Waikato District s32 National Grid Corridors Topic

Assessment Framework

22 June 2018 – Final

m.e consulting



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Assessment Framework

Prepared for

Waikato District Council

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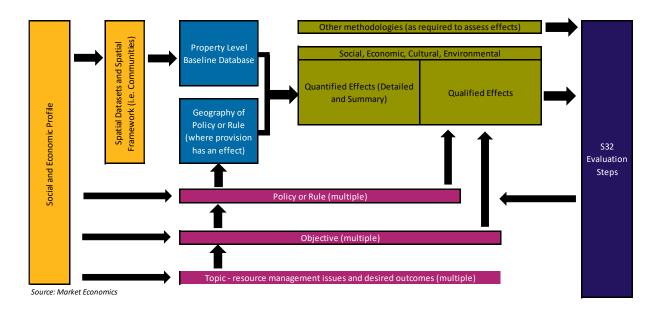


1 Introduction

This Assessment Framework report supports Waikato District's s32 evaluation of short listed options to achieve the objectives of the **National Grid Corridors Topic**. It should be considered in conjunction with the Waikato District Social and Economic Profile Report, any consultant reports commissioned for the Topic, and any other Council documents, data, or monitoring results that may be relevant to the resource management issues being addressed by the proposed District Plan.

1.1 Approach Overview

Figure 1.1 sets out M.E's recommended path for Waikato District Council's analysis and evaluation of provisions (referred to as the 'Assessment Framework'). The contents of this report are designed to integrate with (i.e. inform directly or indirectly) Council's s32 templates and reporting structures for each topic. It is recommended that this report be included as an appendix to the Part 3 s32 Topic report.





Key components of this Assessment Framework report draw directly from the Waikato District **Baseline Database** in the form of a set of pre-defined raw data tables (Figure 1.1). These outputs are specific to each provision (or bundle of provisions). This is achieved by applying the defined geography of each provision (GIS Map showing areas where a policy/rule has an effect "on the ground"). That is, which properties, zones or locations the provisions apply to. These raw tables have been analysed and summarised for the purpose of this report and are discussed further below.



1.2 Scope and Structure

This report examines Council's **preferred option** for provisions that give effect to the objectives that address **National Grid Corridors** (and the resource management issues associated with that). The objectives have already been evaluated by Waikato District Council and are considered appropriate to achieve the purpose of the Act.

The purpose of this report is to identify the effects, costs and benefits of the preferred provisions. For clarity, the effects identified are <u>not</u> drafted relative to any other short-listed option, including the status quo - they are not 'net' effects, costs and benefits.

Section 2 of this report contains copies/extracts (up to date as at the time of writing) of the <u>objectives</u>, <u>policies and rules</u> identified as relevant to this report by Council, and/or by M.E. While all objectives and policies are included, M.E has focussed on identifying the main (obvious and key) rules that relate to the polices. It is possible that not all relevant rules have been included. The exclusion of any (more minor) rules is unlikely to have a material impact on the assessment of effects, costs and benefits contained in this report. However, subsequent changes to the wording or intent of policies and rules for this topic (after the publication date) *could* have a material impact on the assessment of effects, costs and benefits. M.E's assessment is therefore limited to the information provided by Council at the time and contained within this report.

Section 2 identifies the bundling of objectives, policies and rules for this assessment (if applicable to this topic). Bundling is used to group provisions that have the same 'geography'. Appendices to this report contain a set of data analysis tables – each bundle of provisions forms a separate appendix (set of tables). Maps are included in Section 2 to show the geography of each bundle of provisions. The data in the appendices relates to the areas covered in each map.

Section 3 contains M.E's assessment of direct effects, consequent effects, costs and benefits - organised in tabular form. To avoid potential for duplication/overlap, a single assessment is provided that covers all bundles of provisions (if applicable) – that is, the assessment covers the total topic. Where applicable, data/figures from the appended sets of tables are referenced to help quantify effects. All the data contained in this report is based on a 2016 base year and/or relates to a property database (and valuations) as at July 2017. Refer to caveats or footnotes included below the tables – it is important that these are considered and understood when using the results contained in this report.

1.3 Key Reference Tables Appended

There is considerable detail provided in the appended data tables. The same set of tables is provided for each bundle of provisions (if applicable). Some tables are more relevant to this topic than others. The following tables/data variables are considered most pertinent to the evaluation of these provisions:

- LINZ Land Use Detailed Summary
- Proposed District Plan Zone Summary
- High Class Soils by Community Summary



- Natural Areas by Community Summary
- Community Property Summary
- Maaori Properties by Community Summary
- Heritage and Trees by Community Summary
- Other Property Categories by Community Summary

M.E also identified the following document, which provides a helpful summary of economic costs and benefits associated with District Plan responses to managing the national grid corridor. <u>"ASSESSMENT OF THE ECONOMIC BENEFITS AND COSTS OF USING TRANSPOWER'S PROPOSED APPROACH TO IMPLEMENTING POLICIES 10 AND 11 OF THE NATIONAL POLICY STATEMENT ON ELECTRICITY TRANSMISSION IN DISTRICT AND CITY PLANS, Copeland, M. June 2013 (for Transpower).</u>

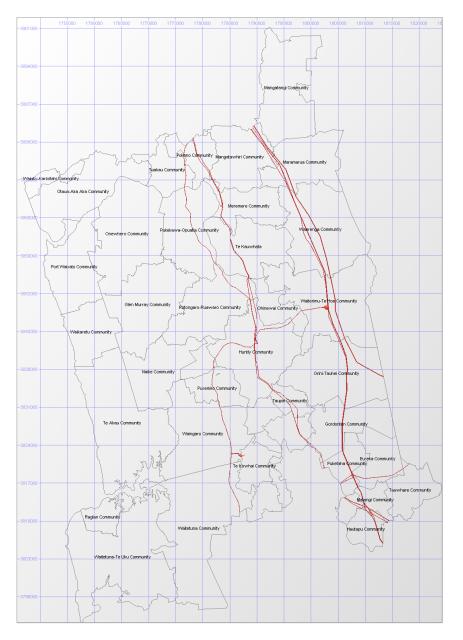


2 Objectives, Policies and Rules

2.1 Places Directly Affected – Geography of Provisions

The provisions in this topic apply to a **single geography**, hence all policies and rules have been bundled together for the purpose of this assessment.

The following map is a representation of the geography of the preferred option (as used to run the Baseline Database for this report) – that is, where it has effect on the ground. Based on the approach taken, this option has a direct effect on 'many localised areas'. Note, this map should not be relied upon for understanding this policy for specific properties within the District.







2.2 Objectives and Policies

2.2.1 Infrastructure Objectives and Policies

6.1.1 Objective – Development, Operation and Maintenance of Infrastructure – (a) Infrastructure is developed, operated and maintained to benefit the social, economic, cultural and environmental well-being of the district.

6.1.2 Policy - Development, Operation and Maintenance

(a) Provide for the development, operation, maintenance, repair, replacement, upgrading and removal of infrastructure throughout the district by recognising:

- (i) Functional and operational needs;
- (ii) Location, route and design needs and constraints;
- (iii) Locational constraints related to the need to access suitable resources or site;
- (iv) The benefits of infrastructure to people and communities;
- (v) The need to quickly restore disrupted services; and
- (vi) Its role in servicing existing consented and planned development.
- 6.1.4 Policy Infrastructure Benefits
 - (a) Have regard to the benefits that infrastructure provides, including:
 - (i) Enabling enhancement of the quality of life and residential standard for people and communities;
 - (ii) Providing for public health and safety;
 - (iii) Enabling the functioning of business and growth and development;
 - (iv) Managing adverse effects on the environment;
 - (v) Enabling the transportation of freight, goods and people;
 - (vi) Enabling interaction and communication; and
 - (vii) Providing for lifeline utility services.

6.5.1 Objective – Land transport network (a) An integrated land transport network where:

(i) All transport modes are accessible, safe and efficient; and

(ii) Adverse effects from the construction, maintenance and operation of the transport network are managed.



6.5.6 Policy – Network Utility Location

(a) Encourage the location of network utility infrastructure within transport corridors where the function, safety and efficiency of the transport network will not be compromised.

6.1.6 Objective – Reverse Sensitivity – (a) Infrastructure is protected from reverse sensitivity effects, and infrastructure (including the National Grid) is not compromised.

6.1.7 Policy – Reverse Sensitivity and Infrastructure

(a) Avoid reverse sensitivity effects on infrastructure from subdivision, use and development as far as reasonably practicable, so that the ongoing and efficient operation of infrastructure is not compromised.

6.1.8 Objective – Infrastructure in the Community and Identified Areas – (a) Infrastructure takes into account the qualities and characteristics of surrounding environments and community well-being.

6.1.9 Policy - Environmental effects, community health, safety and amenity

(a) Require the development, operation, maintenance, repair, replacement, upgrading and removal of infrastructure and its associated structures to avoid, remedy or mitigate adverse effects on the environment, community health, safety and amenity.

6.1.10 Policy – Infrastructure in identified areas

(a) Ensure consideration of the values, qualities and characteristics of Significant Natural Areas, Landscape and Natural Character Areas and Heritage Items when proposing new infrastructure or undertaking significant upgrades to existing infrastructure.

6.1.11 Policy – Undergrounding new infrastructure

(a)Encourage new infrastructure to be placed underground unless:

(i)The adverse effects on the environment are greater than placing the infrastructure above ground;

(ii)A natural or physical feature or structure renders underground placement impractical or undesirable; or

(iii)There are significant operational, functional, technical, cultural or economic reasons that require the infrastructure to be above ground.

6.1.12 Policy – Co-location of compatible facilities

(a) Encourage compatible infrastructure to share location or facilities where operational advantages can be achieved or adverse effects are reduced.

6.1.14 Policy – Electromagnetic and Radio Frequency Fields



(a) Require infrastructure that generates electromagnetic or radio frequency fields to comply with the International Commission on Non-ionising Radiation Protection Guidelines, relevant WHO guidelines and the relevant New Zealand Standard.

6.2.1 Objective – National Grid – (a) The national significance of the National Grid is recognised and protected.

6.2.2 Policy – Recognise the National Grid

(a) Recognise the operational, functional and technical constraints of the National Grid, and the interconnectedness of networks.

6.2.3 Policy – Operation and Development of the National Grid

(a) Provide for the operation, upgrading and development of the National Grid.

6.2.4 Policy – Maintenance and Minor Upgrade the National Grid

(a) Enable the repair, maintenance, replacement and minor upgrade of the National Grid.

6.2.5 Policy – Environmental Effects

(a) Manage the environmental effects of the development or upgrades (other than minor upgrades) of the National Grid, by:

- (i) Recognising the national, regional and local benefits of sustainable, secure and efficient electricity transmission;
- (ii) Avoiding, remedying or mitigating adverse effects through consideration of route, site and method selection;
- (iii) Reducing the existing adverse effects as part of any substantial upgrade;
- (iv) Considering the effects on urban amenity (including town centres), areas of high recreational or amenity value and existing sensitive land uses; and
- (v) Addressing the adverse effects on any heritage values, outstanding natural landscapes, areas of high natural character, town centres, areas of high recreation value and existing sensitive activities including the avoidance of adverse effects where practicable.

6.2.6 Policy – Reverse Sensitivity and the National Grid

(a) Manage subdivision, use and development so that the operation, maintenance, upgrading and development of the National Grid is not compromised by ensuring that:

 The National Grid is identified on the planning maps and the National Grid Yard and National Grid Corridor establish buffer distances for managing land use development and subdivision near the National Grid;



- Sensitive land uses and buildings and structures that may compromise the National Grid, including intensive farming activities, are excluded from establishing within the National Grid Yard;
- (iii) Subdivision is managed within the National Grid Corridor to avoid subsequent land use from compromising the operation, maintenance, upgrading and development of the National Grid; and
- (iv) Changes to existing activities within a National Grid Yard do not further restrict the operation, maintenance, upgrading and development of the National Grid.

2.2.2 Urban Subdivision Objectives and Policies

4.7.1 Objective – Subdivision and Land Use Integration - (a) Subdivision layout and design facilitates the land use outcomes sought for the residential, business, industrial, reserve and specific purpose zones.

4.7.11 Policy – Reverse sensitivity

- (a) Development and subdivision design minimises reverse sensitivity effects on adjacent sites, adjacent activities, or the wider environment; and
- (b) Avoid potential reverse sensitivity effects of locating new dwellings in the vicinity of an intensive farming, extraction industry or industrial activity.

2.2.3 Rural Character and Amenity Objectives and Policies

5.3.1 Objective - Rural Character and Amenity - (a) Rural character and amenity is maintained.

5.3.8 Policy - Effects on Rural Character and amenity from rural subdivision

(f) Subdivision, use and development ensures the effects on public infrastructure are minimised.

2.2.4 Country Living Zone Objectives and Policies

5.6.1 Objective – Country Living Zone - (a) Subdivision, use and development in the Country Living Zone maintains or enhances the character and amenity values of the zone.

5.6.3 Policy – Subdivision within the Country Living Zone

- (a) Subdivision, building and development within the Country Living Zone ensures that:
 - (iv) existing infrastructure is not compromised;



2.3 Rules

2.3.1 Chapter 14: Infrastructure and Energy

M.E has identified the General Infrastructure rules (selected) and National Grid Corridor rules (all) as relevant to the provisions identified above.

14.2 General Infrastructure

	Activity	Residential Zone and Village Zone	Business Zone, Business Town Centre Zone and Te Kowhai Airpark Zone	Industrial Zone, Heavy Industrial Zone and Motorsport and Recreation Zone	Rural Zone	Countr y Living Zone	Reserv e Zone	Road, Unforme d Road	Special Identifie d Areas
Genera	al								
AI	The operation, maintenance, repair, replacement and removal of existing infrastructure	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ
A2	Minor upgrading of existing infrastructure	Ρ	Ρ	Р	Ρ	Р	Р	Ρ	Р
A3	Temporary infrastructure (for up to a period of 12 months)	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ
A4	Service connections	Ρ	Р	Р	Р	Ρ	Ρ	Р	Р
A5	Minor infrastructure structure	Ρ	Ρ	Р	Ρ	Ρ	Ρ	Ρ	Ρ
A6	Earthworks activities associated with infrastructure	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ
A7	Trimming, maintenance or removal of vegetation or trees associated with infrastructure	Р	Ρ	Ρ	Ρ	Ρ	Р	Ρ	Ρ
A8	Pipe and cable bridge structures for the conveyance of electricity, telecommunications, water, wastewater, stormwater and gas	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	RD
A9	Electric vehicle charging stations	Ρ	Ρ	Ρ	Р	Р	Ρ	Р	RD
A10	Closed-circuit television (CCTV) systems attached to existing buildings and structures	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ

AU	Activities and permanent structures or facilities within road not covered within this chapter as road network activities	N/A	N/A	N/A	N/A	N/A	N/A	RD	N/A
A12	Subdivision to accommodate infrastructure	С	С	С	с	С	С	С	с
A13	Any activity that does not comply with the electric and magnetic field emissions standard ⁺¹	NC	NC	NC	NC	NC	NC	NC	NC
AI4	Any activity that does not comply with Radio Frequency (RF fields) standard+2	NC	NC	NC	NC	NC	NC	NC	NC
A15	Infrastructure not listed within these activity tables	D	D	D	D	D	D	D	NC
A16	Signage associated with infrastructure required for health and safety or asset identification purposes and/or required by legislation	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ
A17	Service connections for subdivision	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ	Ρ



14.3 National grid

	Activity	Residen tial Zone, Rangitah i Peninsul a Zone, and Village Zone	Busine ss Zone, Busine ss Town Centre Zone, Tamah ere Busine ss Zone and Te Kowha i Airpar k Zone	Industrial Zone, Heavy Industrial Zone and Motor Sport and Recreation Zone	Rural Zone	Country Living Zone	Reserve Zone	Road, Un- formed Road	Special Identified Areas
Natio	onal Grid		1		1				
BI	Below ground transmission lines associated with the National Grid	RD	RD	RD	RD	RD	RD	RD	D
B2	New above- ground transmission lines associated with the National Grid	D	D	D	D	D	D	D	NC
Β3	Transformers, substations and switching stations associated with the National Grid	RD	RD	RD	RD	RD	RD	RD	NC

Permitted Activity

14.2.1 All Infrastructure – Permitted Activities

PI – New Infrastructure	14.2.1.1
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	 Any new infrastructure activity and associated structures listed as a permitted activity within Chapter 14 must meet all of the following conditions: (a) Not exceed 10m² in area above-ground; (b) Not exceed 2.5m in height; (c) Comply with the height in relation to boundary limits for the zone in which it is located; (d) Comply with the height in relation to boundary limits for the adjoining zone, if located in road or unformed road; (e) Not exceed the relevant noise limits that are applicable to that zone, when measured at the nearest boundary of the site; (f) Any other relevant conditions applying to that activity listed within Rules 14.3–14.12. (2) The conditions in Rule 14.2.1.1(1) do not apply to: (a) Activities with specific conditions relating to area, height, location and noise listed elsewhere within Rules 14.3–14.12; (b) Roads or other lineal transport networks; (c) Road network activities, which include lighting and signage structures; and (d) Activities subject to National Environmental Standards Telecommunication Facilities 2016.
P3 - Any activity emitting electric and magnetic fields	 14.2.1.3 Compliance with the International Commission on Non-ionising Radiation Protection Guidelines for limiting exposure to time varying electric and magnetic fields (1Hz – 100kHz) (Health Physics, 2010, 99(6); 818-836) and recommendations from the World Health Organisation monograph Environmental Health Criteria (No 238, June 2007).
P4 - Any activity emitting radio frequency fields	 14.2.1.4 Radio frequency fields must not exceed the maximum exposure level of the general public in the New Zealand Standard for Radiofrequency Fields Part 1: Maximum Exposure Levels 3 kHz to 300GHz (NZS 2772.1: 1999) measured at all places reasonably accessible to the general public.

14.3.1.1 Minor upgrading of existing infrastructure

P2	(1) The realignment, configuration, relocation or replacement of infrastructure and associated structures that:
	 (a) Are within 5m of the existing alignment or location; (b) Do not increase the height of any existing pole or support structure by more than 15%;
	 (c) Do not increase the diameter (width) of any existing pole or support structure by more than 50%;
	 (d) Do not increase the diameter of any existing above-ground pipe by more than 15%; and
	(e) Do not increase the area of any other existing above-ground structure by more than 15%.

(2) <u>Alterations</u> and additions to overhead electricity and telecommunication lines on existing poles or support structures:
(a) The <u>addition</u> of conductors to form a twinned or duplex-pairing;
(b) The reconductoring of the line with higher capacity conductors;
(c) The resagging of conductors;
(d) The <u>addition</u> of longer, more efficient insulators;
(e) The addition of earth wires (which may contain telecommunication
lines), earthpeaks and lightning rods;
(f) The addition, replacement or relocation of transformers;
(g) The addition, replacement or relocation of circuits and conductors;
(h) The addition or replacement of telecommunication lines and fittings;
 (i) The replacement of existing crossarms with crossarms of an alternative design;
(j) The increase in voltage of electric lines up to 110kV; and
(k) The installation of new mid-span electricity poles in existing networks to address clearances in New Zealand Electrical Code of Practice for Electrical Safe Distances 34:2001 ISSN 0114-0663 (NZECP34:2001).

14.3.1.3 Earthworks associated with infrastructure

P4	(I)Any <u>earthworks</u> associated with <u>infrastructure</u> must comply with all of the
	following conditions:
	(a)Do not exceed a volume of more than 2,500m ³ for any single
	activity;
	(b)Do not exceed an area of more than 2,500m ² for any single activity; (c)Within 10m of a watercourse or 20m of Mean High Water
	Springs do not exceed a volume of more than 5m ³ and an area of more than 5m ² for any single activity;
	(d)Erosion and sediment controls are implemented and maintained to retain sediment on the <u>site</u> of the <u>earthworks</u> activity;
	(e)All fill material used must be <u>cleanfill</u> ;
	(f)Areas exposed by <u>earthworks</u> activities are to be recontoured and replanted within 6 months of the commencement of
	the <u>earthworks;</u>
	(g) <u>Earthworks</u> shall not obstruct or divert any stormwater overland
	flow path or result in changed stormwater drainage patterns on another <u>site;</u>
	(h) Earthworks are not located within any Historic Heritage sites
	identified within Appendix 30.1.
	(2) Rule 14.3.1.3(1)(f) does not apply to <u>earthworks</u> required to establish a foundation or surface that will ultimately be sealed or constructed upon.
	(3) Earthworks associated with infrastructure in Landscape and Natural Character Areas must not:
	(a)Exceed 1.5m in height in relation to the cut or fill batter face; and
	(b)Use imported soil, other than the placement of aggregate/metal on any access track or in association with laying underground infrastructure; and

 (c)Disturb or move more than 50m³ or exceed an area of 250m² in a Significant Amenity Landscape sand dune over any consecutive 12 month time period; and (d)Disturb or move more than 50m³ or exceed an area of 250m² in a High or Outstanding Natural Character area of the coastal environment over any consecutive 12 month time period; and
any consecutive 12 month time period; and (e)Disturb or move more than 50m ³ or exceed an area of 250m ² in an Outstanding Natural Feature or Outstanding Natural Landscapes over any consecutive 12 month time period.

14.3.1.4 Trimming, maintenance or removal of vegetation or trees associated with infrastructure

Ρ5	 (1)Any trimming, maintenance or removal of vegetation or trees associated with <u>infrastructure</u> that meet all of the following conditions: (a)No tree identified in Schedule 30.2 is removed; (b)Any required trimming of a tree identified in Schedule 30.2 is either: (i)To remove dead, dying, or diseased branches and the tree work is
	undertaken by a <u>works arborist</u> ; or (ii)The maximum branch diameter does not exceed 50mm at severance and no more than 10% of live foliage growth is removed over any consecutive 12 month time period. Note: Trees in and around electrical assets are required to be in accordance with the Electricity (Hazards from Trees) Regulations 2003.

14.4.1.1 Buildings, structures and sensitive land uses within the National Grid Yard in existing Residential or Village Zones as of 18 July 2018

PI	14.4.1.1
	(I)Within the National Grid Yard in the Residential or Village Zone:
	(a) <u>Building</u> alterations and additions to an existing <u>building</u> or structure
	for a <u>sensitive land use</u> that does not involve an increase in the
	building <u>height</u> or footprint;
	(b)New <u>buildings</u> and structures that are not for a sensitive land use;
	(c) <u>Infrastructure</u> (other than for the reticulation and storage of water
	for irrigation purposes) undertaken by a <u>network utility</u>
	operator as defined in the Resource Management Act 1991.
	(2)All buildings or structures permitted by Rule 14.4.1.1(1) must:
	(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 conditions;
	(b)Locate a minimum of 12m from the outer visible foundation of
	any National Grid tower and a minimum 12m from any pole
	and associated stay wire, unless it is one of the following:
	i.A <u>building</u> 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
	34:2001 ISSN 0114-0663;

(c)The maximum <u>height</u> of fences are 2.5m within 5m from the nearest National Grid Pole or 6m from the nearest National Grid Tower.

