

# INF - Infrastructure

The *infrastructure*, services and associated resource use Chapter of the District Plan has been developed within the following framework:

- giving effect to the National Policy Statement on Electricity Transmission 2008 (NPSET) and the National Policy Statement for Renewable Electricity Generation 2011 (NPSREG), the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2008 (NESTF), the Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009 (NESET) and the Resource Management (National Environmental Standard for Sources of Drinking Water) Regulations 2007 (NESSDW) and the Regional Policy Statement for the Wellington Region;
- the benefits of, and any logistical/technical constraints on, the provision and upgrades of *infrastructure* associated with public health, energy, urban settlement, communication and movement/travel;
- that efficient use of existing *infrastructure* investment is a priority when considering the expansion, location and introduction of new *infrastructure* development, and in avoiding *reverse sensitivity effects*;
- that *infrastructure* planning, design, use and maintenance which addresses environmental *effects* and energy use, coupled with a compact urban form framework, contributes to the sustainable management of resources;
- that minimisation of the import and export of resources, services, *contaminants*, *waste* and energy to or from a catchment which would be carried by *infrastructure* systems also contributes to the sustainable management of resources as well as ensuring a community's resilience; and
- that *infrastructure* design, in particular roading systems, which avoids adverse safety *effects* and encourages connections between communities and households assist in maintaining social wellbeing, health and community safety.

The NPSET reinforces the national significance of the *national grid* and its continued operation, maintenance, development and upgrading. The NPSET requires decision makers to recognise and provide for the national, regional and local benefits of sustainable, secure and efficient electricity transmission while: managing the adverse environmental *effects* of the network; and managing the adverse *effects* of other activities on the network.

The NPSREG reinforces the national significance of *renewable electricity generation activities* and its development, maintenance and upgrading. Decision makers are required to recognise and provide for *renewable electricity generation activities* as appropriate within the District.

The NESET, NESTF and NESSDW are available at: <http://www.mfe.govt.nz> and [www.legislation.govt.nz](http://www.legislation.govt.nz). Under the RMA, a District Plan cannot duplicate the provisions of an NES, thus the provisions of these NESs have not been included. However, the Council is responsible for enforcing these standards.

## Strategic Context

The primary objectives that this Chapter implements are:

- DO-O1 - Tāngata Whenua;
- DO-O3 - Development Management;
- DO-O8 — Strong Communities;
- DO-O11 - Character and Amenity Values;
- DO-O13 — Infrastructure;
- DO-O14 — Access and Transport;
- DO-O15 - Economic Vitality; and
- DO-O18 — Renewable Energy, Energy Efficiency and Conservation.

#### DO-O1 Tāngata Whenua

To work in partnership with the *tāngata whenua* of the District in order to maintain *kaitiakitanga* of the District's resources and ensure that decisions affecting the natural *environment* in the District are made in accordance with the principles of Te Tiriti o Waitangi (Treaty of Waitangi).

#### DO-O3 Development Management

**Amended 01**  
Sep 23 PC2

To maintain a consolidated urban form within existing urban areas and a limited number of identified growth areas, and to provide for the *development* of new urban areas where these can be efficiently serviced and integrated with existing townships, delivering:

1. urban areas which maximise the efficient end use of energy and integration with infrastructure;
2. a variety of living and working areas in a manner which reinforces the function and vitality of centres;
3. an urban environment that enables more people to live in, and more businesses and community services to be located in, parts of the urban environment:
  - a. that are in or near a *Centre Zone* or other area with many employment opportunities; or
  - b. that are well serviced by existing or planned public or active transport; or
  - c. where there is high demand for housing or for business land relative to other areas within the urban environment;

while accommodating *identified qualifying matters* that constrain development;

4. resilient communities where development does not result in an increase in risk to life or severity of damage to property from natural hazard events;
5. higher residential densities in locations that are close to centres and public open spaces, with good access to public transport;
6. management of development in areas of special character or amenity in a manner that has regard to those special values;
7. sustainable natural processes including freshwater systems, areas characterised by the productive potential of the land, ecological integrity, identified landscapes and features, and other places of significant natural amenity;
8. an adequate supply of housing and areas for business/employment to meet the needs of the District's anticipated population which is provided at a rate and in a manner that can be sustained within the finite carrying capacity of the District;
9. management of the location and effects of potentially incompatible land uses including any interface between such uses; and
10. urban environments that support reductions in greenhouse gas emissions and are resilient to the current and future effects of climate change.

#### DO-O8 Strong Communities

To support a cohesive and inclusive community where people:

1. have easy access and connectivity to quality and attractive public places and local social and community services and facilities;
2. have increased access to locally produced food, energy and other products and resources;
3. have improved health outcomes through opportunities for active living or access to health services; and
4. have a strong sense of safety and security in public and private spaces.

#### DO-011 Character and *Amenity Values*

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To recognise the unique character and *amenity values* of the District's distinct communities, while providing for character and *amenity values* to develop and change over time in response to the diverse and changing needs of people, communities and future generations, resulting in:

1. residential areas characterised by the presence of mature vegetation, a variety of built forms and *building* densities, the retention of landforms, and the recognition of unique community identities;
2. vibrant, lively *metropolitan* and *town centres* supported by higher density residential and mixed use areas;
3. *local centres*, village communities and employment areas characterised by high levels of amenity, accessibility and convenience;
4. productive rural areas, characterised by openness, natural landforms, areas and corridors of *indigenous vegetation*, and *primary production activities*; and
5. well managed interfaces between different types of land use areas (e.g. between living, working and rural areas) and between potentially conflicting land uses, so as to minimise adverse *effects*.

#### DO-013 Infrastructure

To recognise the importance and national, regional and local benefits of *infrastructure* and ensure the efficient *development*, maintenance and operation of an adequate level of social and physical *infrastructure* and services throughout the District that:

1. meets the needs of the community and the region; and
2. builds stronger community resilience, while avoiding, remedying or mitigating adverse *effects* on the *environment*.

#### DO-014 Access and Transport

To ensure that the transport system in the District:

1. integrates with *land* use and urban form and maximises accessibility;
2. improves the efficiency of travel and maximises mode choice to enable people to act sustainably as well as improving the resilience and health of communities;
3. contributes to a strong economy;
4. avoids, remedies or mitigates adverse *effects* on *land* uses;
5. does not have its function and operation unreasonably compromised by other activities;
6. is safe, fit for purpose, cost effective and provides good connectivity for all communities; and
7. provides for the integrated movement of people, goods and services.

#### DO-015 Economic Vitality

To promote sustainable and on-going economic development of the local economy, including the rural sector, with improved number and quality of jobs and investment through:

1.
  - a. encouraging *business activities* in appropriate locations within the District, principally through differentiating and managing various types of *business activities* both on the basis of the activity, and the potential local and strategic *effects* of their operation;
  - b. reinforcing a compact, well designed and sustainable regional form supported by an integrated *transport network*;
  - c. enabling opportunities to make the economy more resilient and diverse;
  - d. providing opportunities for the growth of a low carbon economy, including clean technology;
  - e. minimising *reverse sensitivity effects* on *business activities*, including *primary production activities*; and
  - f. enhancing the amenity of *working zones*;

while:

2.
  - a. ensuring that economic growth and development is able to be efficiently serviced by *infrastructure*;
  - b. encouraging commercial consolidation and the co-location of community services and facilities primarily within the *Paraparaumu sub-regional centre* and *town centres*; and
  - c. managing contamination, pollution, odour, noise and glare, associated with *business activities*, including *primary production activities*.

**DO-O18** Renewable Energy, Energy Efficiency and Conservation

Increase the development and use of energy from renewable sources, including on-site systems, and efficiency and conservation of energy use while avoiding, remedying or mitigating adverse *effects* on the *environment*.

The rules in this chapter apply to all *land* and activities in all *zones* unless otherwise specified. Provisions in other chapters of the Plan may also be relevant.

**Note:** See Rule NH-FLOOD-R2 for separation of *buildings* and *structures* from *waterbodies* standards, and INF-MENU in relation to *water* and *stormwater* rules for all *development*.

## Policies - General Infrastructure

These policies apply to all *infrastructure* related matters

<b>INF-GEN-P1</b>	Recognition
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The national, regional or local importance and benefits of sustainable, secure and efficient provision of the following infrastructure will be recognised:

1. facilities for the generation of electricity;
2. activities, *buildings*, *structures*, *lines* and *masts* associated with the operation, maintenance and upgrade of the *national grid*, local electricity distribution and transmission networks, and connections between local community suppliers and the electricity distribution and transmission networks;
3. pipelines and gas facilities used for the transmission and distribution of natural and manufactured gas or petroleum;
4. *road* and rail networks as mapped in the Regional Land Transport Strategy or Regional Land Transport Plan and *Council's transport network hierarchy*;

5. telecommunication and radio communication facilities; and
6. public or community *infrastructure* associated with *water* supply, sanitation and *waste* facilities, the *stormwater* network and drainage, provided these services are developed within a *water* conservation framework and minimise environmental impacts.

**Note:** The policy gives *effect* to the National Policy Statement on Electricity Transmission, 2008, the National Policy Statement for Renewable Electricity Generation, 2011 and the Regional Policy Statement for the Wellington Region.

