
- ~~b. Under this rule habitable areas do not include transit and utility areas such as corridors, kitchens, bathrooms and storage areas.~~
- ~~c. If the internal noise criteria cannot be achieved with windows and doors open, then a forced air ventilation or air conditioning system which complies with the NZ Building Code shall be provided so that the acoustic and ventilation criteria can be achieved simultaneously with windows and doors closed. Noise from any ventilation system shall not cause the internal noise criteria to be exceeded.~~
- ~~d. At time of application for building consent, an acoustic design certificate from a suitably qualified and experienced acoustic engineer will be required demonstrating how the internal noise criteria will be achieved.~~
- ~~e. The acoustic design of tourism or residential accommodation is not required to include mitigation from noise generated by large scale community events as detailed in 5.6.1.6.c and defined in Part 17 Definitions.~~
- ~~f. Noise sensitive activities that are within 40 metres of a State Highway with a speed limit of less than 70km/hr, or within 80 metres of a State Highway with a speed limit of 70km/hr or more shall comply with the noise mitigation requirements contained in Appendix 11, State Highway Noise Mitigation Requirements.~~ [PC.4]

5.6.2 City Centre Zone 2 (Southern City)

6. Noise

 [PC.4- See Appendix 11 "Noise"]

See Appendix 11: Noise

- ~~a. Unless otherwise specified noise from any activity within any city centre zone, shall not exceed the following limits when measured at the boundary of the residential zone:~~

Day time	7am to 10pm, any day except public holidays	65dB L_{Aeq}
Night-time	At all other times	60dB L_{Aeq} and 75dB L_{Amax}

- b. ~~Noise from any activity shall not exceed the noise levels specified for the adjoining zone when measured at the notional boundary or within the receiving site.~~
- c. ~~The following activities are exempt from the above noise restrictions:~~
 - i. ~~Construction noise (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ii. ~~Temporary military training~~
 - iii. ~~Helicopters~~
 - iv. ~~Back-up generators~~
 - v. ~~Emergency services~~ ^[PC.4]

5.9.2 Assessment Criteria for Specific Activities

1. Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes. These shall be located so that no residential zones are flown over at lower than 300 metres above ground level at that point.~~ ^[PC.4- See Appendix 11 "Noise"]

PART 6: COMMERCIAL

Table 6.5: Activities in the Commercial 1 – 6 Zones

Rules	Zones					
	CM1	CM2	CM3	CM4	CM5	CM6
Special Land Features ^[PC.4- See Appendix 11 "Noise"]						
Airport Noise Contour Controls						
52. Any addition to an existing Activity Sensitive to Aircraft Noise within the Inner Noise Control Area as shown on Planning Maps	NA	NA	RD	NA	NA	NA
53. Any new Activity Sensitive to Aircraft Noise within the Inner Noise Control Area as shown on	NA	NA	D	NA	NA	NA

Rules	Zones					
	CM1	CM2	CM3	CM4	CM5	CM6
the Planning Maps						
54. Any new or extension to an Activity Sensitive to Aircraft Noise within the Air Noise Area as shown on the Planning Maps	NA	NA	Pro	NA	NA	NA

6.6 PERFORMANCE STANDARDS

6. Noise [PC.4- See Appendix 11 "Noise"]

See Appendix 11: Noise

a. ~~Commercial 1, 2, 4, 5 and 6~~

~~Unless otherwise specified, noise from any activity, shall not exceed the following limits:~~

Daytime	7am to 10pm, any day except public holidays	65dB L _{Aeq}
Night time	At all other times	60dB L _{Aeq} and 75dB L _{Amax}

~~ADVICE NOTE: Octave band noise levels should not exceed:~~

~~75dB L_{Aeq(1 min)} at 63Hz and 65dB L_{Aeq(1 min)} at 125Hz~~

b. ~~Commercial 3~~

~~Unless otherwise specified, noise from any activity shall not exceed the following noise limits:~~

Daytime	7am to 10pm, any day except public holidays	50dB L _{Aeq}
Night time	At all other times	40dB L _{Aeq} and 70dB L _{Amax}

c. ~~Activities Sensitive to Noise adjacent to Strategic Roads listed in Appendix 3, Road Hierarchy.~~

~~i. Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70km/hr, or within 80 metres of a State Highway with a speed limit of 70km/hr or more shall comply with the noise mitigation requirements contained in Appendix 11, State Highway Noise Mitigation Requirements.~~

