

Supplementary Evidence

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To: Central Hawke's Bay District Council
Hearing Panel

Regarding: **Proposed District Plan**
Hearing Stream 3
National Grid Yard provisions

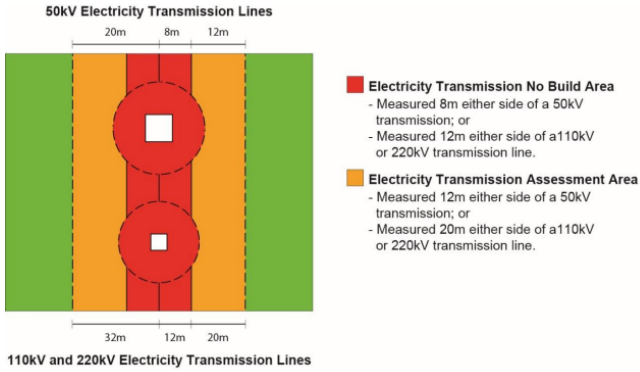
Date: 15 July 2022

Federated Farmers has checked the National Grid Yard definitions by District Council in the North Island. We have not included the definitions for City Councils, because we are interested in the rural zones and do not have members within city councils. The publicly available [Transpower assets map](#) does not show territorial authority boundaries, so the Federated Farmers list may be inaccurate. I apologise for any gaps.

The overall finding is that the National Grid Yard width for single poles appears to be 10 meters, rather than the 8 meters that we were seeking for Central Hawkes Bay District. Not many districts have single poles present, although there are some with pi-poles. Federated Farmers accepts that pi-poles need a wider setback to single poles.

Federated Farmers amends its relief sought for the distance from poles to be 10 meters to be consistent with other districts and as an appropriate buffer distance to meet the obligations under the NPS-ET policy 11, without significantly reducing the ability of landowners to use and enjoy their property.

District Council:	National Grid Yard definition:	National Grid assets in the district
Far North District	n/a	
Whangarei District	<i>National Grid Corridor means an area of 12m from the outer edge of a support structure and 12m from the centreline of the National Grid shown on the planning maps</i>	No poles. <ul style="list-style-type: none">• KEN - MPE A 110kV Double Circuit Towers• MDN - MPE A 110kV Double Circuit Towers• HEN - MPE A 110kV Double Circuit towers

	<p>while they are owned or operated by Transpower NZ Limited.</p>	<ul style="list-style-type: none"> • HEN - MDN A 220kV Double Circuit Towers • BRB - DEV A 220kV Double Circuit Towers
<p>Kaipara District</p>	 <p>The 50kV, 110kV and 220kV electricity transmission lines are shown on Map Series 2 of the Planning Maps.</p>	<p>Not any more. The smaller 50kv has since been divested.</p> <ul style="list-style-type: none"> • HEN-MDN-A 220kV double-circuit towers • HEN-MPE-A 110kV double-circuit towers
<p>Waikato Region</p>		
<p>Waikato District</p>	<p><i>National Grid Yard:</i></p> <p><i>Means the area located within:</i></p> <p><i>(a) 12 metres in any direction from the visible outer edge of a national grid support structure foundations; and</i></p> <p><i>(b) 10 metres either side of the centre line of any above-ground 110kV national grid line on single poles; and</i></p> <p><i>(c) 12 metres either side of the centre line of any above-ground national grid line on towers</i></p>	<p>Yes, the ARI-HAM A is 100kV single circuit poles.</p> <p>Federated Farmers has appealed seeking an 8m setback from poles.</p> <ul style="list-style-type: none"> • Bombay – Meremere A 110kV <ul style="list-style-type: none"> • Huntly-Otahuhu A 220KV • Meremere – Takanini A110kV • Brownhill – Whakamaru North A 400 kV • Otahuhu – Whakamaru A 220kV; • Otahuhu – Whakamaru B 220kV; • Otahuhu – Whakamaru C 220kV; • Huntly – Taumarunui A 220kV); • Hamilton – Meremere A underground 110kV (HAM-MER A CBL); • Hamilton – Meremere A 110kV); • Hamilton – Meremere B 110kV); • Hamilton – Meremere B underground 110kV);

