

## Summary of Submission Points by Submitter

| Submitter Name                             | Submission Point Number | Plan provision                     | Support/Oppose  | Reasons  | Decision Requested   |
|--|-------------------------|------------------------------------|-----------------|--|--|
| <b>Alan &amp; Joyanne Stevens</b>          |                         |                                    |                 |  |  |
| Alan & Joyanne Stevens                     | S10/001                 | Other                              | Support         | We fully support this plan change which will further enhance the already amazing Wairarapa night sky and enable part of the Wairarapa to be certified as an International Dark Sky Reserve.  | We ask Council to adopt the Plan Change in its entirety.   |
| <b>Genesis Energy Limited</b>              |                         |                                    |                 |  |  |
| Genesis Energy Limited                     | S2/002                  | 21.1.11 - Outdoor Artificial Light | Support in part | <p>Whilst wind turbines do not require outdoor artificial lighting in general (other than a motion sensor controlled light at each entrance door which will meet the Proposed Plan Change rules), new or replacement turbines may trigger the need for aircraft warning lights in accordance with Civil Aviation Rules.</p> <p>The light colour, intensity, and duration are specified by the Civil Aviation Rules subject to the scale and build of the fixed structure. Given the important civil aviation safety requirement, Genesis considers the Proposed Plan Change should explicitly provide for outdoor artificial lighting within the Dark Sky Management Area that are required by the applicable Civil Aviation Rules. The explicit reference to the applicable Civil Aviation Rules will allow for future changes in those requirements which may occur in response to new information and technology.</p> | <p>Add exception (v) to 21.1.11(a) as follows:</p> <p><b>'(v) Lighting as required by the applicable Civil Aviation Rules.'</b></p> <p>OR see S3/003</p>   |
| Genesis Energy Limited                     | S2/003                  | 22.1.17 - Outdoor Artificial Light | Support in part | <p>Whilst wind turbines do not require outdoor artificial lighting in general (other than a motion sensor controlled light at each entrance door which will meet the Proposed Plan Change rules), new or replacement turbines may trigger the need for aircraft warning lights in accordance with Civil Aviation Rules.</p> <p>The light colour, intensity, and duration are specified by the Civil Aviation Rules subject to the scale and build of the fixed structure. Given the important civil aviation safety requirement, Genesis considers the Proposed Plan Change should explicitly provide for outdoor artificial lighting within the Dark Sky Management Area that are required by the applicable Civil Aviation Rules. The explicit reference to the applicable Civil Aviation Rules will allow for future changes in those requirements which may occur in response to new information and technology.</p> | <p>Add (viii) to 22.1.17 as follows:</p> <p><b>'(viii) Requirement for lighting under the applicable Civil Aviation Rules.'</b></p> <p>OR see S3/002</p> <p><i>(Planner Note: Submission refers to 21.1.17, but we assume the submitter meant 22.1.17)</i></p> |
| Genesis Energy Limited                     | S2/004                  | Other                              | Support         | Generally support the intent of the proposed plan change and the potential benefits an International Dark Sky Reserve may bring to the Wairarapa region.   | n/a  |
| <b>Greater Wellington Regional Council</b> |                         |                                    |                 |  |  |

