

Plan Change amendments

Amendments to issue, objective and standard and addition of new policy and Table as set out below:

NOISE - Noise

The following provisions and exemptions shall apply in addition to the noise provisions specified elsewhere in the plan. Nothing in this section of the plan, or in any other section, shall affect the obligation of every person undertaking an activity to comply with section 16 of the Resource Management Act 1991 (duty to avoid unreasonable noise)".

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Issues

NOISE-I1	Effects of noise across the district
Refer: <u>UFD-I2</u> , GRZ-I1, GRUZ-I1, SETZ-I1, COMZ-I1, MFZ-I1, DEV1-I1, DEV2-I1.	

Objectives

NOISE-O1	Manage noise effects across the district
Refer: <u>UFD-O2</u> , <u>TRAN-O1</u> , GRZ-O1, GRUZ-O1, SETZ-O1, COMZ-O1, MFZ-O1, DEV1-O1, DEV2-O1.	

Policies

NOISE-P1	Manage noise effects on residential <i>amenity</i>
To ensure noise and lighting spill do not adversely affect the <i>amenity</i> enjoyed on residential <i>sites</i> .	
NOISE-P2	Manage noise effects on sensitive fauna

To ensure the level of noise and lighting is compatible with a comprehensive living environment and avoids adverse effect of celestial darkness and the behaviours of seabirds, in particular, Hutton's Shearwaters.	
NOISE-P3	Cross-references to noise policies in other chapters
Refer: GRUZ-P1, SETZ-P1, COMZ-P4, MFZ-P2, DEV1-P1.	
<u>NOISE-P4</u>	<u>Noise sensitive activities in the Ocean Ridge Development Area</u>
<u>Require new or modified buildings for noise sensitive activities within the Ocean Ridge Development Area in proximity to State Highway 1 or the Main North Line railway to be designed, constructed and maintained to reduce noise received from those existing sources.</u>	

Standards

Except where expressly provided elsewhere in this plan, sound shall be measured in accordance with the provisions of NZS 6801: 1999 “Acoustics - Measurement of Sound” and assessed in accordance with the provisions of NZS 6802: 1999 “Acoustics - Assessment of Environmental Noise”, or any subsequent amendments or replacement to those two standards.

Exemptions

Noise limits in any part of the plan shall not apply:

1. In any area to activities of a limited duration associated with normal farming, intensive farming, aquaculture and fishing activities. For the purposes of this exemption, “limited duration” means any activity which is undertaken for: a short period of time in any one day; seasonally; or infrequently. In the case of bird scaring devices or devices to prevent hail damage, landowners shall give notice to occupiers of any land within a 1km radius of the device at least 4 hours prior to the device being fired.
2. In any zone where the noise source is a warning device used by emergency services.
3. In the General Residential Zone, Ocean Ridge Development Area, or Settlement Zone, to activities of a normal residential nature including recreational activities, such as sporting events, that do not involve powered motor sport, powered aviation, gunfire or amplified music.
4. General Residential Zone *noise limits* shall not apply where any residential activity exists on the same *site* as a noise source.

5. In any zone where a temporary activity which is open to the public is being undertaken and where the activity does not extend beyond 8am and 11pm on any one day.
6. Where the activity is a temporary military training activity or a temporary pyrotechnic event and complies with the provisions of NOISE-S10.

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NOISE-S5	Noise standards in the Ocean Ridge Development Area
1. All activities shall be conducted so that the following <i>noise limits</i> are not exceeded at any point within the Ocean Ridge Development Area Comprehensive Living Zone, during any measurement sample within the timeframes stated: a. 0700 – 2200 Monday to Saturday: 55 <i>dBA Leq</i> (15 minutes) b. At all other times: 40 <i>dBA Leq</i> (15 minutes) c. On any day between 2200 – 0700 the following day: 70 <i>dBA Lmax</i> Except where provided elsewhere in these conditions, <i>noise limits</i> shall be measured in accordance with NZS 6801:1999 Acoustics - Measurement of Environmental sound and shall be assessed in accordance with NZS 6802:1999 Acoustics-Assessment of environmental noise. 2. Except that this rule does not apply to: a. take-off or landing of aircraft for emergency landing, rescue, firefighting or civil defence; b. any activity on a formed road; c. any activity on a designated railway; d. any overflying aircraft. 3. <u>Where any of the following buildings is located within either 100m of the edge of the sealed carriageway or nearest</u>	Matters of discretion: <u>7. For NOISE-S5.1 and NOISE-S5.2, the effects of not meeting the standard.</u> Refer to Appendix 6: Assessment Matters for guidance on what matters may be relevant to consider for the proposed activity. <u>8. For NOISE-S5.3 through NOISE-S5.6:</u> a. <u>any potential reverse sensitivity effects on State Highway 1 or the Main North Line railway;</u> b. <u>any health and safety effects on receptors of noise from state highway or rail corridors;</u> c. <u>the extent to which a reduced level of acoustic insulation or ventilation system performance may be acceptable due to mitigation of noise effects through other means;</u> d. <u>the ability to provide effective acoustic insulation or ventilation through alternative technologies or materials;</u> e. <u>any advice received from the operators of State Highway 1 and/or Main North Line railway as relevant.</u>

