

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 *reserve 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. 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 *tangata 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

To maintain a consolidated urban form within existing urban areas and a limited number of identified growth areas which 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. resilient communities where development does not result in an increase in risk to life or severity of damage to property from natural hazard events;
4. higher residential densities in locations that are close to centres and public open spaces, with good access to public transport;
5. management of development in areas of special character or amenity so as to maintain, and where practicable, enhance those special values;
6. 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;
7. 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; and
8. management of the location and effects of potentially incompatible land uses including any interface between such uses.

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-O11 Character and Amenity Values

To maintain and enhance the unique character and amenity values of the District's distinct communities so that residents and visitors enjoy:

1. relaxed, unique and distinct village identities and predominantly low-density residential areas characterised by the presence of mature vegetation, a variety of built forms, the retention of landforms and unique community identities;
2. vibrant, lively *town centres* supported by higher density residential and mixed use areas;
3. neighbourhood *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-O13 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-O14 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-O15 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

INF-GEN-P1	Recognition
<p>The national, regional or local importance and benefits of sustainable, secure and efficient provision of the following <i>Infrastructure</i> will be recognised:</p> <ol style="list-style-type: none"> 1. facilities for the generation of electricity; 2. activities, <i>buildings</i>, <i>structures</i>, <i>lines</i> and <i>masts</i> associated with the operation, maintenance and upgrade of the <i>National Grid</i>, 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. <i>road</i> and rail networks as mapped in the Regional Land Transport Strategy or Regional Land Transport Plan and Council's <i>transport network hierarchy</i>; 5. telecommunication and radio communication facilities; and 6. public or community <i>Infrastructure</i> associated with <i>water</i> supply, sanitation and <i>waste</i> facilities, the <i>stormwater</i> network and drainage, provided these services are developed within a <i>water</i> conservation framework and minimise environmental impacts. 	
<p>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.</p>	
INF-GEN-P2	Reverse Sensitivity
<p><i>Reverse sensitivity effects on infrastructure from subdivision, land use and development will be avoided, as far as reasonably practicable, by ensuring that:</i></p> <ol style="list-style-type: none"> 1. <i>Infrastructure</i> corridors are identified and effects upon those corridors from <i>subdivision</i>, <i>land use</i> and <i>development</i> 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- Infrastructure Across Local Authority Boundaries

P6	
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 <i>infrastructure</i> .	
INF-GEN-P7	Infrastructure and Growth Management
<p><i>Subdivision, use and development of land</i> for urban growth and intensification will be focused on certain areas (i.e. in existing <i>urban areas</i>).</p> <p><i>Subdivision, use and development</i> will be avoided in areas where it:</p> <ol style="list-style-type: none"> 1. is unable to be efficiently integrated with existing <i>infrastructure</i>, or be serviced by new <i>infrastructure</i> 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 <i>infrastructure</i> asset management planning; 4. would lead to inefficient or unduly high operation and maintenance costs for public <i>infrastructure</i>; 5. is unable to make the most efficient use of the <i>transport network</i>; and 6. would lead to further growth pressures and demand for <i>infrastructure</i> investment ahead of the community's or <i>infrastructure</i> provider's ability to fund, or its desired funding programme. 	
INF-GEN-P8	Development Staging
<p>Where <i>subdivision</i> or <i>development</i> is proposed that requires additional or earlier community investment in <i>infrastructure</i> than is set out in the Council's Long Term Plan, Infrastructure Strategy and Annual Plan, the <i>Council</i> will either:</p> <ol style="list-style-type: none"> 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 <i>infrastructure</i> upgrade works by a developer, provided that: <ol style="list-style-type: none"> a. those works do not trigger additional community and <i>network utility operator</i> 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 <i>financial contribution</i> in accordance with the Financial Contributions chapter of this Plan. 	
INF-GEN-P9	Proximity to Planning Features (Excluding the National Grid)
<p>New network <i>Infrastructure</i> will be managed to:</p> <ol style="list-style-type: none"> 1. avoid inappropriate new works in areas of hazard <i>risk</i> as identified on District Plan maps: <ol style="list-style-type: none"> a. <i>well defined fault avoidance area</i>; b. <i>well defined extension fault avoidance area</i>; and c. <i>river corridor, stream corridor and overflow path</i>; 	

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
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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.

INF-GEN-P11	Quality of Infrastructure Design and Services
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Development and *subdivision*, and the provision of associated Infrastructure will be undertaken in accordance with the Council’s Subdivision and Development Principles and Requirements, 2012.

INF-GEN-P12	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

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 telecommunication 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.

