

EGEN – Electricity generation

Rules

EGEN-RI	Small-scale electricity generation	
All zones	<p>(1) Activity status: PER</p> <p>Activity-specific standards:</p> <ul style="list-style-type: none"> (a) Small-scale electricity generation and community-scale electricity generation that comply with each of the following standards, where applicable: <ul style="list-style-type: none"> (i) Is not located within an Identified Area; (ii) Is not located on unformed road; (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; (iv) Freestanding wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (v) Freestanding wind turbines have a maximum blade diameter of 2.5m; (vi) Roof-mounted wind turbines must not exceed the building height limit of the zone in which they are located by more than 3m; (vii) Roof-mounted wind turbines have a maximum blade diameter of 2.5m; (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>(2) Activity status where compliance not achieved: RDIS</p> <p>Council’s discretion is restricted to the following matters:</p> <ul style="list-style-type: none"> (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, landscape, streetscape and amenity effects, including noise; (c) Shadow flicker effects; (d) The risk of hazards affecting public or individual safety, and risk of property damage; (e) Effects on the values, qualities and characteristics of any Identified Area; and (f) Ecology and biodiversity effects.

	<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>	
EGEN-R2	Community-scale electricity generation	
GRUZ – General rural zone	<p>(1) Activity status: PER</p> <p>Activity-specific standards:</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>(2) Activity status where compliance not achieved: RDIS</p> <p>Council’s discretion is restricted to the following matters:</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>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>	
EGEN-R3	Research and exploratory-scale investigations for renewable electricity generation activities	
All zones	<p>(1) Activity status: PER</p> <p>Activity-specific standards:</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>(2) Activity status where compliance not achieved: RDIS</p> <p>Council’s discretion is restricted to the following matters:</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>

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