14.4.1.2 Buildings, structures and sensitive land use within the National Grid Yard in all other zones as of 18 July 2018

P2	14412
P2	14.4.1.2 (1))A/(this the Netional Crid Yand in the Business Inductival Country Living
	(1) Within the National Grid Yard in the Business, Industrial, Country Living,
	Heavy Industrial, Rural, Town Centre Business, Hampton Downs
	Motorsport and Recreation, Tamahere Business, Te Kowhai Airpark,
	or Reserves Zone:
	(a) <u>Building</u> alterations and additions to an existing <u>building</u> or structure that
	does not involve an increase in the <u>building</u> height or footprint; or
	(b) <u>Infrastructure</u> (other than for the reticulation and storage of water for
	irrigation purposes) undertaken by a <u>network utility operator</u> as
	defined in the Resource Management Act 1991; or
	(c)Non-habitable <u>buildings</u> or structures for farming activities in rural zones
	(but not including any intensive farming buildings, commercial
	greenhouses and milking/dairy sheds); or
	(d)Yards for milking/dairy sheds; or
	(e)Artificial crop protection and support structures.
	(2)All buildings or structures permitted by Rule 14.4.1.2(1) must:
	(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 conditions; and
	(b)Locate a minimum 12m from the outer visible foundation of any National
	Grid tower and locate a minimum 12m from any pole and associated
	stay wire, unless it is:
	i.A <u>building</u> 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 34:2001 ISSN 0114-0663; or
	ii.Fences; or
	iii.Artificial crop protection.
	(3)The maximum <u>height</u> of fences are 2.5m within 5m from the nearest
	National Grid Pole or 6m from the nearest National Gridtower.
	(4)Artificial crop protection and support structures between 8m and 12m
	from a single pole support structure and any associated guy wire (but
	not tower) must:
	(a)Meet the requirements of the New Zealand Electrical Code of Practice for
	Electrical Safe Distances 34:2001 ISSN 0114-0663 for separation
	distances from the conductor;
	(b)Be maximum 2.5m high;
	(c)Be 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.

14.4.1.3 Earthworks activities within the National Grid Yard

P3	14.4.1.3
	(1) <u>Earthworks</u> for National Grid support poles and any stay wires that
	comply with the following conditions:
	(a)Do not exceed a depth of 300mm within 2.2m of the pole or stay wire;
	and
	(b)Do not exceed a depth of 750mm between 2.2m and 5m of the pole or stay wire.
	(2) <u>Earthworks</u> for National Grid support towers (including any tubular steel tower that replaces a steel lattice tower) that comply with all of the following conditions:
	(a)Do not exceed 300m depth within 6m of the outer edge of the visible foundation of the tower;
	(b)Do not exceed 3m between 6m and 12m of the outer edge of the visible foundation of the tower;
	(c)Do not compromise the stability of a National Grid support structure;
	(d)Do not result in the loss of access to any National Grid support structure; and
	(e)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.
	(3)The following <u>earthworks</u> activities are exempt from Rules 14.4.1.3(1) and (2):
	(a) <u>Earthworks</u> that are undertaken by a <u>network utility operator</u> (other than for the reticulation and storage of water for irrigation purposes) as defined by the Resource Management Act 1991;
	 (b)<u>Earthworks</u> undertaken as part of agricultural or domestic cultivation, or repair, sealing or resealing of a road, footpath, driveway or farm track; (c)Vertical holes not exceeding 500mm in diameter that:
	i.are more than 1.5m from the outer edge of the pole support structure or stay wire, or
	ii.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;
	(d) <u>Earthworks</u> 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.

Restricted Discretionary Activity

14.2.2 New infrastructure

RDI - Any activity that does not comply with 14.2.1.1	 Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the <u>infrastructure</u>; (b) Visual, landscape, streetscape and amenity effects; (c) Noise levels.
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14.3.3 Minor upgrading of existing infrastructure

RDI Minor upgrading	Discretion is restricted to:
of existing infrastructure that does not comply with one or more of the conditions of Rule 14.3.1.1 which are relevant to the activity proposed	 i.The functional and operational needs of, and benefits derived from, the infrastructure; ii.Visual, streetscape and amenity effects; iii.Road network safety and efficiency; iv.Management of sediment and dust, including the staging of works; v.The volume, extent and depth of the <u>earthworks</u> activities; vi.The location of the <u>earthworks</u> activities, taking into account any effects on the values, qualities and characteristics of the <u>site</u>; vii.Any flood or land stability risks; viii.Visual, landscape and amenity effects; ix.Whether alternative methodologies avoiding the need to affect any tree identified in Schedule 30.2 have been adequately considered.

14.3.3 Earthworks associated with infrastructure

RD2 <u>Earthworks</u> associate d with infrastructure that do not comply with one or more of the conditions of Rule 14.3.1.3	 Discretion is restricted to: (a) Management of sediment and dust, including the staging of works; (b) The volume, extent and depth of the earthworks activities; (c) The location of the earthworks activities, taking into account any effects on the values, qualities and characteristics of the site; (d) Any flood or land stability risks; and (e) Visual, landscape and amenity effects.
---	--

14.3.3 Trimming, maintenance or removal of vegetation or trees associated with infrastructure

RD3 Trimming, maintenance or removal of vegetation or trees that does not comply with one or more of the conditions of Rule 14.3.1.4	identified in Schedule 30.2; (c)Whether alternative methodologies avoiding the need to affect the tree(s)/vegetation have been adequately considered.
---	---

14.4.2 Restricted discretionary activities

RDI	14.4.2.1
Below ground	Discretion is restricted to:
transmission lines	(a)The functional and operational needs of, and benefits derived from, the
associated with	infrastructure;
the National	(b)Visual, streetscape and amenity effects;

Grid not located within identified areas	(c)The risk of electrical hazards affecting public or individual safety, and risk of property damage.
RD2 Transformers, substations and switching stations associated with the National Grid not located within <u>Identified</u> <u>Area</u> s	 14.4.2.2 Discretion is restricted to: (a) The functional and operational needs of, and benefits derived from, the infrastructure; (b) Visual, streetscape and amenity effects; (c) The risk of electrical hazards affecting public or individual safety, and risk of property damage.
RD3 <u>Earthworks</u> withi n the National Grid Yard that do not comply with one or more of the conditions of Rules 14.4.1.3(1) and 14.4.1.3(2	 14.4.2.3 Discretion is restricted to: (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.
RD4	 The <u>subdivision</u> of land in any zone within the National Grid Corridor that complies with all of the following conditions: (a)All <u>allotment</u> intended to contain a <u>sensitive land use</u> must provide a <u>building platform</u> for the likely principal building(s) and any building(s) for a <u>sensitive land use</u> to be located outside of the National Grid Yard, other than where the <u>allotment</u> are for roads, access ways or <u>infrastructure</u>; or (b)The layout of <u>allotments</u> and any enabling <u>earthworks</u> must ensure that physical access is maintained to any National Grid support structures located on the <u>allotment</u>, including any balance area. Discretion is restricted to: (a)The <u>subdivision</u> layout and design in regard to how this may impact on the operation, maintenance, upgrading and development of the National Grid Yard; (b)The ability to provide a complying <u>building platform</u> outside of the National Grid Yard; (c)The risk of electrical hazards affecting public or individual safety, and the risk of property damage; (d)The nature and location of any vegetation to be planted in the vicinity of National Grid transmission lines.

4

Non-complying Activity

14.4.4 Non-Complying Activities (National Grids)

NC1 - Above-ground transmission lines associated with the National Grid located within identified areas

NC2 - Transformers, substations and switching stations associated with the National Grid located within identified areas identified areas

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

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 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

3 Evaluation of Effects, Costs, Benefits

3.1 Direct Processes (Effects)



Effect	Probability	Timing	Frequency	Permanence	Comments (incl. rationale to scoring)
Economic Effects					
When development has been planned and consented, the requirement for infrastructure is recognised.	High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.2 Policy – Development, Operation and Maintenance. Wa and with that comes a constant need to provide for localised a frequency of this effect reflects the rapid growth of this distr the pressure to provide new and upgraded infrastructure ma
Infrastructure has functional and operational requirements that will be provided for.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	Rules – 14.2 General (Infrastructure and Energy), A12, A17 (P 6.1.2 Policy – Development, Operation and Maintenance. Rules – 14.2 General (Infrastructure and Energy), A1-A8 (Perr Rule 14.4.2. RD1 and RD2 Rule - 14.2.2 RD1
The need to repair, maintain, upgrade, replace and develop infrastructure is provided for, including the National Grid.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	 6.1.2 Policy – Development, Operation and Maintenance. 6.2.3 Policy – Operation and Development of the National Gr 6.2.4 Policy – Maintenance and Minor Upgrade of National G Rules – 14.2 General (Infrastructure and Energy), A1-A8 (Perr Rule 14.3.1 P1 and P2
There are constraints as to where infrastructure can and cannot be located and this will be recognised.	High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.2 Policy – Development, Operation and Maintenance.
It is recognised that accessibility to infrastructure is a functional requirement.	High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.2 Policy – Development, Operation and Maintenance. Rule 14.4.2 RD3
The infrastructure needs of businesses are recognised and provided for.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.4 Policy – Infrastructure Benefits
Network infrastructure will locate in transport corridors when appropriate resulting in greater land use efficiencies.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.5.6 Policy – Network Utility Location
Once established, infrastructure is protected from reverse sensitivity effects from neighbouring development and land use.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.7 Policy – Reverse Sensitivity and Infrastructure Rule 14.4.1 P1 Rule 14.4.1 P2
Subdivision and development will not compromise the efficient function and operation of infrastructure.	High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.7 Policy – Reverse Sensitivity and Infrastructure Rule 14.4.1 P1 Rule 14.4.1 P2
The operational, functional and technical constraints of the National Grid are recognised.	High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.2.2 Policy – Recognise the National Grid Rule 14.4.2. RD1 and RD2 Rule 14.2.2 RD1 Rule 14.3.3 RD1 Rule 14.4.2 RD3



Waikato District is a high growth district ed and district-wide infrastructure. The istrict (relative to other districts where may be small and infrequent).

(Permitted activities)

ermitted activities)

Grid I Grid

ermitted activities)

High	Immediate	Frequent / repeatable	Permanent cumulative	6.2.6 Policy – Reverse Sensitivity and the National Grid
			(ongoing/buil ding effect)	
High	Medium- Long Term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	 6.2.6 Policy – Reverse Sensitivity and the National Grid. 4.7.11 Policy a) – Avoid reverse sensitivity on adjacent zones a 5.3.8 Policy f) – Effects on Rural Character and amenity from resources a policy a) iv) – Subdivision in the Country Living Zone Rule 14.4.2 – subdivision within the national grid corridor – RD
High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	Rule 14.4.4 – NC10 6.2.6 Policy – Reverse Sensitivity and the National Grid 4.7.28 Policy a) – Avoid reverse sensitivity on adjacent zones a 5.3.8 Policy f) – Effects on Rural Character and amenity from ru 5.6.3 Policy a) iv) – Subdivision in the Country Living Zone Rule 14.4.1 P2 Rule 14.4.1 P3 Rule 14.4.1 – P2
High	Medium- Long Term	Occasional / sometimes.	Permanent cumulative (ongoing/buil ding effect)	Policy – Reverse Sensitivity and the National Grid 4.7.28 Policy a) – Avoid reverse sensitivity on adjacent zones a 5.3.8 Policy f) – Effects on Rural Character and amenity from ru 5.6.3 Policy a) iv) – Subdivision in the Country Living Zone Rule 14.4.1 P3 Rule 14.4.4 – Non Complying activity Rule 14.4.1 P2
			1	
High	Short term	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.2 Policy – Development, Operation and Maintenance.
High	Immediate	Frequent / repeatable	Permanent cumulative (ongoing/buil ding effect)	6.1.4 Policy – Infrastructure Benefits
Moderate	Medium to long term	Occasional / sometimes	Permanent cumulative (ongoing/buil ding effect)	6.1.9 Policy – Environmental Effects. M.E does not expect development could achieve this effect given the constraints of Rule 14.4.2. RD1 and RD2 Rule 14.2.2 RD1 Rule 14.3.3 RD1 Rule 14.3.3 RD2
	High High High High	High Immediate High Medium-Long Term High Short term High Immediate	High Immediate Frequent / repeatable High Medium-Long Term Occasional / sometimes. High Short term Frequent / repeatable High Immediate Frequent / repeatable High Short term Frequent / repeatable Moderate Medium to long term Occasional / sometimes.	HighImmediateFrequent / repeatablePermanent cumulative (ongoing/buil ding effect)HighMedium- Long TermOccasional / sometimes.Permanent cumulative (ongoing/buil ding effect)HighMedium- Long TermOccasional / sometimes.Permanent cumulative (ongoing/buil ding effect)HighMedium- Long TermOccasional / sometimes.Permanent cumulative (ongoing/buil ding effect)HighShort termFrequent / repeatablePermanent cumulative (ongoing/buil ding effect)HighImmediateFrequent / repeatablePermanent cumulative (ongoing/buil ding effect)HighImmediateFrequent / repeatablePermanent cumulative (ongoing/buil ding effect)ModerateMedium to long termOccasional / sometimesPermanent cumulative (ongoing/buil ding effect)

es and infrastructure m rural subdivision
- RD4
es and infrastructure m rural subdivision
es and infrastructure m rural subdivision
ect that all substantial upgrades and is of the National Grid.

Adverse environmental effects are minimised when network	High	Short term	Frequent /	Permanent	6.5.6 Policy – Network Utility Location.
infrastructure is located in transport corridors.			repeatable	cumulative	6.1.12 Policy – Co-location of compatible facilities Additional disturbance of the environment is minimis
				(ongoing/buil ding effect)	located/grouped.
				ungeneer	
The environmental effects of development and major upgrades	Moderate	Medium to	Occasional	Permanent	6.1.9 Policy – Environmental Effects.
of the National Grid will be managed, including through route,		long term	/	cumulative	6.1.11 Policy – Undergrounding new infrastructure.
site and method selection.			sometimes	(ongoing/buil	The timing of this effect is estimated only by M.E (and assume
				ding effect)	development are not imminent. It may be that such works ar
					probability is not considered high in light of the policies which
					as to where infrastructure can locate and this implies that the environment that cannot be avoided, remedied or mitigated.
					Rule 14.4.2 RD1 and RD2
					NES – ETA Regulations 2009 – also relevant in giving effect to p
					Rules 14.4.2 – National Grid (RD activities)
					Rules 14.4.3 – National Grid (D activities) Rules 14.4.4 – National Grid (Non Complying activities in Speci
					Rule 14.3.1.4 Trimming, maintenance or removal of veg
					infrastructure – permitted activity excludes notable trees.
					Rule 14.3.3 RD3
					Rule 14.2.2 RD1
	112.1				Rule 14.3.3 RD1
New above ground transmission lines associated with the National Grid, as well as transformers, substations and switching	High	Medium to long term	Occasional	Permanent cumulative	Rules 14.4.4 – NC1 and NC2
stations will not occur in areas with identified landscape and			, sometimes	(ongoing/buil	
natural character values.				ding effect)	
Below ground transmission lines associated with the National	Low	Medium to	Occasional	Permanent	Rules 14.4.3 – D1 – probability is low given that all potential ef
Grid can occur in areas with identified landscape and natural		long term	/	cumulative	
character values.			sometimes	(ongoing/buil ding effect)	Rule 14.3.3 RD2 earthworks in landscape and natural characte
Major upgrades of the National Grid improve environmental	Moderate	Medium to	Occasional	Permanent	6.1.9 Policy – Environmental Effects. M.E does not expect t
outcomes.		long term	/	cumulative	achieve this effect.
			sometimes	(ongoing/buil	
				ding effect)	Rules 14.4.2 – National Grid (RD activities) Rules 14.4.3 – National Grid (D activities)
Infrastructure, including the National Grid complies with official	High	Short term	Frequent /	Permanent	6.1.14 Policy – Electromagnetic and Radio Frequency Fields
guidelines and standards.	111511		repeatable	cumulative	
				(ongoing/buil	Rules – 14.2.3 NC1 and NC2
				ding effect)	Rule 14.2.1.2 – All Infrastructure (permitted)
					Rule 14.2.1.3 – All Infrastructure (permitted)
					Rule 14.2.1.4 – All Infrastructure (permitted)



imised when infrastructure is co-

sumes that major upgrades and further ks are planned for the short term). The hich indicate that there are constraints t there will sometimes be effects on the ted.

t to policy.

pecial Identified Areas) vegetation or trees associated with

al effects would need to be considered.

acter areas will help manage effects.

ect that all substantial upgrades could

Adverse effects on cultural values and heritage arising from	Low	Medium to	Occasional	Permanent	6.1.9 Policy – Environmental Effects.
major upgrades and development of the National Grid are managed.		long term	/ sometimes	1, 0, 0,	 6.1.11 (iii) – Undergrounding new infrastructure. M.E does not expect that all substantial upgrades and developm the constraints of the National Grid.
					Rules 14.4.2 – National Grid (RD activities) Rules 14.4.3 – National Grid (D activities) Rule 14.3.3 RD2 – note, no specific protection associated with e of significance.



lopment could achieve this effect given

th earthworks on Maori sites and areas

3.3 Consequent Processes (Effects)

Effect	Probability	Timing	Frequency	Permanence	Comments (incl. rationale to scoring)
Economic Effects				•	
The national grid can be accessed, repaired, maintained and	High	Short term	Frequent /	Permanent	
developed within Waikato District boundaries.			repeatable	cumulative	
				(ongoing/buil	
				ding effect)	
The national function and operation of the national grid will not	High	Short term	Frequent /	Permanent	
be adversely affected by inappropriate subdivision, use and			repeatable	cumulative	
development in Waikato District boundaries.				(ongoing/buil	
				ding effect)	
The wider economic benefits of a functioning national grid will	High	Short term	Frequent /	Permanent	
be maintained.			repeatable	cumulative	
				(ongoing/buil	
				ding effect)	
Social Effects			_	_	
The wider social benefits of a functioning national grid will be	High	Short term	Frequent /	Permanent	
maintained.			repeatable	cumulative	
				(ongoing/buil	
				ding effect)	
Biophysical/Environmental Effects			_	_	
Areas of defined landscape and natural character values will be	High	Long term	Frequent /	Permanent	
protected from any new above ground additions to the national			repeatable	cumulative	
grid.				(ongoing/buil	
				ding effect)	
Cultural Effects					

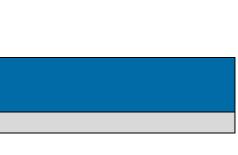


3.4 Nature of effect on places, people and communities, sectors (costs and benefits)



Costs	Certainty	Sufficiency	Consequence	Probability	Market or Non-Market Value	Comments/Notes
Economic Costs						





Sensitive development and land use on properties in the national grid corridor (and buffer/yard areas) is constrained (potential impacts on development opportunities and profitability).	High	High	Negligible- Meaningful depending on the property.	High	Market	No	It is estimated that 1,062 1,232ha) are intersected b buffer areas). The nation impacts on 3% of the distric less than 1% of total distric
							Land Use Type:
							43% (457) of directly impa These properties make up directly impacted by the c lifestyle properties, they ac 1% by area.
							15% (157) are residential p less than 1% of the total pro the corridor. As a share of they account for 1% by cou
							22% (229) are dairy farming up 60% of the total proper- corridor. As a share of to they account for 17% by co
							10% (109) are pasture and properties make up 21% of impacted by the corridor. A livestock farming propertie less than 1% by area.
							3% (28) are horticultural p 2% of the total property corridor. As a share of to they account for 9% by cou
							There are 46 Maaori free within (or overlapped by) and 1% respectively of the
							Zone Type:
							Of the total 1,062 properti grid corridor, 15% are in the Rural Zone, 7% are in the Vi Living Zone. 2% are in othe properties however, 95% i the Village Zone. There ar 10.7ha that are in the Hea the corridor. These 5 prop in the Heavy Industrial Zone

2 properties (covering a land area of by the national grid corridor (and its onal grid corridor therefore directly trict's freehold properties parcels and rict freehold land area.

pacted properties are Lifestyle blocks. p 11% of the total property land area corridor. As a share of total district account for 4% by count and less than

properties. These properties make up property land area directly impacted by of total district residential properties, pount and less than 1% by area.

ing properties. These properties make erty land area directly impacted by the total district dairy farming properties, count and 1% by area.

nd specialty livestock properties. These of the total property land area directly . As a share of total district pasture and cies, they account for 8% by count and

properties. These properties make up y land area directly impacted by the total district horticultural properties, ount and less than 1% by area.

eehold land parcels (covering 514ha)) the national grid corridor. This is 4% e district totals.

rties directly impacted by the national the Residential Zone, 73% are in the Village Zone and 4% are in the Country ther zones (PDP). By land are of those 6 is in the Rural Zone and just 3% is in are 5 properties, covering an area of eavy Industrial Zone and impacted by operties make up 28% of all properties ne (and 4% of the area of all properties one).

