

## EGEN – Electricity generation

### Rules

| EGEN-RI   | Small-scale electricity generation [000081] {000063}   |  |
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| All zones | <p><b>(1) Activity status: PER</b></p> <p><b>Activity-specific standards:</b></p> <p>(a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following standards, where applicable:</p> <p>(i) Is not located within an Identified Area;</p> <p>(ii) Is not located on unformed road;</p> <p>(iii) Maximum one wind turbine per site in the GRZ – General residential zone, MRZ – Medium density residential zone, RPZ - Rangitahi Peninsula zone, LLRZ – Large lot residential zone and SETZ – Settlement zone;</p> <p>(iv) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</p> <p>(v) Freestanding wind turbines have a maximum blade diameter of 2.5m;</p> <p>(vi) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</p> <p>(vii) Roof-mounted wind turbines have a maximum blade diameter of 2.5m;</p> <p>(viii) Any wind turbine on a site adjoining GRZ – General residential zone, MRZ – Medium density residential zone, RPZ - Rangitahi Peninsula zone, LLRZ – Large lot residential zone or SETZ – Settlement zone must meet the height in relation to boundary limits on the</p> | <p><b>(2) Activity status where compliance not achieved: RDIS</b></p> <p><b>Council’s discretion is restricted to the following matters:</b></p> <p>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</p> <p>(b) Visual, landscape, streetscape and amenity effects, including noise;</p> <p>(c) Shadow flicker effects;</p> <p>(d) The risk of hazards affecting public or individual safety, and risk of property damage;</p> <p>(e) Effects on the values, qualities and characteristics of any Identified Area; and</p> <p>(f) Ecology and biodiversity effects.</p> |

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|                           | <p>boundary with that adjoining zone;</p> <p>(ix) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; or attached to a ground mounted frame;</p> <p>(x) Wind turbine noise must:</p> <p>(1) Not exceed the background sound level (L95) by more than 5dBA, or a level of 40dBA (L95), whichever is the greater, when measured at operational wind speeds, and for properties located adjacent to the facility when measured at:</p> <p>(a) Any existing building or structure for sensitive land uses; and</p> <p>(b) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; and</p> <p>(2) Be measured and assessed in accordance with NZS6808: 2010 Acoustics – Wind Farm Noise; and</p> <p>(xi) All other structures not listed above must not be higher than the maximum building height limit of the zone in which they are located.</p> |  |
| <b>EGEN-R2</b>            | Community-scale electricity generation <b>[000081] {000063}</b>   |  |
| GRUZ – General rural zone | <p><b>(1) Activity status: PER</b></p> <p><b>Activity-specific standards:</b></p> <p>(a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following standards, where applicable:</p> <p>(i) Is not located within an Identified Area;</p> <p>(ii) Is not located on unformed road;</p> <p>(iii) Maximum one wind turbine per site in the GRZ –</p>  | <p><b>(2) Activity status where compliance not achieved: RDIS</b></p> <p><b>Council’s discretion is restricted to the following matters:</b></p> <p>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</p> <p>(b) Visual, landscape, streetscape and amenity effects, including noise;</p> <p>(c) Shadow flicker effects;</p> |