		<ul style="list-style-type: none"> • Hamilton Deviation A 220kV); • Hamilton – Waihou A 110kV transmission line (HAM-WHU A); • Huntly Deviation A 220kV transmission line (HLY-DEV A); • Huntly – Otahuhu A 220kV transmission line (HLY-OTA A); • Hamilton – Karapiro A 110kV transmission line (HAM-KPO A); • Arapuni – Hamilton A 110kV transmission line (ARI-HAM A); • Arapuni – Hamilton B 110kV transmission line (ARI-HAM B); • Te Kowhai Deviation A 220kV line (Designated).
Thames-Coromandel	<p><i>National Grid Yard means:</i></p> <p>a. <i>The area located 12 metres in any direction from the outer edge of a National Grid Support Structure, and</i></p> <p>b. <i>The area located 12 metres on either side of the centreline of any overhead National Grid Transmission Line.</i></p>	<p>No Poles</p> <ul style="list-style-type: none"> • KPU - WKO A 110kV Double Circuit Towers
Hauraki District	Standard 8.2A.1.3 has a 12m setback from High Voltage Transmission Lines.	<p>No Poles</p> <ul style="list-style-type: none"> • KPU - WKO A 110kV Double Circuit Towers • WHU-WKO-A 110kv double-circuit towers
Matamata-Piako	<p><i>National Grid Yard</i>” (shown in red in the diagram below) means:</p> <ul style="list-style-type: none"> • <i>The area located 12 metres in any direction from the outer edge of a National Grid support structure; and</i> • <i>The area located 12 metres either side of the centreline of any overhead National Grid line;</i> 	<p>No single poles.</p> <ul style="list-style-type: none"> • Hinuera – Karapiro A (HIN-KPO A) 110Kv transmission line in pi-poles; • Hamilton – Waihou A (HAM-WHU A) 110Kv transmission line on towers; • • Waihou – Waikino (WHU-WKO A) 110Kv transmission line on towers; • • Piako Tee A (PAO-TEE A) 110Kv transmission line on single poles; • • Hinuera – Karapiro A (HIN-KPO A) 110Kv transmission line in pi-poles; • • Brownhill Road – Whakamaru North A (BHL-WHN A) 400Kv capable transmission line on towers;

Waipa	<p>'National Grid Yard' (shown in red on the National Grid diagram) means:</p> <ul style="list-style-type: none"> • The area located 12m in any direction from the outer edge of a NATIONAL GRID support structure; and • The area located 10m either side of the centreline of an overhead 100kV NATIONAL GRID line on single poles; and • The area located 12m either side of the centreline of any overhead NATIONAL GRID line on pi poles or towers 	<p>Yes, on the ARI-HAM-A line.</p> <ul style="list-style-type: none"> • HLY-TMN-A 220kv double-circuit towers • KPO-TMU-A 110kv single-circuit pi-poles • OTA-WKM-A 220kv single-circuit towers • OTA-WKM-B 220kv single-circuit towers • OTA-WKM-C 220kv single-circuit towers • HAM-KPO-A 110kv double-circuit towers • ARI-HAM-A 110kv single-circuit poles • ARI-HAM-B 110kv double-circuit towers • HIN-KPO-A 110kv single-circuit pi-poles • BHL-WHN-A 400kv double-circuit towers • ARI-ONG-A 110kv single-circuit pi-poles • ARI-ONG-B 110kv single-circuit towers
Otorohanga	n/a	
Waitomo	Under review.	<p>No single poles.</p> <ul style="list-style-type: none"> • Huntly-Taumaranui A 220kv double circuit towers. • Rangitoto Hills - Hangatiki A 100kv double circuit towers • ARI-ONG-B 110kv single-circuit towers
South Waikato	<p><i>The National Grid Yard (shown as dotted - means the area:</i></p> <ul style="list-style-type: none"> • Located 12m in any direction from the outer edge of a National Grid support structure (pole or tower) and • Located 10m either side of the centreline of an above ground 110kV National Grid line (or section of line) on single poles, or 	<p>No single poles.</p> <ul style="list-style-type: none"> • BHL-WHN-A 400kv double-circuit towers • KIN-DEV-A 110kv double-circuit towers • LCH-KIN-B 110kv single-circuit pi-poles • LCH-KIN-A 110kv single-circuit pi-poles • MTI-WPA-A 220kv single-circuit towers