Developable area (for building platforms) is reduced due to the need to provide access to national grid structures.	High	High	Negligible- Meaningful depending	High	Market	Yes	Average land parcel size of corridor is 1.16ha (1,232) therefore likely that for m
			on the property.				of the buffer areas has a building platforms.
							Land Owner: It is estimated that 96% of national grid corridor are p of all properties in this ca estimated 1% each belong parcels belong to WRC – th parcels in Waikato District.
Loss of property value as a result of the presence of the national grid corridor.	Moderate	Low	Marginal to Meaningful depending on the type of property.	High	Market	Yes	Of the 1,062 freehold parc grid corridor, the combine the combined total land va and 8% of total district pro This cost can be offset b property in the national gri
Loss of property value as a result of views of the national grid corridor.	Moderate	Low	Marginal to Meaningful depending on the type of property.	High	Market	Yes	
Social Costs	•	-		•		1	
Loss of visual amenity for those residents that have views of the national grid.	High	High	Meaningful	High	Market	Yes	While the number of reside unknown, the national g community areas defined in Properties directly impacte an estimated population (2016). They make up 4% household count.
Biophysical/Environmental Costs							
A potential loss of vegetation in the national grid corridor (excluding notable trees)	High	Moderate	Marginal	Moderate	Non-market	No	The national grid corrido 30.16ha of defined significa less than 1% of all SNA in th
Earthworks can occur (including in landscape and natural character areas) to enable development and maintenance of the national grid.	Moderate	Moderate	Negligible	Moderate	Non-market	No	The national grid corridor 4.2ha of ONF land and 4.77 of the district totals for ON or natural character areas)
Roads and tracks developed in rural areas to provide access to the national grid.	Moderate	Moderate	Marginal	Moderate	Non-market	No	The national grid corridor (of class 1 soils, 542ha of cl total of 612ha of high class high class soils in the distric
							81% of all property area di are farming (dairy, pasture



e directly affected by the national grid 32 ha divided by 1,062 parcels). It is many property parcels, the imposition s a limited impact on finding suitable

of properties directly impacted by the e privately/other owned. This is just 3% category across Waikato District. An ong to WDC, HNZC, NZTA. 7 property - this makes up 10% of all WRC owned ct.

rcels directly impacted by the national ned total capital value is \$1.86bn and value is \$1.31bn. This equates to 7% roperty and land value.

by the benefit to the purchaser of grid corridor (i.e. lower value land).

dents with views of the national grid is grid corridor crosses 27 or the 42 d in Waikato District (64%).

cted by the national grid corridor have on of 2,940 within 1,005 households 4% of the total district population and

dor (and its buffer) currently covers icant natural area (SNA). This makes up a the district.

or (and its buffer) currently covers just .77ha of SAL land (i.e. a negligible share ONF and SAL, and no coverage of ONL as).

r (and its buffer) currently covers 63ha class 2 soils and 7ha of class 3 soils (a ss soils. This is just 1% of the area of all rict.

directly impacted by the national grid re livestock) properties).

Cultural Costs							
Cultural values associated with sites/areas of significance to Maaori may be impacted by the presence of the national grid.	Low	Low	Meaningful	Moderate	Non-market	No	There are 24 paa sites (8% Maaori sites of significance the national grid corridor. There are an estimated 10 contained in the National Gr 1% of the district total respe



8% of the district total) and 4 other ce (5% of the total) contained within

109 NZAA Sites and 1 heritage item Grid Corridor. This is 7% and less than spectively.

Benefits	Certainty	Sufficiency	Consequence	Probability	Market or Non-Market Value	Practicable to Quantify or Monetise	Comments/Notes
Economic Benefits						•	•
All current and future businesses in Waikato District and New Zealand benefit from electricity supply facilitated by the national grid.	High	High	Critical /Fortunate	High	Market	Yes	A significant benefit to app in Waikato District and S (source: Statistics NZ Busin
All current and future residents in Waikato District and New Zealand benefit from electricity supply facilitated by the national grid.	High	High	Critical /Fortunate	High	Market	Yes	A significant benefit to app in Waikato District and 4,69 NZ). Year ending June 2016
All current and future visitors in Waikato District and New Zealand benefit from electricity supply facilitated by the national grid.	High	High	Critical /Fortunate	High	Market	Yes	Annual visitor arrivals to N ending April 2018). Source:
Transpower have their operational needs within the boundaries of Waikato District provided for, including access and the ability to repair, maintain, upgrade and develop. Reduced process costs.	High	High	Critical /Fortunate	High	Market	Yes	
Transpower benefit from avoidance of risk to the national grid from inappropriate subdivision, use or development.	High	High	Critical /Fortunate	High	Market	Yes	
The local and national economy benefit from reduced supply outages.	High	High	Critical /Fortunate	High	Market	Yes	
Transpower benefit from greater public understanding and recognition of the importance of the national grid and the constraints within which it operates. This facilitates their current and future activities within Waikato District. Reduced process costs.	Moderate	Moderate	Meaningful	High	Non-market	No	
Certainty is provided to landowners within the national grid corridor what they can and cannot do on their land.	High	High	Critical	High	Non-market	No	It is estimated that 96% of t impacted by the nationa owned. This is just 3% of a Waikato District. An estima NZTA. 7 property parcels l of all WRC owned parcels in
If and when the national grid corridor locates within the road network corridor, impacts on private landowners are avoided.	High	High	Meaningful	High	Market	No	
Existing land use and structures in the national grid corridor can continue.	High	High	Critical	High	Market	No	Refer 'Land Use Type' analy
Social Benefits			•				•
Adverse effects on residents and workers health are avoided due to the requirements for the national grid to meet official standards and guidelines. Improved safety to persons and property.	High	High	Critical /Fortunate	High	Non-market	No	
The social wellbeing of all current and future residents in Waikato District and New Zealand is enhanced as a result of electricity supply facilitated by the national grid.	High	High	Critical /Fortunate	High	Non-market	No	A significant benefit to app in Waikato District and 4,69 NZ). Year ending June 2016
Residents in close proximity to the national grid benefit from consideration of urban amenity and amenity values during major upgrades and development of the national grid.	Moderate	Moderate	Meaningful	Moderate	Non-market	No	The national grid corrido community areas defined in



pproximately 8,650 current businesses 550,210 businesses in NZ in total siness Directory, 2016).

pproximately 71,600 current residents 693,200 in NZ in total (source: Statistics 16.

NZ are estimated at 3,791,860 (year ce: Statistics NZ).

of the 1,062 freehold properties directly nal grid corridor are privately/other of all properties in this category across mated 1% each belong to WDC, HNZC, Is belong to WRC – this makes up 10% s in Waikato District.

alysis summarised in cost section.

pproximately 71,600 current residents 693,200 in NZ in total (source: Statistics 16.

idor crosses/impacts 27 or the 42 d in Waikato District (64%).

Residents and visitors in close proximity to the national grid	Moderate	Moderate	Meaningful	Moderate	Non-market	No	The national grid corridor
benefit from consideration recreation values during major							community areas defined in V
upgrades and development of the national grid.							
If and when the national grid corridor locates within the	High	High	Meaningful	High	Non-market	No	
road network corridor, impacts on private landowners are							
avoided.							
Biophysical/Environmental Benefits	1	-		1		1	
If and when the national grid corridor locates within the	High	High	Meaningful	High	Non-Market	No	
road network corridor, additional physical impacts on land							
are minimised due to development in an already							
disturbed/modified area.							
Effects on the environment are managed through the	High	High	Meaningful	High	Non-market	No	
requirements for the national grid to meet National							
Environmental Standards, and other industry guidelines.							
Effects on sediment, dust, land stability and landscape	High	Moderate	Meaningful	Moderate	Non-market	No	
values are managed for earthworks in the national grid							
corridor that are not already permitted.	1	1	NA	Moderate	New weeklight	NI	
Existing adverse effects on the environment are reduced	Low	Low	Meaningful	woderate	Non-market	No	
when major upgrades are carried out on the National Grid.	Lligh	Moderate	Meaningful	Moderate	Non-market	No	The national grid corridor co
Adverse effects on notable trees and their dripline are	High	Moderate	Ivieaningiui	WIDGerale	NOII-IIIdi Ket	INO	notable trees (or clusters o
managed within the national grid corridor.							district (9%).
Landscape and natural character values in identified areas	High	High	Critical	Low	Non-market	No	Low probability given that th
are protected from further above ground development of	1.1.8.1	1.1.9.1	Circleur	2011	Non market		of undergrounding mean that
the national grid.							overhead transmission lines in
Cultural Benefits							
Effects on scheduled heritage sites/trees arising from	High	High	Critical	High	Non-market	No	There are an estimated 109
vegetation trimming and clearing in the national grid							contained in the National Grid
corridor are managed.							1% of the district total respec
						1	



lor	crosses/impacts	27	or	the	42
in V	Vaikato District (6	4%).			

or contains 7 of the approximately 80 ers of trees) on freehold land in the

at the additional costs and constraints n that is only a realistic alternative to nes in very limited circumstances.

109 NZAA Sites and 1 heritage item I Grid Corridor. This is 7% and less than espectively.

Appendix 1 – National Grid Corridor Tables

Figure 0.1: National Grid Corridor - LINZ Land Use Detailed Summary – part one

			Policy Are	a of Effect				Total Dis	trict		Pol	Policy Area of Effect as Share of District			
Land Use Summary	Land Use Detailed	Hectares of Properties	Count of Properties	Land Value of Properties		erties	Hectares of Properties	Count of	and Value of Properties	Capital Va of Propert	Hectares of	Count of Properties	Land Value of Properties	Capital Value of Properties	
		Froperties	Fioperties	(\$m)	(\$m)) '	Filipenties	ropenties	(\$m)	(\$m)	ropenties	. Flopenies	(\$m)	(\$m)	
Commercial	COMMERCIAL-ACCOMMODATION	-	-	\$-	\$	-	53.7	24 \$	14.35	\$ 31	02 0%	6 0%	0%	0%	
Commercial	COMMERCIAL-CHILD CARE CENTRE	-	-	\$-	\$	-	11.3	30 \$	9.65	\$ 23	66 0%	6 0%	0%	0%	
Commercial	COMMERCIAL-COMMERCIAL GENERAL	0.7	2	\$ 0.78	\$	1.43	42.0	72 \$	20.26	\$ 40	77 2%	3%	4%	4%	
Commercial	COMMERCIAL-HEALTH/DOCTORS (INCL ANIMAL BREEDING/GENETICS)	-	-	\$-	\$	-	5.8	7 \$	2.04	\$ 6	82 0%	6 0%	0%	0%	
Commercial	COMMERCIAL-LIQUOR	-	-	\$-	\$	-	6.2	15 \$	6.84	\$ 18	46 0%	6 0%	0%	0%	
Commercial	COMMERCIAL-MOTOR VEHICLES	0.1	1	\$ 0.17	\$	0.22	3.0	10 \$	2.69	\$ 5	44 2%	۶ 1 0 %	6%	5 4%	
Commercial	COMMERCIAL-OFFICE	-	-	\$-	\$	-	4.8	40 \$	12.82	\$ 32	42 0%	6 0%	0%	5 0%	
Commercial	COMMERCIAL-PARKING	-	-	\$-	\$	-	0.3	4 \$	0.63	\$ C	65 0%	6 0%	0%	5 0%	
Commercial	COMMERCIAL-REST HOMES	-	-	\$-	\$	-	19.5	5 \$	4.30	\$ 40	90 0%	6 0%	5 0 %	5 0%	
Commercial	COMMERCIAL-RETAIL	-	-	\$-	\$	-	18.2	201 \$	51.80	\$ 108	73 0%	6 0%	0%	0%	
Commercial	COMMERCIAL-SERVICE STATION	-	-	\$ -	\$	-	2.6	10 \$	4.39	\$ 10	24 0%	6 0%	5 0%	5 0%	
Commercial	COMMERCIAL-TOURIST ATTRACTIONS	-	-	\$ -	\$	-	39.8	3 \$	1.84	\$ 10	17 0%	6 0%	5 0%	5 0%	
Commercial	COMMERCIAL-VACANT	-	-	\$ -	\$	-	9.2	45 \$	17.16	\$ 17	53 0%	6 0%	5 0%	5 0%	
Dairying	DAIRYING-FACTORY	737.8	229	\$ 751.80	\$ 8	74.62	118,165.8	1,386 \$	3,933.88	\$ 4,583	72 1%	۶ 17%	5 19%	19%	
Forestry	FORESTRY-EXOTIC	5.6	3	\$ 1.90	\$	2.06	16,867.2	179 \$	52.08	\$ 62	70 0%	2%	5 4%	3%	
Forestry	FORESTRY-INDIGENOUS	0.3	1			0.11	2,671.4	36 \$			46 0%	3%	3%		
Forestry	FORESTRY-PROTECTED	-	-	\$ -	\$	-	1,459.7	7 \$			35 0%	6 0%	5 0%		
Horticulture	HORTICULTURE-BERRY	1.7	1			4.30	124.2	4 \$			42 1%	۶ ۵ 25%	44%		
Horticulture	HORTICULTURE-CITRUS	-		\$ -	\$	-	29.6	4 \$			94 0%				
Horticulture	HORTICULTURE-FLOWERS	3.3	4	•		5.02	58.0	10 \$			14 6%				
Horticulture	HORTICULTURE-GLASSHOUSES	0.7	1			0.93	132.3	36 \$							
Horticulture	HORTICULTURE-KIWIFRUIT	0.4	1			2.15	243.9	20 \$		· ·					
Horticulture	HORTICULTURE-MARKET GARDEN	14.7	19	-		39.87	4,861.2	194 \$							
Horticulture	HORTICULTURE-OTHER LIFESTOCK	0.1	1			2.12	496.2	27 \$			32 0%				
Horticulture	HORTICULTURE-VINEYARD	0.0	1	•		0.55	44.0	3 \$			01 0%				
Industrial	INDUSTRIAL-HEAVY	7.1	2	-	-	2.10	186.7	10 \$		· ·	11 4%				
Industrial	INDUSTRIAL-LIGHT	-		\$ -	Ś	-	175.2	143 \$							
Industrial	INDUSTRIAL-NOXIOUS	-	-	\$ -	Ś	-	18.4	5 \$			29 0%				
Industrial	INDUSTRIAL-NZ GROWERS	-	-	\$ -	Ś	-	1.7	1 \$			95 0%				
Industrial	INDUSTRIAL-OTHER	0.4	2	7		2.41	40.2	28 \$							
Industrial	INDUSTRIAL-SERVICE	0.6	1			0.26	26.7	81 \$			29 2%				
Industrial	INDUSTRIAL-VACANT	-		\$ -	\$	-	220.7	102 \$							
Industrial	INDUSTRIAL-WAREHOUSE	-		\$ -	\$	-	9.5	102 \$			96 0%				
Lifestyle	LIFESTYLE-BARE/CROPS	-		\$ -	\$	-	62.6	10 \$			73 0%				
Lifestyle	LIFESTYLE-IMPROVED	89.9	317	•		08.90	26,764.3	10,304 \$							
Lifestyle	LIFESTYLE-INIPROVED	50.8	140			72.09	17,919.1	2,739 \$	-						
	MINING-COAL	4.8	3			4.42		2,739 \$							
Mining	MINING-COAL MINING-LIMESTONE						1,457.3							-	
Mining		-		\$ -	\$	-	15.8	1 \$			22 0%				
Mining	MINING-OTHER	-		\$ -	\$	-	14.7	1 \$			35 0%				
Mining	MINING-PRECIOUS METALS	-		\$ -	\$	-	48.6	1 \$			79 0%				
Mining	MINING-ROCK	1.3	1			3.00	457.3	12 \$			26 0%				
Not Classified	NOT CLASSIFIED	7.7	4			59.64	1,309.9	44 \$							
Other	OTHER-ASSEMBLY HALLS	0.1	1			1.76	56.3	58 \$			39 0%				
Other	OTHER-EDUCATION	0.5	4	\$ 1.04	Ş :	18.86	218.8	81 \$	46.76	\$ 231	80 0%	5%	5 2%	8%	

Figure 0.2: National Grid Corridor - LINZ Land Use Detailed Summary – part two

			Policy Area	of Effect			Total Di	strict			Polic	y Area of Effect	as Share of Dis	trict
Land Use Summary	Land Use Detailed	Hectares of Properties	Count of Properties		Capital Value of Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	of P		Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Other	OTHER-HEALTH	-	-	\$-	\$-	4.1	1	\$ 1.03	\$	4.73	0%	0%	0%	0%
Other	OTHER-MAORI SITES	0.8	3	\$ 0.12	\$ 1.33	3,860.2	124	\$ 16.17	\$	55.40	0%	2%	1%	2%
Other	OTHER-OTHER	17.3	5	\$ 1.13	\$ 2.00	2,103.6	112	\$ 58.21	\$	466.00	1%	4%	2%	0%
Other	OTHER-PASSIVE RESERVE	5.6	19	\$ 3.38	\$ 4.12	21,467.5	526	\$ 91.81	\$	101.32	0%	4%	4%	4%
Other	OTHER-RELIGOUS	0.0	1	\$ 0.35	\$ 2.17	31.0	57	\$ 16.71	\$	33.96	0%	2%	2%	6%
Other	OTHER-SPORTS	3.1	6	\$ 2.54	\$ 6.39	1,378.9	77	\$ 55.54	\$	108.39	0%	8%	5%	6%
Other	OTHER-UTILITIES	-	-	\$-	\$-	10,270.3	1	\$ 13.57	\$	169.27	0%	0%	0%	0%
Other	OTHER-VACANT	4.9	22	\$ 7.67	\$ 8.12	5,760.7	794	\$ 39.82	\$	40.93	0%	3%	19%	20%
Pasture & Speciality Livestock	PASTURE-FATTENING	231.9	88	\$ 141.65	\$ 166.34	123,016.9	916	\$ 1,439.26	\$	1,691.65	0%	10%	10%	10%
Pasture & Speciality Livestock	PASTURE-GRAZING	14.4	11	\$ 16.12	\$ 19.47	61,850.2	318	\$ 324.60	\$	387.60	0%	3%	5%	5%
Residential	RESIDENTIAL-BARE BLOCK	0.9	2	\$ 17.43	\$ 17.43	157.4	28	\$ 112.44	\$	113.68	1%	7%	16%	15%
Residential	RESIDENTIAL-CONVERTED HOUSES	-	-	\$-	\$ -	0.4	4	\$ 0.79	\$	1.56	0%	0%	0%	0%
Residential	RESIDENTIAL-DWELLING	4.1	133	\$ 14.21	\$ 38.14	949.0	9,673	\$ 2,314.23	\$	4,483.18	0%	1%	1%	1%
Residential	RESIDENTIAL-2+ DWELLING UNITS	-	-	\$-	\$ -	7.2	59	\$ 15.66	\$	34.11	0%	0%	0%	0%
Residential	RESIDENTIAL-FLATS	0.1	4	\$ 0.39	\$ 0.98	136.9	971	\$ 202.19	\$	401.76	0%	0%	0%	0%
Residential	RESIDENTIAL-HOME AND INCOME	-	-	\$ -	\$-	7.2	59	\$ 19.43	\$	37.54	0%	0%	0%	0%
Residential	RESIDENTIAL-RENTAL FLATS	-	-	\$ -	\$-	6.6	41	\$ 12.98	\$	25.15	0%	0%	0%	0%
Residential	RESIDENTIAL-VACANT SINGLE	0.6	18	\$ 2.01	\$ 2.02	139.6	1,168	\$ 238.63	\$	250.72	0%	2%	1%	1%
Pasture & Speciality Livestock	SPECIALITY LIVESTOCK-DEER FARMING	2.1	2	\$ 1.93	\$ 2.89	880.1	16	\$ 19.01	\$	24.52	0%	13%	10%	12%
Pasture & Speciality Livestock	SPECIALITY LIVESTOCK-HORSE	7.5	5	\$ 7.18	\$ 9.08	1,396.8	70	\$ 99.52	\$	140.11	1%	7%	7%	6%
Pasture & Speciality Livestock	SPECIALITY LIVESTOCK-OTHER LIFESTOCK	6.0	2	\$ 23.15	\$ 39.98	776.2	12	\$ 47.07	\$	79.74	1%	17%	49%	50%
Pasture & Speciality Livestock	SPECIALITY LIVESTOCK-PIGS	-	-	\$ -	\$-	91.4	6	\$ 5.43	\$	8.63	0%	0%	0%	0%
Pasture & Speciality Livestock	SPECIALITY LIVESTOCK-POULTRY	0.8	1	\$ 0.70	\$ 8.70	349.3	36	\$ 30.70	\$	99.11	0%	3%	2%	9%
Utility	UTILITY-MISCELLENEOUS/UNMANED	-	-	\$-	\$-	3.5	24	\$ 3.56	\$	6.01	0%	0%	0%	0%
Utility	UTILITY-RAIL CORRIDOR	-	-	\$-	\$-	0.9	1	\$ 0.03	\$	0.46	0%	0%	0%	0%
Utility	UTILITY-TELCOM/CELL TOWER	-	-	\$-	\$-	0.8	2	\$ 0.43	\$	0.83	0%	0%	0%	0%
Utility	UTILITY-WATER/RESERVOIR/TREATMENT	-	-	\$-	\$-	4.7	9	\$ 1.53	\$	2.90	0%	0%	0%	0%
Utility	UTILITY-WIND TURBINE/POWER STATION	3.4	1	\$ 2.00	\$ 127.01	2,218.5	5	\$ 11.72	\$	196.33	0%	20%	17%	65%
Total		1,231.8	1,062	\$ 1,308.68	\$ 1,862.95	431,243.1	31,129	\$ 16,595.16	\$	26,426.91	0%	3%	8%	7%

Figure 0.3: National Grid Corridor - LINZ Land Use Summary

		Policy Are	a of	Effect			Total [Dist	rict		Polic	y Area of Effect	as Share of Dis	trict
Land Use Summary	Hectares of Properties	Count of Properties		d Value of roperties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties		nd Value of Properties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Commercial	0.7	3	\$	0.95	\$ 1.65	216.5	466	\$	148.76	\$ 346.80	0%	1%	1%	0%
Industrial	8.0	5	\$	2.31	\$ 4.76	678.7	387	\$	247.96	\$ 476.65	1%	1%	1%	1%
Mining	6.1	4	\$	6.21	\$ 7.42	1,993.6	24	\$	20.04	\$ 24.11	0%	17%	31%	31%
Utility	3.4	1	\$	2.00	\$ 127.01	2,228.4	41	\$	17.26	\$ 206.53	0%	2%	12%	61%
Residential	5.6	157	\$	34.04	\$ 58.57	1,404.3	12,003	\$	2,916.34	\$ 5,347.70	0%	1%	1%	1%
Lifestyle	140.7	457	\$	247.31	\$ 380.99	44,746.0	13,053	\$	6,476.14	\$ 11,034.75	0%	4%	4%	3%
Forestry	5.9	4	\$	2.01	\$ 2.17	20,998.3	222	\$	59.71	\$ 70.51	0%	2%	3%	3%
Horticulture	20.9	28	\$	40.54	\$ 54.93	5,989.5	298	\$	403.86	\$ 551.45	0%	9%	10%	10%
Pasture & Speciality Livestock	262.7	109	\$	190.73	\$ 246.46	188,360.9	1,374	\$	1,965.59	\$ 2,431.33	0%	8%	10%	10%
Dairying	737.8	229	\$	751.80	\$ 874.62	118,165.8	1,386	\$	3,933.88	\$ 4,583.72	1%	17%	19%	19%
Other	32.1	61	\$	16.34	\$ 44.73	45,151.4	1,831	\$	354.48	\$ 1,249.18	0%	3%	5%	4%
Not Classified	7.7	4	\$	14.46	\$ 59.64	1,309.9	44	\$	51.15	\$ 104.18	1%	9%	28%	57%
Total	1,231.8	1,062	\$	1,308.68	\$ 1,862.95	431,243.1	31,129	\$	16,595.16	\$ 26,426.91	0%	3%	8%	7%

