

## Todd Elder

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**From:** John McKensey (LDP) <john.mckensey@ldp.nz>  
**Sent:** Saturday, 25 February 2023 6:19 pm  
**To:** Jo Hart  
**Cc:** Todd Elder  
**Subject:** RE: SGA NW - Response to Lighting Specialist S92 [22-0042-001A]

Hi Jo,

We have reviewed the applicant's response.

In relation to the 5 points raised in the S92 request for lighting;

- Point 2 (Air traffic safety): Response satisfactory
- Points 1, 3, 4 & 5: While the ecological assessments refer to potential light spill mitigation, there is no apparent acknowledgement of other measures that have become accepted practice in New Zealand for protection of the NZ long-tailed bat (LTB). The AUP and Auckland Transport TDM are also silent on this issue in terms of specific controls. This is a multi-discipline matter and requires the input of a Bat Ecologist and a Lighting Specialist. In the absence of any currently published guidelines specifically for the NZ long-tailed bat, consenting processes for other sites have defaulted to the recommendations in EUROBATS Publications Series No. 8 – Guidelines for consideration of bats in lighting projects ( [https://www.eurobats.org/sites/default/files/documents/publications/publication\\_series/WEB\\_EUROBATS\\_08\\_ENGL\\_NVK\\_19092018.pdf](https://www.eurobats.org/sites/default/files/documents/publications/publication_series/WEB_EUROBATS_08_ENGL_NVK_19092018.pdf) ). While this does address spill light, it also recommends a number of other measures, which are not apparently mentioned in the application documents as yet. We recommend that these guidelines be referenced as the basis for developing suitable construction and operational EMP's for protection of the LTB

Kind regards

### John McKensey

BE Elec CMEngNZ MIEAust CPEng(Aust) MIES  
NER APEC Engineer IntPE(Aust) GSAP  
Member Resource Management Law Association of NZ Inc.  
Member International Dark-Sky Association  
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**From:** Jo Hart [mailto:Jo.Hart@aucklandcouncil.govt.nz]  
**Sent:** Friday, 24 February 2023 8:34 a.m.  
**To:** John McKensey (LDP) <john.mckensey@ldp.nz>

**Cc:** Todd Elder <todd.elder@aucklandcouncil.govt.nz>  
**Subject:** RE: SGA NW - Response to Lighting Specialist S92

Hi John

As per my earlier email of 26 January (below in email trail) – Supporting Growth has responded to your s92 request (also in the email trail dated 26 January).

Could you please review the response and let me know whether there is now sufficient information for you to make your assessment or if you require further information.

Please contact me if you have any questions.

Jo

Noho ora mai | Stay well

**Jo Hart | Senior Policy Planner**  
**Regional, North, West and Islands Planning**  
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**From:** Jo Hart  
**Sent:** Thursday, 26 January 2023 4:33 pm  
**To:** 'john.mckensey@ldp.nz' <[john.mckensey@ldp.nz](mailto:john.mckensey@ldp.nz)>  
**Subject:** FW: SGA NW - Response to Lighting Specialist S92

Hi John

Please find SGA's response to your s92 request in the email below.

Please contact me if you have any questions or need any more information from SGA.

Jo

Noho ora mai | Stay well

**Jo Hart | Senior Policy Planner**  
**Regional, North, West and Islands Planning**  
**Plans and Places**  
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**From:** John Daly <[John.Daly@supportinggrowth.nz](mailto:John.Daly@supportinggrowth.nz)>

**Sent:** Thursday, 26 January 2023 8:46 am

**To:** Jo Hart <[Jo.Hart@aucklandcouncil.govt.nz](mailto:Jo.Hart@aucklandcouncil.govt.nz)>; Todd Elder <[todd.elder@aucklandcouncil.govt.nz](mailto:todd.elder@aucklandcouncil.govt.nz)>

**Cc:** Regan Elley <[Regan.Elley@supportinggrowth.nz](mailto:Regan.Elley@supportinggrowth.nz)>; Bridget O'Leary <[Bridget.O'Leary@supportinggrowth.nz](mailto:Bridget.O'Leary@supportinggrowth.nz)>;

Bruce Hawkins <[Bruce.Hawkins@supportinggrowth.nz](mailto:Bruce.Hawkins@supportinggrowth.nz)>; Holly Atkins <[Holly.Atkins@supportinggrowth.nz](mailto:Holly.Atkins@supportinggrowth.nz)>

**Subject:** SGA NW - Response to Lighting Specialist S92

Hi Jo,

Many thanks for providing the comments from the lighting specialist.

Section 9.1.3 of the NW Local AEE is referred to in the lighting specialist response. This section relates to the detailed design elements which have not been developed for the proposed designation, and it covers typical transport corridor features, such as pavements, signs, road markings, bus stop locations, safety barriers. It also references lighting, but this reference relates to features such as lampposts etc. There is sufficient room within the designation footprint to provide these features and to comply with the relevant design guidance. These details will be developed at the detailed design / outline plan of work / management plan stage.