	<ul style="list-style-type: none"> • Located 12m either side of the centreline of an above ground National Grid line on pi poles or towers. <p>Note: The National Grid Corridor and National Grid Yard do not apply to the Brownhill Road to Whakamaru North A 400kV capable lines, (or any other line) which are designated, or to underground cables.</p>	
Rotorua	<p>National Grid Yard: (shown in red)</p> <p>a. the area located 12 metres in any direction from the outer edge of an electricity transmission support structure;</p> <p>b. the area located 10 metres either side of the centreline of an overhead 110kV electricity transmission line on single poles;</p> <p>c. the area located 12 metres either side of the centreline of an overhead electricity transmission line on pi poles or towers;</p> <p>ADVICE NOTE: The National Grid Network Corridor and National Grid Yard do not apply to underground cables or any transmission lines (or sections of line) that are designated.</p>	<p>Yes, on the OWH-DEV-A line.</p> <ul style="list-style-type: none"> • OWH-DEV-A 110kv double-circuit towers and double-circuit poles • ARI-EDG-A 110kv single-circuit pi-poles and single-circuit towers • ARI-EDG-B 110kv single-circuit pi-poles. • EDG-TRK-A 220kv double-circuit towers • HAI-TRK-A 220kv double-circuit towers • ROT-TRK-A 110kv double-circuit towers • ATI-TRK-A 220kv double-circuit towers •
Taupo		
Bay of Plenty Region		
Western Bay of Plenty	<p>National Grid Electricity Transmission Buffer means an area of 12m from the outer edge of the support structures, and 12m of the centreline of the Te Matai Transmission Line (i.e. the HAI-TMI A and OKE-TMI A) or 12m of the centreline of the Kaitemako Transmission Line (i.e. the HAI-TRK A) shown</p>	<p>Yes poles on the 110kv single circuit HAI-TMI A.</p>

	<i>on the Planning Maps while the Transmission Lines are owned or operated by Transpower New Zealand Ltd.</i>	However this was the first district to do a National Grid Yard, and 12m was a significant victory for Federated Farmers from the 20m proposal.
Opotiki	<p><i>National Grid Yard Means any land located within:</i></p> <ul style="list-style-type: none"> <i>12m either side of the centreline of a 110kV National Grid Transmission line on pi poles; or within 12m in any direction from of the visible outer edge of any National Grid Support Structure foundation of a 110kV National Grid transmission line</i> 	<p>No poles.</p> <p>Edgecumbe – Waiotahi B 100kv on pi-poles.</p>
Whakatane	<i>National Grid Yard means any land located within 12m of the centreline of a National Grid transmission line, or within 12m of the visible outer edge of any National Grid Support Structure. The National Grid Yard does not apply to underground cables or any transmission line (or sections of lines) that are designated by Transpower. Refer to Figure 1: Diagram to explain the definitions of National Grid Yard and National Grid Corridor.</i>	<p>No poles.</p> <ul style="list-style-type: none"> Edgecumbe-Waiotahi B (EDG-WAI-B) 110Kv single circuit pi pole Kawerau-Deviation A (KAW-DEV-A) 220Kv double circuit steel tower Ohakuri-Edgecumbe A (OHK-EDG-A) 220Kv single circuit steel tower
Kawarau	n/a	<p>No poles.</p> <ul style="list-style-type: none"> Kawerau-Deviation A (KAW-DEV-A) 220Kv double circuit steel tower Edgecumbe-Kawerau B (EDG-KAW-A) 110Kv single circuit pi pole
Gisborne Region		
Gisborne District	n/a	
Hawke's Bay Region		
Wairoa	n/a	

Hastings	<p>National Grid Transmission Yard: means (shown in red in the diagram in Appendix 68, Figure 8): means</p> <ul style="list-style-type: none"> the area located 12 metres in any direction from the outer edge of a National Grid support structure foundation or the area located 10 metres either side of the centreline of an overhead 110kV National Grid line on single poles; or the area located 12 metres either side of the centreline of an overhead National Grid line on towers. 	<p>Yes</p> <ul style="list-style-type: none"> FHL-WDV-B 100kv single-circuit poles
Central Hawkes Bay	Under Review.	
Taranaki Region		
New Plymouth	<p>National Grid Yard: means the area located 12 metres in any direction from the outer edge of a National Grid support structure, and the area located 12 metres either side of the centreline of any overhead National Grid line on pi poles or towers. The National Grid Yard does not apply to underground cables or any transmission lines (or sections of line) that are designated.</p>	<p>No poles.</p> <ul style="list-style-type: none"> CST-SFD-A 110kv double-circuit towers MNI-DEV-A 110kv double-circuit towers NPL-SFD-A 220kv double-circuit towers HUI-MNI-A 110kv single-circuit towers CST-NPL-A 110kv double-circuit towers CST-HUI-A 110kv double-circuit towers JRD-TEE-A 110kv single-circuit pi-poles
South Taranaki	<p>NATIONAL GRID YARD: (shown in red in diagram below) means the area located 12 metres in any direction from the outer edge of a National Grid support STRUCTURE; and the area located 12 metres either side of the centreline of any overhead National Grid line on pi poles or towers.</p>	<p>No poles</p> <ul style="list-style-type: none"> OPK-SFD-A 110kv double-circuit towers BRK-SFD-B 220kv single-circuit towers WGN-SFD-A 110kv single-circuit pi-poles BRK-SFD-A 220kv double-circuit towers