#### INF-GEN-P2 Reverse Sensitivity

*Reverse sensitivity effects on infrastructure from subdivision, land use and development* will be avoided, as far as reasonably practicable, by ensuring that:

1. *Infrastructure* corridors are identified and *effects* upon those corridors from *subdivision, land use and development* are considered in all resource management decision-making;
2. change to existing activities does not increase their incompatibility with existing *infrastructure*;
3. the establishment of, or changes to, *sensitive activities are avoided*, and incompatible *buildings and structures* within the *national grid yard* and *subdivision* within the *national grid subdivision corridor* are appropriately managed, to ensure that the operation, maintenance, upgrading and development of the national grid is not compromised;
4. safe separation distances are maintained near gas transmission pipelines and telecommunications facilities;
5. any new planting does not prevent the operation of existing *infrastructure*;
6. all parties are aware of constraints under other regulations, including the Electricity (Hazards from Trees) Regulations 2003, NZS/AS 2885 Pipelines — Gas and Liquid Petroleum, NZS 5258:2993 Gas Distribution Network, and the New Zealand Code of Practice for Electrical Safe Distances (NZECP 34:2001); and
7. suitable standards are in place adjacent to the transport network (including railways).

**Note:** The policy gives effect to the National Policy Statement on Electricity Transmission, 2008.

#### INF-GEN-P3 Protecting the Mauri of Natural Systems

Natural systems are recognised as taonga and will be protected from any adverse environmental *effects* arising from the establishment, operation, maintenance and upgrading of infrastructure that affect the mauri of these systems in accordance with local tikanga.

**Note:** This policy helps give effect to the Regional Policy Statement for the Wellington Region.

#### INF-GEN-P4 Managing Adverse Effects

Any adverse *environmental effects* arising from the establishment, operation, maintenance and upgrading of *infrastructure* will be avoided, remedied or mitigated as far as reasonably practicable by:

1. ensuring significant adverse *effects* are avoided, remedied or mitigated through route, *subject site* and method selection;
2. minimising the *effects* of *infrastructure* on the *amenity values* of the surrounding area and areas of outstanding or *high natural character*, in particular visual *effects* with respect to scale, and the sensitivity of the *environment* in which they are located;
3. considering all *water bodies* to be valued assets and protecting the *mauri* of fresh and *coastal water* resources;
4. where appropriate, ensuring opportunities to enhance indigenous biodiversity as part of *infrastructure* design are identified and implemented;
5. requiring adaptive management measures (including monitoring and remediation) where

- uncertainty may exist around impacts over time;
6. considering the use of offsetting measures or environmental compensation (including measures or compensation which benefit the local *environment* and community affected) where a 'residual *effect*' cannot be avoided, remedied or mitigated; and
  7. ensuring the above considerations are provided to accomplish best practice at the time of application and construction.

**Note:** The policy gives effect to the National Policy Statement on Electricity Transmission, 2008, the National Policy Statement for Renewable Electricity Generation, 2011, and the Regional Policy Statement for the Wellington Region.

#### INF-GEN-P5 Infrastructure in Road Corridors

The use of *roads* as *infrastructure* corridors will be encouraged.

#### INF-GEN-P6 Infrastructure Across Local Authority Boundaries

As much consistency across local authority boundaries as is reasonably practicable, will be achieved with respect to policy and Plan provisions and decision-making for existing and future *infrastructure*.

#### INF-GEN-P7 Infrastructure and Growth Management

*Subdivision*, use and *development* of *land* for urban growth and intensification will be focused on certain areas (i.e. in existing *urban areas*).

*Subdivision*, use and *development* will be avoided in areas where it:

1. is unable to be efficiently integrated with existing *infrastructure*, or be serviced by new *infrastructure* in an efficient and cost-effective manner;
2. does not promote the efficient end use of energy, including energy use associated with private vehicular transport, and efficient use of *water*;
3. does not align with *Council's infrastructure* asset management planning;
4. would lead to inefficient or unduly high operation and maintenance costs for public *infrastructure*;
5. is unable to make the most efficient use of the *transport network*; and
6. would lead to further growth pressures and demand for *infrastructure* investment ahead of the community's or *infrastructure* provider's ability to fund, or its desired funding programme.

#### INF-GEN-P8 Development Staging

Where *subdivision* or *development* is proposed that requires additional or earlier community investment in *infrastructure* than is set out in the *Council's* Long Term Plan, Infrastructure Strategy and Annual Plan, the *Council* will either:

1. require the staging of the proposal to fit with existing capacity through any consent application process; or
2. provide the opportunity for the 'forward' provision of an agreed proportion of the *infrastructure* upgrade works by a developer, provided that:
  - a. those works do not trigger additional community and *network utility* operator investment demands; and
  - b. those works are consistent with *the Council's* Asset Management Plan; or

3. for additional unplanned works that are not set out in *the Council's Long Term Plan and Infrastructure Strategy*, require the payment of a *financial contribution* in accordance with the Financial Contributions chapter of this Plan.

**INF-GEN-  
P9**

Proximity to Planning Features (Excluding the National Grid)

New network *infrastructure* will be managed to:

1. avoid inappropriate new works in areas of hazard *risk* as identified on District Plan maps:
  - a. *well defined fault avoidance area*;
  - b. *well defined extension fault avoidance area*; and
  - c. *river corridor, stream corridor and overflow path*;
2. avoid inappropriate aboveground new works on *outstanding natural features and landscapes* and *areas of outstanding or high natural character* as identified on District Plan maps; and
3. avoid, remedy or mitigate adverse *effects* on the following features and areas identified on District Plan Maps:
  - a. Natural Open Space Zone;
  - b. *special amenity landscapes*;
  - c. *ecological sites*;
  - d. *geological features*; and
  - e. *historic heritage* features.

**Note:** The policy gives effect to the National Policy Statement on Electricity Transmission, 2008, and the Regional Policy Statement for the Wellington Region.

**INF-GEN-  
P10**

Proximity to Planning Features - the National Grid

New *national grid* infrastructure:

1. should seek to avoid adverse *effects* on *outstanding natural features and landscapes* and *areas of outstanding or high natural character*, while:
  - a. considering the constraints imposed on achieving measures to manage environmental *effects of national grid infrastructure* by the technical, locational and operational requirements of the network; and
  - b. having regard to the extent to which any adverse *effects* have been avoided, remedied or mitigated by the route, *subject site* and method selection.
2. will be managed to avoid inappropriate new development in the following areas as identified on District Plan maps:
  - a. *well defined fault avoidance area*;
  - b. *well defined extension fault avoidance area*; and
  - c. *river corridor, stream corridor and overflow path*.
3. shall avoid, remedy or mitigate adverse *effects* on the following features and areas identified on District Plan maps:
  - a. Natural Open Space Zone;

- b. *special amenity landscapes*;
- c. *ecological sites*;
- d. *geological features*; and
- e. *historic heritage features*.

**Note:** The policy gives effect to the National Policy Statement on Electricity Transmission, 2008, Policy 8.

<b>INF-GEN-P11</b>	Quality of Infrastructure Design and Services	<b>Amended 01</b> Sep 23 PC2
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Development and *subdivision*, and the provision of associated Infrastructure will be undertaken in accordance with the Council’s *Land Development Minimum Requirements*.

<b>INF-GEN-P12</b>	Efficient Resource Use
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*Subdivision* and *development*, including associated *infrastructure*, will be encouraged to utilise the following resource efficiency and conservation measures, as well as *renewable electricity generation activities*:

1. solar access and orientation to maximise solar gain to *buildings* (excluding *minor buildings*);
2. access connections which maximise energy efficiency of *vehicle movements*;
3. clean technologies such as:
  - a. solar panelling;
  - b. *domestic scale* wind turbines; and
  - c. energy efficient new *buildings* and *alterations* to existing *buildings* (excluding *minor buildings*);
4. the use of energy efficient materials;
5. provision for the harvesting of rainwater and/or re-use of *greywater* for non-potable purposes;
6. carbon accounting and emission reduction;
7. adherence to the principles of *cleaner production* and the *waste* management hierarchy through waste avoidance, recycling of materials and reduction of *waste* disposed of; and
8. other types of small and *community scale* distributed electricity generators.

**Note:** This policy gives effect to the National Policy Statement for Renewable Electricity Generation, and the Regional Policy Statement for the Wellington Region.

## Policies - Infrastructure - Providing Network Utilities

*Network utility infrastructure* is vital to the efficient function of activities throughout the District and to the functioning and *environmental* sustainability of the communities of the District as a whole. While the provision of efficient and effective *network utilities* is important to the general wellbeing of people in the District, their construction and operation can give rise to adverse environmental *effects*. Similarly, *network utility infrastructure* can be adversely affected by the location and demands of activities and *development*.

The District Plan must have regard to the sustainability of the *network utility infrastructure* as a resource and the *effects* and consequences of activities and *development* on the *infrastructure*. At the same time it must have regard to adverse *effects* of *network utilities* on the *natural and physical resources* of the District.

The importance of *network utility infrastructure* has been recognised in the development of the:

1. the National Policy Statement on Electricity Transmission 2008,
2. the Resource Management (National Environmental Standards (NES) for Telecommunication Facilities) Regulations 2016,
3. the Resource Management (NES for Electricity Transmission Activities) Regulations 2009.

These regulations are binding and enforceable and must be read in conjunction with rules in the District Plan.

The NES for Telecommunication Facilities applies to telecommunication equipment *cabinets* and *antenna* located within *road* reserves and includes regulations in relation to specified radiofrequency fields and the control of *noise* from telecommunication *cabinets*. The NES on Electricity Transmission Activities only applies to activities related to the operation, maintenance, upgrading, *relocation* or removal of an existing *transmission line* of the *national grid* and operated by Transpower New Zealand Ltd.

The Standards are available at: Ministry for the Environment and New Zealand Legislation

This section sets out the rules and standards for providing *network utility infrastructure* including lighthouses, navigation aids, beacons, signal stations, *natural hazard* emergency warning devices and meteorological services.

