

Proposed Kaipara District Plan:

Part 2 – District-wide matters / General District-Wide Matters / Light

Summary of Submissions - LIGHT

Submission Point No.	Submitter	Plan Section	Position	Decision Requested	Reasons
117.2	G Moore	Definitions	Amend	AMEND the definition of "Artificial Outdoor Lighting" to clarify whether it also includes reflective surfaces such as solar panels.	The definition does not cover reflective surfaces which can cause significant changes to natural environments, in particular renewable energy sources, mainly solar panels. Not covering this allows broader scope for investment and renewable infrastructure on a larger scale, this will also leave the interpretation of visual pollution very open.
117.11	G Moore	Light	Amend	AMEND LIGHT-R1 to include reflection/glare of solar panels to the light guidelines.	No reason provided; however the submission is concerned about glare and mentions that reflective surfaces can cause significant changes to natural environments.
136.145	Federated Farmers of New Zealand (Inc) - Northland Province	Light	Support	AMEND LIGHT-P1.2 as follows: 2. Enabling lighting that supports security, <u>health</u> and safety. AND Any consequential amendments.	The submitter supports LIGHT-P1 in part. However, a minor wording amendment is sought to clause 2, regarding 'security and safety' to better align with LIGHT-O2, which recognises lighting for 'health and safety' purposes.
136.146	Federated Farmers of New Zealand (Inc) - Northland Province	Light	Support	RETAIN LIGHT-P2 as notified. OR With wording with similar effect. AND Any consequential amendments.	The submitters supports LIGHT-P2 as notified.

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136.147	Federated Farmers of New Zealand (Inc) - Northland Province	Light	Support	AMEND LIGHT-R1.3.c. as follows: 3. Matters over which discretion is restricted: ... c. Adverse effects on the health, safety, <u>security</u> and wellbeing of people and communities; ... AND Any consequential amendments.	The submitter supports LIGHT-R1 in part. It is noted that LIGHT-P1, clause 2 specifically notes the security aspect of lighting. While security is an aspect of health and safety, the Council should amend clause 3.c to be consistent with LIGHT-P1.
149.96	Royal Forest and Bird Protection Society of New Zealand Incorporated	Light	Amend	ADD the following text to the Overview in the Light chapter: <u>Artificial lighting, including spill and glare, can negatively affect indigenous biodiversity by disrupting natural patterns and behaviours. For example, excessive night lighting can interfere with the movement and feeding of nocturnal insects, which in turn affects species that rely on them for food.</u> AND Any consequential amendments and alternative relief to address the concerns raised.	As drafted, the Light Overview does not reflect the potential adverse effects of light on natural environment values.
149.97	Royal Forest and Bird Protection Society of New Zealand Incorporated	Light	Amend	ADD a new Light Objective as follows: <u>The design and location of artificial lighting protects indigenous biodiversity from the effects of light spill and glare.</u> AND Any consequential amendments and alternative relief to address the concerns raised.	As drafted, Light Objectives do not reflect the potential adverse effects of light on natural environment values.
149.98	Royal Forest and Bird Protection Society of New Zealand Incorporated	Light	Amend	ADD an additional clause to LIGHT-P2 as follows: <u>Avoid areas of significant indigenous biodiversity other than necessary for health and safety purposes.</u> AND Any consequential amendments and alternative relief to address the concerns raised.	As drafted, LIGHT-P2 does not reflect the potential adverse effects of light on natural environment values.