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| Greater Wellington Regional Council | S4/001 | 21.1.11(a)(iii) | Support | <p>I support the proposed changes to the plan. These changes will help minimise lighting impacts on the natural environment in the South Wairarapa District, an area adjacent to the park I am responsible for (Wainuiomata Orongorongo water collection area).</p> <p>The Greater Wellington Regional Council currently runs free stargazing and bushwalk nights promoting dark skies as a public service. These changes and the proposed Dark Sky Reserve will ensure that the park continues to be able to run these events in to the future and will protect the Taonga which is the night sky.</p> | Approval of the proposed plan change  |
| Greater Wellington Regional Council | S4/002 | 21.1.11(a)(ii)  | Support | <p>I support the proposed changes to the plan. These changes will help minimise lighting impacts on the natural environment in the South Wairarapa District, an area adjacent to the park I am responsible for (Wainuiomata Orongorongo water collection area).</p> <p>The Greater Wellington Regional Council currently runs free stargazing and bushwalk nights promoting dark skies as a public service. These changes and the proposed Dark Sky Reserve will ensure that the park continues to be able to run these events in to the future and will protect the Taonga which is the night sky.</p> | Approval of the proposed plan change  |
| Greater Wellington Regional Council | S4/003 | 21.1.11(a)(iv)  | Support | <p>I support the proposed changes to the plan. These changes will help minimise lighting impacts on the natural environment in the South Wairarapa District, an area adjacent to the park I am responsible for (Wainuiomata Orongorongo water collection area).</p> <p>The Greater Wellington Regional Council currently runs free stargazing and bushwalk nights promoting dark skies as a public service. These changes and the proposed Dark Sky Reserve will ensure that the park continues to be able to run these events in to the future and will protect the Taonga which is the night sky.</p> | Approval of the proposed plan change. |

#### Maritime New Zealand

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| Maritime New Zealand | S3/001 | 21.1.11(a)(iv) | Support in part | <p>Generally supports the Dark Sky initiative and have recommended changes that we could implement regarding lighthouses in the proposed IDA area.</p> <p>However, standards proposed to be included in the District Plan will conflict with the international standards which Maritime New Zealand must comply with when providing AtoNs (aids to navigation, like Cape Palliser and Honeycomb Rock lighthouses).</p> <p>Concerned that proposed standards could potentially create a shipping hazard. IDA guidance recognises that some allowance needs to be made where lighting is required by law (see IDA Guidance, page 6, footnote 2). Maritime NZ will continue to work with the Wairarapa Dark Sky Association so AtoNs will meet the IDA standards as much as possible,</p> | <p>Include an additional exception under rule 21.1.11(a)(iv) that reads:</p> <p>Any lighting whose function is to ensure the safe navigation or operation of ships at sea. (see S4/002)</p> <p><i>And any other consequential amendments to the proposal required to give effect to this submission.</i></p> |
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|   |        |                  |                 | however, it may be that the proposed provisions may not achieve safe navigation of ships.   |  |
| Maritime New Zealand                    | S3/002 | 27 - Definitions | Support in part | Generally supports the Dark Sky initiative and have recommended changes that we could implement regarding lighthouses in the proposed IDA area. However, standards proposed to be included in the District Plan will conflict with the international standards which Maritime New Zealand must comply with when providing AtoNs (aids to navigation, like Cape Palliser and Honeycomb Rock lighthouses). Concerned that proposed standards could potentially create a shipping hazard. IDA guidance recognises that some allowance needs to be made where lighting is required by law (see IDA Guidance, page 6, footnote 2). Maritime NZ will continue to work with the Wairarapa Dark Sky Association so AtoNs will meet the IDA standards as much as possible, however, it may be that the proposed provisions may not achieve safe navigation of ships. | <i>If adding an exception to 21.1.11(a)(iv) is not reasonable, include a definition of "outdoor artificial light" that excludes any lighting whose function is to ensure the safe navigation or operation of ships at sea. (see S4/001)</i><br><br><i>And any other consequential amendments to the proposal required to give effect to this submission.</i> |
| <b>Powerco Limited</b>                  |        |                  |                 |   |  |
| Powerco Limited                         | S1/001 | 21.1.11(a)       | Support in part | Powerco supports the majority of the proposed plan change, but opposes the amendments to rule 21.1.11(a) as they could restrict works that need to be undertaken during hours of darkness. Routine work is not generally undertaken at night, however extraordinary or emergency repair work may need to be. In order to undertake such work safely, illumination of the work site would be required. For above ground assets, this illumination may be directed upwards.   | <b>Add a further exemption to rule 21.1.11(a), as follows (or such other additional or consequential relief as is necessary to achieve consistency with the relief sought):</b><br><br><i>(v) Night-time works undertaken by a network utility operator are exempt from complying with standards (ii) and (iii) above.</i>                                   |
| <b>South Wairarapa District Council</b> |        |                  |                 |   |  |
| South Wairarapa District Council        | S8/001 | 21.1.11(a)       | Support in part | Since the Plan change was notified the Council has discovered that the proposed rules for Outdoor Artificial Lighting, as drafted, inadvertently may control lighting from vehicles and lighting mounted to vehicles. For example lights from vehicles used while undertaking primary production activities in the Rural Zone.<br><br>Lighting from vehicles is paramount for safety in the evenings. In addition, vehicle lighting allows primary production and other activities to occur in evenings.<br><br>It is considered that vehicle lighting or lighting mounted to vehicles will have very limited impact on the Dark Sky.   | Amend rule 21.1.11(a) to add:<br><br><i>(v) Lighting from or mounted to moveable vehicles</i>  |
| <b>Under the Stars NZ Ltd</b>           |        |                  |                 |   |  |
| Under the Stars NZ Ltd                  | S6/001 | Other            | Support         | This is a great step forward in helping the Dark Sky Society get accreditation for the sky. In return, the number of tourists will  | <i>Approve the Draft Wairarapa International Dark</i>  |