Where an activity is related to the operation, maintenance, upgrading, *relocation* or removal of an existing *National Grid Transmission Line*, the Resource Management (NES for Electricity Transmission Activities) Regulations 2009 apply. The Resource Management (NES for Telecommunication Facilities) Regulations 2016 applies to telecommunication equipment, *cabinets* and *antennas* and allows for this equipment subject to certain size, location and *noise* standards. It also includes regulations in relation to radiofrequency fields generated by telecommunications facilities, which apply both within and outside of the *road*. Except as provided for by the Regulations or the *RMA*, no rules in this Plan apply to these activities.

<b>INF-PNU-P13</b>	Development, Use, Maintenance, Replacement and Upgrading
<p>The <i>development</i>, use, maintenance, replacement and upgrading of <i>network utilities</i> will be enabled while ensuring that adverse <i>environmental effects</i> are minimised.</p> <p>When considering measures to avoid, remedy or mitigate adverse <i>environmental effects</i> from the <i>development</i>, use, maintenance, replacement and upgrading of <i>network utilities</i>, decision-makers must consider the constraints on achieving those measures imposed by the technical and operational requirements of the network.</p>	
<p><b>Note:</b> This policy gives effect to the National Policy Statement on Electricity Transmission, 2008.</p>	
<b>INF-PNU-P14</b>	Place Network Utilities Underground
<p>Unless otherwise technically or operationally, impracticable, new <i>network utility infrastructure</i> will be placed underground. Where undergrounding is technically or operationally impracticable, any new aboveground <i>network utility infrastructure</i> will be well designed and resilient to identified <i>natural hazards</i>.</p>	

<b>INF-PNU-P15</b>	Co-location and Co-siting
The co-location and sharing of <i>masts</i> and corridors will be encouraged to reduce the need for them elsewhere in the District, while recognising the operational and technical constraints associated with co-location and co-siting of <i>infrastructure</i> .	
<b>INF-PNU-P16</b>	Assessment Criteria
The following assessment criteria shall be applied, where applicable, when considering <i>resource consent</i> applications and notices of requirement for the <i>development</i> , construction and upgrading of <i>network utility</i> activities:	
<b>General</b>	
<ol style="list-style-type: none"> <li>1. the extent to which the proposed <i>network utility</i> benefits the local community, the wider region and nation;</li> <li>2. the degree, extent and <i>effects</i> of the non-compliance with the <i>permitted activity</i> standards;</li> <li>3. the <i>risks</i> to public health and safety;</li> <li>4. any adverse <i>effects</i> on traffic and pedestrian safety including sight lines and visibility of traffic signage;</li> <li>5. whether the size and scale of the proposal is generally compatible with other <i>development</i> in the area;</li> <li>6. the design and external appearance, including: <ol style="list-style-type: none"> <li>a. the maximum <i>height</i> (above <i>original ground level</i>) and diameter of any <i>mast</i>;</li> <li>b. the maximum <i>height</i> (above <i>original ground level</i>), area or diameter of any <i>antenna</i>;</li> <li>c. the use of external colour and material to minimise the visual contrast with the surrounding <i>environment</i>;</li> <li>d. whether potential adverse visual <i>effects</i> can be mitigated by sensitive siting and design or appropriate planting and/or screening;</li> <li>e. proposed mitigation measures incorporated into the location, design, construction and operation of the <i>network utility</i> project, and the identification of any residual adverse <i>effects</i> on the <i>environment</i>; and</li> <li>f. whether alternative locations, routes or methods are physically or technically practicable to safeguard the <i>environment</i>;</li> </ol> </li> <li>7. the extent to which the design mitigates the <i>risk</i> of damage from <i>natural hazards</i> to ensure security of supply and maintain levels of service;</li> <li>8. any potential interference with public use and enjoyment of the <i>land</i>;</li> <li>9. amenity <i>effects</i>, including <i>noise</i>, vibration, odour, <i>dust</i>, <i>earthworks</i> and lighting;</li> <li>10. visual <i>effects</i>, including impacts on: <ol style="list-style-type: none"> <li>a. landscape values,</li> <li>b. the residential and recreational use of <i>land</i> in the vicinity of the proposed utility;</li> <li>c. the existing character, landscape, streetscape and <i>amenity values</i> of the locality;</li> <li>d. the extent to which the proposal will be visible from key public places, public viewing points, the coast, significant recreational areas, and Kāpiti Island;</li> </ol> </li> <li>11. in respect of <i>historic heritage</i> identified in Schedules 7, 8 and 9, whether the significance of the feature is affected by the construction or placement of the <i>network utility structure</i>, <i>mast</i> or <i>antenna</i>;</li> <li>12. where proposed within an <i>outstanding natural features and landscapes</i>, <i>ecological site</i> or</li> </ol>	

within the *Natural Open Space Zone*, with regard to:

- a. the visibility of the *subject site* and the *network utility structure(s)* in relation to neighbouring views and whether the *structure(s)* will be seen against a landscape backdrop or the sky;
  - b. the potential to co-locate the *structure* with any similar existing *structures* or other *buildings*; and
  - c. the potential for the *subject site* to be screened where appropriate;
13. whether the *network utility structure* damages habitats or ecosystems or causes a loss of vegetation, and the rehabilitation of the *subject site* following any construction or future maintenance period;
14. the nature and extent of the activity and the degree to which it may disturb natural landforms or vegetation, create soil instability or lead to adverse ecological *effects* on natural habitats;
15. the extent to which affected parties have been consulted; and
16. cumulative *effects*.

**Telecommunications and Electricity**

17. the extent to which it is technically, economically and practicably reasonable for *masts, antennas* or other *network utilities* to be co-located within corridors or co-sited with similar *structures* or *buildings* to minimise their visual impact;
18. with respect to extensions to, or new above ground electricity or telecommunication distribution and *transmission lines*, any adverse *effects* associated with upgrading the thickness of *lines*, *height* above ground and relationship to existing *lines* and associated *structures*, length of the *line*, including any cumulative *effects* associated with any previous extensions of the *line*; and
19. whether there are difficult ground conditions, or any technological, operational or topographical reasons why the *network utility* cannot be placed underground.

**Underground Network Utilities**

20. In the case of underground *network utility* services:
- a. the appropriateness of the *network utility* in the proposed location;
  - b. whether alternative locations are proposed;
  - c. with regard to pipelines, the nature of any liquid or substance carried;
  - d. the extent to which the work is able to be conveniently accommodated underground without adversely affecting existing underground *network utility* services or seriously limiting the opportunity for additional underground *network utility* services in the future; and
  - e. the nature of the subsoil.

**Note:** This policy gives effect to the Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 and the Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2016.

**Rules - Infrastructure - Providing Network Utilities**

INF-PNU-R1	Any <i>network utility</i> activity or utility <i>infrastructure</i> which is not specified as <i>permitted, controlled, restricted discretionary, discretionary</i> or <i>non-complying activity</i> in the rules in INF-PNU.
Permitted	<b>Standards</b>

Activity	1. The activity complies with all <i>permitted activity</i> standards in this section (INF-PNU-R1 to INF-PNU-R12).
<b>INF-PNU-R2</b>	<i>Network utilities</i> generating radiofrequency or electromagnetic fields.
Permitted Activity	<p><b>Standards</b></p> <p>1. Where relevant, <i>network utilities</i> must comply with the following standards:</p> <ol style="list-style-type: none"> <li>the maximum exposure levels must not exceed the levels specified in NZS 2772:1999; and</li> <li><i>network utilities</i> that emit electric and magnetic fields must comply with the International Commission on Non-ionising Radiation Protection Guidelines for limiting exposure to time-varying electric and magnetic fields (1 Hz — 100 Hz), Health Physics 99(6):818-836; 2010, and the recommendations from the World Health Organisation monograph Environmental Health Criteria (No 238, 2007).</li> </ol> <p><b>Note:</b> The Resource Management (National Environmental Standards for Telecommunications Facilities) Regulations 2016 controls all radio-frequency emissions from telecommunication facilities through specific exposure standards.</p>
<b>INF-PNU-R3</b>	The operation, maintenance, repair, replacement or removal of any existing <i>network utility</i> .
Permitted Activity	<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>The Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009 apply to the existing <i>national grid</i> and to all <i>transmission lines</i> that were in existence on 14 January 2010.</li> <li>The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 apply to all <i>telecommunication facilities</i>.</li> </ol>
<b>INF-PNU-R4</b>	<p>For any existing <i>network utility</i>:</p> <ol style="list-style-type: none"> <li><i>minor upgrading</i> of any electricity and telecommunication <i>line</i>; and</li> <li>the upgrading of all other <i>network utilities</i>, excluding: <ol style="list-style-type: none"> <li>electricity <i>transmission lines</i> above 110kV; and</li> <li>gas distribution pipelines at a pressure exceeding 2000 kilopascals.</li> </ol> </li> </ol>
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>Upgrading must comply with any <i>permitted activity</i> standard applicable to that <i>network utility</i> under Rules INF-PNU-R9 (<i>Antenna</i> attached to <i>building</i> for <i>network utility</i> purposes); and INF-PNU-R10 (<i>cabinets</i>).</li> <li><i>Poles</i> to support <i>lines</i> for <i>network utility structures</i> must comply with the maximum <i>height</i> of 12 m (above <i>original ground level</i>) and diameter of 300 millimetres.</li> <li>Any additional <i>antenna</i> attached to existing <i>masts</i> must not exceed either the maximum <i>height</i> requirements in INF-PNU-R9 or the maximum <i>height</i> of the existing <i>mast</i>, whichever is greater. The additional <i>antenna</i> must not exceed</li> </ol>