In terms of effects we have taken an envelope based approach to support the designation, this includes an assessment of lighting where it is relevant to the technical assessments, including ecology and landscape matters.

I have responded to the 5 points in the specialist's response below, but essentially this is to point out where the lighting effects have been considered and the corresponding condition.

**Points 1 and 4 relate to ecological matters –**

- Please refer to the NW Local, HIF and Strategic Ecology Assessments, which have considered the construction and operational effects of lighting on ecology along each project corridor.

**Point 2 relates to Lighting effects to air traffic safety and navigation (e.g. Whenuapai Airbase)**

NZDF has been engaged with prior to lodgement of the NW NoRs. NZDF has indicated in discussions that lighting should meet the Auckland Transport 'Transport Design Manual' requirements, which is the standard approach adopted by Auckland Transport. It should also be noted that NZDF will be notified of the NoRs and will have the opportunity to make a submission.

An Urban and Landscape Design Management Plan condition is proposed in respect to all NORs. The objective of the Urban and Landscape Design Management Plan is to enable integration of the Project's permanent works into the surrounding landscape and urban context. This includes the Whenuapai airbase and the activities within the airbase. As such, detailed design elements, such as lighting, will need to integrate with the surrounding land use. To support integration these will need to be designed to avoid adverse effects in terms of air traffic safety and navigation, or otherwise appropriately managed.

**Points 3 and 5 relate to the proposed conditions –**

- Construction Environmental Management Plan - The objective of the CEMP is to set out the management procedures and construction methods to be undertaken to, avoid, remedy or mitigate any adverse effects associated with Construction Works as far as practicable. This includes details of the proposed construction yards, including construction lighting.

- Ecological Management Plans Conditions - The objective of the EMP is to minimise effects of the projects on the ecological features of value of Confirmed Biodiversity Areas (identified for each corridor in the condition schedules).
  - For threatened or at risk wetland birds - the conditions includes measures for minimising light spill from construction areas into Wetlands.
  - For bats - The approach is to:
    - Identify construction activities which will minimise disturbance on bats; and
    - Identify where existing vegetation should be retained or new vegetation should be provided within the designation. Note locations for ecological mitigation have informed the designation boundary.
  - Urban and Landscape Design Management Plan – The condition requires the ULDM to be prepared to comply with a number of design related documents, including Auckland Transport’s Urban Roads and Streets Design Guide and Waka Kotahi Urban Design Guidelines: Bridging the Gap (2013). These guides cover street lighting. The condition requires roadside elements such as lighting to be included in the plan, which in turn should comply with the relevant guidance, ensuring potential effects such as light spill, glare and amenity effects are appropriately managed.

### Next Steps

Based upon the above and the NOR lodgement documents, we believe we have provided sufficient information to assess and manage lighting effects in relation to the NW NoRs.

Please let me know if a meeting would be useful with the lighting specialist to guide them to the relevant section of the documents, or if there are any additional points that would be helpful to discuss.

Kind regards,

John

**John Daly** | Planning Lead (North West)  
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**From:** Jo Hart <[Jo.Hart@aucklandcouncil.govt.nz](mailto:Jo.Hart@aucklandcouncil.govt.nz)>  
**Sent:** Tuesday, 24 January 2023 4:52 PM  
**To:** John Daly <[John.Daly@supportinggrowth.nz](mailto:John.Daly@supportinggrowth.nz)>  
**Subject:** 22-0042\_S92 Request\_SG NW\_Lighting

Hi John

As per Todd’s email this afternoon, please find attached the further information requested from the lighting specialist.

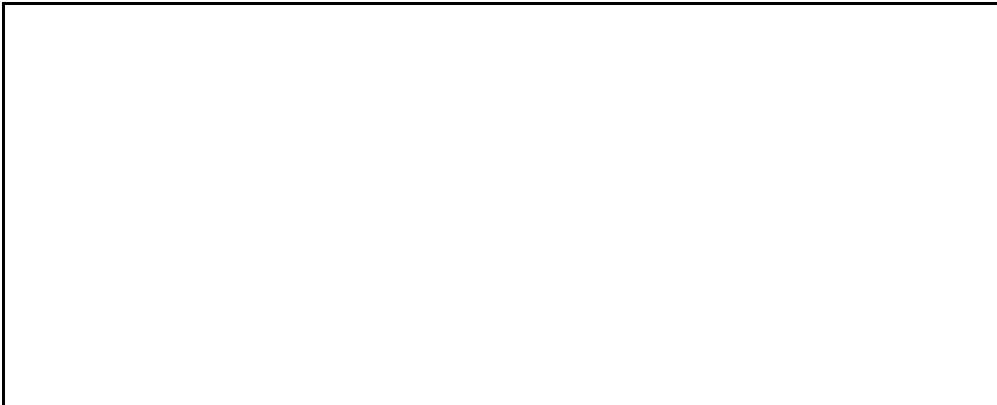
Today, I will also be sending through requests from:

- Landscape/visual
- Built heritage
- Traffic – strategic projects

There may also be others including traffic – local arterials/HIF.

Please contact me if you have any questions.

Jo



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