- ~~ii. Rule 6.6.3.c.i shall not apply to Maori cultural training facilities at Te Puia, being the site inclusive of land legally described as Section 1 S0408975.~~
- ~~d. Noise from any activity shall not exceed the noise levels specified for the adjoining zone when measured at the boundary or within the receiving site.~~
- ~~e. The following activities are exempt from the above noise restrictions:
 - ~~i. Construction noise (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ~~ii. Temporary military training~~
 - ~~iii. Helicopters~~
 - ~~iv. Back-up generators~~
 - ~~v. Emergency services~~~~

~~14. Acoustic Treatment for Residential, Tourism Accommodation and Noise Sensitive Activities~~ [PC.4- See Appendix 11 "Noise"]

~~Any residential, tourism accommodation and noise sensitive activities shall be provided with the following acoustic treatment:~~

- ~~a. All residential and tourism accommodation created either by new development or the alteration of an existing building within a commercial zone shall be designed and constructed to ensure noise from activities on adjacent sites during night time hours will not exceed 35 dBA L_{10} in rooms used for sleeping (bedrooms) and 40 dBA L_{10} in other habitable areas (e.g. living and dining rooms).~~
- ~~b. Under this rule habitable areas do not include transit and utility areas such as corridors, kitchens, bathrooms and storage areas.~~
- ~~c. If the internal noise criteria cannot be achieved with windows and doors open, then a forced air ventilation or air conditioning system which complies with the NZ Building Code shall be provided so that the acoustic and ventilation criteria can be achieved simultaneously with windows and doors closed. Noise from any ventilation system shall not cause the internal noise criteria to be exceeded.~~
- ~~d. Prior to building consent, an acoustic design certificate from a suitably qualified and experienced acoustic engineer is required demonstrating how the internal noise criteria will be achieved.~~
- ~~e. Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70km/hr, or within 80 metres of a state highway with a speed limit of 70km/hr or more shall comply with the noise mitigation requirements contained in Appendix 11 – State Highway Noise Mitigation Requirements. [PC.4]~~

6.8.2 Assessment Criteria for Specific Activities

~~2. Any Addition to an Existing Activity Sensitive to Aircraft Noise within the Inner Noise Control Area [PC.4- See Appendix 11 "Noise"]~~

~~Council shall restrict its discretion to the following matters:~~

- ~~a. The nature, size and scale of the proposed additions.~~
- ~~b. The application of the relevant acoustic performance standards listed in Appendix 7, Airport Noise and Development Controls to existing parts of the structure housing the activity sensitive to aircraft noise.~~
- ~~c. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7 Airport Noise and Development Controls; and the means of securing any conditions of consent.~~
- ~~d. Having regard to all the circumstances the nature, size and scale of the addition, whether it is likely to lead to potential conflict with and adverse effects upon airport activities.~~
- ~~e. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.~~

6.9.2 Assessment Criteria for Specific Activities

1. Helicopter Take-Off and Landing Areas

- ~~a. Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes to be located so that no residential zones are flown over at lower than 300 metres above ground level at that point. [PC.4- See Appendix 11 "Noise"]~~

~~2. New Activities Sensitive to Aircraft Noise within the Inner Noise Control Area [PC.4- See Appendix 11 "Noise"]~~

- ~~a. The nature, size and scale of the proposed additions.~~
- ~~b. The application of the relevant acoustic performance standards listed in Appendix 7 Airport Noise and Development Controls, to existing parts of the structure housing the activity sensitive to aircraft noise.~~
- ~~c. Whether a covenant should be registered on the title to secure any conditions of consent in accordance with Appendix 7, Airport Noise and Development Controls; and the means of securing any conditions of consent.~~
- ~~d. Having regard to all the circumstances the nature, size and scale of the addition, whether it is likely to lead to potential conflict with and adverse effects upon airport activities.~~
- ~~e. Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.~~

PART 7: INDUSTRIAL

7.6 PERFORMANCE STANDARDS

6. Noise [PC.4 – See Appendix 11 “Noise”]

See Appendix 11: Noise

a. Noise from any activity shall not exceed the following limits:

