

Appendix 2 – Changes sought to National Grid Rule – changes in purple

14.1 National Grid

14.4.1 Permitted Activities

- (a) The following activities are permitted activities within the National Grid Yard if they meet the activity specific conditions set out in this table. These rules apply throughout the District.

Activity	Activity specific conditions
<p>P2 Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018</p>	<p>14.4.1.2</p> <p>(1) Within National Grid Yard in the Business, Industrial, Country Living, Heavy Industrial, Rural, Town-Centre-Business, Hampton-Downs-Motorsport and Recreation, Tamahere Business, Te Kowhai Zone ¹ Airpark, or Reserves Zone or Coal Mining Area, Aggregate Extraction Area or Aggregate Resource Area.²³</p> <p>(a) Building alterations and additions to an existing building or structure that does not involve an increase in the building height or footprint; or</p> <p>(b) 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</p> <p>(c) Non-habitable buildings or structures for farming activities in rural zones including accessory structures and yards for milking/dairy sheds (but not including any intensive farming buildings, commercial greenhouses and milking/dairy sheds); ⁴ or</p> <p>(d) Yards for milking/dairy sheds Non-habitable horticultural buildings; or ⁵</p> <p>(e) Artificial crop protection and support structures (excluding commercial greenhouses and Protective canopies <i>Pseudomonas-syringae</i> pv. <i>Actinidiae</i> (Pea) disease control structures); ⁶</p> <p>(f) Fences less than 2.5m in height. ⁷</p> <p>(g) 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. ⁸</p> <p>(2) All buildings or structures permitted by Rule 14.4.1.2(1) must:</p> <p>(a) 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</p>

¹ 697.519 Waikato District Council

³ 576.54 Transpower

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⁸ 680.282 FFNZ

		<p>conditions; and</p> <p>(b) Locate a minimum 12m from the outer visible foundation of any National Grid support structure foundation tower and locate a minimum 12m from any pole⁹ and associated stay wire, unless it is:</p> <ol style="list-style-type: none"> i. A building or structure where Transpower has given written approval in accordance with clause 2.4.1 of the New Zealand Electrical Code of Practice for Electrical Safe Distances NZECP¹⁰; or ii. Fences less than 2.5m in height and located a minimum of 5m from the nearest National Grid support structure foundation¹¹; or iii. Artificial crop protection, 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; and¹² <p>(c) Not permanently physically impede existing vehicular access to a National Grid support structure¹³</p> <p>(3) The maximum height of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid tower.¹⁴</p> <p>(3) 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 (but not tower) must that¹⁵:</p> <ol style="list-style-type: none"> (a) Meet the requirements of the New Zealand Electrical Code of Practice for Electrical Safe Distances NZECP¹⁶ 84:2001 ISSN 0114-0663 for separation distances from the conductor; (b) Be¹⁷ Are no higher than maximum 2.5m high; (c) Be¹⁸ Are removable or temporary, to allow a clear working space of at least 12 metres from the pole when necessary for maintenance and emergency repair purposes; (d) Allow all-weather access to the pole and a sufficient area for maintenance equipment, including a crane. (d)(e) OR meet the requirements of NZECP34:2001 clause 2.4.1
P3	Earthworks activities within the National Grid Yard	<p>14.4.1.3</p> <p>(1) Earthworks within the for¹⁹ National Grid Yard support poles and any stay wires²⁰ that comply with all of²¹ the following conditions:</p> <ol style="list-style-type: none"> (a) Do not exceed a depth (measured vertically)²² of 300mm

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⁹ 576.54 Transpower
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¹⁶ 576.54 Transpower
¹⁷ 576.54 Transpower; 697.5 Waikato District Council
¹⁸ 576.54 Transpower
¹⁹ 576.55 Transpower
²⁰ 576.55 Transpower
²¹ 697.7 Waikato District Council