	<p>either the maximum diameter requirements in INF-PNU-R9 or the existing diameter of <i>antenna</i> attached to the <i>mast</i>, whichever is greater.</p> <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 apply to all telecommunication facilities.</li> <li>2. The Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009 apply to the existing <i>national grid</i> and to all <i>transmission lines</i> that were in existence on 14 January 2010.</li> <li>3. Compliance with the Electricity (Hazards from Trees) Regulations 2003 is mandatory for <i>tree trimming</i> and planting.</li> </ol>
<b>INF-PNU-R5</b>	<p>The <i>development</i> and installation of any new <i>network utility</i>, except for electricity <i>transmission lines</i> above 110kV; or gas distribution and transmission pipelines at a pressure exceeding 2000 kilopascals, provided that they are not located within:</p> <ol style="list-style-type: none"> <li>1. an <i>ecological site</i>;</li> <li>2. a <i>well-defined fault avoidance area</i>;</li> <li>3. a <i>well-defined extension fault avoidance area</i>;</li> <li>4. an <i>open space</i> (conservation and scenic) <i>zone</i>;</li> <li>5. an <i>outstanding natural features and landscapes</i>;</li> <li>6. a <i>river corridor</i>;</li> <li>7. a <i>stream corridor</i>;</li> <li>8. a <i>ponding area</i>;</li> <li>9. a <i>shallow surface flow area</i>;</li> <li>10. an <i>overflow path</i>;</li> <li>11. a <i>residual overflow path</i>; or</li> <li>12. a <i>site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9;</li> </ol> <p>unless otherwise provided for under <i>permitted activity</i> Rules INF-PNU-R6, INF-PNU-R8, INF-PNU-R9, INF-PNU-R10, INF-PNU-R11 and INF-PNU-R12.</p>
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. Compliance with the clearance distances specified in NZECP34:2001, and Section 6.4.4 External Interference Prevention of NNZAS 2885 Pipelines — Gas and Liquid Petroleum.</li> </ol>
<b>INF-PNU-R6</b>	New underground telecommunications and <i>radiocommunications</i> facilities.
Permitted Activity	<p><b>Note:</b> Compliance with the clearance distances specified in NZECP34:2001, and section 6.4.4 External Interference Prevention of NNZAS 2885 Pipelines — Gas and Liquid Petroleum will be required by other regulations.</p> <p>The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</p>
<b>INF-PNU-R7</b>	Meteorological facilities for measuring, collecting and distributing meteorological information including automatic weather <i>masts</i> , voluntary observer <i>sites</i> and associated microwave links.

	<i>Measurement criteria</i> apply to this rule.
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. One anemometer <i>max</i> per <i>allotment</i> is <i>permitted</i> provided it does not exceed a <i>height</i> of 12 metres (as measured from <i>Original Ground Level</i>).</li> <li>2. For any meteorological enclosure and <i>building</i>, the <i>gross floor area</i> must not exceed 30m<sup>2</sup>.</li> </ol> <p><i>Measurement Criteria:</i></p> <p>When measuring <i>gross floor area</i> for the purposes of this rule, include covered <i>yards</i> and areas covered by a roof but not enclosed by walls. Exclude uncovered stairways; floor space in terraces (open or roofed), external balconies, breezeways or porches; roof <i>car parking</i>, lift towers and machinery rooms on the roof having a floor area of not more than 200m<sup>2</sup>; <i>car parking</i> areas; and floor space of interior balconies and mezzanines not used by the public.</p> <ol style="list-style-type: none"> <li>3. Meteorological facilities must not be located within:             <ol style="list-style-type: none"> <li>a. an <i>ecological site</i>;</li> <li>b. a <i>geological feature</i>;</li> <li>c. an <i>outstanding natural features and landscapes</i>,</li> <li>d. an or area of outstanding or high <i>natural character</i>; or</li> <li>e. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> </li> </ol>
<b>INF-PNU-R8</b>	Freestanding <i>masts</i> used for telecommunication, radio communication and broadcasting purposes by <i>network utility operators</i> for <i>network utility</i> purposes.
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. <i>Masts</i> (including <i>antenna</i> and support <i>structures</i>) must not be located within:             <ol style="list-style-type: none"> <li>a. an <i>ecological site</i>;</li> <li>b. a <i>geological feature</i>;</li> <li>c. an <i>outstanding natural features and landscape</i>;</li> <li>d. an area of outstanding or high <i>natural character</i>;</li> <li>e. a <i>river corridor</i>;</li> <li>f. a <i>stream corridor</i>; or</li> <li>g. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> </li> <li>2. Additional antenna on existing masts in these areas are permitted subject to standards 3 to 6 below.</li> </ol> <p><b>Note:</b> Standards 3 to 6 below are subject to the regulations contained in the Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 which applies to the installation and operation of telecommunication facilities carried out by <i>network utility operators</i>. Where an activity is not permitted under the Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 the standards in 3 to</p>

	<p>6 below apply.</p> <ol style="list-style-type: none"> <li>3. Subject to standard 4 below, the maximum <i>height</i> (measured above <i>original ground level</i>) and diameter standards (m = metres; mm = millimetres), excluding any lightning rod, shall apply:             <ol style="list-style-type: none"> <li>a. In any <i>residential zone</i>, the Waikanae North Development Area, or the Ngārara Development Area, a maximum <i>height</i> of 12 m and maximum <i>mast</i> diameter of 600 mm from 6 m.</li> <li>b. In the <i>General Rural Zone</i>, <i>Rural Production Zone</i> and <i>Rural Lifestyle Zone</i>, a maximum <i>height</i> of 18 m and maximum <i>mast</i> diameter of 600 mm from 6 m.</li> <li>c. In the <i>General Industrial Zone</i>, a maximum <i>height</i> of 25 m and maximum <i>mast</i> diameter of 1.5 m.</li> <li>d. In the <i>Local Centre Zone</i>, <i>Town Centre Zone</i>, and <i>Mixed Use Zone</i>, a maximum <i>height</i> of 15 m and maximum <i>mast</i> diameter of 1.5 m.</li> <li>e. In the <i>Metropolitan Centre Zone</i>, a maximum <i>height</i> of 20 m and maximum <i>mast</i> diameter of 1.5 m.</li> <li>f. In the <i>Open Space Zone</i> and <i>Natural Open Space Zone</i>, a maximum <i>height</i> of 12 m and maximum <i>mast</i> diameter of 600 mm from 6 m.</li> <li>g. In the <i>Airport Zone</i> (subject to <i>designation</i>), maximum <i>height</i> of 20 m and maximum <i>mast</i> diameter of 1.5 m.</li> </ol> </li> <li>4. Where the <i>mast</i> will be used to support <i>antennas</i> of more than one <i>network utility operator</i> then a 3 metre allowance on the <i>permitted activity height</i> standard in 2 above shall apply.</li> <li>5. The diameter of any <i>antenna</i> must comply with the horizontal circle standards below (the circle within which the <i>antenna</i> must fit):             <ol style="list-style-type: none"> <li>a. In any <i>Residential Zone</i>, the Waikanae North Development Area, or the Ngārara Development Area, 0.75 m.</li> <li>b. In the <i>Rural Production Zone</i>, 2 m.</li> <li>c. In the <i>General Rural Zone</i> and <i>Rural Lifestyle Zone</i>, 1.2 m.</li> <li>d. In the <i>General Industrial Zone</i>, 5 m.</li> <li>e. In the <i>Local Centre Zone</i>, <i>Town Centre Zone</i>, and <i>Mixed Use Zone</i>, 0.75 m.</li> <li>f. In the <i>Metropolitan Centre Zone</i>, 2 m.</li> <li>g. In the <i>Open Space Zone</i> and <i>Natural Open Space Zone</i>, 0.75 m.</li> <li>h. In the <i>Airport Zone</i> (subject to <i>designation</i>), 5 m.</li> </ol> </li> <li>6. Must not be located closer than 5 metres from a <i>site boundary</i> in any <i>Residential Zone</i>, the Waikanae North Development Area, or Ngārara Development Area (measured from the outer edge of the <i>mast</i>, excluding the base or foundation), except along <i>boundary</i> with <i>legal road</i>.</li> </ol>
<p><b>INF-PNU-R9</b></p>	<p><i>Antenna</i> used for <i>network utility</i> purposes and its support <i>structures</i> where attached to an existing <i>building</i> (excluding <i>minor buildings</i>).</p> <p><b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities</p>
<p>Permitted Activity</p>	<p><b>Standards</b></p>