Daytime	7am to 10pm, any day except public holidays	75dB L _{Aeq}
Night time	At all other times	70dB L _{Aeq} and 80dB L _{Amax}

b. Noise from any activity shall not exceed the noise levels specified for the adjoining zone when measured at the notional boundary or within the receiving site. Activities located within the Reporoa Dairy Manufacturing Site (Planning Map 395) shall not exceed 45 dB L_{Aeq} when measured at the 45dB L_{Aeq} noise control boundary as shown on Planning Maps 395 and 546 except that where the noise control boundary is located within land in common ownership with the Reporoa Dairy Manufacturing Site noise shall be measured at the boundary with land not in common ownership with the Reporoa Dairy Manufacturing Site.

c. Noise within the block bounded by Fairy Springs Road, Victory Road, Russell Road and Salisbury Road, shall not exceed the noise limit specified for the residential zones at the site boundary of a household unit.

d. The following activities are exempt from the above noise restrictions:

- i. Construction noise (NZS6803:1999 will be used for the assessment of construction noise)
- ii. Temporary military training
- iii. Helicopters
- iv. Back up generators
- v. Emergency services

7.9.2 Assessment Criteria for Specific Activities

2. Helicopter Take-off and Landing Areas

a. Whether approach paths to and from all helicopter facilities, other than for temporary or emergency purposes are to be located so that no residential zones are flown over at lower than 300 metres above ground level at that point. [PC.4 – See Appendix 11 “Noise”]

PART 8: BUSINESS & INNOVATION

8.6 PERFORMANCE STANDARDS

8.6.1 Scion Innovation Park Performance Standards

6. Noise [PC.4 – See Appendix 11 “Noise”]

See Appendix 11: Noise

a. Noise from any activity shall not exceed the following limits:

Daytime	7am to 10pm, any day except public holidays	50dB L_{Aeq}
Night-time	At all other times	40dB L_{Aeq} and 75dB L_{Amax}

b. Noise from any activity shall not exceed the noise levels specified for the adjoining zone when measured at the notional boundary or within the receiving site.

c. The following activities are exempt from the above noise restrictions:

- i. Construction noise (NZS6803:1999 will be used for the assessment of construction noise)
- ii. Helicopters
- iii. Temporary military training
- iv. Back-up generators
- v. Emergency Services

8.6.2 Waipa Business Park Performance Standards

6. Noise [PC.4 – See Appendix 11 “Noise”]

See Appendix 11: Noise

The noise limits shall be as follows:

a. Noise from any activity shall not exceed the following limits when measured at the boundary of any residential zone:

Daytime	7am to 10pm, any day except public holidays	75dB L_{Aeq}
Night-time	At all other times	70dB L_{Aeq} and 80dB L_{Amax}

- b. ~~Noise from any activity shall not exceed the noise levels specified for the adjoining zone when measured at the notional boundary or within the receiving site.~~
- c. ~~The following activities are exempt from the above noise restrictions;~~
 - i. ~~Construction noise. (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ii. ~~Temporary Military training.~~
 - iii. ~~Helicopters.~~
 - iv. ~~Back up generators~~
 - v. ~~Emergency Services~~

8.6.3 Eastgate Business Park Performance Standards

6. Noise [PC.4 – See Appendix 11 “Noise”]

See Appendix 11: Noise

The noise limits shall be as follows:

- a. ~~Noise from any activity shall not exceed the following limits when measured at the notional boundary of the receiving site:~~

Daytime	7am to 10pm, any day except public holidays	75dB L_{Aeq}
Night-time	At all other times	70dB L_{Aeq} and 80dB L_{Amax}

- b. ~~The following activities are exempt from the above noise restrictions:~~
 - i. ~~Construction noise (NZS6803:1999 will be used for the assessment of construction noise)~~
 - ii. ~~Temporary Military training~~
 - iii. ~~Helicopters~~
 - iv. ~~Emergency Services~~
 - v. ~~Back up generators~~ [PC.4– See Appendix 11 “Noise”]

8.9.2 Assessment Criteria for Specific Activities

1. Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes to be located so that no residential zones are flown over at lower than 300m above ground level at that point.~~ [PC.4 – See Appendix 11 “Noise”]