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|  | <p>General residential zone, MRZ – Medium density residential zone, RPZ - Rangitahi Peninsula zone, LLRZ – Large lot residential zone and SETZ – Settlement zone;</p> <p>(iv) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</p> <p>(v) Freestanding wind turbines have a maximum blade diameter of 2.5m;</p> <p>(vi) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m;</p> <p>(vii) Roof-mounted wind turbines have a maximum blade diameter of 2.5m;</p> <p>(viii) Any wind turbine on a site adjoining GRZ – General residential zone, MRZ – Medium density residential zone, RPZ - Rangitahi Peninsula zone, LLRZ – Large lot residential zone or SETZ – Settlement zone must meet the height in relation to boundary limits on the boundary with that adjoining zone;</p> <p>(ix) Solar panels on the roof of a building must not exceed 1.5m in height above the existing roof; or attached to a ground mounted frame;</p> <p>(x) Wind turbine noise must:</p> <p>(1) Not exceed the background sound level (L95) by more than 5dBA, or a level of 40dBA (L95), whichever is the greater, when measured at operational wind speeds, and for properties located adjacent to the facility when measured at:</p> | <p>(d) The risk of hazards affecting public or individual safety, and risk of property damage;</p> <p>(e) Effects on the values, qualities and characteristics of any Identified Area; and</p> <p>(f) Ecology and biodiversity effects.</p> |
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|                | <p>(a) Any existing building or structure for sensitive land uses; and</p> <p>(b) Any potential building site where a building or structure for sensitive land uses could be located as a permitted activity; and</p> <p>(2) Be measured and assessed in accordance with NZS6808: 2010 Acoustics – Wind Farm Noise; and</p> <p>(xi) All other structures not listed above must not be higher than the maximum building height limit of the zone in which they are located.</p>  |  |
| <b>EGEN-R3</b> | Research and exploratory-scale investigations for renewable electricity generation activities <b>[000081, 000063]</b>   |  |
| All zones      | <p><b>(1) Activity status: PER</b></p> <p><b>Activity-specific standards:</b></p> <p>(a) Research and exploratory-scale investigations for renewable electricity generation activities that comply with all of the following:</p> <p>(i) The noise limits that are applicable to the zone;</p> <p>(ii) The height of any equipment must not exceed the building height limit of the zone in which they are located by more than 3m, or within the GRUZ – General rural zone must not exceed 20m total height measured from the natural ground level immediately below the structure;</p> <p>(iii) The size and location of any equipment must not exceed height in relation to boundary relevant to the zone in which it is located;</p> <p>(iv) Setbacks relevant to the zone in which it is located;</p> <p>(v) Is not located within an identified area; and</p> | <p><b>(2) Activity status where compliance not achieved: RDIS</b></p> <p><b>Council’s discretion is restricted to the following matters:</b></p> <p>(a) The functional and operational needs of, and benefits derived from, the infrastructure;</p> <p>(b) Visual, landscape, streetscape and amenity effects, including noise;</p> <p>(c) Shadow flicker effects;</p> <p>(d) The risk of hazards affecting public or individual safety, and risk of property damage;</p> <p>(e) Effects on the values, qualities and characteristics of any Identified Area; and</p> <p>(f) Ecology and biodiversity effects.</p> |

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|                             | (vi) Is not located on a road, or unformed road.  |  |
| <b>EGEN-R4</b>              | Temporary diesel-fuelled electricity generation activities <b>{000063}</b>  |  |
| All zones                   | <b>(1) Activity status: PER</b><br><b>Activity-specific standards:</b><br>Nil.  | <b>(2) Activity status where compliance not achieved: DIS</b>  |
| <b>EGEN-R5</b>              | Electricity generation within the Huntly Power Station site in the HIZ – Heavy industrial zone <b>{000063}</b>  |  |
| HIZ – Heavy industrial zone | <b>(1) Activity status: PER</b><br><b>Activity-specific standards:</b><br>(a) Electricity generation within the Huntly Power Station site in the HIZ – Heavy industrial zone that complies with the HIZ – Heavy industrial zone rules.  | <b>(2) Activity status where compliance not achieved: RDIS</b><br><b>Council’s discretion is restricted to the following matters:</b><br>(a) The extent of effects associated with the HIZ – Heavy industrial zone rules that the activity does not comply with. |
| <b>EGEN-R6</b>              | Large-scale wind farms located within the GRUZ – General rural zone, not within an Identified Area. <b>[000063]</b><br><br>Wind turbine noise must be measured and assessed in accordance with NZS6808:2010 Acoustics – Wind Farm Noise |  |
| GRUZ – General rural zone   | <b>(1) Activity status: DIS</b>   |  |
| <b>EGEN-R7</b>              | Large-scale wind farms located in a zone other than the GRUZ – General rural zone. <b>{000063}</b><br><br>Wind turbine noise must be measured and assessed in accordance with NZS6808:2010 Acoustics – Wind Farm Noise                  |  |
| All zones                   | <b>(1) Activity status: NC</b>  |  |
| <b>EGEN-R8</b>              | Large-scale wind farm located within any Identified Area in the GRUZ – General rural zone. <b>[000063]</b><br><br>Wind turbine noise must be measured and assessed in accordance with NZS6808:2010 Acoustics – Wind Farm Noise          |  |
| GRUZ – General rural zone   | <b>(1) Activity status: NC</b>  |  |