	<ol style="list-style-type: none"> <li>1. <i>Antenna</i> and support <i>structures</i> must not be located on a <i>building</i> located within:             <ol style="list-style-type: none"> <li>a. an <i>outstanding natural features and landscape</i>;</li> <li>b. a <i>site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> </li> <li>2. The maximum <i>height</i> of any <i>antenna</i> attached to a <i>building</i> must not exceed the following <i>height</i> limits (from the point at which the <i>antenna</i> is attached to the <i>building</i>):             <ol style="list-style-type: none"> <li>a. In any residential zone, Waikanae North Development Area and Ngārara Development Area, 2 m.</li> <li>b. In all other zones, 5 m.</li> </ol> </li> <li>3. All <i>antennas</i> attached to a <i>building</i> adjoining any residential zone, Waikanae North Development Area and Ngārara Development Area must comply with the <i>height in relation to boundary</i> standard for <i>buildings</i> and <i>structures</i> for that zone.</li> <li>4. The diameter and size of any <i>antenna</i> must comply with the standards below:             <ol style="list-style-type: none"> <li>a. In any residential zone, the Waikanae North Development Area, or the Ngārara Development Area, a maximum diameter of 1.2 m and maximum area of 0.8 m<sup>2</sup>.</li> <li>b. In any rural zone, a maximum diameter of 2.4 m and maximum area of 1.8 m<sup>2</sup>.</li> <li>c. In the general industrial zone, a maximum diameter of 2.4 m and maximum area of 1.8 m<sup>2</sup>.</li> <li>d. In the local centre zone, town centre zone, metropolitan centre zone, and mixed use zone, a maximum diameter of 2.4 m and maximum area of 1.8 m<sup>2</sup>.</li> <li>e. In the open space zone and natural open space zone, a maximum diameter of 1.2 m and maximum area of 0.8 m<sup>2</sup>.</li> <li>f. In the airport zone (subject to <i>designation</i>), a maximum diameter of 2.4 m and maximum area of 1.8 m<sup>2</sup>.</li> </ol> </li> </ol>
<p><b>INF-PNU-R10</b></p>	<p>Aboveground <i>cabinets</i> except for:</p> <ol style="list-style-type: none"> <li>1. on <i>road</i> that adjoins any <i>site</i> containing an item listed in Schedules 7, 8 or 9, an <i>outstanding natural features and landscape</i>, or an <i>ecological site</i>;</li> <li>2. within a <i>site</i> containing an item listed in Schedules 7, 8 or 9, an <i>outstanding natural feature and landscape</i>, or an <i>ecological site</i>; or</li> <li>3. in the Natural Open Space Zone, the <i>river corridor</i>, and the <i>stream corridor</i>.</li> </ol>
<p>Permitted Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. All <i>cabinets</i> located within a <i>road</i> must not exceed a maximum <i>height</i> (above <i>Original Ground Level</i>) of 2 metres and maximum footprint of 3m<sup>2</sup>; and</li> <li>2. All <i>cabinets</i> not located within a <i>road</i> must not exceed a maximum <i>height</i> (above <i>Original Ground Level</i>) of 3m and a maximum footprint of 8m<sup>2</sup>; and</li> <li>3. All <i>cabinets</i> must be located no closer than 2m to any <i>boundary</i> if not located within <i>road</i>.</li> </ol>

	<b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.	
<b>INF-PNU-R11</b>	Any <i>network utility</i> enclosed within a <i>building</i> , excluding <i>minor buildings</i> .	
Permitted Activity		
<b>INF-PNU-R12</b>	Extensions to existing and new above ground <i>lines</i> in the Rural Zones, except for electricity <i>transmission lines</i> above 110kV.	
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. Single-pole support <i>structures</i> and <i>lines</i> must have a <i>height</i> of 12m or less (from <i>Original Ground Level</i>) and a diameter of 300 millimetres or less; and</li> <li>2. Extensions and new above ground <i>lines</i> must not be located within:                             <ol style="list-style-type: none"> <li>a. an <i>ecological site</i>;</li> <li>b. a <i>geological feature</i>;</li> <li>c. an <i>outstanding natural feature and landscape</i>;</li> <li>d. an area of outstanding or high <i>natural character</i>; or</li> <li>e. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> </li> </ol>	
<b>INF-PNU-R13</b>	Any activity listed as a <i>permitted activity</i> or a <i>controlled activity</i> which does not comply with one or more of the associated standards, unless otherwise specified.	
Restricted Discretionary Activity	<p><b>Standards</b></p>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. The <i>effects</i> of non-compliance of the relevant standards.</li> <li>2. Measures to avoid, remedy or mitigate adverse <i>effects</i>.</li> <li>3. Cumulative <i>effects</i>.</li> </ol>
<b>INF-PNU-R14</b>	The <i>minor upgrading</i> , or upgrading of an existing <i>network utility</i> that is not a <i>permitted activity</i> under INF-PNU-R4.	
	<p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</li> <li>2. The Resource Management National Environmental Standard for Electricity Transmission Activities) Regulations 2009 applies to the upgrading of a <i>transmission line</i>.</li> </ol>	
Restricted Discretionary Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. The upgrading of the <i>network utility</i> must comply with <i>permitted activity</i> standards under INF-PNU-R2.</li> </ol>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived for the activity.</li> <li>2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive</i></li> </ol>

		<p><i>activities.</i></p> <ol style="list-style-type: none"> <li>3. Health and safety.</li> <li>4. Layout, design, and materials.</li> <li>5. Context and surroundings.</li> <li>6. <i>Effects on an ecological site, geological feature, outstanding natural features and landscape, or area of outstanding or high natural character.</i></li> <li>7. <i>Effects on historic heritage.</i></li> <li>8. Visual, character and amenity <i>effects.</i></li> <li>9. Adequacy of the methods of mitigation/remediation or ongoing management.</li> </ol>
<p><b>INF-PNU-R15</b></p>	<p>Any new <i>cabinet</i> located in all <i>Zones</i> that does not comply with the <i>permitted activity</i> standards under INF-PNU-R10 except for where the <i>cabinet</i> is located on a <i>site</i> containing:</p> <ol style="list-style-type: none"> <li>1. an area, <i>building, structure</i> or place listed in Schedules 7, 8 or 9;</li> <li>2. an <i>outstanding natural feature and landscape</i>;</li> <li>3. an <i>ecological site</i>;</li> <li>4. the <i>Natural Open Space Zone</i>; or</li> <li>5. a <i>stream corridor</i>; or</li> <li>6. a <i>river corridor</i>.</li> </ol> <p><b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</p>	
<p>Restricted Discretionary Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. <i>Cabinets</i> must comply with the relevant <i>permitted activity</i> standards for <i>noise</i> in the Noise Chapter.</li> </ol>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived for the activity.</li> <li>2. Health and safety.</li> <li>3. Layout, design and location of proposed <i>structure</i>.</li> <li>4. Colour and materials of proposed <i>structure</i>.</li> <li>5. Visual, character and amenity <i>effects</i>.</li> <li>6. Public safety.</li> <li>7. <i>Effects on historic heritage</i>.</li> <li>8. Adequacy of the methods of mitigation/remediation or ongoing management.</li> <li>9. <i>Natural hazard risk</i> management.</li> </ol>
<p><b>INF-PNU-R16</b></p>	<p>New above ground <i>lines</i> or extensions to existing above ground <i>lines</i> in the Rural <i>Zone</i> that do not meet the <i>permitted activity</i> standards in INF-PNU-R12 and extensions to existing above ground <i>lines</i> within a <i>road</i> in all other <i>zones</i>.</p> <p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and</li> </ol>	

	<p>operation of telecommunication facilities.</p> <p>2. The Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009 applies to the upgrading, including replacement, of the <i>National Grid</i>.</p>	
<p>Restricted Discretionary Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. The extensions to, or new above ground electricity or telecommunication distribution and <i>transmission lines</i> must comply with <i>permitted activity</i> standards under INF-PNU-R2.</li> <li>2. The extension to above ground electricity or telecommunication distribution <i>lines</i> must not be located within:                     <ol style="list-style-type: none"> <li>a. an <i>ecological site</i>;</li> <li>b. a <i>river corridor</i>;</li> <li>c. a <i>stream corridor</i>;</li> <li>d. an <i>outstanding natural feature and landscape</i>;</li> <li>e. an area of outstanding <i>natural character</i> or high <i>natural character</i>; or</li> <li>f. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> </li> </ol> <p><b>Note:</b> Above ground telecommunication <i>lines</i> and electricity <i>transmission lines</i> 110kV and below in the Rural Zones are excluded from Standards 2 b) and c) above.</p>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived for the activity.</li> <li>2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive activities</i>.</li> <li>3. Health and safety.</li> <li>4. Layout, design and location of proposed <i>structure</i>.</li> <li>5. Colour and materials of proposed <i>structure</i>.</li> <li>6. Visual, character and amenity <i>effects</i>.</li> <li>7. Public safety.</li> <li>8. <i>Effects</i> on a <i>geological feature</i>.</li> <li>9. <i>Natural hazard risk</i> management.</li> <li>10. Adequacy of the methods of mitigation/remediation or ongoing management.</li> </ol>
<p>INF-PNU-R17</p>	<p>Any:</p> <ol style="list-style-type: none"> <li>1. freestanding <i>mast</i>, with or without <i>antenna</i>,</li> <li>2. <i>antenna</i> attached to a <i>building</i>, excluding <i>minor buildings</i>; or</li> <li>3. meteorological facility;</li> </ol> <p>that does not comply with one or more of the <i>permitted activity</i> standards under rules INF-PNU-R7 (standards 1 &amp; 2), INF-PNU-R8 (standards 2-5) and INF-PNU-R9 (standards 2-4).</p> <p><b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</p>	
<p>Restricted Discretionary Activity</p>	<p><b>Standards</b></p>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived for</li> </ol>

		<p>the activity.</p> <ol style="list-style-type: none"> <li>2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive activities</i>.</li> <li>3. Health and safety.</li> <li>4. Layout, design and location of proposed <i>structure</i>.</li> <li>5. Colour and materials of proposed <i>structure</i>.</li> <li>6. Visual, character and amenity <i>effects</i>.</li> <li>7. Public safety.</li> <li>8. Adequacy of the methods of mitigation/remediation or ongoing management.</li> </ol>
<b>INF-PNU-R18</b>	<p>New aboveground <i>network utilities</i> within any <i>ponding area, shallow surface flow area, overflow path or residual overflow path</i>, which are above ground, other than telecommunications and <i>radiocommunications</i>.</p> <p><b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities</p>	<b>Amended 01 Sep 23 PC2</b>
Restricted Discretionary Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. Must comply with the relevant <i>permitted and controlled activity</i> standards for the <i>network utility</i>.</li> </ol>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived from the activity.</li> <li>2. Public safety.</li> <li>3. Extent of <i>earthworks</i>.</li> <li>4. Adequacy of the methods of mitigation/remediation or on-going management.</li> <li>5. Degree of compliance with the Council's <i>Land Development Minimum Requirements</i>.</li> <li>6. <i>Natural hazard risk</i> management.</li> </ol>
<b>INF-PNU-R19</b>	<p>New underground <i>network utilities</i>, other than telecommunication and <i>radiocommunication</i>, located within:</p> <ol style="list-style-type: none"> <li>1. the <i>well-defined fault avoidance area</i>;</li> <li>2. the <i>well-defined extension fault avoidance area</i>;</li> <li>3. an <i>ecological site</i>;</li> <li>4. the <i>Natural Open Space Zone</i>;</li> <li>5. an <i>outstanding natural feature and landscape</i>; or</li> <li>6. a <i>subject site</i> with a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol>	
Restricted Discretionary Activity	<p><b>Standards</b></p>	<p><b>Matters of Discretion</b></p> <ol style="list-style-type: none"> <li>1. Any positive <i>effects</i> to be derived from the activity.</li> </ol>