PART 9: RURAL

Table 9.5: Activities in the Rural Zones

Rules	Zones		
	RR1	RR2	RR3
Airport Noise Contour Controls [PC.4 – See Appendix 11 “Noise”]			
58. Any addition to an existing activity sensitive to aircraft noise within the inner noise control area shown on the Planning Maps	RD	NA	NA
59. Any new activity sensitive to aircraft noise within the inner noise control area shown on the Planning Maps	D	NA	NA
60. Any new or extension to activity sensitive to aircraft noise within the Air Noise Area as shown on the Planning Maps	Pro	NA	NA
132. Any noise sensitive activity within the 45 dB L_{Aeq} Noise Control boundary surrounding the Reporoa Dairy Manufacturing site [PC.4 – See Appendix 11 “Noise”]	D	NA	NA

9.6 PERFORMANCE STANDARDS

6. Noise [PC.4– See Appendix 11 “Noise”]

See Appendix 11: Noise

Noise levels from any activity within any rural zone shall not exceed the following limits when measured at the notional boundary of the receiving site:

Daytime	7am to 10pm, any day	50dB L _{Aeq}
Night time	and at all other times	40dB L _{Aeq} and 75dB L _{Amax}

Noise sensitive activities that are within 40 metres of a state highway with a speed limit of less than 70km/hr, or within 80 metres of a state highway with a speed limit of 70km/hr or more shall comply with the noise mitigation requirements contained in Appendix 11 – State Highway Noise Mitigation Requirements.

The following activities are exempt from the above noise restrictions;

- ~~a. Construction noise, (NZS6803:1999 will be used for assessment of construction noise.)~~
- ~~b. Temporary military training,~~
- ~~c. Helicopters,~~
- ~~d. Aircraft operating for a purpose accessory to a permitted agricultural activity.~~
- ~~e. Emergency services.~~
- ~~f. Vehicles and mobile machinery associated with agricultural and forestry production that are of limited duration and not in a fixed location (note that the requirements of 516 and 517 of the Resource Management Act or any relevant provision superseding them will need to be satisfied).~~
- ~~g. Noise levels from well drilling shall not exceed the following limits when measured at the notional boundary of a dwelling within the rural zone:~~

Daytime	7am to 10pm, any day	70dB L _{Aeq}
Night time	At all other times	60dB L _{Aeq} and 85dB L _{Amax}

- ~~h. Any new building with habitable rooms within the Electricity Generation Core Site Noise Control Boundary identified on Planning Maps 213 and 540 shall be designed to achieve an internal noise level of 35dB L_{Aeq}. If windows are required to be closed to achieve the required internal noise level the building shall be designed and constructed to provide an alternative means of ventilation in accordance with clause G4 of the New Zealand Building Code.~~
[PC.4]

~~7. Noise: Bird Scaring Devices and Frost Fans~~ [PC.4 – See Appendix 11 “Noise”]

- ~~a. Any audible bird scaring devices shall be operated as follows:~~
 - ~~i. Noise from audible explosive bird scaring devices shall only be operated between sunrise and sunset, and shall not exceed 100dB L_{Zpeak} when measured within the notional boundary of any rural zoned site, or within the site boundary of any residential zoned site.~~
 - ~~ii. Discrete sound events of a bird scaring device including shots or audible sound shall not exceed 3 events within a 1 minute period and shall be limited to a total of 12 individual events per hour.~~
 - ~~iii. Where audible sound is used over a short or variable time duration, no event may result in a noise level greater than 50dB SEL when assessed at the notional boundary of any rural zoned site, or within the site boundary of any residential zoned site.~~

~~iv. A legible notice is fixed to the road frontage of the property on which the device is being used, giving the name, address and telephone number of the person responsible for the operation of any such device(s).~~

~~b. Any frost fans shall be operated as follows:~~

~~i. Noise generated by frost fans shall not exceed 55dB L_{Aeq} (15min) when assessed within the notional boundary of any rural zoned site, or within the site boundary of any residential zoned site.~~

~~ii. A legible notice is fixed to the road frontage of the property on which it is being used, giving the name, address and telephone number of the person responsible for its operation.~~

~~3. Noise [PC.4 – See Appendix 11 “Noise”]~~

~~a. Potential adverse effects generated from noise associated with the congregation of people and vehicles.~~

~~b. The hours of operation of any activity which generates noise.~~

~~c. The location of noise generating activities in relation to adjoining, existing residential activities.~~

~~d. Potential for there to be reverse sensitivity arising from the location of new residential activities adjoining, existing non-residential activities.~~

