

GRID – National Grid

Rules

GRID-RI	Buildings, structures and sensitive land use within the National Grid Yard in a road	
Road	<p>(1) Activity status: PER</p> <p>Activity-specific standards:</p> <ul style="list-style-type: none"> (a) Buildings, structures and sensitive land use within the National Grid Yard in a road that comply with all of the following standards: <ul style="list-style-type: none"> (i) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or (ii) Infrastructure (other than for the reticulation and storage of water for irrigation purposes) undertaken by a network utility operator as defined in the Resource Management Act 1991; or (iii) Non-habitable horticultural buildings; or (iv) Artificial crop protection and support structures (v) Fences less than 2.5m in height, measured from the natural ground level immediately below the structure; and (vi) Minor structures associated with farming activity that are not situated within 12m of the outer visible foundation of any National Grid tower or 10m of the outer visible foundation of a National Grid tower, including: fences, gates, stock exclusion structures, cattle-stops, stock underpasses, stock bridges and culvert crossings, and drinking water supply pipelines, troughs, and water storage tanks. 	<p>(2) Activity status where compliance not achieved: NC</p>

	<p>(b) All buildings or structures permitted by Rule GRID-RI(1)(a) must:</p> <ul style="list-style-type: none"> (i) Comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 under all National Grid transmission line operating conditions; and (ii) Locate a minimum 12m from the outer visible foundation of any National Grid support structure foundation and associated stay wire, unless it is: <ul style="list-style-type: none"> (iii) A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the NZECP; or (iv) Fences less than 2.5m in height, measured from the natural ground level immediately below the structure, and located a minimum of 5m from the nearest National Grid support structure foundation; or (v) Network utilities (other than for the reticulation and storage of water for irrigation purposes) or any part of electricity infrastructure undertaken by a network utility operator as defined in the Resource Management Act 1991, that connects to the National Grid; and (vi) Not permanently physically impede existing vehicular access to a National Grid support structure <p>(c) Artificial crop protection structures and support structures between 8m and 12m from a single pole support structure but not a tower and any associated guy wire that:</p> <ul style="list-style-type: none"> (i) Meet the requirements of the NZECP 34:2001 ISSN 0114- 	
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	<p>0663 for separation distances from the conductor;</p> <p>(ii) Are no higher than 2.5m;</p> <p>(iii) Are removable or temporary, to allow a clear working space of at least 12m from the pole when necessary for maintenance and emergency repair purposes;</p> <p>(iv) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane.</p>	
GRID-R2	Earthworks activities within a road within the National Grid Yard	
Road	<p>(1) Activity status: PER</p> <p>Activity-specific standards:</p> <p>(a) Earthworks within the National Grid Yard that comply with all of the following standards:</p> <p>(i) Do not exceed a depth (measured vertically) of 300mm within 12m of the outer visible edge of any National Grid support structure foundation.</p> <p>(ii) Do not compromise the stability of a National Grid support structure;</p> <p>(iii) Do not result in the loss of access to any National Grid support structure; and</p> <p>(iv) Do not result in a reduction in the ground to conductor clearance distances of less than 6.5m (measured vertically) from a 110kV National Grid transmission line, or 7.5m (measured vertically) from a 220kV National Grid transmission line.</p> <p>(b) The following earthworks activities are exempt from Rule GRID-R2(1)(a):</p> <p>(i) Earthworks that are undertaken by a network utility operator (other than for the reticulation and storage of water for irrigation purposes) as</p>	<p>(2) Activity status: RDIS</p> <p>Where:</p> <p>(a) Earthworks within a road within the National Grid Yard that do not comply with Rule GRID-R2(1)(a)(i) but comply with standards (ii) (iii) and (iv) of Rule GRID-R2(1)(a):</p> <p>Council’s discretion is restricted to the following matters:</p> <p>(b) Impacts on the operation, maintenance, upgrading and development of the National Grid;</p> <p>(c) The risk to the structural integrity of the affected National Grid support structure(s);</p> <p>(d) Any impact on the ability of the National Grid owner (Transpower) to access the National Grid;</p> <p>(e) The risk of electrical hazards affecting public or individual safety, and the risk of property damage.</p> <p>(f) Technical advice provided by the National Grid owner (Transpower); and</p> <p>(g) Any effects on National Grid support structures including the creation of an unstable batter.</p> <p>(3) Activity status: NC</p> <p>Where:</p>