		<p>within 12m of the outer visible edge of any National Grid support structure foundation, 2.2m of the pole or stay wire; and²³</p> <p>(b) Do not exceed a depth of 750mm between 2.2m and 5m of the pole or stay wire.²⁴</p> <p>(2) Earthworks for National Grid support towers (including any tubular steel tower that replaces a steel lattice tower) that comply with all of the following conditions:</p> <p>(a) Do not exceed 300m depth within 6m of the outer edge of the visible foundation of the tower;</p> <p>(b) Do not exceed 3m between 6m and 12m of the outer edge of the visible foundation of the tower;²⁵</p> <p>(b) Are not located within an Identified Area;²⁶</p> <p>(c) Do not compromise the stability of a National Grid support structure;</p> <p>(d) Do not result in the loss of access to any National Grid support structure; and</p> <p>(e) 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. Must be less than the minimum ground to conductor clearance distances in Table 4 of the New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663.²⁷</p> <p>(3).(2) The following earthworks activities are exempt from Rules 14.4.1.3(1)(a) and (2):²⁸</p> <p>(a) Earthworks that are undertaken by a network utility operator (other than for the reticulation and storage of water for irrigation purposes) as defined by the Resource Management Act 1991;</p> <p>(b) Earthworks undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track;</p> <p>(c) Vertical holes not exceeding 500mm in diameter that:</p> <ol style="list-style-type: none"> are more than 1.5m from the outer edge of the pole support structure or stay wire, or 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>(d) Earthworks for which a dispensation has been granted by Transpower under New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663.²⁹</p>
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14.4.2 Restricted Discretionary Activities

- The activities listed below are restricted discretionary activities.
- Discretion to grant or decline consent and impose conditions is restricted to the matters of discretion set out in the following table.

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²³ 576.55 Transpower

²⁴ 576.55 Transpower

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²⁶ 559.156 Heritage NZPT

²⁷ 576.55 Transpower

²⁸ 576.55 Transpower

²⁹ 576.55 Transpower

Activity	Matters of Discretion
RD3 Earthworks within the National Grid Yard that does not comply with one or more of the conditions (a) of Rule 14.4.1.3(1) or and Rule 14.4.1.3(2) but complies with conditions (b) (c) (d) and (e) of Rule 14.4.1.3(2) ³⁰	Discretion is restricted to: <ul style="list-style-type: none"> (a) Impacts on the operation, maintenance, upgrading and development of the National Grid; (b) The risk to the structural integrity of the affected National Grid support structure(s); (c) Any impact on the ability of the National Grid owner (Transpower) to access the National Grid; (d) The risk of electrical hazards affecting public or individual safety, and the risk of property damage. (e) Technical advice provided by the National Grid owner (Transpower); (f) Any effects on National Grid support structures including the creation of an unstable batter. ³¹

14.4.3 Discretionary Activities

- (a) The activities listed below are discretionary activities.

D1	New above and ³² below ground transmission lines associated with the National Grid within Identified Areas
D2	New above-ground transmission lines associated with the National Grid not located within identified areas
D3	Buildings and structures for non-sensitive land uses and Earthworks within the National Grid Yard which are also within an Identified Area ³³

14.4.4 Non-Complying Activities

- (a) The activities listed below are non-complying activities.

NC1	Earthworks within the National Grid Yard that is not a permitted activity under Rule 14.4.1.P1 or a restricted discretionary activity under Rule 14.4.2.RD3 ³⁴
NC1	Above-ground transmission lines associated with the National Grid located within identified areas ³⁵
NC2	Transformers, Substations ³⁶ and switching stations associated with the National Grid located within Identified Areas identified areas ³⁷
NC3	Any activity within the National Grid Yard that does not comply with one or more of the conditions of Rule 14.4.1.1
NC4	Any activity within the National Grid Yard that does not comply with one or more of the conditions of Rule 14.4.1.2

³⁰ 576.58 Transpower

³¹ 576.58 Transpower

³² 576.60 Transpower; 576.62 Transpower

³³ 559.156 Heritage NZPT; 81.246 Waikato Regional Council

³⁴ 576.58 Transpower

³⁵ 576.60 Transpower; 576.62 Transpower

³⁶ 576.61 Transpower

³⁷ 697.12 Waikato District Council

NC5	Any new building for a sensitive land use within the National Grid Yard
NC6	Any change of use of an existing building to a sensitive land use within the National Grid Yard
NC7	The establishment of any new sensitive land use within the National Grid Yard
NC8	Any new hazardous facility that involves the storage and handling of hazardous substances Classes 1-4 with explosive or flammable intrinsic properties within 12m of the centre line of a National Grid Transmission Line
NC9	Dairy/milking sheds or buildings for intensive farming within the National Grid Yard
NC10	Any subdivision of land in any zone within the National Grid Corridor that does not comply with one or more of the conditions of Rule 14.4.2.1
NC11	Earthworks within the National Grid Yard that is not a permitted activity under Rule 14.4.1 P3 or a restricted discretionary activity under Rule 14.4.2 RD3 or a discretionary activity under Rule 14.4.3 D4 ³⁸

³⁸ 576.66 Transpower