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|  |  |  |  | <p>increase which in turn helps our economy.</p> <p>As a business that works in the dark and takes people on evening stargazing tours, this plan change is an important step in helping new astronomy businesses take a foot hold in the Wairarapa, and for established ones to continue to grow, providing new jobs and boosting the economy.</p> <p>But, it isn't just good for business, but also the people living in the region. Darker skies have been proven to aid better quality sleep, healthier body routines and increase wellbeing. Avoiding blue and white light at night is vital for humans and the environment, we all need quality dark areas at night.</p> <p>Children should be able to see the stars at night. There are so many places in the world that you cannot see stars or the Milky Way. Without these stellar signposts, we lose a part of who we are by not being able to look further into the cosmos.</p> | <p><i>Sky – Outdoor Artificial Lighting Plan Change.</i></p> |
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**Wairarapa Dark Sky Association**

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| Wairarapa Dark Sky Association | S9/001 | Other | Support | <p>This proposed plan change is a prerequisite for the Wairarapa Dark Sky Association's (WDSA) key goal of achieving International Dark Sky Reserve status for the Wairarapa. Without this plan change we would not meet the criteria applied by the International Dark Sky Association for accrediting the Wairarapa as a reserve. We believe that the proposed changes strike an appropriate balance between supporting the use of artificial light at night when needed for safety or recreation, and limiting the inappropriate use of artificial light when light does not increase safety or have a specific functional purpose. We believe the plan change will bring the following benefits:</p> <ul style="list-style-type: none"> <li>• Preserve the dark Wairarapa sky, and to minimize the impact of light pollution on the natural environment (plants, insects, and animals) of the Wairarapa .</li> <li>• Minimize the potential adverse health impacts of artificial light on human health and wellbeing in the Wairarapa District.</li> <li>• Maintaining natural amenity in the district for residents and national and international visitors. Matariki is becoming a touchstone for wider engagement with Mātauranga Maori. International interest in the night sky is evident by The recent book Lonely Planet of Dark Skies: a practical guide to astrotourism, demonstrates the level of national and international interest in night skies and the wider field of environmental tourism.</li> </ul> <p>The change does not prohibit the use of artificial light at night where there are specific functional purposes, such as for road safety, but seeks to minimize the harms that can</p> | <p><i>Approve the Draft Wairarapa International Dark Sky – Outdoor Artificial Lighting Plan Change.</i></p> |
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|  |        |                |        | unintentionally arise from such lighting use. Wairarapa will be at the forefront of emerging interest in dark skies and engagement with the night time environment.  |   |
| <b>Wairarapa Sports Artificial Surface Trust</b> |        |                |        |  |   |
| Wairarapa Sports Artificial Surface Trust        | S7/001 | 21.1.11(b)(i)  | Oppose | <p>WSAST has an existing established hockey complex at Clareville that the Wairarapa community highly value. The operation of this complex is run by volunteers and financially relies on grants from Councils, Trusts and rental from Hockey Wairarapa.</p> <p>As hockey is predominately a winter sport, floodlights are an essential element to the turfs for late afternoon and evening games including practices. Approximately a third to half of the hockey games and practices played on the turfs, are under floodlights.</p> <p>The 18.1 metre light masts are fitted with Philips MVP507 fittings which takes either a Philips lamp (4000k Kelvin) or an Osram lamp (5000k Kelvin). The electrical circuit does not incorporate the ability to have sectional lighting or selectable lower lighting for training.</p> <p>The Trust is not in a position to fund additional requirements due to the propose Dark Skies criteria if adopted by the Councils.</p> <p>Lighting provisions that are restrictive on outdoor sports lighting and which may trigger resource consent would be onerous for sports clubs, which are usually community run organisations with limited resources.</p> | Existing rights to continue with no impediment in the future and/or additional cost as a result of the proposed Plan Change for the Wairarapa International Dark Sky Reserve – Outdoor Artificial Lighting. |