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149.99	Royal Forest and Bird Protection Society of New Zealand Incorporated	Light	Amend	ADD an additional standard to LIGHT-R1.a. for artificial outdoor lighting within the Coastal Environment, Outstanding Natural Features and Landscapes, and areas containing indigenous biodiversity to avoid adverse effects of lighting on indigenous biodiversity. AND ADD the following matters of discretion to the new LIGHT-R1 standard: • The effect of the light on indigenous biodiversity values • The extent of light and any practicable locations or methods to avoid or reduce the extent of effects on indigenous biodiversity values • The proposed measures to avoid, remedy, mitigate, offset or compensate adverse effects on indigenous biodiversity values AND Any consequential amendments and alternative relief to address the concerns raised.	As drafted, LIGHT-R1 does not reflect the potential adverse effects of light on natural environment values.
269.35	Health New Zealand – Te Whatu Ora	Light	Oppose	No specific decision sought. However the submitter reserves its position in relation to the remaining lighting provisions – to the extent that they do not undermine the operation of the Hospital zone provisions and/or they seek to unreasonably control or constrain Hospital and Hospital Related Activity in the Hospital zone.	The submitter reserves its position in relation to the remaining lighting provisions – to the extent that they do not undermine the operation of the Hospital zone provisions and/or they seek to unreasonably control or constrain Hospital and Hospital Related Activity in the Hospital zone.
304.115	Director General of Conservation	Light	Amend	ADD a new Light objective as follows: <u>An environment free from adverse effects of intrusive lighting.</u> AND Any further or alternative relief to like effect to that sought.	• The submitter considers that intrusive lighting can result in adverse effects on the environment, including ecosystems and constituent parts, people and communities, all natural and physical resources, and amenity values. • The Light Chapter does not provide for protection from intrusive lighting effects as outlined in LIGHT-P1. As such, the provision sought will provide LIGHT-P1 with a clear objective.

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304.116	Director General of Conservation	Light	Oppose	AMEND LIGHT-R1 matters of discretion to include the assessment of ecological effects. AND Any further or alternative relief to like effect to that sought.	- The Light Chapter does not control adverse lighting effects on the environment, including ecosystems and wildlife. - The submitter notes that projects such as solar farms introduce another source of light and glare from the reflection of solar panels.
323.68	KiwiRail Holdings Limited	Light	Support	RETAIN LIGHT-O3 as notified. AND Any consequential changes to link and/or accommodate the requested change in the stated, or alternate location.	The submitter supports LIGHT-O3 and requests it is retained as notified.
323.69	KiwiRail Holdings Limited	Light	Support	RETAIN LIGHT-P1 as notified. AND Any consequential changes to link and/or accommodate the requested change in the stated, or alternate location.	The submitter supports LIGHT-P1 and requests it is retained as notified.
323.70	KiwiRail Holdings Limited	Light	Support	RETAIN LIGHT-P2 as notified. AND Any consequential changes to link and/or accommodate the requested change in the stated, or alternate location.	The submitter supports LIGHT-P2 and requests it is retained as notified.
323.71	KiwiRail Holdings Limited	Light	Support	RETAIN LIGHT-R1 as proposed. AND Any consequential changes to link and/or accommodate the requested change in the stated, or alternate location.	The submitter supports LIGHT-R1 and requests it is retained as notified. In particular, the submitter supports the inclusion of adverse effects on the land transport network as a matter of discretion.
330.77	New Zealand Transport Agency	Light	Support	RETAIN Overview as notified.	Overview is supported.
330.78	New Zealand Transport Agency	Light	Support	RETAIN LIGHT-O1 as notified.	Objective is supported.
330.79	New Zealand Transport Agency	Light	Support	RETAIN LIGHT-O3 as notified.	Objective is supported.

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330.80	New Zealand Transport Agency	Light	Support	RETAIN LIGHT-P1 as notified.	Policy is supported.
330.81	New Zealand Transport Agency	Light	Support	RETAIN LIGHT-P2 as notified.	Policy is supported.
330.82	New Zealand Transport Agency	Light	Support	RETAIN LIGHT-R1 as notified.	Rule is supported.
333.1	NZ Fairy Tern Trust	Light	Amend	ADD a new clause to LIGHT-P2 as follows: <u>To minimise the adverse effects, including cumulative effects, to protect night flying avian fauna from lighting and glare effects, with reference to intensity, location and direction of artificial outdoor lighting.</u>	The submitter has requested the above relief to provide protection for night flying avian fauna from adverse effects (such as disorientation and endangerment).