Source: WDC Baseline Database (July 2017 Property Snapshot)

Figure 0.4: National Grid Corridor - Operative District Plan Zone Summary

Operative	Operative			Policy Are	a of Effec	t				Total (Distr	rict			Poli	cy Area of Effect	t as Share of Dis	trict
Plan Section	Zone Sub- Category	Operative DP Zone	Hectares of Properties	Count of Properties	Land Val Proper (\$m	ties	of Prope (\$m	erties	Hectares of Properties	Count of Properties		nd Value of roperties (\$m)	of Pr	tal Value roperties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Franklin	Industrial	Aggregate Extraction	1.4	1	\$	1.81	\$	2.52	226.3	6	\$	3.75	\$	5.23	1%	17%	48%	48%
Franklin	Commercial	Business	0.9	3	\$	0.63	\$	10.69	313.8	644	\$	232.85	\$	438.81	0%	0%	0%	2%
Franklin	Rural	Coastal	-	-	\$	-	\$	-	15,173.0	510	\$	268.09	\$	346.32	0%	0%	0%	0%
Waikato	Rural	Country Living	8.6	45	\$	12.71	\$	28.01	3,387.7	2,496	\$	1,183.99	\$	2,362.65	0%	2%	1%	1%
Franklin	Rural	Forest Conservation	-	-	\$	-	\$	-	11,519.4	4	\$	16.47	\$	172.22	0%	0%	0%	0%
Waikato	Rural	Formed Road	6.4	1	\$	-	\$	-	242.1	12	\$	3.98	\$	5.90	3%	8%	0%	0%
Waikato	Industrial	Heavy Industrial	12.9	6	\$	5.12	\$ 1	132.88	239.8	26	\$	19.37	\$	154.29	5%	23%	26%	86%
Franklin	Industrial	Industrial	-	-	\$	-	\$	-	100.2	18	\$	26.31	\$	32.73	0%	0%	0%	0%
Franklin	Industrial	Industrial 2	-	-	\$	-	\$	-	52.8	5	\$	20.89	\$	21.06	0%	0%	0%	0%
Waikato	Industrial	Industrial Park	-	-	\$	-	\$	-	175.0	25	\$	64.16	\$	78.57	0%	0%	0%	0%
Franklin	Industrial	Industrial Services	-	-	\$	-	\$	-	1.7	1	\$	1.53	\$	6.95	0%	0%	0%	0%
Waikato	Industrial	Light Industrial	0.1	3	\$	0.34	\$	0.85	254.9	213	\$	84.97	\$	202.82	0%	1%	0%	0%
Waikato	Urban	Living	9.8	152	\$	21.81	\$	46.70	1,066.6	7,614	\$	1,697.83	\$	3,201.39	1%	2%	1%	1%
Waikato	Urban	Living Rangatahi	-	-	\$	-	\$	-	119.9	8	\$	5.43	\$	7.09	0%	0%	0%	0%
Waikato	Urban	Living Zone Te Kauwhata Ecological	-	-	\$	-	\$	-	42.3	4	\$	8.69	\$	9.28	0%	0%	0%	0%
Waikato	Urban	Living Zone Te Kauwhata West	-	-	\$	-	\$	-	41.3	67	\$	31.06	\$	36.67	0%	0%	0%	0%
Franklin	Industrial	Maioro Mining	-	-	\$	-	\$	-	1,448.5	4	\$	6.02	\$	11.00	0%	0%	0%	0%
Waikato	Urban	New Residential	1.0	1	\$	0.80	\$	0.82	282.8	696	\$	221.16	\$	390.16	0%	0%	0%	0%
Waikato	Other	Ра	0.1	1	\$	0.07	\$	1.27	276.0	192	\$	43.71	\$	96.17	0%	1%	0%	1%
Franklin	Public space	Queens Redoubt Heritage	-	-	\$	-	\$	-	1.8	1	\$	0.60	\$	0.95	0%	0%	0%	0%
Franklin	Public space	Recreation	1.0	4	\$	1.72	\$	3.22	2,133.7	163	\$	43.85	\$	65.89	0%	2%	4%	5%
Franklin	Urban	Residential	-	-	\$	-	\$	-	140.1	1,414	\$	456.15	\$	781.06	0%	0%	0%	0%
Franklin	Urban	Residential 2	0.8	1	\$	8.09	\$	8.09	227.6	923	\$	351.69	\$	635.58	0%	0%	2%	1%
Franklin	Rural	Rural	1,181.2	789	\$ 1,2	21.67	\$ 1,5	581.99	387,779.4	14,966	\$	11,465.43	\$ 1	16,795.72	0%	5%	11%	9%
Franklin	Urban	Rural-Residential	-	-	\$	-	\$	-	114.1	298		91.44		160.17	0%	0%	0%	0%
Franklin	Industrial	Timber Processing	-	-	\$	-	\$	-	13.8	1	- · ·	1.14	\$	4.92	0%	0%	0%	
Franklin	Urban	Village	4.9	51	\$	32.19	\$ 4	43.83	3,903.4	771	\$	233.24	\$	388.47	0%	7%	14%	
Franklin	Commercial	Village Business	-	-	\$		\$	-	4.0		· ·	2.41		4.50	0%	0%	0%	
Franklin	Rural	Wetland Conservation	2.4	4		1.72		2.09	1,961.5	38	· ·	8.99		10.36	0%	11%	19%	
Total			1.231.8	1.062	•	08.68		362.95	431.243.1	31.129		16,595.16		26,426.91	0%	3%	8%	

Source: WDC Baseline Database (July 2017 Property Snapshot). Excludes Roads and NULL.



Figure 0.5: National Grid Corridor - Operative District Plan Zone Sub Category Summary

Operative		Policy Are	ea of	Effect			Total	Dist	rict		Polie	cy Area of Effec	t as Share of Dis	trict
Zone Sub- Category	Hectares of Properties	Count of Properties		nd Value of Properties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties		nd Value of Properties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Industrial	14.5	10	\$	7.27	\$ 136.25	2,512.9	299	\$	228.14	\$ 517.56	1%	3%	3%	26%
Commercial	0.9	3	\$	0.63	\$ 10.69	317.7	653	\$	235.26	\$ 443.31	0%	0%	0%	2%
Rural	1,198.7	839	\$	1,236.11	\$ 1,612.09	420,063.0	18,026	\$	12,946.94	\$ 19,693.17	0%	5%	10%	8%
Urban	16.6	205	\$	62.89	\$ 99.43	5,938.1	11,795	\$	3,096.67	\$ 5,609.87	0%	2%	2%	2%
Other	0.1	1	\$	0.07	\$ 1.27	276.0	192	\$	43.71	\$ 96.17	0%	1%	0%	1%
Public space	1.0	4	\$	1.72	\$ 3.22	2,135.5	164	\$	44.44	\$ 66.84	0%	2%	4%	5%
Total	1,231.8	1,062	\$	1,308.68	\$ 1,862.95	431,243.1	31,129	\$	16,595.16	\$ 26,426.91	0%	3%	8%	7%

Source: WDC Baseline Database (July 2017 Property Snapshot). Excludes Roads and NULL.

Figure 0.6: National Grid Corridor - Operative District Plan Section Summary

Operative		Policy Are	a of	Effect			Total	Dist	rict		Polic	y Area of Effec	t as Share of Dis	trict
Plan Section	Hectares of Properties	Count of Properties		d Value of roperties (\$m)	oital Value Properties (\$m)	Hectares of Properties	Count of Properties		nd Value of roperties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Franklin	1,192.8	853	\$	1,267.83	\$ 1,652.44	425,114.9	19,776	\$	13,230.83	\$ 19,881.92	0%	4%	10%	8%
Waikato	39.0	209	\$	40.86	\$ 210.52	6,128.3	11,353	\$	3,364.33	\$ 6,544.99	1%	2%	1%	3%
Total	1,231.8	1,062	\$	1,308.68	\$ 1,862.95	431,243.1	31,129	\$	16,595.16	\$ 26,426.91	0%	3%	8%	7%

Source: WDC Baseline Database (July 2017 Property Snapshot). Excludes Roads and NULL.

Figure 0.7: National Grid Corridor - Proposed District Plan Zone Summary

			Policy Are	ea of Ei	ffect				Total [Distr	ict		Polic	y Area of Effec	t as Share of Dis	trict
Proposed Zone Sub- Category	Proposed DP Zone	Hectares of Properties	Count of Properties	Pro		of P	ital Value roperties (\$m)	Hectares of Properties	Count of Properties		nd Value of roperties (\$m)	oital Value Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Public Space	Reserve	2.7	7	\$	11.63	\$	14.37	13,541.3	184	\$	72.13	\$ 257.24	0%	4%	16%	6%
Urban	Residential	7.7	155	\$	39.19	\$	72.14	1,878.1	8,789	\$	2,269.46	\$ 4,165.87	0%	2%	2%	2%
Other	Раа	0.1	1	\$	0.07	\$	1.27	627.6	209	\$	58.09	\$ 146.17	0%	0%	0%	1%
Rural	Country Living	9.7	45	\$	14.21	\$	29.24	3,154.1	2,404	\$	1,142.04	\$ 2,284.57	0%	2%	1%	1%
Other	Motorsport and Recreation	-	-	\$	-	\$	-	220.4	98	\$	35.80	\$ 86.34	0%	0%	0%	0%
Urban	Business Town Centre	-	-	\$	-	\$	-	28.3	245	\$	74.22	\$ 129.75	0%	0%	0%	0%
Urban	Tamahere Business Zone	-	-	\$	-	\$	-	0.9	1	\$	0.51	\$ 0.51	0%	0%	0%	0%
Industrial	Heavy Industrial	10.7	5	\$	3.72	\$	131.13	276.1	18	\$	39.73	\$ 202.06	4%	28%	9%	65%
Urban	Village	31.1	70	\$	44.03	\$	82.48	10,060.8	4,551	\$	1,898.64	\$ 3,119.25	0%	2%	2%	3%
Industrial	Industrial	0.6	1	\$	0.15	\$	0.26	450.2	243	\$	160.17	\$ 307.19	0%	0%	0%	0%
Urban	Business	0.6	2	\$	0.26	\$	1.53	71.4	294	\$	87.26	\$ 170.35	1%	1%	0%	1%
Rural	Rural	1,168.6	776	\$	1,195.43	\$	1,530.54	400,814.2	14,085	\$	10,751.68	\$ 15,550.52	0%	6%	11%	10%
Urban	Rangitahi Peninsula Zone	-	-	\$	-	\$	-	119.9	8	\$	5.43	\$ 7.09	0%	0%	0%	0%
Total		1,231.8	1,062	\$	1,308.68	\$	1,862.95	431,243.1	31,129	\$	16,595.16	\$ 26,426.91	0%	3%	8%	7%

Source: WDC Baseline Database (July 2017 Property Snapshot). Excludes Roads and NULL.



Figure 0.8: National Grid Corridor - Proposed District Plan Zone Sub Category Summary

Proposed		Policy Are	ea of	f Effect			Total	Dist	rict		Polic	cy Area of Effec	t as Share of Dis	trict
Zone Sub- Category	Hectares of Properties	Count of Properties		nd Value of Properties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties		nd Value of roperties (\$m)	pital Value Properties (\$m)	Hectares of Properties	Count of Properties	Land Value of Properties (\$m)	Capital Value of Properties (\$m)
Industrial	11.3	6	\$	3.9	\$ 131.4	726.2	261	\$	199.9	\$ 509.2	2%	2%	2%	26%
Commercial	-	-	\$	-	\$ -	-	-	\$	-	\$ -	0%	0%	0%	0%
Rural	1,178.3	821	\$	1,209.6	\$ 1,559.8	403,968.2	16,489	\$	11,893.7	\$ 17,835.1	0%	5%	10%	9%
Urban	39.5	227	\$	83.5	\$ 156.1	12,159.3	13,888	\$	4,335.5	\$ 7,592.8	0%	2%	2%	2%
Other	0.1	1	\$	0.1	\$ 1.3	848.0	307	\$	93.9	\$ 232.5	0%	0%	0%	1%
Public space	2.7	7	\$	11.6	\$ 14.4	13,541.3	184	\$	72.1	\$ 257.2	0%	4%	16%	6%
Total	1,231.8	1,062	\$	1,308.7	\$ 1,863.0	431,243.1	31,129	\$	16,595.2	\$ 26,426.9	0%	3%	8%	7%

Source: WDC Baseline Database (July 2017 Property Snapshot). Excludes Roads and NULL.



3.4.1 Natural Assets and Resources Directly Affected

Figure 0.9: National Grid Corridor - High Class Soils by Community Summary

			Policy Are	ea of Effect			Total	District		Policy A	Area of Effect as	Share of Dist	trict
Ward	Community	Soil Type 1 (Ha)	Soil Type 2 (Ha)	Soil Type 3 (Ha)	Total High Class Soils (Ha)	Soil Type 1 (Ha)	Soil Type 2 (Ha)	Soil Type 3 (Ha)	Total High Class Soils (Ha)	Soil Type 1 (Ha) Soi	l Type 2 (Ha) Soi	il Type 3 (Ha)	Total High Class Soils (Ha)
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	381.83	572.10	-	953.93	0%	0%	0%	0%
Awaroa ki Tuakau Ward	Pokeno Community	0.33	1.18	-	1.51	19.54	1,028.94	-	1,048.48	2%	0%	0%	0%
Awaroa ki Tuakau Ward	Tuakau Community	-	0.54	-	0.54	445.53	1,997.95	-	2,443.48	0%	0%	0%	0%
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	25.18	633.15	-	658.33	0%	0%	0%	0%
Whangamarino Ward	Mangatangi Community	-	-	-	-	-	1,648.12	23.62	1,671.74	0%	0%	0%	0%
Whangamarino Ward	Mangatawhiri Community	-	25.91	5.28	31.19	-	2,724.74	232.44	2,957.18	0%	1%	2%	1%
Whangamarino Ward	Maramarua Community	-	17.25	-	17.25	-	1,769.83	108.57	1,878.40	0%	1%	0%	1%
Whangamarino Ward	Meremere Community	-	3.43	-	3.43	-	821.74	-	821.74	0%	0%	0%	0%
Whangamarino Ward	Te Kauwhata	-	5.32	-	5.32	-	2,723.26	-	2,723.26	0%	0%	0%	0%
Onewhero Ward	Glen Murray Community	-	-	-	-	-	571.58	865.06	1,436.64	0%	0%	0%	0%
Onewhero Ward	Onewhero Community	-	-	-	-	81.22	2,835.69	257.52	3,174.43	0%	0%	0%	0%
Onewhero Ward	Port Waikato Community	-	-	-	-	-	34.96	155.96	190.92	0%	0%	0%	0%
Onewhero Ward	Pukekawa-Opuatia Community	5.32	0.98	-	6.30	844.07	2,670.17	29.41	3,543.65	1%	0%	0%	0%
Onewhero Ward	Waikaretu Community	-	-	-	-	-	-	1,069.45	1,069.45	0%	0%	0%	0%
Huntly Ward	Huntly Community	-	25.07	-	25.07	-	2,243.96	-	2,243.96	0%	1%	0%	1%
Huntly Ward	Ohinewai Community	-	-	-	-	_	2,026.87	_	2,026.87	0%	0%	0%	0%
Hukanui-Waerenga Ward		9.09	29.15	-	38.24	1,072.06	7,754.56	150.18	8,976.80	1%	0%	0%	0%
Hukanui-Waerenga Ward		-	88.99	-	88.99	148.26	13,622.97	1.40	13,772.63	0%	1%	0%	1%
Hukanui-Waerenga Ward		_	115.15	-	115.15	-	5,485.29	-	5,485.29	0%	2%	0%	2%
Hukanui-Waerenga Ward		-	96.41	-	96.41	-	4,868.83	-	4,868.83	0%	2%	0%	2%
Ngaruawahia Ward	Horsham Downs Community	_	2.71	-	2.71	246.25	2,199.46	-	2,445.71	0%	0%	0%	0%
Ngaruawahia Ward	Ngaruawahia Community	-	-	-	-	117.56	1,078.22	112.82	1,308.60	0%	0%	0%	0%
Ngaruawahia Ward	Taupiri Community	1.57	10.75	-	12.32	221.28	2,085.15	-	2,306.43	1%	1%	0%	1%
Whaingaroa Ward	Naike Community	-	-	-	-	-	248.47	796.16	1,044.63	0%	0%	0%	0%
Whaingaroa Ward	Pukemiro Community	_	-	-	_	-	59.39	19.61	79.00	0%	0%	0%	0%
Whaingaroa Ward	Rotongaro-Ruawaro Community	_	11.67	-	11.67	-	2,780.56		3,056.82	0%	0%	0%	0%
Whaingaroa Ward	Rotowaro Community	-	-	-	-	-	26.85	-	26.85	0%	0%	0%	0%
Whaingaroa Ward	Te Akau Community	_	-	-	_	_	180.11	844.83	1,024.94	0%	0%	0%	0%
Whaingaroa Ward	Waingaro Community	-	0.59	-	0.59	13.85	329.20		636.76		0%	0%	0%
Whaingaroa Ward	Waitetuna Community	_	1.19	1.30	2.49		1,517.75	355.49	1,873.24		0%	0%	0%
Newcastle Ward	Horotiu Community	-	-	-	-	96.98	471.31	-	568.29		0%	0%	0%
Newcastle Ward	Rotokauri Community	-	-	-	_	116.83	686.43	_	803.26		0%	0%	0%
Newcastle Ward	Te Kowhai Community	0.18	17.29	-	17.47	498.30	2,382.00	-	2,880.30		1%	0%	1%
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	-	205.05	1,291.30		1,496.35	0%	0%	0%	0%
Eureka Ward	Eureka Community	0.57	6.64	-	7.21	118.67	4,560.27	-	4,678.94		0%	0%	0%
Eureka Ward	Matangi Community	13.90	14.29	-	28.19	1,164.04	580.70		1,744.74	1%	2%	0%	2%
Eureka Ward	Puketaha Community	3.46	42.77	-	46.23	330.98	3,975.07	-	4,306.05	1%	1%	0%	1%
Eureka Ward	Tauwhare Community	-	-	-		368.49	288.78		657.27	0%	0%	0%	0%
Tamahere Ward	Hautapu Community	18.39	- 25.02	-	43.41	2,302.75	853.94		3,156.69		3%	0%	1%
Tamahere Ward	Tamahere Community	10.46	25.02	-	10.46	1,026.53	14.35		1,040.88		0%	0%	1%
Raglan Ward	Raglan Community		-	-				- 117.01	1,040.88	0%	0%	0%	0%
-	Waitetuna-Te Uku Community	-		-	-	-	- 108.41	768.59	877.00		0%	0%	0%
Raglan Ward Total		63.27	542.30		612.15		81,752.43	6,478.09	98,075.77		1%	0% 0%	1%

Figure 0.10: National Grid Corridor - High Class Soils by Ward Summary

		Policy Are	a of Effect			Total I	District		Poli	cy Area of Effect	as Share of Dis	trict
Ward	Soil Type 1 (Ha)	Soil Type 2 (Ha)	Soil Type 3 (Ha)	Total High Class Soils (Ha)	Soil Type 1 (Ha)	Soil Type 2 (Ha)	Soil Type 3 (Ha)	Total High Class Soils (Ha)	Soil Type 1 (Ha)	Soil Type 2 (Ha)	Soil Type 3 (Ha)	Total High Class Soils (Ha)
Awaroa ki Tuakau Ward	0.33	1.72	-	2.05	872.08	4,232.14	-	5,104.22	0%	0%	0%	0%
Whangamarino Ward	-	51.91	5.28	57.19	-	9,687.69	364.63	10,052.32	0%	1%	1%	1%
Onewhero Ward	5.32	0.98	-	6.30	925.29	6,112.40	2,377.40	9,415.09	1%	0%	0%	0%
Huntly Ward	-	25.07	-	25.07	-	4,270.83	-	4,270.83	0%	1%	0%	1%
Hukanui-Waerenga Ward	9.09	329.70	-	338.79	1,220.32	31,731.65	151.58	33,103.55	1%	1%	0%	1%
Ngaruawahia Ward	1.57	13.46	-	15.03	585.09	5,362.83	112.82	6,060.74	0%	0%	0%	0%
Whaingaroa Ward	-	13.45	1.30	14.75	13.85	5,142.33	2,586.06	7,742.24	0%	0%	0%	0%
Newcastle Ward	0.18	17.29	-	17.47	917.16	4,831.04	-	5,748.20	0%	0%	0%	0%
Eureka Ward	17.93	63.70	-	81.63	1,982.18	9,404.82	-	11,387.00	1%	1%	0%	1%
Tamahere Ward	28.85	25.02	-	53.87	3,329.28	868.29	-	4,197.57	1%	3%	0%	1%
Raglan Ward	-	-	-	-	-	108.41	885.60	994.01	0%	0%	0%	0%
Total	63.27	542.30	6.58	612.15	9,845.25	81,752.43	6,478.09	98,075.77	1%	1%	0%	1%

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Figure 0.11: National Grid Corridor - Natural Areas by Community Summary