	<ol style="list-style-type: none"> <li>2. Public safety.</li> <li>3. Extent of <i>earthworks</i>.</li> <li>4. Adequacy of the methods of mitigation/remediation or on-going management.</li> <li>5. <i>Effects on an ecological site, geological feature, outstanding natural feature and landscape, or area of outstanding or high natural character.</i></li> <li>6. <i>Effects on historic heritage.</i></li> <li>7. Adequacy of geotechnical information.</li> <li>8. <i>Natural hazard risk management.</i></li> </ol>
<p><b>INF-PNU-R20</b></p>	<p>Any activity listed as a <i>restricted discretionary activity</i> in Rules INF-PNU-R14 to INF-PNU-R18 that does not comply with one or more of the associated standards.</p>
<p>Discretionary Activity</p>	
<p><b>INF-PNU-R21</b></p>	<p>New above ground electricity or telecommunication <i>lines</i> except as provided for under INF-PNU-R12 or INF-PNU-R16 except for <i>network utility structures</i> over 13 metres in <i>height</i> (above <i>original ground level</i>) in <i>outstanding natural features and landscapes</i> which are a <i>non-complying activity</i> under INF-PNU-R26.</p> <p><b>Note:</b> The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</p>
<p>Discretionary Activity</p>	
<p><b>INF-PNU-R22</b></p>	<p>Any new above ground <i>network utility</i> not provided for under INF-PNU-R5, INF-PNU-R8, INF-PNU-R9, INF-PNU-R10, INF-PNU-R11, INF-PNU-R14, INF-PNU-R15 and INF-PNU-R16 located within:</p> <ol style="list-style-type: none"> <li>1. the <i>well-defined fault avoidance area</i>;</li> <li>2. the <i>well-defined extension fault avoidance area</i>;</li> <li>3. an <i>ecological site</i>;</li> <li>4. the <i>Natural Open Space Zone</i>;</li> <li>5. an <i>outstanding natural features and landscape</i>;</li> <li>6. areas of outstanding or high <i>natural character</i>;</li> <li>7. a <i>stream corridor</i>;</li> <li>8. a <i>river corridor</i>, or</li> <li>9. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.</li> </ol> <p><b>Note 1:</b> The Resource Management (National Environmental Standards for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities in the following areas:</p> <ol style="list-style-type: none"> <li>1. <i>well-defined fault avoidance area</i>;</li> <li>2. <i>well-defined extension fault avoidance areas</i>;</li> <li>3. a <i>stream corridor</i>, and</li> <li>4. a <i>river corridor</i>.</li> </ol>

Discretionary Activity	
<b>INF-PNU-R23</b>	Any underground gas transmission pipeline at a pressure of 2000 kilopascals or greater and <i>ancillary</i> above ground stations/equipment.
Discretionary Activity	
<b>INF-PNU-R24</b>	Any new aboveground <i>cabinet</i> , including transformers, substations and switching stations distributing electricity and <i>ancillary buildings</i> (excluding <i>minor buildings</i> ) that are not a <i>permitted activity</i> under INF-PNU-R10 or a <i>restricted discretionary activity</i> under INF-PNU-R15.
Discretionary Activity	
<b>INF-PNU-R25</b>	Any <i>network utility</i> which does not comply with the <i>permitted activity</i> standard under INF-PNU-R2.
Non-Complying Activity	
<b>INF-PNU-R26</b>	<i>Network utility structures</i> over 13 metres in <i>height</i> (above <i>original ground level</i> ) within <i>outstanding natural features and landscapes</i> , excluding the <i>national grid</i> .
Non-Complying Activity	

## Policies - Infrastructure - Managing Effects on Network Utilities

This section sets out policies and rules relating to the management of *effects* upon *network utility infrastructure*, including *water* supply, sanitation, drainage, high pressure gas and *national grid infrastructure*.

For the management of *effects* upon transport *infrastructure*, see the Transport Chapter.

*Water* supply, sanitation and drainage services are crucial for the on-going health and safety of the community. New activities and *development*, whether a consequence of *subdivision* or not, increase demand on public *infrastructure* systems including *stormwater* disposal, *water* and *wastewater* disposal. Increased pressure on these services can potentially result in adverse *effects* on the *environment*.

New activities and *development* must have adequate access to these services, either through publicly or privately provided *infrastructure*. Where connection to an existing system is not possible, it is the developer's responsibility to ensure the activity or *development* can be adequately serviced through alternative *water* supply and on-site effluent treatment and disposal.

*Stormwater* from new activities and *development* may cause drainage problems or flooding of the *site* itself and neighbouring *properties* if its management is inadequate. For example *development* as a consequence of *subdivision* usually results in significant changes in *water* flows beyond the *site*. This needs to be addressed in the context of *stormwater* management for the wider catchment to minimise impacts such as flooding and erosion.

Where proposed *development* will not use existing public reticulation for *stormwater* disposal, owners must demonstrate that any adverse *effects* created are adequately mitigated. *Stormwater* disposal is a *discharge* to the *environment* so the requirements of the relevant Regional Plan will also apply.

Demand for *water* from reticulated *water* supply services is an *effect* of urban *subdivision* and *development*. Seasonally, such demand can place significant pressures on the urban *water* supply network and the natural systems that they draw on.

Developing *infrastructure* to service new *development* can have both positive and adverse *effects* on *natural and physical resources*, ecosystems, and *amenity values* (e.g. *water bodies*). *Infrastructure* servicing and design should promote *sustainable management* solutions and work with natural features in the *environment* such as *water bodies*, topography, indigenous biodiversity and ecosystems, incorporating where possible such elements into the design of the *subdivision* or *development*.

<b>INF-MENU-P17</b>	Hydraulic Neutrality — Stormwater
<p><i>Subdivision</i> and <i>development</i> will be designed to ensure that the <i>stormwater</i> runoff from all new impermeable surfaces will be disposed of or stored on-site and released at a rate that does not exceed the peak <i>stormwater</i> runoff when compared to the pre-<i>development</i> situation.</p>	
<p><b>Note:</b> This policy gives effect to the Regional Policy Statement for the Wellington Region.</p>	
<b>INF-MENU-P18</b>	Stormwater Quantity and Quality
<p>The adverse <i>effects</i> of <i>stormwater</i> runoff from <i>subdivision</i> and <i>development</i>, in particular cumulative <i>effects</i>, will be minimised. The following assessment criteria will be applied when considering <i>resource consent</i> applications for <i>subdivision</i> and <i>development</i>:</p> <ol style="list-style-type: none"> <li>1. whether there is capacity in <i>Council's</i> existing <i>infrastructure</i>;</li> <li>2. the extent to which the capacity and <i>environmental</i> values of watercourses or <i>drains</i> and the associated catchment areas will be compromised;</li> <li>3. the extent to which <i>development</i> styles and <i>stormwater</i> management methods mimic natural, pre-<i>development</i> runoff patterns;</li> <li>4. the extent to which riparian vegetation is protected and enhanced;</li> <li>5. whether minimal vegetation loss in riparian areas associated with <i>development</i> is achieved;</li> <li>6. the extent to which <i>water</i> quality is ensured to enhance and maintain aquatic ecosystem health;</li> <li>7. the extent to which a healthy aquatic system is maintained, including maintenance of sufficient flows and avoidance of unnatural fluctuations in flows;</li> <li>8. the extent to which degraded, piped or channelled streams are restored and realigned into a more natural pattern;</li> <li>9. where practicable, the extent to which low impact design, including on-site disposal of <i>stormwater</i>, <i>soft engineering</i> or bioengineering solutions and swales within the legal <i>road</i> are used;</li> </ol>	

10. the extent to which straightening and piping of streams is avoided; and  
 11. the extent to which the adverse *effects* of *stormwater* runoff, in particular cumulative *effects*, from *subdivision* and *development* will be minimised.

**Note:** This policy gives effect to the Regional Policy Statement for the Wellington Region.

**INF-MENU-P19** Water Demand Management

New residential *development* connected to the public potable *water* supply and reticulation network will be required to provide rainwater storage tanks, *water* re-use systems or other *water* demand management systems to supply *water* for toilets and all outdoor *non-potable* uses.

**Note:** This policy gives effect to the Regional Policy Statement for the Wellington Region.

**INF-MENU-P20** Water Supply

All new *subdivision*, *land use* or *development* will have an adequate supply of *water* in terms of volume and quality for the anticipated end uses, including fire fighting supply. Where a new connection to the reticulated network is proposed, evidence may be required to support its viability.

**INF-MENU-P21** Wastewater

*Subdivision*, *land use* and *development* will ensure that the treatment and disposal of *wastewater* will be adequate for the anticipated end uses appropriate to the location. The treatment and disposal of *wastewater* will be undertaken in a manner that avoids, remedies or mitigates adverse *effects* on the *environment* and maintains public health and safety. Where a new connection to the reticulated network is proposed, evidence may be required to support its viability.