| Wairarapa Sports Artificial Surface Trust        | S7/002 | 21.1.11(b)(iv) | Oppose | <p>WSAST has an existing established hockey complex at Clareville that the Wairarapa community highly value. The operation of this complex is run by volunteers and financially relies on grants from Councils, Trusts and rental from Hockey Wairarapa.</p> <p>As hockey is predominately a winter sport, floodlights are an essential element to the turfs for late afternoon and evening games including practices. Approximately a third to half of the hockey games and practices played on the turfs, are under floodlights.</p> <p>The 18.1 metre light masts are fitted with Philips MVP507 fittings which takes either a Philips lamp (4000k Kelvin) or an Osram lamp (5000k Kelvin). The electrical circuit does not incorporate the ability to have sectional lighting or selectable lower lighting for training.</p> <p>The Trust is not in a position to fund additional requirements due to the propose Dark Skies criteria if adopted by the Councils.</p> <p>Lighting provisions that are restrictive on outdoor sports</p>  | Existing rights to continue with no impediment in the future and or additional cost as a result of the proposed Plan Change for the Wairarapa International Dark Sky Reserve – Outdoor Artificial Lighting. |

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|   |        |               |        | lighting and which may trigger resource consent would be onerous for sports clubs, which are usually community run organisations with limited resources.   |  |
| Wairarapa Sports Artificial Surface Trust | S7/003 | 21.1.11(b)(v) | Oppose | <p>WSAST has an existing established hockey complex at Clareville that the Wairarapa community highly value. The operation of this complex is run by volunteers and financially relies on grants from Councils, Trusts and rental from Hockey Wairarapa.</p> <p>As hockey is predominately a winter sport, floodlights are an essential element to the turfs for late afternoon and evening games including practices. Approximately a third to half of the hockey games and practices played on the turfs, are under floodlights.</p> <p>The 18.1 metre light masts are fitted with Philips MVP507 fittings which takes either a Philips lamp (4000k Kelvin) or an Osram lamp (5000k Kelvin). The electrical circuit does not incorporate the ability to have sectional lighting or selectable lower lighting for training.</p> <p>The Trust is not in a position to fund additional requirements due to the propose Dark Skies criteria if adopted by the Councils.</p> <p>Lighting provisions that are restrictive on outdoor sports lighting and which may trigger resource consent would be onerous for sports clubs, which are usually community run organisations with limited resources.</p> | <p>Amend 21.1.11 Outdoor Artificial Light to read:</p> <p>(b) Outdoor Sports Lighting at Recreation Facilities</p> <p>(i) All outdoor sports lighting shall have a colour temperature of light emitted of 4000K Kelvin or lower.</p> <p>(iv) Outdoor sports lighting shall not operate between 10pm and 7am.</p> <p>(v) All outdoor sports lighting shall provide the following controls;</p> <p>(1) Automatic curfew controls to ensure the lighting is off between 10pm and 7am.</p> <p><del>(2) Local control to turn lights on and off.</del></p> <p>(3) If the lighting has a lighting level for competition, it shall also have a selectable lower lighting level for training.</p> <p>Existing rights to continue with no impediment in the future and or additional cost as a result of the proposed Plan Change for the Wairarapa International Dark Sky Reserve – Outdoor Artificial Lighting.</p> |