			Po	olicy Area of Effe	ct				Total District				Policy Area	of Effect as Shar	e of District	
Ward	Community	Hectares of SNA (PDP)	Hectares of ONL (PDP)	(PDP)	Hectares of Natural Character (PDP)	Hectares of SAL (PDP)	Hectares of SNA (PDP)	Hectares of ONL (PDP)	Hectares of ONF (PDP)	Hectares of Natural Character (PDP)	Hectares of SAL (PDP)	Hectares of SNA (PDP)	Hectares of ONL (PDP)	Hectares of ONF (PDP)	Hectares of Natural Character (PDP)	Hectares of SA (PDP)
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	-	1,909.22	-	1,944.20	-	851.97	0%	0%	0%	0%	
Awaroa ki Tuakau Ward	Pokeno Community	3.35	-	-	-	-	638.02	-	-	-	127.39	1%	0%	0%	0%	5 09
Awaroa ki Tuakau Ward	Tuakau Community	0.10	-	-	-	0.24	312.58	-	-	-	644.78	0%	0%	0%	0%	5 O S
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	-	121.12	-	-	-	-	0%	0%	0%	0%	5 09
Whangamarino Ward	Mangatangi Community	-	-	-	-	-	12,054.39	12,315.24	-	-	-	0%	0%	0%	0%	5 O 5
Whangamarino Ward	Mangatawhiri Community	4.11	-	-	-	-	1,928.42	6.11	1,474.55	-	-	0%	0%	0%	0%	5 09
Whangamarino Ward	Maramarua Community	-	-	-	-	-	1,385.71	-	157.08	-	2,576.43	0%	0%	0%	0%	5 O'
Whangamarino Ward	Meremere Community	0.96	-	3.18	-	-	3,834.58	-	3,777.89	-	109.86	0%	0%	0%	0%	5 O'
Whangamarino Ward	Te Kauwhata	-	-	-	-	0.79	2,376.53	-	2,255.01	-	114.47	0%	0%	0%	0%	5 1
Onewhero Ward	Glen Murray Community	-	-	-	-	-	881.98	-	5.53	-	29.34	0%	0%	0%	0%	5 O'
Onewhero Ward	Onewhero Community	-	-	-	-	-	844.31	-	96.73	-	736.09	0%	0%	0%	0%	5 O
Onewhero Ward	Port Waikato Community	-	-	-	-	-	3,846.93	-	122.85	630.51	958.06	0%	0%	0%	0%	5 09
Onewhero Ward	Pukekawa-Opuatia Community	1.39	-	-	-	-	1,171.01	-	-	-	396.09	0%	0%	0%	0%	
Onewhero Ward	Waikaretu Community	-	-	-	-	-	752.81	-	-	88.61	89.68	0%	0%	0%	0%	
Huntly Ward	Huntly Community	0.63	-	-	-	2.88	3,241.02	-	2,410.06	-	190.24	0%	0%	0%	0%	5 29
Huntly Ward	Ohinewai Community	-	-	-	-	-	607.95	-	547.81	-	143.74	0%	0%	0%	0%	5 O
Hukanui-Waerenga Ward	Gordonton Community	-	-	-	-	-	23.97	-	-	-	-	0%	0%	0%	0%	
Hukanui-Waerenga Ward	Orini-Tauhei Community	-	-	-	-	-	188.80	-	-	-	-	0%	0%	0%	0%	5 O
Hukanui-Waerenga Ward	Waerenga Community	8.76	-	-	-	-	674.25	-	0.02	-	644.76	1%	0%	0%	0%	5 O'
Hukanui-Waerenga Ward	Waiterimu-Te Hoe Community	4.42	-	-	-	-	2,306.75	-	5,204.29	-	2,223.87	0%	0%	0%	0%	5 OS
Ngaruawahia Ward	Horsham Downs Community	-	-	-	-	-	28.42	-	-	-	60.29	0%	0%	0%	0%	0
Ngaruawahia Ward	Ngaruawahia Community	-	-	-	-	-	173.24	-	126.71	-	40.38	0%	0%	0%	0%	5 O'
Ngaruawahia Ward	Taupiri Community	0.02	-	-	-	-	101.96	-	-	-	6.61	0%	0%	0%	0%	5 O'
Whaingaroa Ward	Naike Community	-	-	-	-	-	409.90	-	-	-	-	0%	0%	0%	0%	
Whaingaroa Ward	Pukemiro Community	0.01	-	-	-	-	351.14	-	233.03	-	-	0%	0%	0%	0%	
Whaingaroa Ward	Rotongaro-Ruawaro Community	1.30	-	-	-	0.86	1,694.64	-	2,011.95	-	563.98	0%	0%	0%	0%	
Whaingaroa Ward	Rotowaro Community	0.08	-	-	-	-	177.51	-	-	-	-	0%	0%	0%	0%	
Whaingaroa Ward	Te Akau Community	-	-	-	-	-	1,891.08	-	197.09	975.15	561.19	0%	0%	0%	0%	
Whaingaroa Ward	Waingaro Community	1.31	-	0.48	-	-	5,749.13	-	4,146.72	299.22	-	0%	0%	0%	0%	
Whaingaroa Ward	Waitetuna Community	1.09	-	0.54	-	-	11,152.66	6,563.19	2,835.88	109.98	-	0%	0%	0%	0%	
Newcastle Ward	Horotiu Community	-	-	-	-	-	29.90	-	-	-	-	0%	0%	0%	0%	
Newcastle Ward	Rotokauri Community	-	-	-	-	-	23.94	-	-	-	-	0%	0%	0%	0%	
Newcastle Ward	Te Kowhai Community	0.99	-	-	-	-	128.11	-	-	-	-	1%	0%	0%	0%	
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	-	-	61.14	-	-	-	-	0%	0%	0%	0%	
Eureka Ward	Eureka Community	-	-	-	-	-	-	-	-	-	-	0%			0%	
Eureka Ward	Matangi Community	0.17	-	-	-	-	33.91	-	-	-	-	1%	0%		0%	
Eureka Ward	Puketaha Community	0.21	-	-	-	-	38.64	-	-	-	-	1%			0%	
Eureka Ward	Tauwhare Community	-	-	-	-	-	127.17	-	-	-	-	0%			0%	
Tamahere Ward	Hautapu Community	0.25	-	-	-	-	160.13	-	-	-	41.59	0%			0%	
Tamahere Ward	Tamahere Community	1.01	-	-	-	-	167.95	-	-	-	23.62	1%			0%	
Raglan Ward	Raglan Community	-	-	-	-	-	939.76	776.00	-	330.05	440.86	0%			0%	
Raglan Ward	Waitetuna-Te Uku Community	-	-	-	-	-	7,409.01	3,562.29	1,431.07	2,645.69	1,537.73	0%			0%	
Total		30.16	-	4.20	-	4.77	69,949.69	23,222.83	28,978.47	5,079.21	13,113.02	0%	0%	0%	0%	5 O'

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Figure 0.12: National Grid Corridor - Natural Areas by Ward Summary

		P	olicy Area of Effe	ct				Total District				Policy Area	of Effect as Shar	e of District	
Ward	Hectares of SNA (PDP)	Hectares of ONL (PDP)	Hectares of ONF (PDP)	Hectares of Natural Character (PDP)	(PDP)	Hectares of SNA (PDP)	Hectares of ONL (PDP)	Hectares of ONF (PDP)	Hectares of Natural Character (PDP)	(PDP)	Hectares of SNA (PDP)	Hectares of ONL (PDP)	Hectares of ONF (PDP)	Hectares of Natural Character (PDP)	Hectares of SAL (PDP)
Awaroa ki Tuakau Ward	3.45	-	-	-	0.24	2,980.94	-	1,944.20	-	1,624.14	0%	0%	0%	0%	0%
Whangamarino Ward	5.07	-	3.18	-	0.79	21,579.63	12,321.35	7,664.53	-	2,800.76	0%	0%	0%	0%	0%
Onewhero Ward	1.39	-	-	-	-	7,497.04	-	225.11	719.12	2,209.26	0%	0%	0%	0%	0%
Huntly Ward	0.63	-	-	-	2.88	3,848.97	-	2,957.87	-	333.98	0%	0%	0%	0%	1%
Hukanui-Waerenga Ward	13.18	-	-	-	-	3,193.77	-	5,204.31	-	2,868.63	0%	0%	0%	0%	0%
Ngaruawahia Ward	0.02	-	-	-	-	303.62	-	126.71	-	107.28	0%	0%	0%	0%	0%
Whaingaroa Ward	3.79	_	1.02	_	0.86	21,426.06	6,563.19	9,424.67	1,384.35	1,125.17	0%	0%	0%	0%	0%
Newcastle Ward	0.99	-	-	-	-	243.09	-	-	-	-	0%	0%	0%	0%	0%
Eureka Ward	0.38	-	-	-	-	199.72	-	-	-	-	0%	0%	0%	0%	0%
Tamahere Ward	1.26	-	-	-	-	328.08	-	-	-	65.21	0%	0%	0%	0%	0%
Raglan Ward	-	-	-	-	-	8,348.77	4,338.29	1,431.07	2,975.74	1,978.59	0%	0%	0%	0%	0%
Total	30.16	-	4.20	-	4.77	69,949.69	23,222.83	28,978.47	5,079.21	13,113.02	0%	0%	0%	0%	0%

Figure 0.13: National Grid Corridor - Environment and Aggregate Extraction by Community Summary

		P	olicy Area of Effe	ect		Total District		Policy Area	of Effect as Shar	re of Distr
Ward	Community	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectares of Aggregate Resource Area (PDP)	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectares of Aggregate Resource Area (PDP)	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectare Aggreg Resource (PDP
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	1,517.09	-	0%	0%	
Awaroa ki Tuakau Ward	Pokeno Community	-	-	-	-	34.15	-	0%	0%	
Awaroa ki Tuakau Ward	Tuakau Community	-	1	-	-	17.74	-	0%	4%	
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	-	_	0%	0%	
Whangamarino Ward	Mangatangi Community	-	-	-	-	-	_	0%	0%	
Whangamarino Ward	Mangatawhiri Community	-	-	-	-	-	-	0%	0%	
Whangamarino Ward	Maramarua Community	-	-	-	-	34.41	-	0%	0%	
Whangamarino Ward	Meremere Community	-	-	-	-	21.70	-	0%	0%	
•	Te Kauwhata	-	-	-	30.58	13.90	-	0%	0%	
Onewhero Ward	Glen Murray Community	-	-	_	-	-	_	0%	0%	
Onewhero Ward	Onewhero Community	_	_	_	-	_	_	0%	0%	
Onewhero Ward	Port Waikato Community	_	_	_	_	_	_	0%	0%	
Onewhero Ward	Pukekawa-Opuatia Community	_	_	_	-	26.43	_	0%	0%	
Onewhero Ward	Waikaretu Community	-	-	_	-	6.38	_	0%	0%	
Huntly Ward	Huntly Community	-	2	1	-	113.53	70.55	0%	2%	
Huntly Ward	Ohinewai Community	_	-		_	-	-	0%	0%	
	Gordonton Community	_		_	_			0%	0%	
Hukanui-Waerenga Ward	Orini-Tauhei Community	_	_	_	_	59.79	_	0%	0%	
	Waerenga Community	_				41.76		0%	0%	
_	Waiterimu-Te Hoe Community				_	-		0%	0%	
Ngaruawahia Ward	Horsham Downs Community	_			_			0%	0%	
Ngaruawahia Ward	Ngaruawahia Community				_	35.19		0%	0%	
•	Taupiri Community	_			-	-		0%	0%	
		_			-	-	-	0%	0%	
Whaingaroa Ward Whaingaroa Ward	Naike Community	_			-	- 13.05	-	0%	0%	
	Pukemiro Community		-	-	-		-			
Whaingaroa Ward	Rotongaro-Ruawaro Community	-	-	-	-	-	-	0%	0%	
Whaingaroa Ward	Rotowaro Community	-	-	-	-	-	-	0%	0%	
	Te Akau Community	-	-	-	-	-	-	0%	0%	
Whaingaroa Ward	Waingaro Community	-	-	-	-	-	-	0%	0%	
Whaingaroa Ward	Waitetuna Community	-	-	-	-	0.72	-	0%	0%	
Newcastle Ward	Horotiu Community	-	-	-	-	-	-	0%	0%	
Newcastle Ward	Rotokauri Community	-	-	-	-	-	-	0%	0%	
	Te Kowhai Community	-	-	-	-	78.43	-	0%	0%	
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	-	-	-	0%	0%	
Eureka Ward	Eureka Community	-	-	-	-	-	-	0%	0%	
Eureka Ward	Matangi Community	-	-	-	-	-	-	0%	0%	
Eureka Ward	Puketaha Community	-	-	-	-	-	-	0%	0%	
Eureka Ward	Tauwhare Community	-	-	-	-	-	-	0%	0%	
Tamahere Ward	Hautapu Community	-	-	-	-	85.36	-	0%	0%	
Tamahere Ward	Tamahere Community	-	-	-	-	-	-	0%	0%	
Raglan Ward	Raglan Community	-	-	-	-	-	-	0%	0%	
Raglan Ward	Waitetuna-Te Uku Community	-	-	-	-	13.03	-	0%	0%	
Total		-	3.04	0.57	30.58	2,112.66	70.55	0%	0%	

Source: WDC Baseline Database



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Figure 0.14: National Grid Corridor - Environment and Aggregate Extraction by Ward Summary

	Pc	olicy Area of Effe	ect		Total District		Policy Area of Effect as Share of District					
Ward	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectares of Aggregate Resource Area (PDP)	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectares of Aggregate Resource Area (PDP)	Hectares of Env. Protection Area (PDP)	Hectares of Aggregate Extraction Area (PDP)	Hectares of Aggregate Resource Area (PDP)			
Awaroa ki Tuakau Ward	-	0.78	-	-	1,568.98	-	0%	0%	0%			
Whangamarino Ward	-	-	-	30.58	70.01	-	0%	0%	0%			
Onewhero Ward	-	-	-	-	32.81	-	0%	0%	0%			
Huntly Ward	-	2.26	0.57	-	113.53	70.55	0%	2%	1%			
Hukanui-Waerenga Ward	-	-	-	-	101.55	-	0%	0%	0%			
Ngaruawahia Ward	-	-	-	-	35.19	-	0%	0%	0%			
Whaingaroa Ward	-	-	-	-	13.77	-	0%	0%	0%			
Newcastle Ward	-	-	-	-	78.43	-	0%	0%	0%			
Eureka Ward	-	-	-	-	-	-	0%	0%	0%			
Tamahere Ward	-	-	-	-	85.36	-	0%	0%	0%			
Raglan Ward	-	-	-	-	13.03	-	0%	0%	0%			
Total	-	3.04	0.57	30.58	2,112.66	70.55	0%	0%	1%			



Communities or Groups and Cultural/Heritage Assets Directly Affected 3.4.2

Figure 0.15: National Grid Corridor - Community Property Summary

			Policy Are	a of Effect			Total I	District		Policy Area of Effect as Share of District			
Ward	Community	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	13,863.05	785.00	1,953	720	0%	0%	0%	0%
Awaroa ki Tuakau Ward	Pokeno Community	23.61	80	190	68	4,711.15	1,667	2,337	832	1%	5%	8%	8%
Awaroa ki Tuakau Ward	Tuakau Community	8.99	15	49	18	5,475.69	2,563.00	6,742	2,418	0%	1%	1%	1%
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	2,519.28	362	764	295	0%	0%	0%	0%
Whangamarino Ward	Mangatangi Community	-	-	-	-	17,589.56	114	298	111	0%	0%	0%	0%
Whangamarino Ward	Mangatawhiri Community	86.15	37	107	39	10,842.27	421	1,059	391	1%	9%	10%	10%
Whangamarino Ward	Maramarua Community	89.95	25	57	20	11,473.21	443	833	306	1%	6%	7%	7%
Whangamarino Ward	Meremere Community	23.27	45	83	29	7,364.42	430	802	275	0%	10%	10%	11%
Whangamarino Ward	Te Kauwhata	32.56	31	62	17	13,446.95	1,486	3,031	1,032	0%	2%	2%	2%
Onewhero Ward	Glen Murray Community	-	-	-	-	18,148.00	178	362	135	0%	0%	0%	0%
Onewhero Ward	Onewhero Community	-	-	-	-	18,763.09	672	1,600	601	0%	0%	0%	0%
Onewhero Ward	Port Waikato Community	-	-	-	-	13,658.20	582	777	293	0%	0%		
Onewhero Ward	Pukekawa-Opuatia Community	27.05	40	66	25	13,202.27	675	1,356	511	0%	6%		
Onewhero Ward	Waikaretu Community	-	-	-	-	7,978.06	56	99	37	0%	0%		
Huntly Ward	Huntly Community	90.61	259	619	216	16,404.50	3,808	8,722	3,168	1%	7%		
, Huntly Ward	Ohinewai Community	9.35	4	11	4	4,998.47	167	439	127	0%	2%		
Hukanui-Waerenga Ward	-	51.86	36	153	49	10,755.18	563	2,034	653	0%	6%		
	Orini-Tauhei Community	109.59	32	169	58	17,796.13	541	1,620	556	1%	6%		
Hukanui-Waerenga Ward	-	189.31	49	203	56	17,983.40	351	971	273	1%	14%		
-	Waiterimu-Te Hoe Community	196.89	49	176	49	22,337.64	270	736	211	1%	18%		
Ngaruawahia Ward	Horsham Downs Community	16.35	41	142	50	3,831.74	760	1,766	636	0%	5%		
Ngaruawahia Ward	Ngaruawahia Community	-	-	-	-	2,575.22	2,431	6,869	2,392	0%	0%		
Ngaruawahia Ward	Taupiri Community	17.48	35	94	34	2,896.17	436	986	376	1%	8%		
Whaingaroa Ward	Naike Community	-	-	-	-	11,120.79	87	185	71	0%	0%		
Whaingaroa Ward	Pukemiro Community	9.51	9	6	2	5,608.75	264	473	177	0%	3%		
Whaingaroa Ward	Rotongaro-Ruawaro Community	26.09	33	68	26	13,499.61	314	529	200	0%	11%		13%
Whaingaroa Ward	Rotowaro Community	2.06	4	3	1	2,087.83	104	223	83	0%	4%		
Whaingaroa Ward	Te Akau Community		-	-		112,760.99	358	397	153	0%	0%		
Whaingaroa Ward	Waingaro Community	26.21	16	47	17	21,242.43	483	877	327	0%	3%		
Whaingaroa Ward	Waitetuna Community	14.39	16	62	23	28,121.13	839	1,749	653	0%	2%		
Newcastle Ward	Horotiu Community	-	-	-		1,104.67	157	351	131	0%	0%		
Newcastle Ward	Rotokauri Community	-	_	-	-	1,626.09	355	1,000	350	0%	0%		
Newcastle Ward	Te Kowhai Community	17.14	2	3	1	4,858.01	810		736	0%	0%		
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	1	2,848.96	564	1,534	535	0%	0%		
Eureka Ward	Eureka Community	14.57	25	100	- 36	6,607.11	447	1,376	487	0%	6%		
Eureka Ward	Matangi Community	35.19	45	100	46	2,717.20	727	2,106	739	1%	6%		
Eureka Ward	Puketaha Community	48.37	26	98	35	4,720.69	343	1,055	374	1%	8%		
Eureka Ward	Tauwhare Community	2.51	1	- 30		6,332.56	410	1,033	374	0%	0%		
Tamahere Ward	Hautapu Community	45.34	45	- 95	- 33	3,790.18	894	2,505	862	1%	5%		
Tamahere Ward	Tamahere Community	45.54	61	152	54	1,584.68	1,215	3,174	1,103	1%	5%		
Raglan Ward	Raglan Community	- 10.50	10	-		3,805.21	2,326		1,103	0%	0%		
Raglan Ward	Waitetuna-Te Uku Community	-	-		-	29,007.92	651		370	0%	0%		
-			- 1	-	-	1,173.37		991	570	0%	5%		
Other not specified Total	Other not specified	1.93 1,232.89	1,062	- 2,942	- 1,005	523,231.83	20 31,129	- 71,601	25,686	0%	3%		

Source: WDC Baseline Database, Statistics NZ, M.E (July 2017 Property Snapshot). 2016 household and population counts at the property level are estimates only and may not accurately reflect household and population counts are observed in all cases

Figure 0.16: National Grid Corridor - Ward Property Summary

		Policy Are	ea of Effect			Total I	District		Policy Area of Effect as Share of District				
Ward	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016	Hectares of Properties	Count of Properties	Count of Estimated Pop. 2016	Count of Estimated Hholds. 2016	
Awaroa ki Tuakau Ward	32.60	95	239	85	26,569.17	5,377	11,797	4,264	0%	2%	2%	2%	
Whangamarino Ward	231.93	138	308	105	60,716.41	2,894	6,023	2,115	0%	5%	5%	5%	
Onewhero Ward	27.05	40	66	25	71,749.62	2,163	4,194	1,577	0%	2%	2%	2%	
Huntly Ward	99.96	263	630	220	21,402.97	3,975	9,162	3,295	0%	7%	7%	7%	
Hukanui-Waerenga Ward	547.65	166	700	212	68,872.35	1,725	5,361	1,693	1%	10%	13%	13%	
Ngaruawahia Ward	33.83	76	235	85	9,303.13	3,627	9,621	3,404	0%	2%	2%	2%	
Whaingaroa Ward	78.26	78	186	70	194,441.53	2,449	4,433	1,664	0%	3%	4%	4%	
Newcastle Ward	17.14	2	3	1	10,437.73	1,886	4,861	1,752	0%	0%	0%	0%	
Eureka Ward	100.64	97	328	116	20,377.56	1,927	5,687	1,996	0%	5%	6%	6%	
Tamahere Ward	61.90	106	247	87	5,374.86	2,109	5,679	1,965	1%	5%	4%	4%	
Raglan Ward	-	-	-	-	32,813.13	2,977	4,783	1,961	0%	0%	0%	0%	
Other not specified	1.93	1	-	-	1,173.37	20	-	-	0%	5%	0%	0%	
Total	1,232.89	1,062	2,942	1,005	523,231.83	31,129	71,601	25,686	0%	3%	4%	4%	

Source: WDC Baseline Database, Statistics NZ, M.E (July 2017 Property Snapshot). 2016 household and population counts at the property level are estimates only and may not accurately reflect household and population counts and distributions across properties in all cases