<u>marked traffic lane of State Highway 1 or within 40m of any boundary adjoining the Main North Line railway, standards NOISE-S5.4 through NOISE-S5.6 shall apply:</u> <u>a. any new building used for a noise sensitive activity;</u> <u>b. any addition to an existing building used for a noise sensitive activity; or</u> <u>c. any existing building where its use is to be changed to a noise sensitive activity.</u> <u>4. Any habitable room in a building listed under NOISE-S5.3.a to NOISE-S5.3.c must be designed constructed and maintained:</u> <u>a. in accordance with the construction schedule in NOISE-Table 2; or</u> <u>b. to achieve indoor design levels not exceeding 40dB LAeq(24h) for road traffic noise from State Highway 1; and</u> <u>c. for rail noise, to achieve the following maximum values for indoor design levels:</u> <u>i. 35dB LAeq(1h) within any bedroom when received between the hours of 10:00pm and 7:00am; or</u> <u>ii. 40dB LAeq(1h) within any other habitable room.</u> <u>5. Where windows of a habitable room must be closed to meet the requirements under NOISE-S5.4, the building must be designed, constructed and maintained with a mechanical ventilation system that achieves the following for habitable rooms:</u>	
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a. <u>the ventilation system is sufficient to satisfy clause G4 of the New Zealand Building Code (Schedule 1 of the Building Regulations 1992);</u> b. <u>the ventilation system provides a minimum of 7.5L/s per person; and</u> c. <u>noise generated by the ventilation system does not exceed 35 dB LAeq(30s) when measured 1m away from any grille or diffuser.</u> 6. <u>A design certificate from a suitably qualified and experienced professional(s) must be provided to Council prior to the construction or use of any building listed under NOISE-S5.3.a to NOISE-S5.3.c confirming that NOISE-S5.4 and, where applicable, NOISE-S5.5 will be complied with.</u>	
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NOISE Table 1

Time on any day	L10 dBA	L95 dBA	Lmax dBA
0630 – 0730	60	45	70
0730 – 1800	75	60	90
1800 – 2000	70	55	85
2000 - 0630 the following day	55	40	70

NOISE – TABLE 2

Building element	Minimum construction requirement		
External walls	1. <u>Wall cavity infill of fibrous insulation, batts or similar, with a minimum density of 9kg/m³; and</u> 2. <u>cladding and internal wall lining complying with either Option A, B or C below:</u>		
	Option A	<u>Light cladding: timber weatherboard or sheet materials with surface mass between 16kg/m² and 30kg/m² of wall cladding</u>	<u>Internal lining of minimum 17kg/m² plasterboard, such as two layers of 10mm thick high density plasterboard, on resilient/isolating mountings</u>
	Option B	<u>Medium cladding: surface mass between 30 kg/m² and 65kg/m² of wall cladding</u>	<u>Internal lining of minimum 17kg/m² plasterboard, such as two layers of 10mm thick high density plasterboard</u>
	Option C	<u>Heavy cladding: surface mass greater than 65kg/m² of wall cladding</u>	<u>Internal lining of minimum 6kg/m² plasterboard, such as one layer of 10mm thick plasterboard</u>
Roof / ceiling	1. <u>Ceiling cavity infill of fibrous insulation, batts or similar, with a minimum density of 7kg/m³; and</u> 2. <u>ceiling penetrations, such as for recessed lighting or ventilation, must not allow additional noise break-in; and</u> 3. <u>roof type and internal ceiling lining complying with either Option A, B or C below:</u>		
	Option A	<u>Skillion roof with light cladding: surface mass up to 13kg/m² of roof cladding</u>	<u>Internal lining of minimum 17kg/m² plasterboard, such as two layers of 10mm thick high density plasterboard on resilient/isolating mountings</u>
	Option B	<u>Pitched roof with light cladding: surface mass up to 20kg/m² of roof cladding</u>	<u>Internal lining of minimum 17kg/m² plasterboard, such as two layers of 10mm thick high density plasterboard</u>
	Option C	<u>Heavy roof cladding: surface mass greater than 20kg/m² of roof cladding</u>	<u>Internal lining of minimum 17kg/m² plasterboard, such as one layer of 10mm thick high density plasterboard</u>

<u>Glazed areas</u>	1. <u>Timber or aluminium frames with full compression seals on opening panes (excludes glazed sliding doors or windows);</u> 2. <u>glazed areas shall be less than 35% of each room floor area; and</u> 3. <u>double-glazing with:</u> a. <u>a laminated pane of glass at least 6mm thick; and</u> b. <u>a cavity between the two panes of glass at least 12mm deep; and</u> c. <u>a second pane of glass at least 6mm thick; or</u> d. <u>any other glazing with a minimum performance of $R_w + C_{tr}$ 34dB</u>
<u>Exterior doors to any habitable room</u>	<u>Solid core exterior door, minimum surface mass 20kg/m², with compression seals; or other door sets with minimum performance of R_w 30dB</u>