~~e. Methods employed to mitigate the adverse effects of noise and vibration.~~

9.8.2 Assessment Criteria for Specific Activities

~~2. Any Addition to an Existing Activity Sensitive to Aircraft Noise within the Inner Noise Control Area [PC.4 – See Appendix 11 “Noise”]~~

~~Council shall restrict its discretion to the following matters:~~

~~a. The nature, size and scale of the proposed additions.~~

~~b. The application of the applicable acoustic performance standards listed in Appendix 7 – Airport Noise and Development Controls to existing parts of the structure housing the activity sensitive to aircraft noise.~~

~~c. Whether, having regard to all the circumstances (including location in relation to the Airport, likely exposure of the site to aircraft noise, noise attenuation and ventilation measures proposed, and the number of people to be accommodated) the nature, size and scale of the addition is likely to lead to potential conflict with and adverse effects upon airport activities.~~

- d. ~~Whether it is reasonable to require acoustic treatment measures (including measures for internal air quality purposes) in existing rooms, or whether such measures should be limited to the additions.~~
- e. ~~Any assessment criteria applicable to the activity under any other part of the district plan.~~
- f. ~~Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site. [PC.4]~~

9.9.2 Additional Assessment Criteria for Specific Activities

1. ~~Any New Activity Sensitive to Aircraft Noise, within the Inner Noise Control Area [PC.4 – See Appendix 11 “Noise”]~~

- a. ~~Whether, having regard to all the circumstances (including location in relation to the Airport, likely exposure of the site to aircraft noise, noise attenuation and ventilation measures proposed, and the number of people to be accommodated) the nature, size and scale of the activity is likely to lead to potential conflict with and adverse effects upon airport activities.~~
- b. ~~Any particular issues of safety relating to occupants of the site, or aircraft, in relation to any proposed activities or buildings on the site.~~
- c. ~~The desirability of reasonably limiting the intensity of development and activities within the Inner Control area, including in relation to proposed subdivisions and higher density residential development.~~
- d. ~~Whether it is reasonable to require acoustic treatment measures (including measures for internal air quality purposes) in existing rooms, or whether such measures should be limited to the additions.~~

3. Helicopter Take-Off and Landing Areas

- a. ~~Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes. These shall be located so that no residential zones are flown over at lower than 300 metres above ground level at that point. [PC.4 – See Appendix 11 “Noise”]~~

PART 10 RESERVES COMMUNITY ASSETS & WATER

6. Noise [PC.4 – See Appendix 11 “Noise”]

See Appendix 11: Noise

The noise limits shall be as follows:

- a. ~~Noise emitted in relation for temporary community and district events shall not exceed the following standards and limits when measured at the boundary of the receiving site:~~

Four events up to 3 hours duration per every 12 month period	80 dB L _{Aeq} (1 hour)
Three events every 12 month period, up to 12 hours per day for two consecutive days	70 dB L _{Aeq} (1 hour)
Octave band levels	85dB L _{Aeq} (1 minute) at 63 Hz 75dB L _{Aeq} (1 minute) at 125 Hz

- b. The following activities are exempt from the above noise restrictions:
 - i. NZS6803:1999 will be used for the assessment of construction noise
 - ii. Temporary military training
 - iii. Emergency Services
 - iv. Back-up generators
- c. Other than that specified above noise from any activity shall not exceed the following limits when measured at the boundary of the zone:

Daytime	7am to 10pm, any day except public holidays	50dB L _{Aeq}
Night-time	And at all other times	45dB L _{Aeq} and 75dB L _{Amax}

10.9.2 Assessment Criteria for Specific Activities

2. Helicopter Take-Off and Landing Areas

- a. Approach paths to and from all helicopter facilities, other than for temporary or emergency purposes. These shall be located so that no residential zones are flown over at lower than 300 metres above ground level at that point [PC.4 – See Appendix 11 “Noise”]

EXISTING APPENDIX 11

~~APPENDIX 11~~

~~STATE HIGHWAY NOISE MITIGATION~~

~~REQUIREMENTS~~

~~A11.1 STATE HIGHWAY NOISE MITIGATION REQUIREMENTS~~

~~Where required by a Rule in the Plan, noise sensitive activities within the specified distance of a state highway (measured from the nearest painted edge of the carriageway) shall comply with the following performance standards.~~

~~Note: The requirements of Clause G₄ of the New Zealand Building Code will apply at the same time as to the requirements contained in this Appendix.~~

- ~~A11.1.1~~ 1. Any new residential unit or extension/alteration to an existing residential unit that exceeds 25% of the existing gross floor area, shall meet an internal road traffic design sound level of 40 dB L_{Aeq}(24h) inside all habitable rooms,
2. any new noise sensitive activity other than residential activity shall meet an internal road traffic design sound level of 40dB L_{Aeq}(24h) inside all habitable rooms and teaching areas.