**INF-MENU-P22** Protection of Drinking Water Supply

*Subdivision*, *land use* and *development* within a *water* collection area identified on District Plan Maps or within such a distance from a *registered drinking-water supply* that it would pose a *risk* of contamination, or a reduction in the quantity of, that *registered drinking-water supply*, will be managed to avoid the threat.

Where consent is granted for a *subdivision*, *land use* or *development* that could significantly adversely affect a *drinking water* supply, a *condition* shall be placed on the consent requiring the consent holder to notify, as soon as reasonably practicable, the *registered drinking water supply* operator(s) concerned and the *Council*, if an event occurs that could adversely affect the quality of *water* at any abstraction point.

**Note:** This policy gives effect to the Resource Management (National Environmental Standards for Sources of Human Drinking Water) Regulations 2007.

**INF-MENU-P23** National Grid and High Pressure Gas Transmission Lines

When considering *subdivision*, *land use* or *development* proposals, the following will be taken into account:

1. the extent to which the proposal could compromise the operation, access, maintenance, upgrading and *development* of the *national grid* or gas pipelines;
2. the potential cumulative *effects* of the proposal on the *national grid* or gas pipeline;

3. the risk and extent of potential harm to people and property arising from the proposal's proximity to the *national grid* or gas pipeline in the event of an *infrastructure* fault or emergency;
4. whether the proposal will permanently physically impede vehicular access to the utility.

## Rules - Infrastructure - Managing Effects on Network Utilities

<b>INF-MENU-R27</b>	All <i>permitted activities</i> in all zones, including <i>network utilities</i> .	<b>Amended 01</b> Sep 23 PC2
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. <i>Development</i> must be undertaken in accordance with the Council's <i>Land Development Minimum Requirements</i>.</li> </ol>	
<b>INF-MENU-R28</b>	Any new and relocated <i>residential buildings</i> on land where <i>potable public water supply</i> is available.	
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. All new or relocated <i>residential buildings</i> where <i>potable public water supply</i> is available to a <i>residential building</i> must be fitted with one of the following:                             <ol style="list-style-type: none"> <li>a. rainwater storage tanks with a minimum capacity of 10,000 litres for the supply of non-potable <i>water</i> for outdoor uses and indoor toilets; or</li> <li>b. rainwater storage tanks with a minimum capacity of 4,000 litres for the supply of non-potable <i>water</i> for outdoor areas and indoor toilets, and a <i>greywater re-use system</i> for outdoor irrigation. The <i>greywater re-use system</i> shall re-use all <i>water</i> from <i>bathrooms</i> (excluding toilets) and laundry washing machines.</li> </ol> </li> <li>2. The <i>greywater re-use system</i> must be installed so that:                             <ol style="list-style-type: none"> <li>a. there is automatic diversion to sewer to cover heavy rainfall and <i>ponding</i>;</li> <li>b. there are safe setback distances from property <i>boundaries</i> and private <i>bores</i>;</li> <li>c. the device uses <i>water</i> from a single <i>residential building</i> only;</li> <li>d. the irrigation shall be sub-surface and suited to the soil type and slopes;</li> <li>e. the <i>greywater</i> is not stored in any way, or treated other than primary screening or filtration;</li> <li>f. the diversion device has a switching or selection facility so that <i>greywater</i> can be easily diverted back to sewer;</li> <li>g. some form of non-storage surge attenuation is installed as part of the diversion system;</li> <li>h. a coarse filter for screening out solids and oils/greases;</li> <li>i. no risk of cross contamination between <i>greywater</i> and <i>drinking water</i> supplies;</li> <li>j. in case of <i>sewage</i> backflow, <i>greywater</i> system will shut off in times of <i>sewage</i> backflow; and</li> <li>k. the system does not take kitchen <i>wastewater</i> or <i>wastewater</i> from laundry</li> </ol> </li> </ol>	

	<p>sinks.</p> <ol style="list-style-type: none"> <li>3. The <i>greywater</i> irrigation system must be installed by an approved installer who must produce an installer’s certificate demonstrating that the system meets requirements and will be installed correctly.</li> <li>4. A <i>greywater</i> installer’s certificate must be provided with the <i>building</i> consent application and the <i>greywater</i> diversion device must be installed by a licensed plumber who has a <i>greywater</i> installer’s certificate from the manufacturer and the system will be inspected and verified by a building inspector. <i>Greywater re-use system</i> set up and maintenance instructions must be added to the Land Information Memorandum for every <i>property</i> installing such a device.</li> <li>5. All new or relocated <i>residential buildings</i> where a rainwater storage tank supplies toilets must be fitted with separate plumbing, including backflow prevention devices, for these <i>non-potable uses</i> to prevent cross contamination of <i>drinking water</i>. <i>Non potable water</i> pipes between the rainwater tank and outlets (toilets and outdoor taps) shall be clearly labelled and coloured to differentiate them from <i>potable water</i> pipes and there shall be permanent <i>non-drinking water</i> signage over outdoor taps connected to rainwater tanks. Roof gutters are required to have leaf guards or screens and mosquito screens on all rain <i>water</i> tank vents. A restricted top-up from the public <i>potable water supply</i> will be provided to the tank to ensure that sufficient <i>water</i> to flush toilets is available.</li> <li>6. Where a <i>development</i> will contain more than one <i>residential building</i>, e.g. a retirement home or village or a multi-unit residential <i>development</i>, a common rainwater storage facility with a volume of 10,000 litres per <i>residential unit</i> (as determined by the <i>residential unit measurement criteria</i>) can be provided so long as access to operate and maintain the facility is secured via an easement or it is located within an area of ‘common property’.</li> </ol> <p>In both rainwater storage tanks and <i>greywater re-use systems</i>, backflow prevention must comply with the legislative requirements of the Drinking-water Standards for New Zealand 2005 (revised 2008), in particular, where connections to a <i>potable water</i> supply exist.</p> <p>Separation and/or backflow prevention between potable and non-potable systems will be required in residential situations to ensure that public health is not compromised by cross contamination from the use of non-potable <i>water</i>.</p> <p>No outdoor taps shall be connected to the <i>potable public water supply</i>.</p> <ol style="list-style-type: none"> <li>7. Rainwater and <i>greywater</i> systems must be constructed in accordance with the Kapiti Coast Rainwater and Greywater Code of Practice 2012.</li> </ol>
	<p><b>Note:</b> Soil conditions and suitability for <i>greywater</i> irrigation can be viewed at Maps - Kāpiti Coast District Council (<a href="http://kapiticoast.govt.nz">kapiticoast.govt.nz</a>)</p>
<b>INF-MENU-R29</b>	<p><i>Residential buildings</i> in all Rural Zones and the General Residential Zone at Te Horo Beach.</p>
Permitted Activity	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. A <i>potable water</i> supply must be provided.</li> </ol> <p><b>Note:</b> Compliance with the Drinking-water Standards for New Zealand 2005</p>

	<p>(revised 2008) and the New Zealand Building Code 1992, to the extent that this is applicable, shall be one means of complying with this standard.</p> <p>2. The quantity of <i>potable water</i> available for use must be on the basis of 250 litres (essential use) per person per day and there must be sufficient storage capacity to supply 4 people for up to 30 days i.e. a capacity of 30,000 litres.</p>
<p><b>INF-MENU-R30</b></p>	<p>Activities, <i>buildings</i> and <i>structures</i> located within the <i>national grid yard</i>, identified as a <i>permitted activity</i> under the rules in INF-MENU-R30 to INF-MENU-R34.</p>
<p>Permitted Activity</p>	<p><b>Standards</b></p> <p>1. <i>Buildings</i> and <i>structures</i> within any national grid yard shall demonstrate compliance with the requirements of NZECP34:2001.</p> <p><b>Notes:</b> Please contact Transpower or a suitably qualified engineer for assistance with clearance requirements in NZECP 34:2001.</p> <p>Compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP34:2001) is mandatory under the Electricity Act 1992. All activities regulated by NZECP34, including <i>buildings</i>, <i>structures</i>, <i>earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are <i>permitted</i> by the District Plan.</p> <p>Vegetation to be planted within the <i>national grid yard</i> as shown on the District Plan Maps should be selected or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003 or prevent access to support <i>structures</i>. To discuss works, including tree planting near any electricity <i>line</i> especially works within the transmission corridor; contact the relevant <i>network utility operator</i>.</p>
<p><b>INF-MENU-R31</b></p>	<p>Within the <i>national grid yard</i> on any <i>subject site</i> and within any <i>zone</i>:</p> <ol style="list-style-type: none"> <li>1. <i>network utilities</i>;</li> <li>2. fences;</li> <li>3. internal <i>alterations</i> and <i>additions</i> to existing <i>buildings</i> for <i>sensitive activities</i>;</li> <li>4. uninhabitable farm <i>buildings</i> and <i>structures</i> for <i>farming</i> activities, including stockyards; and</li> <li>5. horticultural <i>structures</i> including artificial crop <i>structures</i> and crop support <i>structures</i></li> </ol> <p>located more than 12 metres from a <i>national grid</i> support <i>structure</i> foundation or stay wire.</p>
<p>Permitted Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. Network utilities:             <ol style="list-style-type: none"> <li>a. must be within the <i>road</i> reserve or a railway corridor; or</li> <li>b. that form part of electricity <i>infrastructure</i>, must connect to the <i>national grid</i> utility</li> </ol> </li> <li>2. Fences must be no more than 2.5 metres in <i>height</i> (above <i>original ground</i></li> </ol>