Stratford	n/a	
Manawatu Region		
Ruapehu District	n/a	
Rangitikei District	<i>B1.13 Activities within 12 metres of the outer edge of a National Grid support structure or 12 metres of the centre line of a National Grid transmission line.</i>	<p>No poles.</p> <ul style="list-style-type: none"> • BPE-WGN-B 110kv double-circuit towers • BRK-BPE-A 220kv double-circuit towers • BPE-ONG-A 110kv single-circuit towers
Whanganui District	<p><i>National Grid Yard:</i></p> <p><i>a. the area located 12 metres in any direction from the outer edge of a National Grid support structure; and</i></p> <p><i>b. the area located 12 metres either side of the centreline of any overhead National Grid line.</i></p>	<p>Yes, but only in urban area.</p> <ul style="list-style-type: none"> • WGN-SFD-A 110kv single-circuit pi-poles and double-circuit towers. Single poles in urban area only. • BRK-BPE-A 220kv double-circuit towers • BRK-SFD-A 220kv double-circuit towers • BRK-SFD-B 220kv single-circuit towers
Manawatu District	<p>NATIONAL GRID YARD means:</p> <p>a. The area located 12m in any direction from the outer edge of a National Grid support structure; and</p> <p>b. The area located 10m either side of the centreline of an overhead 110kv National Grid line on single poles; or</p> <p>c. The area located 12m either side of the centreline of any overhead National Grid line on towers. [PC55]</p>	<p>Yes. BPE-MHO-A and B.</p> <ul style="list-style-type: none"> • BPE-WDV-B 110kv double-circuit towers • BPE-WRK-A 220kv single-circuit towers • BPE-WKM-A 220kv single-circuit towers • BPE-WKM-B 220kv single-circuit towers • BPE-ONG-A 110kv single-circuit towers • BPE-WGN-B 110kv double-circuit towers • BRK-BPE-A 220kv double-circuit towers • BPE-HAY-A 220kv single-circuit towers • BPE-HAY-B 220kv single-circuit towers • BPE-MHO-A 110kv single-circuit poles • BPE-MHO-B 110kv single-circuit poles

Horowhenua	<p><i>National Grid Corridor means a corridor either side of the assets used or owned by Transpower NZ Limited as part of the National Grid. The measurement of setback distances from National Grid electricity lines shall be taken from the centre line of the electricity transmission line and the outer edge of any support structure. The centre line at any point is a straight line between the centre points of the two support structures at each end of the span as depicted on the diagram below.</i></p> <p><i>(a) No building or sensitive activity shall be located closer than:</i></p> <p><i>(i) 10 metres either side of the centreline of any high voltage (110kV) transmission line shown on the Planning Maps.</i></p> <p><i>(ii) 12 metres either side of the centreline of any high voltage (220kV or more) transmission line shown on the Planning Maps.</i></p> <p><i>(iii) 12 meters from the outer edge of any support structure of any high voltage transmission line shown on the Planning Maps.</i></p>	<p>Yes, BPE-MHO-A and B.</p> <ul style="list-style-type: none"> • BPE-WIL-A 220kv double-circuit towers • BPE-HAY-A 220kv double-circuit towers • BPE-HAY-B 220kv double-circuit towers • BPE-MHO-A 110kv single-circuit poles • BPE-MHO-B 110kv single-circuit poles <p>Note: Federated Farmers sought setbacks be consistent with NZECP34, however we did not appeal because we were mostly satisfied with the District Plan decision as a whole.</p>
Tararua	n/a	<p>Yes</p> <ul style="list-style-type: none"> • FHL-WDV-A 110kv single-circuit poles • FHL-WDV-B 110kv single-circuit poles • BPE-WDV-B 110kv double-circuit towers • MGM-WDV-A 110kv single-circuit poles
Wellington Region		

Kapiti Coast District	<p><i>National Grid Yard means</i></p> <ol style="list-style-type: none"> 1. <i>the area located 12 metres in any direction from the outer edge of a electricity transmission National Grid support structure foundation and;</i> 2. <i>the area located 12 metres either side of the centreline of an overhead National Grid line on towers.</i> 	<p>No poles.</p> <ul style="list-style-type: none"> • BPE-WIL-A 220kv double-circuit towers • BPE-HAY-A 220kv single-circuit towers • BPE-HAY-B 220kv single-circuit towers • PRM-TEE-A 220kv single-circuit pi-poles • PRM-TEE-B 220kv single-circuit pi-poles
Masterton District	n/a	<p>Yes.</p> <ul style="list-style-type: none"> • MGM-MST-A 110kv single-circuit poles
Carterton District		
South Wairarapa District		