Figure 0.17: National Grid Corridor - Maaori Properties by Community Summary

			Policy Ar	ea of Effect			Total	District		Policy Area of Effect as Share of District				
Ward	Community	Count of Maaori Land Properties	Hectares of Maaori Land Properties		i Count of Maaori Site of Sig. Other (PDP)		Hectares of Maaori Land Properties		Count of Maaori Site of Sig. Other (PDP)	Count of Maaori	Hectares of Maaori Land Properties	Count of Maaori (Site of Sig. Paa S (PDP)		
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	16	285.40	18	-	0%	0%	6 0%	0%	
Awaroa ki Tuakau Ward	Pokeno Community	-	-	1	-	-	-	6	-	0%	0%	ы́ 17%	0%	
Awaroa ki Tuakau Ward	Tuakau Community	-	-	-	-	3	36.54	1	-	0%	0%	6 0%	0%	
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	-	_	4	-	0%	0%	6 0%	0%	
Whangamarino Ward	Mangatangi Community	-	-	-	-	15	151.51	10	-	0%	0%	6 0%	0%	
Whangamarino Ward	Mangatawhiri Community	-	-	5	1	3	179.41	7	1	0%	0%	6 71%	100%	
Whangamarino Ward	Maramarua Community	-	-	-	-	7	125.29	7	-	0%	0%	6 0%	0%	
Whangamarino Ward	Meremere Community	-	-	1	2	2	116.65	7	6	0%	0%		33%	
Whangamarino Ward	, Te Kauwhata	-	-	-	1	37	170.04	3	8	0%	0%		13%	
Onewhero Ward	Glen Murray Community	_	_	_	_	8	115.98	-	-	0%	0%		0%	
Onewhero Ward	Onewhero Community	_	_	_	_	92	1,193.87	6	_	0%	0%		0%	
Onewhero Ward	Port Waikato Community	-	_	_		56	10,245.09	32		0%	0%		0%	
Onewhero Ward	Pukekawa-Opuatia Community	1	3.87	3		29	446.09	12		3%	1%		0%	
Onewhero Ward	Waikaretu Community	-	-			25	3,491.17	14		0%	0%		0%	
Huntly Ward	Huntly Community	29	204.88			105	430.93	12		28%	48%		0%	
Huntly Ward	Ohinewai Community	1	25.36			9	145.73	1		11%	17%		0%	
Hukanui-Waerenga Ward		-	-			29	91.34	1		0%	0%		0%	
-	Orini-Tauhei Community	2	30.58			17	94.97	3		12%	32%		0%	
Hukanui-Waerenga Ward	-	2		3		17	161.38	8		0%	0%		0%	
	Waiterimu-Te Hoe Community	-		2		36	1,609.91	8		0%	0%		0%	
-	-		-		-	30	1,009.91			0%			0%	
Ngaruawahia Ward	Horsham Downs Community	-	-	-	-	- 10	-	2			0%			
Ngaruawahia Ward	Ngaruawahia Community	-	-	-	-	18	69.59	1		0%	0%		0%	
Ngaruawahia Ward	Taupiri Community	-	-	1	-	10	3.86	2	-	0%	0%		0%	
Whaingaroa Ward	Naike Community	-	-	-	-	3	28.74	-	-	0%	0%		0%	
Whaingaroa Ward	Pukemiro Community	-	-	-	-	3	84.03	-	-	0%	0%		0%	
Whaingaroa Ward	Rotongaro-Ruawaro Community	7	52.27	2	-	51	411.46	7	1	14%	13%		0%	
Whaingaroa Ward	Rotowaro Community	-	-	-	-	-	-	-	-	0%	0%		0%	
Whaingaroa Ward	Te Akau Community	-	-	-	-	46	2,961.64	38	4	0%	0%		0%	
Whaingaroa Ward	Waingaro Community	3	82.99	-	-	56	3,271.36	5	-	5%	3%		0%	
Whaingaroa Ward	Waitetuna Community	3	114.49	-	-	107	3,828.25	8	-	3%	3%	6 0%	0%	
Newcastle Ward	Horotiu Community	-	-	-	-	8	13.71	-	-	0%	0%	6 0%	0%	
Newcastle Ward	Rotokauri Community	-	-	-	-	-	-	1	-	0%	0%	6 0%	0%	
Newcastle Ward	Te Kowhai Community	-	-	-	-	15	74.65	4	-	0%	0%	6 0%	0%	
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	-	19	18.75	4	-	0%	0%	6 0%	0%	
Eureka Ward	Eureka Community	-	-	-	-	-		1	-	0%	0%	6 0%	0%	
Eureka Ward	Matangi Community	-	-	1	-	16	57.07	1	-	0%	0%	۶ 100%	0%	
Eureka Ward	Puketaha Community	-	_	-	-	-	_	-	-	0%	0%		0%	
Eureka Ward	Tauwhare Community	-	-	-	-	56	1,105.99	-	1	0%	0%		0%	
Tamahere Ward	Hautapu Community	-	-	1	-	1	0.10	15	4	0%	0%		0%	
Tamahere Ward	Tamahere Community	-	-	1		1	4.31			0%	0%		0%	
Raglan Ward	Raglan Community	-	-	-	_	57	740.03			0%	0%		0%	
Raglan Ward	Waitetuna-Te Uku Community	_	_	_	_	62	2,674.39			0%	0%		0%	
Other not specified	Other not specified	_		-	_	-	_,0,		-	0%	0%		0%	
Total		46	514.44		4	1,032	34,439.23	302	78				5%	

Figure 0.18: National Grid Corridor - Maaori Properties by Ward Summary

		Policy Are	a of Effect			Total	District		Policy Area of Effect as Share of District				
Ward	Count of Maaori Land Properties	Hectares of Maaori Land Properties	Count of Maaori Site of Sig. Paa (PDP)	Count of Maaori Site of Sig. Other (PDP)	Count of Maaori Land Properties	Hectares of Maaori Land Properties	Count of Maaori Site of Sig. Paa (PDP)	Count of Maaori Site of Sig. Other (PDP)	Count of Maaori Land Properties	Hectares of Maaori Land Properties		Count of Maaori Site of Sig. Other (PDP)	
Awaroa ki Tuakau Ward	-	-	1	-	19	321.94	29	-	0%	0%	3%	0%	
Whangamarino Ward	-	-	6	4	64	742.90	34	15	0%	0%	18%	27%	
Onewhero Ward	1	3.87	3	-	210	15,492.20	64	-	0%	0%	5%	0%	
Huntly Ward	30	230.24	3	-	114	576.66	13	15	26%	40%	23%	0%	
Hukanui-Waerenga Ward	2	30.58	5	-	96	1,957.60	20	26	2%	2%	25%	0%	
Ngaruawahia Ward	-	-	1	-	28	73.45	5	5	0%	0%	20%	0%	
Whaingaroa Ward	13	249.75	2	-	266	10,585.48	58	5	5%	2%	3%	0%	
Newcastle Ward	-	-	-	-	42	107.11	9	-	0%	0%	0%	0%	
Eureka Ward	-	-	1	-	72	1,163.06	2	1	0%	0%	50%	0%	
Tamahere Ward	-	-	2	-	2	4.41	21	5	0%	0%	10%	0%	
Raglan Ward	-	-	-	-	119	3,414.42	47	6	0%	0%	0%	0%	
Other not specified	-	-	-	-	-	-	-	-	0%	0%	0%	0%	
Total	46	514.44	24	4	1,032	34,439.23	302	78	4%	1%	8%	5%	

Source: WDC Baseline Database (July 2017 Property Snapshot)

Figure 0.19: National Grid Corridor - Heritage and Trees by Community Summary

			Policy Are	a of Effect			Total D	District		Policy Area of Effect as Share of District			
Community	Community	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	48	1	-	-	0%	0%	0%	0%
Awaroa ki Tuakau Ward	Pokeno Community	4	-	-	-	27	7	-	6	15%	0%	0%	0%
Awaroa ki Tuakau Ward	Tuakau Community	4	-	-	-	24	14	-	2	17%	0%	0%	0%
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	6	1	-	-	0%	0%	0%	0%
Whangamarino Ward	Mangatangi Community	-	-	-	-	49	-	-	-	0%	0%	0%	0%
Whangamarino Ward	Mangatawhiri Community	21	-	-	-	28	-	-	-	75%	0%	0%	0%
Whangamarino Ward	Maramarua Community	2	-	-	-	14	3	-	-	14%	0%	0%	0%
Whangamarino Ward	Meremere Community	2	-	-	-	15	2	-	2	13%	0%	0%	0%
Whangamarino Ward	Te Kauwhata	3	-	-	-	31	12	2	2	10%	0%	0%	0%
Onewhero Ward	Glen Murray Community	_	-	_	_	1	-	_	_	0%	0%	0%	
Onewhero Ward	Onewhero Community	_	-	_	_	11	4	_	_	0%	0%	0%	
Onewhero Ward	Port Waikato Community	-	-	_	-	121	3	-	-	0%	0%	0%	0%
Onewhero Ward	Pukekawa-Opuatia Community	6	-	_	_	30	2	_	_	20%	0%	0%	
Onewhero Ward	Waikaretu Community	-	-		_	56	-		-	0%	0%	0%	
Huntly Ward	Huntly Community	24			2	67	28	1	17	36%	0%	0%	
Huntly Ward	Ohinewai Community	21			-	15	-	-	-	13%	0%	0%	0%
Hukanui-Waerenga Ward	-	1		-	1	21	6		6	19%	0%	0%	
	Orini-Tauhei Community	-	-	-		7			-	0%	0%	0%	0%
Hukanui-Waerenga Ward		3	_	-		11	4		1	27%	0%	0%	
Hukanui-Waerenga Ward		3		-	_	16		_		19%	0%	0%	0%
Ngaruawahia Ward	Horsham Downs Community	-		-		35	1		-	0%	0%	0%	
Ngaruawahia Ward	Ngaruawahia Community	-	-		-	34	47		- 9	0%	0%	0%	
•		- 6	-	-	- 1		47	-	9	21%			25%
Ngaruawahia Ward	Taupiri Community	0	-	_	1	28		-	4		0%	0%	
Whaingaroa Ward	Naike Community	-	-	_	-	3	-	-	1	0%	0%	0%	
Whaingaroa Ward	Pukemiro Community	16	-	-	-	23	1	-	-	70%	0%	0%	
Whaingaroa Ward	Rotongaro-Ruawaro Community	5	-	-	-	23	-	-	-	22%	0%	0%	
Whaingaroa Ward	Rotowaro Community	-	-	-	-	2	-	-	-	0%	0%	0%	0%
Whaingaroa Ward	Te Akau Community	-	-	-	-	318	3	-	-	0%	0%	0%	
Whaingaroa Ward	Waingaro Community	-	1	-	-	8	8	-	-	0%	13%	0%	
Whaingaroa Ward	Waitetuna Community	-	-	-	-	23	-	-	-	0%	0%	0%	
Newcastle Ward	Horotiu Community	-	-	-	-	5	-	-	2	0%	0%	0%	
Newcastle Ward	Rotokauri Community	-	-	-	-	1	-	-	-	0%	0%	0%	
Newcastle Ward	Te Kowhai Community	1	-	-	-	11	2	-	-	9%	0%	0%	
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	-	7	1	-	-	0%	0%	0%	
Eureka Ward	Eureka Community	-	-	-	-	1	1	-	3	0%	0%	0%	0%
Eureka Ward	Matangi Community	1	-	-	-	1	12	1	-	100%	0%	0%	
Eureka Ward	Puketaha Community	-	-	-	3	-	4	-	4	0%	0%	0%	75%
Eureka Ward	Tauwhare Community	-	-	-	-	-	2	-	-	0%	0%	0%	
Tamahere Ward	Hautapu Community	1	-	-	-	79	2	-	10	1%	0%	0%	0%
Tamahere Ward	Tamahere Community	1	-	-	-	19	2	-	6	5%	0%	0%	0%
Raglan Ward	Raglan Community	-	-	-	-	71	16	-	5	0%	0%	0%	0%
Raglan Ward	Waitetuna-Te Uku Community	-	-	-	-	191	9	-	-	0%	0%	0%	0%
Other Not Specified	Other not specified	-	-	_	-	_	-	-	-	0%	0%	0%	0%
Total		109	1	-	7	1,481	205	3	80	7%		0%	9%

Figure 0.20: National Grid Corridor - Heritage and Trees by Ward Summary

		Policy Are	a of Effect			Total D	istrict		Policy Area of Effect as Share of District				
Ward	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)	Count of NZAA Sites (PDP)	Count of Heritage Items (PDP)	Hectares of Heritage Precinct	Count of Notable Trees (PDP)	
Awaroa ki Tuakau Ward	8	-	-	-	105	23	-	8	8%	0%	0%	0%	
Whangamarino Ward	28	-	-	-	137	17	2	4	20%	0%	0%	0%	
Onewhero Ward	6	_	-	-	219	9	-	-	3%	0%	0%	0%	
Huntly Ward	26	-	-	2	82	28	1	17	32%	0%	0%	12%	
Hukanui-Waerenga Ward	10	-	-	1	55	10	-	7	18%	0%	0%	14%	
Ngaruawahia Ward	6	-	-	1	97	55	-	13	6%	0%	0%	8%	
Whaingaroa Ward	21	1	-	-	400	12	-	1	5%	8%	0%	0%	
Newcastle Ward	1	-	-	-	24	3	-	2	4%	0%	0%	0%	
Eureka Ward	1	-	-	3	2	19	1	7	50%	0%	0%	43%	
Tamahere Ward	2	-	-	-	98	4	-	16	2%	0%	0%	0%	
Raglan Ward	-	-	-	-	262	25	-	5	0%	0%	0%	0%	
Other not specified	-	-	-	-	-	-	-	-	0%	0%	0%	0%	
Total	109	1	-	7	1,481	205	3	80	7%	0%	0%	9%	

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Figure 0.21: National Grid Corridor - Area of Effect Other Property Categories by Community Summary

					Pc	olicy Area of Effe	ect			
Ward	Community	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Othe Owned Properties
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	-	-	-	-	-	-	-	-	-
Awaroa ki Tuakau Ward	Pokeno Community	2	-	-	-	-	-	-	-	12
Awaroa ki Tuakau Ward	Tuakau Community	-	-	-	-	-	-	-	-	2
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	-	-	-	-	-	-	-	-	-
Whangamarino Ward	Mangatangi Community	-	-	-	-	-	-	-	-	-
Whangamarino Ward	Mangatawhiri Community	-	-	-	1	1	-	-	-	5
Whangamarino Ward	Maramarua Community	-	-	-	1	-	-	1	-	3
Whangamarino Ward	Meremere Community	4	1	-	-	-	-	-	1	5
Whangamarino Ward	Te Kauwhata	-	-	-	-	-	-	4	-	4
Onewhero Ward	Glen Murray Community	-	-	-	-	-	-	-	-	-
Onewhero Ward	Onewhero Community	-	-	-	-	-	-	-	-	-
Onewhero Ward	Port Waikato Community	-	-	-	-	-	-	-	-	-
Onewhero Ward	Pukekawa-Opuatia Community	-	1	-	-	-	-	-	-	7
Onewhero Ward	Waikaretu Community	-	-	-	-	-	-	-	-	-
Huntly Ward	Huntly Community	9	1	15	-	-	3	2	3	35
Huntly Ward	Ohinewai Community	1	-	-	-	-	-	-	-	
	Gordonton Community	-	-	-	-	-	-	1	-	7
Hukanui-Waerenga Ward	Orini-Tauhei Community	-	-	-	-	-	-	-	-	4
Hukanui-Waerenga Ward	Waerenga Community	-	-	-	1	1	-	-	-	7
	Waiterimu-Te Hoe Community	1	-	-	-	-	-	-	-	8
Ngaruawahia Ward	Horsham Downs Community	1	-	-	-	-	-	2	-	7
Ngaruawahia Ward	Ngaruawahia Community	-	-	-	-	-	-	-	-	-
Ngaruawahia Ward	Taupiri Community	-	-	1	-	-	-	-	-	6
Whaingaroa Ward	Naike Community	-	-	-	-	-	-	-	-	-
Whaingaroa Ward	Pukemiro Community	-	-	-	-	-	-	-	-	1
Whaingaroa Ward	Rotongaro-Ruawaro Community	-	4	-	-	-	1	-	-	4
Whaingaroa Ward	Rotowaro Community	-	-	-	-	-	-	-	-	
Whaingaroa Ward	Te Akau Community	-	-	-	-	-	-	-	-	-
Whaingaroa Ward	Waingaro Community	1	-	-	-	-	-	-	-	2
Whaingaroa Ward	Waitetuna Community	-	-	-	_	-	-	-	-	3
Newcastle Ward	Horotiu Community	-	-	-	-	-	-	-	-	-
Newcastle Ward	Rotokauri Community	_	_	-	_	-	-	-	_	-
Newcastle Ward	Te Kowhai Community	-	-	-	-	-	-	-	-	
Newcastle Ward	Whatawhata-Koromatua Community	-	-	-	_	-	-	-	_	-
Eureka Ward	Eureka Community	_	_	-	_	-	-	-	_	4
Eureka Ward	Matangi Community	_	_	_	_	_	-	-	_	8
Eureka Ward	Puketaha Community	_	_	_	_	_	_	-	_	4
Eureka Ward	Tauwhare Community	_	_	-	-	-	_	-	_	
Tamahere Ward	Hautapu Community	_	_	-	-	-	_	-	_	8
Tamahere Ward	Tamahere Community	2				1				11
Raglan Ward	Raglan Community			-	-	-		_		-
Raglan Ward	Waitetuna-Te Uku Community			-	-			-		_
	Other not specified	_	_			_		_		
Total	other not specified	21	- 7	- 16	3	3	- 4	10	- 4	1,66



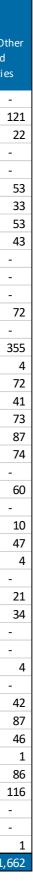


Figure 0.22: National Grid Corridor - Area of Effect Other Property Categories by Ward Summary

	Policy Area of Effect												
Ward	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Other Owned Properties				
Awaroa ki Tuakau Ward	2	-	-	-	-	-	-	-	143				
Whangamarino Ward	4	1	-	2	1	-	5	1	182				
Onewhero Ward	-	1	-	-	_	-	-	-	72				
Huntly Ward	10	1	15	_	_	3	2	3	359				
Hukanui-Waerenga Ward	1	_	-	1	1	-	1	-	273				
Ngaruawahia Ward	1	_	1	_	_	-	2	-	134				
Whaingaroa Ward	1	4	-	_	-	1	-	-	116				
Newcastle Ward	-	-	-	_	-	-	-	-	4				
Eureka Ward	-	-	-	-	-	-	-	-	176				
Tamahere Ward	2	-	-	-	1	-	-	-	202				
Raglan Ward	-	-	-	-	-	-	-	-	-				
Other not specified	-	-	-	-	_	-	-	-	1				
Total	21	7	16	3	3	4	10	4	1,662				



Figure 0.23: National Grid Corridor - Other Property Categories by Community Summary

						Total District				
Ward	Community	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Othe Owned Properties
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	13	2	-	5	7	1	-	5	1,39
Awaroa ki Tuakau Ward	Pokeno Community	72	1	-	3	5	2	8	1	2,79
Awaroa ki Tuakau Ward	Tuakau Community	38	-	40	1	1	-	-	3	4,15
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	2	-	-	4	2	1	-	-	64
Whangamarino Ward	Mangatangi Community	3	-	-	5	-	-	-	1	18
Whangamarino Ward	Mangatawhiri Community	7	3	-	2	2	-	11	1	68
Whangamarino Ward	Maramarua Community	9	-	-	6	-	2	13	-	70
Whangamarino Ward	Meremere Community	12	2	-	8	-	5	9	2	61
Whangamarino Ward	Te Kauwhata	40	3	4	9	1	4	49	4	2,32
Onewhero Ward	Glen Murray Community	5	-	-	3	5	1	-	-	27
Onewhero Ward	Onewhero Community	8	-	-	_	12	2	_	3	1,17
Onewhero Ward	Port Waikato Community	18	-	-	5	2	1	-	1	95
Onewhero Ward	Pukekawa-Opuatia Community	9	2	-	2	6	2	-	1	1,18
Onewhero Ward	Waikaretu Community	6	-	-	2	6	-	-	2	9
Huntly Ward	Huntly Community	119	33	200	12	2	73	12	14	5,33
Huntly Ward	Ohinewai Community	9	1	-	6	-	2	9	1	24
Hukanui-Waerenga Ward	Gordonton Community	17	-	2	-	-	4	4	2	1,01
Hukanui-Waerenga Ward		12	5	-	1	1	13	5	1	88
Hukanui-Waerenga Ward		9	-	-	1	1	3	3	1	54
Hukanui-Waerenga Ward		9	-	-	3	11	3	-	1	43
Ngaruawahia Ward	Horsham Downs Community	20	-	-	2	1	1	29	3	1,34
Ngaruawahia Ward	Ngaruawahia Community	69	-	96	1	-	5	1	6	3,70
Ngaruawahia Ward	Taupiri Community	27	-	1	-	-	2	7	1	70
Whaingaroa Ward	Naike Community	3	-	-	-	2	3	-	-	14
Whaingaroa Ward	Pukemiro Community	7	-	-	1	-	2	-	1	35
Whaingaroa Ward	Rotongaro-Ruawaro Community	10	15	-	6	-	4	-	-	51
Whaingaroa Ward	Rotowaro Community	2	-	-	-	1	-	-	-	15
Whaingaroa Ward	Te Akau Community	12	-	-	1	6	3	1	1	65
Whaingaroa Ward	Waingaro Community	20	-	-	3	5	4	2	2	75
Whaingaroa Ward	Waitetuna Community	24	-	-	7	7	5	1	1	1,47
Newcastle Ward	Horotiu Community	1	-	-	-	-	-	3	-	28
Newcastle Ward	Rotokauri Community	7	-	-	-	-	1	1	1	71
Newcastle Ward	Te Kowhai Community	15	-	-	1	3	3	-	1	1,53
Newcastle Ward	Whatawhata-Koromatua Community	7	-	-	4	4	3	-	1	1,05
Eureka Ward	Eureka Community	3	-	-	-	-	-	-	-	86
Eureka Ward	Matangi Community	16	-	-	-	1	2	-	1	1,37
Eureka Ward	Puketaha Community	1	-	-	-	1	1	13	1	64
Eureka Ward	Tauwhare Community	3	-	-	1	1	2	-	1	78
Tamahere Ward	Hautapu Community	12	-	-	1	-	-	29	-	1,74
Tamahere Ward	Tamahere Community	32	-	-	-	3	-	17	2	2,40
Raglan Ward	Raglan Community	84	-	11	6	2	3	-	5	4,02
Raglan Ward	Waitetuna-Te Uku Community	25	-	-	10	8	12	-	2	1,07
_	Other not specified	3	-	-	-	-	1	3	-	2
Total	÷.	820	67	354	122	109	176	230	74	51,94

Source: WDC Baseline Database (July 2017 Property Snapshot)



,154

Figure 0.24: National Grid Corridor - Other Property Categories by Ward Summary

					Total District				
Ward	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Other Owned Properties
Awaroa ki Tuakau Ward	125	3	40	13	15	4	8	9	8,984
Whangamarino Ward	71	8	4	30	3	11	82	8	4,504
Onewhero Ward	46	2	-	12	31	6	-	7	3,679
Huntly Ward	128	34	200	18	2	75	21	15	5,578
Hukanui-Waerenga Ward	47	5	2	5	13	23	12	5	2,883
Ngaruawahia Ward	116	-	97	3	1	8	37	10	5,762
Whaingaroa Ward	78	15	-	18	21	21	4	5	4,043
Newcastle Ward	30	-	-	5	7	7	4	3	3,584
Eureka Ward	23	-	-	1	3	5	13	3	3,660
Tamahere Ward	44	_	-	1	3	_	46	2	4,146
Raglan Ward	109	-	11	16	10	15	-	7	5,098
Other not specified	3	-	-	-	-	1	3	-	20
Total	820	67	354	122	109	176	230	74	51,941