~~An acoustics design report from a suitably qualified acoustics specialist shall be provided to the Council demonstrating compliance with performance standard A11.1.1 prior to the commencement of construction.~~

- ~~A11.1.2~~ As an alternative to complying with Rule A11.1.1, any new noise sensitive activity, including extension/alteration to a residential unit which exceeds 25% of the existing gross floor area, shall comply with the following:

- ~~1. The windows of all habitable rooms and teaching areas shall be constructed with glazing that includes a laminated pane that is at least 6.38mm thick and covers the glazed area.~~
- ~~2. A ventilation system shall be installed in accordance with performance standard A11.2.4 below.~~

~~ADVICE NOTE: An acoustic design report will not be required for compliance with performance standard A11.1.2~~

- ~~A11.1.3~~ Performance standards A11.1.1 and A11.1.2 above do not apply if:

- ~~1. It can be demonstrated by way of prediction or measurement by a suitably qualified and experienced acoustics specialist that the road traffic noise level from any existing state highway is less than 55 dB L_{Aeq}(24h) on all façades of a new noise sensitive activity, or extension/alteration to an existing noise sensitive activity, or~~
- ~~2. The nearest façade of the dwelling is at least 50 metres from any state highway and there is a solid building, fence, wall or landform that blocks the line of sight from all parts of all windows and doors to habitable rooms to any part of the road surface of any state highway, or~~
- ~~3. The NZ Transport Agency provides written consent that the performance standards do not need to be applied to a proposed activity.~~

~~Explanatory note: A11.1.3.3 is intended to provide for circumstances where the expectation of human occupancy of buildings would, by reason of the period of occupancy or vulnerability, not be sensitive to state highway noise. It may also account for other circumstances which may not justify the compliance costs including the viability of the proposed activity or where it is apparent that the occupants of a building are unlikely to be subject to noise issues, such as low traffic volumes or building design.~~

~~A11.1.4 — A ventilation system installed under performance standard A11.1.2.2 above shall comply with one of the following:~~

- ~~1. Consist of an air conditioning unit(s) provided that the noise level generated by the unit(s) shall not exceed 40dB L_{Aeq}(30s) in the largest habitable room (excluding bedrooms) and 35dB L_{Aeq}(30s) in all other habitable rooms, when measured 1 metre away from any grille or diffuser, or~~
- ~~2. Comprise a system capable of providing at least 6 air changes per hour in the largest habitable room (excluding bedrooms) and teaching spaces and at least 5 air changes per hour in all other habitable rooms, and~~
 - ~~a. — The noise level generated by the system shall not exceed 40 dB L_{Aeq}(30s) in the largest habitable room (excluding bedrooms) and 35dB L_{Aeq}(30s) in all other habitable rooms, when measured 1 metre away from any grille or diffuser, and~~
 - ~~b. — The internal air pressure shall be no more than 10 Pa above ambient air pressure due to the mechanical ventilation, and~~
 - ~~c. — The system must provide cooling that is controllable by the occupant and can maintain the temperature at no greater than 25 degrees Celsius.~~

[PC.4 draft]

APPENDIX 7

A7.3 SUBDIVISION and LAND USE CONTROLS WITHIN THE AIR NOISE AREA, INNER CONTROL AREA and OUTER CONTROL AREA ^[PC.4]

- ~~1. Acoustic Standards for Additions and New Activities Located Within the Inner Noise Control Area, and extensions to an existing activity sensitive to aircraft noise within the Air Noise Area. ^[PC.4]~~
- ~~2. Acoustic standards for additions to existing activities sensitive to aircraft noise (except for educational facilities including Kōhanga Reo) and any new activities sensitive to aircraft noise, (except for educational facilities (including Kōhanga Reo) in the Inner Control Area, as well as Papakāinga-, and extensions to an existing activity sensitive to aircraft noise within the Air Noise Area. ^[PC.4]~~

