

Suggested Amendments for Lighting

In summary:

- The amendments are based on the MacKenzie District Plan where lighting of the night sky is a significant resource management issue. The likely effectiveness of the proposed rules is therefore able to be evaluated.
- The amendments are for outdoor lighting in the Village Base Area (noting that any lighting of the ski field for night skiing already requires a resource consent application in accordance with the plan change as notified).
- Lighting which complies with the standard is a permitted activity.
- Lighting which does not comply with the standard is a restricted discretionary activity.

Add a new standard as follows:

25.5 Standards for Activities – Outdoor Lighting in the Village Base Area

25.5.1 All outdoor lighting in the Village Base Area (1 to 5 inclusive) shall comply with the following standards:

25.5.2 All outdoor lighting shall be shielded from above in such a manner that the edge of the shield shall be below the whole of the light source.

25.5.3 All outdoor lighting shall have a filter to filter out the blue or ultraviolet light, provided the light source would have more than 15% of the total emergent energy flux in the spectral region below 440nm. The filters used must transmit less than 10% of the light at any wavelength less than 440nm. This includes, but is not limited to, fluorescent, mercury vapour and metal halide lamps.

25.5.4 No street or road lighting shall be produced by high-pressure sodium, metal halide, mercury vapour lighting or fluorescent lighting.

25.5.5 There shall be searchlights or floodlights, including floodlights used for illumination of buildings for aesthetic purposes.

25.5.6 All fixed lighting shall be directed inwards away from the Ski Area sub-zone boundary.

Amend Restricted Discretionary Activities as shown in track changes:

Night-Lighting for Recreational Activities and Outdoor Lighting in the Village Base Area

25.10 The lighting of the Ski Area for the purpose of facilitating night recreational activities shall be a restricted discretionary activity.

Any outdoor lighting in the Village Base Area (1 to 5 inclusive) which does not comply with Rule 25.5 shall be a restricted discretionary activity.

25.10.1 Under Rule 25.10 the Council shall restrict its discretion to consideration of
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Amend 25.12 Subdivision by adding to Rule 25.12.2 as shown in track changes:

25.12.2 Under Rule 25.12.2 the Council shall reserve its control over the following matters:

25.12.2.12 Street or road lighting and the avoidance of lighting produced by high-pressure sodium, metal halide, mercury vapour or fluorescent lighting.

Amend 25.13 Reasons for Rules the following:

Night and Outdoor Lighting

The night sky in the High Country is valued for its clarity and absence of light pollution, and the opportunity this provides to view the stars and the Milky Way. Light pollution is caused by excess light shining upwards and outwards. To mitigate the effects of the Village lighting on the night sky the rules require all outside lights to be covered to prevent upward spill of light and to direct lighting into the village and away from the surrounding Rural Zone. In addition, the rules require the blue and violet light to be filtered and low-pressure sodium street lighting used.

Rule 25.10 makes the lighting.....