Figure 0.25: National Grid Corridor - Policy Area Effect as Share of District, Other Property Categories by Community Summary

					Policy Area	of Effect as Shan	e of District			
Ward	Community	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Other Owned Properties
Awaroa ki Tuakau Ward	Otaua-Aka Aka Community	0%	0%	0%	0%	0%	0%	0%	0%	0
Awaroa ki Tuakau Ward	Pokeno Community	3%	0%	0%	0%	0%	0%	0%	0%	49
Awaroa ki Tuakau Ward	Tuakau Community	0%	0%	0%	0%	0%	0%	0%	0%	19
Awaroa ki Tuakau Ward	Waiuku-Karioitahi Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Whangamarino Ward	Mangatangi Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Whangamarino Ward	Mangatawhiri Community	0%	0%	0%	50%	50%	0%	0%	0%	8
Whangamarino Ward	Maramarua Community	0%	0%	0%	17%	0%	0%	8%	0%	59
Whangamarino Ward	Meremere Community	33%	50%	0%	0%	0%	0%	0%	50%	99
Whangamarino Ward	Te Kauwhata	0%	0%	0%	0%	0%	0%	8%	0%	29
Onewhero Ward	Glen Murray Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Onewhero Ward	Onewhero Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Onewhero Ward	Port Waikato Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Onewhero Ward	Pukekawa-Opuatia Community	0%	50%	0%	0%	0%	0%	0%	0%	69
Onewhero Ward	Waikaretu Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Huntly Ward	Huntly Community	8%	3%	8%	0%	0%	4%	17%	21%	75
Huntly Ward	Ohinewai Community	11%	0%	0%	0%	0%	0%	0%	0%	29
Hukanui-Waerenga Ward	Gordonton Community	0%	0%	0%	0%	0%	0%	25%	0%	75
Hukanui-Waerenga Ward		0%	0%	0%	0%	0%	0%	0%	0%	59
Hukanui-Waerenga Ward	Waerenga Community	0%	0%	0%	100%	100%	0%	0%	0%	139
Hukanui-Waerenga Ward		11%	0%	0%	0%	0%	0%	0%	0%	209
Ngaruawahia Ward	Horsham Downs Community	5%	0%	0%	0%	0%	0%	7%	0%	59
Ngaruawahia Ward	Ngaruawahia Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Ngaruawahia Ward	Taupiri Community	0%	0%	100%	0%	0%	0%	0%	0%	89
Whaingaroa Ward	Naike Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Whaingaroa Ward	Pukemiro Community	0%	0%	0%	0%	0%	0%	0%	0%	39
Whaingaroa Ward	Rotongaro-Ruawaro Community	0%	27%	0%	0%	0%	25%	0%	0%	99
Whaingaroa Ward	Rotowaro Community	0%	0%	0%	0%	0%	0%	0%	0%	39
Whaingaroa Ward	Te Akau Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Whaingaroa Ward	Waingaro Community	5%	0%	0%	0%	0%	0%	0%	0%	39
Whaingaroa Ward	Waitetuna Community	0%	0%	0%	0%	0%	0%	0%	0%	29
Newcastle Ward	Horotiu Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Newcastle Ward	Rotokauri Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Newcastle Ward	Te Kowhai Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Newcastle Ward	Whatawhata-Koromatua Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Eureka Ward	Eureka Community	0%	0%	0%	0%	0%	0%	0%	0%	59
Eureka Ward	Matangi Community	0%	0%	0%	0%	0%	0%	0%	0%	65
Eureka Ward	Puketaha Community	0%	0%	0%	0%	0%	0%	0%	0%	75
Eureka Ward	Tauwhare Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Tamahere Ward	Hautapu Community	0%	0%	0%	0%	0%	0%	0%	0%	59
Tamahere Ward	Tamahere Community	6%	0%	0%	0%	33%	0%	0%	0%	59
Raglan Ward	Raglan Community	0%	0%	0%	0%	0%	0%	0%	0%	09
Raglan Ward	Waitetuna-Te Uku Community	0%	0%	0%	0%	0%	0%	0%	0%	09
	Other not specified	0%	0%	0%	0%	0%	0%	0%	0%	55
Total	1	3%	10%	5%	2%	3%	2%	4%	5%	39

Source: WDC Baseline Database (July 2017 Property Snapshot)



0% 4% 1% 0% 0% 8% 5% 9% 2% 0% 0% 0% 6% 0% 7% 2% 7% 5% 13% 20% 5% 0% 8% 0% 3% 9% 3% 0% 3% 2% 0% 0% 0% 0% 5% 6% 7% 0% 5% 5% 0% 0% 5% 3%

Figure 0.26: National Grid Corridor - Policy Area Effect as Share of District, Other Property Categories by Ward Summary

				Policy Area	of Effect as Shar	e of District			
Ward	Count of Waikato DC Properties	Count of WRC Properties	Count of HNZC Properties	Count of DOC Properties	Count of QEII Properties	Count of LINZ Properties	Count of NZTA Properties	Count of Min. Education Properties	Count of Other Owned Properties
Awaroa ki Tuakau Ward	2%	0%	0%	0%	0%	0%	0%	0%	2%
Whangamarino Ward	6%	13%	0%	7%	33%	0%	6%	13%	4%
Onewhero Ward	0%	50%	0%	0%	0%	0%	0%	0%	2%
Huntly Ward	8%	3%	8%	0%	0%	4%	10%	20%	6%
Hukanui-Waerenga Ward	2%	0%	0%	20%	8%	0%	8%	0%	9%
Ngaruawahia Ward	1%	0%	1%	0%	0%	0%	5%	0%	2%
Whaingaroa Ward	1%	27%	0%	0%	0%	5%	0%	0%	3%
Newcastle Ward	0%	0%	0%	0%	0%	0%	0%	0%	0%
Eureka Ward	0%	0%	0%	0%	0%	0%	0%	0%	5%
Tamahere Ward	5%	0%	0%	0%	33%	0%	0%	0%	5%
Raglan Ward	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other not specified	0%	0%	0%	0%	0%	0%	0%	0%	5%
Total	3%	10%	5%	2%	3%	2%	4%	5%	3%



3.4.3 Industries/Economic Sectors Directly Affected

Figure 0.27: National Grid Corridor - Policy Area of Effect Business Count 2016 by Community and Ward Summary

	А	В	С	D	Е	F	G	Н	I	J	К	L _	М	N	0	Р	Q	R	S	
	Agriculture,			Electricity, Gas,				Accommodation	Transport,	Information	Financial and	Rental, Hiring	Professional,	Administrative	Public		Health Care and	Arts and		
	Forestry and	Mining	Manufacturing	Water and	Construction	Wholesale	Retail Trade	and Food	Postal and	Media and	Insurance	and Real Estate	Scientific and	and Support	Administration	Education and	Social	Recreation	Other Services	Total
	Fishing			Waste Services		Trade		Services	Warehousing	Telecommunicat ions	Services	Services	Technical Services	Services	and Safety	Training	Assistance	Services		
aua-Aka Aka Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 1	-	-	
keno Community	17	0	2	-	2	-	0	1	0	-	0	2	1	1	-	0	0	0	1	
akau Community	5	-	0	0	1	0	0	-	0	-	0	1	0	0	-	0	-	-	-	
aiuku-Karioitahi Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
angatangi Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
angatawhiri Community	11	-	1	-	2	0	-	-	-	0	2	0	1	0	1	-	-	-	0	
aramarua Community	11	3	2	-	-	0	-	-	-	-	1	1	-	-	-	-	-	-	-	
eremere Community	3	-	2	2	0	-	1	0	-	1	-	1	-	-	-	1	-	-	0	
Kauwhata	12	-	0	-	0	0	-	-	0	-	0	1	-	0	-	-	-	-	-	
en Murray Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ewhero Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
rt Waikato Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ukekawa-Opuatia Community	13	-	0	0	0	0	0	0	0	-	0	0	0	0	-	0	-	0	0	
aikaretu Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
untly Community	32	0	2	-	4	-	1	1	3	-	-	6	2	1	-	3	1	1	1	
hinewai Community	4	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ordonton Community	16	-	1	-	0	-	-	1	-	-	0	4	0	-	-	0	-	-	0	
rini-Tauhei Community	37	-	3	-	0	-	0	-	-	-	-	0	-	-	-	-	-	-	0	
aerenga Community	36	-	1	-	-	-	-	-	-	-	0	0	0	0	-	-	-	-	-	
/aiterimu-Te Hoe Community	27	-	1	-	1	0	0	-	-	-	0	5	-	-	-	-	-	0	0	
orsham Downs Community	16	-	2	-	3	0	1	-	1	0	1	3	1	-	-	0	0	1	0	
garuawahia Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
aupiri Community	9	-	0	-	1	-	0	-	0	-	0	3	1	0	-	0	-	1	0	
aike Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ukemiro Community	2	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	
otongaro-Ruawaro Community	6	-	-	-	0	0	-	0	0	-	0	1	0	0	-	-	-	-	0	
otowaro Community	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e Akau Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vaingaro Community	29	-	-	-	0	-	0	-	-	-	0	-	-	-	-	0	-	-	0	
/aitetuna Community	14	-	-	-	0	-	-	0	-	-	0	1	0	0	-	-	0	-	0	
orotiu Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
otokauri Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
e Kowhai Community	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
hatawhata-Koromatua Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
ureka Community	18	-	1	-	0	-	-	0	-	-	0	2	1	0	-	-	0	1	0	
atangi Community	16	-	3	-	3	0	1	1	0	-	1	4	2	0	-	0	0	0	0	
ketaha Community	10	-	1	-	1	0	0	-	-	-	0	1	0	0	-	-	-	0	0	
uwhare Community	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	
utapu Community	19	-	0	-	1	1	1	0	0	-	1	2	1	0	-	0	0	1	0	
mahere Community	5	-	0	-	0	-	1	-	0	0	0	3	1	0	0	0	1	-	0	
glan Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
aitetuna-Te Uku Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
tal	371	2	25	ว	20	2	7			1	7	44	10	5		6	2	5	5	

	А	В	С	D	E	F	G	н	1	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Insurance	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Auministrative	Public Administration and Safety		Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Awaroa ki Tuakau Ward	22	0	2	0	3	0	1	1	0	-	1	4	1	1	-	0	0	0	1	38
Whangamarino Ward	37	3	5	2	3	0	1	. 0	0	1	2	3	1	0	1	1	-	-	0	63
Onewhero Ward	13	-	0	0	0	0	0	0	0	-	0	0	0	0	-	0	-	0	0	15
Huntly Ward	35	0	3	-	4	-	1	1	3	-	-	6	2	1	-	3	1	1	1	63
Hukanui-Waerenga Ward	115	-	6	-	1	0	0	1	-	-	1	10	1	0	-	0	-	0	1	136
Ngaruawahia Ward	25	-	2	-	4	0	1	-	1	0	1	6	2	0	-	0	0	1	0	43
Whaingaroa Ward	51	-	-	-	0	0	0	0	0	-	0	2	0	1	-	0	0	_	0	56
Newcastle Ward	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	-	1
Eureka Ward	46	-	5	-	4	0	1	. 1	0	-	2	7	2	1	-	0	0	1	1	72
Tamahere Ward	24	-	0	-	1	1	1	0	0	0	1	5	1	1	0	0	1	1	0	40
Raglan Ward	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	371	3	25	2	20	3	7	5	6	1	7	44	10	5	1	6	2	5	5	528

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot). 2016 business and employment counts at the property level are estimates only and may not accurately reflect business and employment counts and distributions across properties in all cases. Employment includes employees and estimated counts of warking proprietors.

Figure 0.28: District Total Business Count 2016 by Community and Ward Summary

	А	В	С	D	E	F	G	Н	I.	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
									e e	ions			Services		-					
Otaua-Aka Aka Community	154	1			21	6	3		7	-	18	61					4	2	3	32
Pokeno Community	79	1			41	4	10	6	6	-	11	60	14		4	_	1	4	11	28
Tuakau Community	113	-	42		78	14	31	13	19	1	31	108	40		4	9	15	9	23	56
Waiuku-Karioitahi Community	52	-	2		20	-	1	2	6	-	4	23	6		-	-	1	2	0	12
Mangatangi Community	32	2			5	-	-	-	-	-	4	11	2		-	2	-	-	3	6
Mangatawhiri Community	72	-	11	3	18	1	5	3	4	_	8	22	10		1		1	1	3	17
Maramarua Community	73	3	-		8	2	3	3	7		5	26	2		1		1	2	· ·	14
Meremere Community	18	1				2	4	2	2		2	16	2		-	2	_	-	1	7
Te Kauwhata	90	1	1 15	2	33	11	9	8	7	2	12	60	8	7	3	6	6	5	20	30
Glen Murray Community	59	-	3	-	5	1	3	2	-	-	5	20	1	1	-	-	-	2	-	10
Onewhero Community	127	-	6	-	29	4	3	1	4	-	8	41	3	9	1	4	3	1	4	24
Port Waikato Community	15	-	-	-	5	1	1	3	1	-	1	8	3	1	1	2	0	1	5	4
Pukekawa-Opuatia Community	119	1	1 7	2	18	6	5	1	4	-	7	47	21	5	1	5	-	3	5	25
Waikaretu Community	10	1	1 -	2	2	-	-	-	-	-	1	6	1	-	-	1	-	1	-	2
Huntly Community	110	4	4 27	3	84	10	50	22	33	4	16	120	29	19	8	24	31	12	35	64
Ohinewai Community	47	-	4	1	7	1	-	1	2	-	4	26	3	-	-	2	-	1	1	10
Gordonton Community	113	1	1 7	1	13	3	3	7	1	-	18	76	8	2	1	6	1	4	7	27
Orini-Tauhei Community	182	2	2 9	-	18	4	6	2	4	-	8	63	9	6	1	2	1	1	4	32
Waerenga Community	100	1	1 8	-	5	4	-	-	4	1	9	54	13	1	-	1	-	2	1	20
Waiterimu-Te Hoe Community	89	-	1	-	6	3	1	-	-	1	2	49	1	-	-	1	-	1	2	15
Horsham Downs Community	68	1	1 11	2	42	5	6	2	3	4	15	44	18	2	1	5	10	2	4	24
Ngaruawahia Community	59	1	1 14	2	69	10	30	11	9	3	9	64	18	6	9	19	20	17	21	39
Taupiri Community	54	-	5	-	8	1	3	3	2	0	7	32	11		-	3	6	5		14
Naike Community	36	-	1	-	2	1	-	-	-	-	1	11	6		-	-	-	1	1	5
Pukemiro Community	17	1	1 3	-	5	-	-	1	2	-	1	10	-	1	-	0	-	-	0	4
Rotongaro-Ruawaro Community	59	-	-	-	8	1	-	2	3	-	7	19		1	-	2	-	-	3	10
Rotowaro Community	17	-	1	-	-		-		-	-		2		-	-	-	-	-	1	2
Te Akau Community	76	-	2		3	1	-	-	1	-	1	22	5	1	-	4	-	3	2	12
Waingaro Community	101	-	5			1	3	3	2	-	5	15			-	3		1		17
Waitetuna Community	88	-	7		23	2	11	2	5	-	13	40	13			1	-	1		22
Horotiu Community	16	-	1		4	-	1	-	1	-	2	4	1				1	-	1	3
Rotokauri Community	27	-	7		20	6	6	-	2	2	11	34	14	-	-	1	8	3		14
Te Kowhai Community	89	-	13		20	5	4	3	10		13	41	14			-	-	1		23
Whatawhata-Koromatua Community	45		4		22	2		4	2	1	9	39	7			2		2		15
Eureka Community	106	-	8		7	1	3	2	1	-	7	35	15			1		5	-	21
Matangi Community	85	-	11		33	5	3	5	4	-	15	52	15			3		5	7	26
Puketaha Community	52	-	2		33 19	10	5	-	4	- 1	9	26	9	-		3		4		15
,	52	-	3		8	- 10	3	- 1	1	-	3	26	5			2	-	2	-	15
Tauwhare Community			-		-		1	_										-		
Hautapu Community	93	1			26	15	8	2		-	36	82	41			3		19		37
Tamahere Community	51	-	6		41	9	,	6	5	6	22	110	34			10	40	8	3	37
Raglan Community	37	-	24	2		7	23	31	11		14	67	48				23	17		42
Waitetuna-Te Uku Community	105	1			14	1	3	1	5	-	7		1	0	-	3	3	3	-	20 8,64
Total Source: WDC Baseline Database, Statistics NZ B	2,987	23 w/w 2017 Present		30		160	263	154	180	35	378	1,710	480				233	153	252	

	А	В	С	D	E	F	G	н	I.	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Awaroa ki Tuakau Ward	397	3	73	4	160	24	46	22	37	1	64	251	75	32	9	18	21	16	44	1,298
Whangamarino Ward	286	6	36	7	75	16	22	16	19	3	30	135	24	12	5	17	9	7	31	755
Onewhero Ward	330	2	16	3	58	12	11	6	9	-	22	121	30	16	2	12	3	8	13	676
Huntly Ward	157	4	31	4	91	11	50	23	35	4	20	146	32	19	8	26	31	13	37	742
Hukanui-Waerenga Ward	485	4	25	1	42	13	10	9	9	2	38	242	31	9	2	11	3	8	14	957
Ngaruawahia Ward	181	2	30	4	119	16	39	16	14	8	30	140	48	13	10	27	36	24	27	785
Whaingaroa Ward	394	1	17	2	57	6	14	8	13	-	28	119	31	10	-	11	12	7	17	746
Newcastle Ward	177	-	26	2	67	13	17	6	15	6	35	117	38	9	0	8	15	6	13	570
Eureka Ward	295	-	24	-	67	16	13	8	8	2	34	141	43	21	-	9	15	18	21	732
Tamahere Ward	144	1	18	-	66	25	16	8	6	6	58	192	75	24	2	13	62	26	9	750
Raglan Ward	142	1	30	3	88	8	26	32	15	3	21	105	55	13	4	15	26	20	26	635
Total	2,987	23	326	30	891	160	263	154	180	35	378	1,710	480	177	43	167	233	153	252	8,647

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot). 2016 business and employment counts at the property level are estimates only and may not accurately reflect business and employment counts at the property level are estimated counts of working proprietors.

Figure 0.29: National Grid Corridor - Policy Area Effect as Share of District, Business Count 2016 by Community and Ward Summary

	А	В	С	D	E	F	G	н	1	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Otaua-Aka Aka Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	S 0%	0%	0%	0%	0%	0%	0
Pokeno Community	21%	7%	10%	0%	6%	0%	3%	13%	4%	0%	4%	4%	4%	5 14%	0%	5%	2%	8%	8%	10
Tuakau Community	5%	0%	0%	5%	1%	3%	1%	0%	1%	0%	1%	1%	1%	5 2%	0%	1%	0%	0%	0%	2
Waiuku-Karioitahi Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 O%	0%	0%	0%	0%	0%	0
Mangatangi Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	0
Mangatawhiri Community	15%	0%	10%	0%	13%	29%	0%	0%	0%	4%	19%	2%	12%	5 7%	61%	0%	0%	0%	1%	11
Maramarua Community	16%	100%	54%	0%	0%	5%	0%	0%	0%	0%	12%	4%	0%	5 0%	0%	0%	0%	0%	0%	12
Meremere Community	14%	0%	38%	100%	4%	0%	36%	17%	0%	100%	0%	7%	0%	5 0%	0%	68%	0%	0%	35%	17
Te Kauwhata	13%	0%	1%	0%	1%	1%	0%	0%	1%	0%	0%	2%	0%	5 0%	0%	0%	0%	0%	0%	5
Glen Murray Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	0
Onewhero Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	6 0%	0%	0%	0%	0%	0%	0
Port Waikato Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	0
Pukekawa-Opuatia Community	11%	0%	6%	6%	0%	1%	1%	38%	1%	0%	1%	1%	1%	5 0%	0%	0%	0%	1%	0%	6
Waikaretu Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	0
Huntly Community	29%	5%	9%	0%	4%	0%	2%	4%	11%	0%	0%	5%	6%	8%	0%	11%	2%	11%	2%	9
Ohinewai Community	8%	0%	20%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	4
Gordonton Community	14%	0%	18%	0%	3%	0%	0%	9%	0%	0%	1%	5%	5%	5 0%	0%	8%	0%	0%	7%	9
Orini-Tauhei Community	20%	0%	32%	0%	1%	0%	1%	0%	0%	0%	0%	1%	0%	5 0%	0%	0%	0%	0%	2%	13
Waerenga Community	36%	0%	17%	0%	0%	0%	0%	0%	0%	0%	2%	1%	2%	5 14%	0%	0%	0%	0%	0%	19
Waiterimu-Te Hoe Community	30%	0%	50%	0%	11%	6%	11%	0%	0%	0%	16%	11%	0%	5 0%	0%	0%	0%	62%		22
Horsham Downs Community	23%	0%				8%	10%		19%	1%	6%		5%			1%		27%		11
, Ngaruawahia Community	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	0%	0%	0%	0%	0
Taupiri Community	17%	0%				0%	2%		9%	0%	1%		6%			16%		15%		10
Naike Community	0%	0%				0%	0%		0%	0%	0%		0%			0%		0%		C
Pukemiro Community	10%	0%				0%	0%		0%		0%		0%			0%		0%		5
Rotongaro-Ruawaro Community	10%	0%				4%	0%		8%	0%	1%		4%			0%		0%		7
Rotowaro Community	3%	0%				0%	0%		0%	0%	0%		0%			0%		0%		2
Te Akau Community	0%	0%				0%	0%		0%	0%	0%		0%			0%		0%		0
Waingaro Community	29%	0%				0%	7%		0%		4%		0%			12%		0%		18
Waitetuna Community	16%	0%				0%	0%		0%		0%		0%			0%		0%		7
Horotiu Community	0%	0%				0%	0%		0%		0%		0%			0%		0%		, C
Rotokauri Community	0%	0%				0%	0%	0%	0%	0%	0%		0%			0%		0%		0
Te Kowhai Community	2%	0%				0%	0%		0%		0%		0%			0%		0%		1
Whatawhata-Koromatua Community	0%	0%				0%	0%		0%	0%	0%		0%			0%		0%		0
Eureka Community	17%	0%				0%	0%		0%		3%		4%			0%		13%		11
Matangi Community	19%	0%				7%	23%		10%		7%		11%			7%		4%		12
Puketaha Community	20%	0%				1%	23%		0%		4%		3%			0%		9%		10
Fauwhare Community	4%	0%				0%	0%		0%	0%			0%			0%		0%		2
Hautapu Community	21%	0%				4%	6%		2%		2%		2%			0%		3%		7
Tamahere Community	10%	0%				4%	10%		1%		2%		2%			4%		0%		
Raglan Community	0%	0%				0%	0%		0%		2%		0%			4%	· · · ·	0%		
Waitetuna-Te Uku Community	0%	0%				0%	0%		0%		0%		0%			0%		0%		(
Total	12%	14%				2%	2%		3%	2%	2%		2%	1		4%		3%	I I	6