**Waka Kotahi/NZ Transport Agency**

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| Waka Kotahi/NZ Transport Agency | S5/001 | 19.3.4(g) | Support | <p>Waka Kotahi support the proposed plan change with the understanding that the amended provisions will not hinder our statutory functions and obligations to safely provide adequate state highway lighting, lighting required for road maintenance/upgrade/emergency works, lighting for road signals, and lighting for accident/incidents/hazards.</p> <p>Waka Kotahi activities in state highway designations are exempt from the proposed provisions. However, we acknowledge that standard road lighting does not meet the 500-lumens and 300K light limits introduced by this plan change. Waka Kotahi has committed to meeting Dark Sky lighting criteria wherever possible on SH2 and SH53, replacing existing road lighting with 500l and 3000K lanterns, and working to minimise sky glow at our temporary night worksites.</p> | <p>Retain as notified.</p> <p>Waka Kotahi has agreed to alter the colour temperature of lighting in keeping with the environmental outcomes sought.</p> |
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| Waka Kotahi/NZ Transport Agency | S5/002 | 21.1.11(a)                         | Support in part | <p>Most of our work that is outside a state highway designation is permitted under district plan Temporary worksite lighting is typically established within state highway road designation boundaries and is exempt from Outdoor Artificial Light standards. When that isn't possible for construction and emergency works, the lighting is usually temporary and exempt from district plan standards for 12 months.</p> <p>On the rare occasion that night work outside state highway designation boundaries needs more than 12 months, it would not comply with proposed changes under 21.1.11 and would need resource consent. If the resource consents were not granted, we may struggle to deliver major infrastructure projects and social and economic costs would accrue. We anticipate such resource consents would be achievable because that lighting is highly unlikely to contribute to skyglow to the extent that viewing the night sky is impacted. It would be unlikely to raise the 80% limit on light emissions for a community.</p> | <p>If commissioners consider and exemption is possible, we'd prefer the proposed rule 21.1.11(a) is amended to include an exception as follows:</p> <p><b>(v) Temporary worksite light for state highway road construction and maintenance purposes which may be in place for the duration of a project exceeding 12 months.</b></p> <p>OR</p> <p>retain rule 21.1.11(a) as notified.</p> <p><i>(Note: The submission refers to rule 22.1.16 but we assume they mean 21.1.11(a))</i></p> |
| Waka Kotahi/NZ Transport Agency | S5/003 | 22.1.17 - Outdoor Artificial Light | Support         | <p>If worksite lighting outside a state highway road designation need to remain in place for longer than 12 months, a resource consent would be required. If the resource consents were not granted, we may struggle to deliver major infrastructure projects and social and economic costs would accrue. We anticipate such resource consents would be achievable because that lighting is highly unlikely to contribute to skyglow to the extent that viewing the night sky is impacted, and shields are likely to be use effectively.</p>  | <p>Retain as notified</p> <p><i>(Note: the submission refers to rule 22.1.11 but we assume they mean 22.1.17)</i></p>  |