	<p>defined by the Resource Management Act 1991;</p> <p>(ii) Earthworks undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track;</p> <p>(iii) Vertical holes not exceeding 500mm in diameter that:</p> <p>(1) are more than 1.5m from the outer edge of the pole support structure or stay wire; or</p> <p>(2) are a post hole for a farm fence or horticulture structure more than 6m from the visible outer edge of a tower support structure foundation.</p>	<p>(a) Earthworks within a road within the National Grid Yard do not comply with Rule GRID-R2(2).</p>
GRID-R3	Below ground transmission lines associated with the National Grid not located within identified areas	
Road	<p>(1) Activity status: RDIS</p> <p>Activity-specific standards: Nil.</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, streetscape and amenity effects; and</p> <p>(c) The risk of electrical hazards affecting public or individual safety, and risk of property damage.</p>	<p>(2) Activity status where compliance not achieved: n/a</p>
GRID-R4	Transformers, substations and switching stations associated with the National Grid not located within Identified Areas	
Road	<p>(1) Activity status: RDIS</p> <p>Activity-specific standards: Nil.</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>(2) Activity status where compliance not achieved: n/a</p>

	<p>(b) Visual, streetscape and amenity effects; and</p> <p>(c) The risk of electrical hazards affecting public or individual safety, and risk of property damage.</p>	
GRID-R5	The subdivision of land in a road within the National Grid Subdivision Corridor	
Road	<p>(1) Activity status: RDIS</p> <p>Activity-specific standards:</p> <p>(a) The subdivision of land in a road within the National Grid Subdivision Corridor that complies with all of the following standards:</p> <p>(i) All resulting allotments be able to demonstrate that they are capable of accommodating a building platform for the likely principal building(s) and any building(s) for a sensitive land use outside of the National Grid Yard, other than where the allotments are for roads, access ways or infrastructure; and</p> <p>(ii) The layout of allotments and any enabling earthworks must ensure that physical access is maintained to any National Grid support structures located on the allotments, including any balance area.</p> <p>Council's discretion is restricted to the following matters:</p> <p>(b) The subdivision layout and design in regard to how this may impact on the operation, maintenance, upgrading and development of, including access to, the National Grid;</p> <p>(c) The ability to provide a complying building platform outside of the National Grid Yard;</p> <p>(d) The risk of electrical hazards affecting public or individual safety, and the risk of property damage;</p>	<p>(2) Activity status where compliance not achieved: NC</p>

	<p>(e) The nature and location of any vegetation to be planted in the vicinity of National Grid transmission lines, and the how such landscaping will impact on the operation, maintenance, upgrade and development (including access) of the National Grid;</p> <p>(f) The risk to the structural integrity of the National Grid; and</p> <p>(g) The extent to which the subdivision design and consequential development will minimise the potential reverse sensitivity on and amenity and nuisance effects of the National Grid asset.</p>	
GRID-R6	New above and below ground transmission lines associated with the National Grid within Identified Areas	
Road	(I) Activity status: DIS	
GRID-R7	New above-ground transmission lines associated with the National Grid not located within Identified Areas	
Road	(I) Activity status: DIS	
GRID-R8	Substations and switching stations associated with the National Grid located within Identified Areas	
Road	(I) Activity status: NC	
GRID-R9	Any new building for a sensitive land use, or addition to an existing building that involves an increase in the building envelope or height for a sensitive land use, within a road and within the National Grid Yard	
Road	(I) Activity status: NC	
GRID-R10	Any change of use of an existing building to a sensitive land use within a road and within the National Grid Yard	
Road	(I) Activity status: NC	
GRID-R11	The establishment of any new sensitive land use within a road and within the National Grid Yard	
Road	(I) Activity status: NC	