	<p>level).</p> <p>3. Internal alterations and additions to existing <i>buildings</i> for sensitive activities must not involve an increase in the <i>building</i> envelope or floor space.</p>
<p><b>INF-MENU-R32</b></p>	<p>Within a <i>national grid</i> developed area identified on District Plan Maps 07, 09 and 10 (Historical, Cultural, <i>Infrastructure</i>, Districtwide) within the general <i>residential zone</i> (as at the date the District Plan is operative):</p> <ol style="list-style-type: none"> <li>1. any uninhabitable <i>accessory buildings</i> (excluding <i>minor buildings</i>); and</li> <li>2. any new <i>building</i> (excluding <i>minor buildings</i>), or <i>addition</i> to an existing <i>building</i> (excluding <i>minor buildings</i>), that involves an increase in the <i>building</i> envelope or <i>height</i>, not associated with a <i>sensitive activity</i>.</li> </ol> <p>located more than 12 metres from a <i>national grid</i> support <i>structure</i> foundation or stay wire.</p>
<p>Permitted Activity</p>	<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. Please contact Transpower or a suitably qualified engineer for assistance with clearance requirements in NZECP 34:2001.</li> <li>2. Compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZECP34:2001) is mandatory under the Electricity Act 1992. All activities regulated by NZECP34, including <i>buildings</i>, <i>structures</i>, <i>earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are <i>permitted</i> by the District Plan.</li> <li>3. Vegetation to be planted within the <i>national grid yard</i> as shown on the District Plan Maps should be selected or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003 or prevent access to support <i>structures</i>. To discuss works, including tree planting near any electricity <i>line</i> especially works within the transmission corridor; contact the relevant <i>network utility operator</i>.</li> </ol>
<p><b>INF-MENU-R33</b></p>	<p>Within the <i>national grid Yard</i></p> <ol style="list-style-type: none"> <li>1. <i>network utilities</i>;</li> <li>2. fences; or</li> <li>3. agricultural or horticultural <i>structures</i></li> </ol> <p>within 12 metres of a <i>national grid</i> support <i>structure</i> foundation or stay wire.</p>
<p>Permitted Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. <i>Network utilities</i>:             <ol style="list-style-type: none"> <li>a. must be within a transport corridor; or</li> <li>b. that form part of electricity <i>infrastructure</i> shall connect to the <i>national grid network utility</i>.</li> </ol> </li> <li>2. Fences shall be no more than 2.5 metres in <i>height</i> (above <i>original ground level</i>) and be more than 5 metres from the nearest <i>national grid</i> support <i>structure</i> foundation.</li> <li>3. Agricultural or horticultural <i>structures</i> located within 12 metres of a <i>national grid</i> tower support <i>structure</i> shall demonstrate compliance with Clause 2.4.1 of</li> </ol>

	<p>NZEC34:2001.</p> <p><b>Advice notes:</b></p> <p>Please contact Transpower or a suitably qualified engineer for assistance with requirements in NZEC34:2001.</p> <p>Compliance with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZEC34:2001) is mandatory under the Electricity Act 1992. All activities regulated by NZEC34, including <i>buildings, structures, earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are <i>permitted</i> by the District Plan.</p> <p>Vegetation to be planted within the <i>national grid yard</i> as shown on the District Plan Maps should be selected and/or managed to ensure that it will not result in that vegetation breaching the Electricity (Hazards from Trees) Regulations 2003 or prevent access to support <i>structures</i>. To discuss works, including <i>tree</i> planting near any electricity <i>line</i> especially works within the transmission corridor; contact the relevant <i>network utility operator</i>.</p>
<p><b>INF-MENU-R34</b></p>	<p><i>Earthworks</i> within any <i>national grid yard</i>, excluding:</p> <ol style="list-style-type: none"> <li>1. <i>extractive industries</i> (See EW-EXT).</li> <li>2. the removal or replacement of underground fuel storage tanks; and</li> <li>3. "<i>earthworks</i>" as defined in and regulated by the <i>NESPF</i>.</li> </ol> <p><b>Note:</b> Farm <i>quarries</i> are not permitted in the <i>national grid yard</i> and will require consent under INF-MENU-R36 or INF-MENU-R39.</p>
<p>Permitted Activity</p>	<p><b>Standards</b></p> <ol style="list-style-type: none"> <li>1. <i>Earthworks</i> within a distance measured 12 metres from the outer visible edge of any <i>national grid</i> support <i>structure</i> must not exceed a depth (measured vertically) of 300mm.</li> <li>2. The following are exempt from 1 above:             <ol style="list-style-type: none"> <li>a. <i>Earthworks</i> for a <i>network utility</i> within a transport corridor, as part of a transmission activity, or for electricity <i>infrastructure</i>.</li> <li>b. <i>Earthworks</i> undertaken as part of agricultural or domestic <i>cultivation</i> (including ploughing), or repair, sealing or resealing of a <i>road, footpath, driveway or farm track</i>.</li> <li>c. Vertical holes not exceeding 500mm in diameter are exempt provided they:                 <ol style="list-style-type: none"> <li>i. are more than 1.5 metres from the outer edge of <i>pole</i> support <i>structure</i> or stay wire or</li> <li>ii. are a post hole for a farm fence or artificial crop protection and crop support <i>structures</i> and more than 5 metres from the visible outer edge of a tower support <i>structure</i> foundation.</li> </ol> </li> </ol> </li> <li>3. <i>Earthworks</i> must not result in a reduction in the ground to conductor clearance distances of less than: 6.5 metres (measured vertically) from a 110kV <i>national grid transmission line</i>; or 7.5 metres (measured vertically) from a 220kV <i>national grid transmission line</i>.</li> </ol>

<b>INF-MENU-R35</b>	Any new and relocated <i>residential building</i> , that does not comply with any one or more of the <i>permitted activity</i> standards under INF-MENU-R28.	
Restricted Discretionary Activity	<b>Standards</b>  <ol style="list-style-type: none"> <li>1. An assessment that demonstrates the system proposed will permanently reduce water demand associated with the <i>residential unit(s)</i> by at least 30% from <i>Household 2007 summer average water use</i>.</li> <li>2. The provision of a non-potable supply for all outdoor uses associated with the <i>residential unit</i>, including garden irrigation.</li> <li>3. Provision must be made to ensure that no outdoor taps can be connected to the <i>potable public water supply</i> system.</li> </ol>	<b>Matters of Discretion</b>  <ol style="list-style-type: none"> <li>1. Supply, storage and use of non-potable <i>water</i> to the <i>residential unit</i>.</li> <li>2. <i>Effects</i> on public health, ecological and hydrological systems.</li> </ol>
<b>INF-MENU-R36</b>	<p><i>Earthworks</i> within a <i>national grid yard</i> that do not comply with INF-MENU-R34</p> <p>Criteria for Notification: Where an activity requires resource consent solely because it is within the <i>national grid yard</i> public notification of the application is precluded. However, any application under this rule will be served on Transpower, unless the written approval from Transpower is provided at the time the application is lodged</p>	
Restricted Discretionary Activity	<b>Standards</b>  <ol style="list-style-type: none"> <li>1. <i>Earthworks</i> shall not result in a reduction in the ground to conductor clearance distances of less than: 6.5 metres (measured vertically) from a 110kV <i>National Grid transmission line</i>; or 7.5 metres (measured vertically) from a 220kV <i>national grid transmission line</i>.</li> </ol>	<b>Matters of Discretion</b>  <ol style="list-style-type: none"> <li>1. Any <i>risk</i> to the structural integrity of the <i>transmission line</i>.</li> <li>2. Any <i>effects</i> on the ability of the <i>transmission line</i> owner to access, operate, maintain and/or upgrade the <i>national grid</i>.</li> <li>3. The proximity of <i>buildings</i> and <i>structures</i> to electrical hazards.</li> <li>4. Operational <i>risks</i> relating to health or public safety, and the <i>risk</i> of <i>property</i> damage.</li> <li>5. <i>Amenity effects</i>.</li> <li>6. Any actual or potential <i>reverse sensitivity effects</i>.</li> <li>7. Technical advice provided by the <i>national grid</i> owner (Transpower).</li> <li>8. Any <i>effects</i> on <i>national grid</i> support <i>structures</i> including the creation of an unstable batter.</li> </ol>
<b>INF-MENU-R37</b>	Any new or relocated <i>residential building</i> , that is not a <i>permitted activity</i> under INF-MENU-R29 and INF-MENU-R28, or a <i>restricted discretionary activity</i> under INF-MENU-R35.	

Non-Complying Activity	
<b>INF-MENU-R38</b>	<p>The following activities, <i>buildings</i> or <i>structures</i> within any part of the <i>national grid yard</i> on any <i>subject site</i>:</p> <ol style="list-style-type: none"> <li>1. any new <i>building</i> for a <i>sensitive activity</i> or <i>addition</i> to a lawfully established <i>building</i> that involves an increase in the <i>building</i> envelope or <i>height</i> for a <i>sensitive activity</i>;</li> <li>2. a change of use from a non-sensitive to a <i>sensitive activity</i> or the establishment of a new <i>sensitive activity</i>;</li> <li>3. any milking shed (excluding <i>accessory buildings</i> and <i>structures</i>), commercial greenhouse, <i>protective canopies</i> or other <i>building</i> (excluding <i>minor buildings</i>) used for the keeping of <i>animals</i>;</li> <li>4. any activity, <i>building</i> or <i>structure</i> provided for under INF-MENU-R30, INF-MENU-R31 or INF-MENU-R33 that does not comply with the associated <i>permitted activity</i> standards; or</li> <li>5. any <i>building</i> or <i>structure</i> within the <i>national grid yard</i> that is not a <i>permitted activity</i> under INF-MENU-R32.</li> </ol>
Non-Complying Activity	
<b>INF-MENU-R39</b>	<p><i>Earthworks</i> within a national grid yard that is not a <i>permitted activity</i> under INF-MENU-R34 or a restricted discretionary activity under INF-MENU-R36.</p>
Non-Complying Activity	