	Α	В	С	D	E	F	G	н		J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Awaroa ki Tuakau Ward	5%	4%	3%	4%	2%	2%	2%	3%	1%	0%	1%	2%	1%	4%	0%	1%	0%	2%	2%	3%
Whangamarino Ward	13%	49%	15%	29%	4%	3%	6%	2%	0%	20%	7%	2%	5%	3%	14%	7%	0%	0%	1%	8%
Dnewhero Ward	4%	0%	3%	3%	0%	0%	0%	6%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	2%
luntly Ward	23%	5%	10%	0%	4%	0%	2%	4%	10%	0%	0%	4%	6%	8%	0%	10%	2%	10%	2%	9%
lukanui-Waerenga Ward	24%	0%	25%	0%	3%	1%	2%	7%	0%	0%	2%	4%	2%	1%	0%	4%	0%	5%	5%	14%
Ngaruawahia Ward	14%	0%	6%	0%	3%	2%	2%	0%	6%	0%	3%	4%	3%	1%	0%	2%	0%	6%	1%	6%
Whaingaroa Ward	13%	0%	0%	0%	1%	1%	1%	2%	2%	0%	1%	1%	0%	5%	0%	4%	0%	0%	2%	7%
Newcastle Ward	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
ureka Ward	15%	0%	23%	0%	6%	3%	8%	17%	6%	0%	5%	5%	6%	3%	0%	2%	2%	7%	3%	10%
amahere Ward	17%	0%	2%	0%	2%	2%	8%	4%	1%	2%	2%	3%	2%	3%	2%	3%	2%	2%	5%	5%
Raglan Ward	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
otal	12%	14%	8%	7%	2%	2%	2%	3%	3%	2%	2%	3%	2%	3%	2%	4%	1%	3%	2%	6%

Figure 0.30: National Grid Corridor - Policy Area of Effect Employment Count 2016 by Community and Ward Summary

	А	В	С	D	E	F	G	Н	I.	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Otaua-Aka Aka Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pokeno Community	15	0			7	-	0	2	0	-	0		0	2		1	-	0	1	
Tuakau Community	4	-	0	0	7	0	0	-	0	-	0	1	0	0	-	0	-	-	-	13
Waiuku-Karioitahi Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mangatangi Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mangatawhiri Community	24	-	2		13	0		-	-	-	0		1	0	0	-	-	-	0	
Maramarua Community	8	15			-	0		-	-	-	0		-	-	-	-	-	-	-	24
Meremere Community	3	-	3		1	-	1	2	-	0	-	0	-	-	-	8	-	-	-	22
Te Kauwhata	28	-	0	-	3	0	-	-	0	-	0	0	-	0	-	-	-	-	-	31
Glen Murray Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Onewhero Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Waikato Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukekawa-Opuatia Community	33	-	0	0	0	0	0	0	0	-	0	0	0	0	-	0	-	-	-	35
Waikaretu Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Huntly Community	48	2	5	-	23	-	1	1	8	-	-	1	8	2	-	71	1	0	1	171
Ohinewai Community	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Gordonton Community	57	-	16		1	-	-	6	-	-	0	0	0	-	-	8	-	-	0	
Orini-Tauhei Community	77	-	11		0	-	0	-	-	-	-	0	-	-	-	-	-	-	-	89
Waerenga Community	38	-	2		-	-	-	-	-	-	0		0	0	-	-	-	-	-	40
Waiterimu-Te Hoe Community	46	-	2		1	0		-	-	-	0		-	-	-	-	-	-	-	49
Horsham Downs Community	24	-	1	-	10	0	1	-	1	1	0	0	3	-	-	1	0	0	0	44
Ngaruawahia Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Taupiri Community	9	-	0	-	1	-	0	-	0	-	0	0	2	0	-	0	-	-	1	14
Naike Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukemiro Community	2	-	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	2
Rotongaro-Ruawaro Community	4	-	-	-	0	0	-	2	1	-	0	0	0	0	-	-	-	-	-	8
Rotowaro Community	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Te Akau Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waingaro Community	20	-	-	-	0	-	0	-	-	-	0	-	-	-	-	1		-	0	
Waitetuna Community	17	-	-	-	0	-	-	0	-	-	0	0	0	0	-	-	0	-	-	18
Horotiu Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rotokauri Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Te Kowhai Community	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Whatawhata-Koromatua Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eureka Community	51	-	1		1	-	-	0	-	-	0		1	1		-	0	0		56
Matangi Community	52	-	4		8	0	-	3	1	-	0	1	3	-		1	0	0	4	80
Puketaha Community	623	-	1	-	2	0	0	-	-	-	0	0	0	0	-	-	-	0	-	627
Tauwhare Community	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Hautapu Community	58	-	0		4	1	0	0	0	-	0		2	-		0		0	0	
Tamahere Community	3	-	0	-	6	-	1	-	0	0	0	1	1	1	0	1	4	-	-	18
Raglan Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Waitetuna-Te Uku Community	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1,255	17	56	4	90	2	8	16	11			10	21	8		93		1	7	1,606

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot). 2016 business and employment counts on distributions across properties in all cases. Employment includes employees and estimated counts of working proprietors.

	Α	В	С	D	E	F	G	Н	l I	J	К	L	м	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
waroa ki Tuakau Ward	19	0	7	0	14	0	0	2	0	-	0	1	1	2	-	1	0	0	1	49
/hangamarino Ward	63	15	5	4	18	0	1	2	0	0	0	1	1	0	0	8	-	-	0	118
newhero Ward	33	-	0	0	0	0	0	0	0	-	0	0	0	0	-	0	-	-	-	35
untly Ward	53	2	5	-	23	-	1	1	8	-	-	1	8	2	-	71	1	0	1	176
ukanui-Waerenga Ward	218	-	31	-	2	0	0	6	-	-	0	1	0	0	-	8	-	-	0	267
garuawahia Ward	33	-	1	-	12	0	1	-	1	1	0	1	5	0	-	1	0	0	1	57
/haingaroa Ward	44	-	-	-	1	0	0	2	1	-	0	0	0	1	-	1	0	-	0	50
ewcastle Ward	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
ureka Ward	728	-	6	-	11	1	3	3	1	-	0	2	3	1	-	1	0	0	4	764
amahere Ward	62	-	0	-	10	1	1	0	0	0	0	2	3	2	0	1	4	0	0	87
aglan Ward	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
otal	1,255	17	56	4	90	2	8	16	11	1	0	10	21	8	0	93	6	1	7	1,606

Total
-
37
13
-
-
41
24
22
31
-
-
-
35
-
171
5
88
89

Figure 0.31: District Total Employment Count 2016 by Community and Ward Summary

	Α	В	с	D	Ε	F	G	н		J	К	L	м	Ν	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Dtaua-Aka Aka Community	209	39	20	0	50	16	7	7	11	-	0	8	63	46	3	42	4	0	3	5
okeno Community	72	43	237	-	117	4	51	24	8	-	0	20	26	12	19	22	1	11	11	e
Fuakau Community	602	-	272	17	230	32	82	97	23	9	7	51	49	56	25	141	88	4	40	1,8
Waiuku-Karioitahi Community	71	-	7	-	29	-	0	1	4	-	0	3	5	3	-	-	1	1	2	1
Vangatangi Community	31	0	1	-	10	-	-	-	-	-	0	5	2	-	-	13	-	-	-	
Mangatawhiri Community	124	-	95	4	79	0	3	9	9	-	3	4	9	4	0	41	1	0	12	3
Maramarua Community	71	15	20	-	20	4	6	1	22	-	0	4	5	-	1	14	3	3	3	1
Meremere Community	45	8	6	4	13	1	14	46	26	0	0	3	2	-	-	10	2	-	-	1
Fe Kauwhata	171	6	58	31	88	24	32	50	37	3	4	20	28	10	336	111	107	3	22	1,1
Glen Murray Community	105	-	4	-	9	3	4	1	-	-	0	3	1	1	-	-	-	2	-	1
Dnewhero Community	153	-	7	-	49	2	1	1	12	-	0	10	3	11	0	86	3	3	-	3
Port Waikato Community	47	-	-	-	7	3	0	15	1	-	0	4	2	1	0	6	3	-	5	
Pukekawa-Opuatia Community	284	9	3	0	33	3	3		12	-	0	13	18	24	1	20	-	6	-	4
Waikaretu Community	23	0	-	-	2	-	-	-	-	-	0	1	1	-	-	3	-	6	-	
Huntly Community	175	88	272	391	312	51	265	168	118	16	14	60	74	67	84	290	297	10	44	2,7
Ohinewai Community	59	-	149	6	9	0	-	1	5	-	0		2		-	15	-	0	-	2
Gordonton Community	457	0		0	27	10	12		0	-	1		12	2	48	82	11	5	9	8
Drini-Tauhei Community	354	12	23		41	1	7		14	-	0		7		0	18	2	1	-	5
Waerenga Community	160	13			8	2			13		0		12	1	-	11	-	6	-	2
Waiterimu-Te Hoe Community	161	-	7		6	4	1	-		-	0		4	-	-	3	-	-	-	1
Horsham Downs Community	114	0		1	112	15	13	1	17	26	1		39	149	12	57	7	2	14	1,4
Ngaruawahia Community	128	15			181	28	154		27		11		33	6	315	259	115	64	18	1,5
Faupiri Community	80	-	9	-	22	10	201		8	0	1		18	26	-	6	23	40	9	2,3
Naike Community	46	-	1	-	1	1	-		-	-	3		5	-	-	-	-	-	-	-
Pukemiro Community	20	107	2		14		-	3	1	-	0			30	-	9	-		-	1
Rotongaro-Ruawaro Community	61	-	-	-	20	1	-	20	7		0		1	1	-	6	-	-	-	1
Rotowaro Community	21	-	1		-	-	_	-	, -	-	-	0			_	-	-	-	-	
Te Akau Community	111	-	1		2	0	-		13		0		3		-	22	-	57	-	2
Waingaro Community	65	-	9		29	1	2		15	_	0		4		_	10	3	0	6	1
Waingaro community Waitetuna Community	110	-	13		46	19	9	-	4		2	-	12	3		10	14	1	-	2
Horotiu Community	23	-	13	-	3	- 19	9		1	-	0		7			- 15	14	-	-	2
Rotokauri Community	17	-	5		44	- 11	8		19		1		32	0	-	- 15	17	- 10	-	1
Te Kowhai Community	17	-	21	4	55	5	12		67	- 55	1	-	22	5	- 0	63	6	01	- 7	4
Whatawhata-Koromatua Community	42	-	5		55	5	54		6/	55	1		10	5		18	2	3	-	2
Eureka Community	332	-	10		30	6	2		1	0	0		10	14	-	25	4	3	- 3	4
,						-	5	-	6		2						· ·	6		
Matangi Community	332	-	20		80	11 17	5	-	9	- 4		-	23	16	-	16	20	6	25	5
uketaha Community	793	-	2		113				9		1		284	5		16	25	-	2	1,2
auwhare Community	66	-	2		12	-	1		1	-				7		33	-	10	9	1
lautapu Community	278	11	19		115	19	-	_	•	-	1	-	64	16	0	2	22	14	8	6
amahere Community	51	-	4	-	179	12	24		174		6	21	66	40	0	87	225	1	6	9
laglan Community	50	-	94		126	11	137		13		9	21	72		23	121	119	22	29	1,1
Vaitetuna-Te Uku Community	165	3	7	-	25	3	2		7	-	0		6	10	-	39	3	5		2 21,6
Total Source: WDC Baseline Database, Statistics NZ Ba	6,390	370	2,403	497	2,402	331	922		698	150	70	503	1,042	611	869	1,746	1,128	299	290	

	Α	В	с	D	E	F	G	н	1	J	К	L	м	Ν	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Insurance	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Awaroa ki Tuakau Ward	954	82	537	17	427	51	140	129	45	9	8	82	143	117	47	205	93	17	55	3,157
Whangamarino Ward	442	30	179	38	210	29	55	107	94	3	7	36	45	14	337	189	114	6	37	1,973
Onewhero Ward	612	9	14	0	100	11	8	17	25	-	0	30	25	37	1	115	6	18	5	1,033
Huntly Ward	235	88	421	397	321	51	265	169	123	16	14	64	76	67	84	305	297	10	44	3,047
Hukanui-Waerenga Ward	1,131	25	72	0	81	18	20	99	28	0	1	58	34	15	48	114	13	12	9	1,778
Ngaruawahia Ward	321	15	964	2	316	52	169	57	52	45	12	39	89	181	327	323	145	105	40	3,256
Whaingaroa Ward	434	107	27	2	113	21	10	29	32	-	5	28	25	39	-	60	17	58	6	1,013
Newcastle Ward	194	-	32	7	156	18	75	17	88	56	2	27	71	16	0	95	26	13	7	900
Eureka Ward	1,524	-	33	-	234	34	12	9	16	4	3	51	325	42	-	91	49	17	39	2,482
Tamahere Ward	329	11	23	-	294	31	29	59	174	3	7	56	130	56	0	89	246	15	15	1,565
Raglan Ward	215	3	101	33	151	14	139	249	20	14	10	34	77	28	23	160	122	27	34	1,455
Total	6,390	370	2,403	497	2,402	331	922	940	698	150	70	503	1,042	611	869	1,746	1,128	299	290	21,660

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot), 2016 business and employment counts at the property level are estimates only and may not accurately reflect business and employment counts and distributions across properties in all cases. Employment includes employees and estimated counts of working proprietors.

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Figure 0.32: National Grid Corridor - Policy Area of Effect as Share of District, Employment Count 2016 by Community and Ward Summary

	А	В	С	D	E	F	G	н		J	к	L	М	N	0	Р	Q	R	S	
	Agriculture,			Electricity, Gas,		Wholesale		Accommodation	Transport,	Information Media and	Financial and	Rental, Hiring	Professional, Scientific and	Administrative	Public	Education and	Health Care and	Arts and		
	Forestry and Fishing	Mining	Manufacturing	Water and Waste Services	Construction	Trade	Retail Trade	and Food Services	Postal and Warehousing	Telecommunicat	Insurance Services	and Real Estate Services	Technical Services	and Support Services	Administration and Safety	Training	Social Assistance	Recreation Services	Other Services	Tot
taua-Aka Aka Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%		0%	S 0%	0%	6 0%	0%	0%	0%	0%	0%	
okeno Community	21%	0%	3%	0%	6%	0%	0%	7%	2%	0%	4%	4%	2%	18%	0%	4%	2%	1%	7%	
Jakau Community	1%	0%	S 0%	0%	3%	1%	0%	0%	1%	0%	0%	2%	1%	6 0%	0%	0%	0%	0%	0%	
aiuku-Karioitahi Community	0%	0%	5 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0 %	0%	6 0%	0%	0%	0%	0%	0%	
angatangi Community	0%	0%	5 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0 %	0%	6 0%	0%	0%	0%	0%	0%	
angatawhiri Community	20%	0%	5 2%	0%	17%	38%	0%	0%	0%	0%	1%	5 1%	9%	5 10%	61%	0%	0%	0%	1%	
aramarua Community	12%	100%	3%	0%	0%	1%	0%	0%	0%	0%	12%	3%	0%	6 0%	0%	0%	0%	0%	0%	
eremere Community	6%	0%	52%	100%	9%	0%	10%	4%	0%	100%	0%	5%	0%	6 0%	0%	73%	0%	0%	0%	
e Kauwhata	16%	0%	S 0%	0%	3%	1%	0%	0%	0%	0%	0%	5 1%	0%	6 0%	0%	0%	0%	0%	0%	
ilen Murray Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%	0%	0%	S 0%	0%	6 0%	0%	0%	0%	0%	0%	
newhero Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	6 0%	0%	0%	0%	0%	0%	
ort Waikato Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	6 0%	0%	0%	0%	0%	0%	
ukekawa-Opuatia Community	12%	0%	5 10%	8%	1%	1%	0%	38%	1%	0%	1%	5 2%	1%	6 0%	0%	1%	0%	0%	0%	
/aikaretu Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	6 0%	0%	0%	0%	0%	0%	
untly Community	27%	2%	5 2%	0%	7%	0%	0%	0%	7%	0%	0%	5 2%	11%	3%	0%	25%	0%	4%	2%	
hinewai Community	9%	0%	6 0%	0%	0%	0%	0%	0%	0%	0%	0%	S 0%	0%	6 0%	0%	0%	0%	0%	0%	
ordonton Community	13%	0%	50%	0%	3%	0%	0%	6%	0%	0%	0%	2%	2%	6 0%	0%	10%	0%	0%	1%	
rini-Tauhei Community	22%	0%	49%	0%	1%	0%	3%	0%	0%	0%	0%	5 1%	0%	6 0%	0%	0%	0%	0%	0%	
/aerenga Community	24%	0%	13%	0%	0%	0%	0%	0%	0%	0%	2%	5 1%	1%	5 14%	0%	0%	0%	0%	0%	
/aiterimu-Te Hoe Community	28%	0%	35%	0%	11%	2%	11%	0%	0%	0%	16%	5 11%	0%	6 0%	0%	0%	0%	0%	0%	
orsham Downs Community	21%	0%	S 0%	0%	9%	1%	10%	0%	7%	3%	2%	3%	7%	6 0%	0%	2%	0%	18%	3%	
garuawahia Community	0%	0%	S 0%	0%	0%	0%	0%	0%	0%	0%	0%	S 0%	0%	6 0%	0%	0%	0%	0%	0%	
aupiri Community	11%	0%	5 1%	0%	6%	0%	3%	0%	2%	0%	0%	6%	10%	5 1%	0%	1%	0%	0%	7%	
aike Community	0%	0%	6 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 0%	0%	6 0%	0%	0%	0%	0%	0%	
ukemiro Community	11%	0%	6 0%	0%	0%	0%	0%	0%	0%	0%	0%	5 1%	0%	6 0%	0%	0%	0%	0%	0%	
otongaro-Ruawaro Community	7%	0%	6 0%	0%	1%	4%	0%	10%	8%	0%	1%	3%	4%	35%	0%	0%	0%	0%	0%	
otowaro Community	3%	0%		0%	0%	0%	0%	0%	0%	0%	0%	5 0 %	0%		0%	0%	0%	0%	0%	
e Akau Community	0%	0%			0%	0%	0%	0%	0%	0%	0%	5 0%	0%		0%	0%	0%	0%		
Vaingaro Community	31%	0%			0%	0%	10%	0%	0%		4%	5 0%	0%		0%	12%	0%	0%	5%	
/aitetuna Community	15%	0%		0%	1%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
orotiu Community	0%	0%		0%	0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
otokauri Community	0%	0%		0%	0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
e Kowhai Community	2%	0%			0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
/hatawhata-Koromatua Community	0%	0%		0%	0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
ureka Community	15%	0%			3%	0%	0%		0%		3%		4%		0%	0%	8%	12%		
latangi Community	16%	0%		0%	10%	5%	50%		9%		1%		11%		0%	7%	1%	0%		
Jketaha Community	79%	0%			2%	0%	1%		0%		14%		0%		0%	0%	0%	28%		
auwhare Community	2%	0%			0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		
autapu Community	21%	0%			4%	3%	5%		2%		1%		3%		0%	0%	2%	2%		
amahere Community	6%	0%			3%	0%	4%		0%		1%		1%		1%	2%	2%	2%		
aglan Community	0%	0%		0%	0%	0%	4%		0%		0%		0%		0%	2%	0%	0%		
/aitetuna-Te Uku Community	0%	0%			0%	0%	0%		0%		0%		0%		0%	0%	0%	0%		

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot). 2016 business and employment counts at the property level are estimates only and may not accurately reflect business and employment counts and distributions across properties in all cases. Employment includes employees and estimated counts of working proprietors.

	А	В	С	D	E	F	G	н	1.00	J	К	L	М	N	0	Р	Q	R	S	
	Agriculture, Forestry and Fishing	Mining	Manufacturing	Electricity, Gas, Water and Waste Services	Construction	Wholesale Trade	Retail Trade	Accommodation and Food Services	Transport, Postal and Warehousing	Information Media and Telecommunicat ions	Financial and Insurance Services	Rental, Hiring and Real Estate Services	Professional, Scientific and Technical Services	Administrative and Support Services	Public Administration and Safety	Education and Training	Health Care and Social Assistance	Arts and Recreation Services	Other Services	Total
Awaroa ki Tuakau Ward	2%	0%	1%	0%	3%	0%	0%	1%	1%	0%	0%	5 2%	0%	2%	0%	0%	0%	1%	1%	2%
Whangamarino Ward	14%	51%	3%	9%	8%	1%	3%	2%	0%	2%	1%	5 2%	2%	3%	0%	4%	0%	0%	0%	6%
Onewhero Ward	5%	0%	2%	8%	0%	0%	0%	1%	0%	0%	0%	5 1%	1%	0%	0%	0%	0%	0%	0%	3%
Huntly Ward	22%	2%	1%	0%	7%	0%	0%	0%	7%	0%	0%	2%	11%	3%	0%	23%	0%	4%	2%	6%
Hukanui-Waerenga Ward	19%	0%	43%	0%	2%	1%	2%	6%	0%	0%	1%	3%	1%	1%	0%	7%	0%	0%	1%	15%
Ngaruawahia Ward	10%	0%	0%	0%	4%	0%	1%	0%	2%	2%	0%	2%	5%	0%	0%	0%	0%	0%	3%	2%
Whaingaroa Ward	10%	0%	0%	0%	1%	0%	2%	7%	2%	0%	0%	5 1%	0%	2%	0%	2%	0%	0%	5%	5%
Newcastle Ward	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Eureka Ward	48%	0%	19%	0%	5%	2%	24%	37%	3%	0%	4%	4%	1%	3%	0%	1%	1%	1%		31%
Tamahere Ward	19%	0%	2%	0%	3%	2%	4%	0%	0%	4%	1%	3%	2%	3%	1%	2%	2%	2%		6%
Raglan Ward	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Total	20%	5%	2%	1%	4%	1%	1%	2%	2%	1%	0%	2%	2%	1%	0%	5%	1%	0%	2%	7%

Source: WDC Baseline Database, Statistics NZ Business Frame, M.E (July 2017 Property Snapshot). 2016 business and employment counts of working proprietors.

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