INF-PNU-P13	Development, Use, Maintenance, Replacement and Upgrading
<p>The development, use, maintenance, replacement and upgrading of <i>network utilities</i> will be enabled while ensuring that adverse environmental <i>effects</i> are minimised.</p> <p>When considering measures to avoid, remedy or mitigate adverse environmental <i>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>Note: This policy gives effect to the National Policy Statement on Electricity Transmission, 2008.</p>	
INF-PNU-	Place Network Utilities Underground

P14	
<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>	
INF-PNU-P15	Co-location and Co-siting
<p>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>.</p>	
INF-PNU-P16	Assessment Criteria
<p>The following assessment criteria shall be applied, where applicable, when considering <i>resource consent</i> applications and notices of requirement for the development, construction and upgrading of <i>network utility</i> activities:</p> <p>General</p> <ol style="list-style-type: none"> 1. the extent to which the proposed <i>network utility</i> benefits the local community, the wider region and nation; 2. the degree, extent and <i>effects</i> of the non-compliance with the <i>permitted activity</i> standards; 3. the risks to public health and safety; 4. any adverse <i>effects</i> on traffic and pedestrian safety including sight lines and visibility of traffic signage; 5. whether the size and scale of the proposal is generally compatible with other <i>development</i> in the area; 6. the design and external appearance, including: <ol style="list-style-type: none"> a. the maximum <i>height</i> (above <i>original ground level</i>) and diameter of any <i>mast</i>; b. the maximum <i>height</i> (above <i>original ground level</i>), area or diameter of any <i>antenna</i>; c. the use of external colour and material to minimise the visual contrast with the surrounding <i>environment</i>; d. whether potential adverse visual <i>effects</i> can be mitigated by sensitive siting and design or appropriate planting and/or screening; 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 f. whether alternative locations, routes or methods are physically or technically practicable to safeguard the <i>environment</i>; 7. the extent to which the design mitigates the risk of damage from <i>natural hazards</i> to ensure security of supply and maintain levels of service; 8. any potential interference with public use and enjoyment of the land; 9. amenity <i>effects</i>, including <i>noise</i>, vibration, odour, dust, <i>earthworks</i> and lighting; 10. visual <i>effects</i>, including impacts on: <ol style="list-style-type: none"> a. landscape values, b. the residential and recreational use of <i>land</i> in the vicinity of the proposed utility; c. the existing character, landscape, streetscape and <i>amenity values</i> of the locality; 	

- 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;
11. in respect of *historic heritage* identified in Schedules 7, 8 and 9, whether the significance of the feature is affected by the construction or placement of the *network utility structure, mast or antenna*;
12. where proposed within an *outstanding natural features and landscapes, ecological site* or 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 Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. The activity complies with all <i>permitted activity</i> standards in this section (INF-PNU-R1 to INF-PNU-R12).
INF-PNU-R2	<i>Network utilities</i> generating radiofrequency or electromagnetic fields.
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. Where relevant, <i>network utilities</i> must comply with the following standards: <ol style="list-style-type: none"> a. the maximum exposure levels must not exceed the levels specified in NZS 2772:1999; and b. <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). <p>Note: The Resource Management (National Environmental Standards for Telecommunications Facilities) Regulations 2016 controls all radio-frequency emissions from telecommunication facilities through specific exposure standards.</p>
INF-PNU-R3	The operation, maintenance, repair, replacement or removal of any existing <i>network utility</i> .
Permitted Activity	<p>Notes:</p> <ol style="list-style-type: none"> 1. 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. 2. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 apply to all <i>telecommunication facilities</i>.
INF-PNU-R4	For any existing <i>network utility</i> : <ol style="list-style-type: none"> 1. <i>minor upgrading</i> of any electricity and telecommunication <i>line</i>; and 2. the upgrading of all other <i>network utilities</i>, excluding: <ol style="list-style-type: none"> a. electricity <i>transmission lines</i> above 110kV; and b. gas distribution pipelines at a pressure exceeding 2000 kilopascals.
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. Upgrading must comply with any <i>permitted activity</i> standard applicable to that

	<p><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>).</p> <ol style="list-style-type: none"> 2. <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. 3. 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 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>Notes:</p> <ol style="list-style-type: none"> 1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 apply to all <i>telecommunication facilities</i>. 2. The Resource Management (National Environmental Standard for Electricity Transmission Activities) Regulations 2009 apply to the existing National Grid and to all <i>transmission lines</i> that were in existence on 14 January 2010. 3. Compliance with the Electricity (Hazards from Trees) Regulations 2003 is mandatory for tree trimming and planting.
<p>INF-PNU-R5</p>	<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"> 1. an <i>ecological site</i>; 2. a well-defined <i>fault avoidance area</i>; 3. a well-defined extension <i>fault avoidance area</i>; 4. an <i>open space</i> (conservation and scenic) <i>zone</i>; 5. an <i>outstanding natural features and landscapes</i>; 6. a <i>river corridor</i>; 7. a <i>stream corridor</i>; 8. a <i>ponding area</i>; 9. a <i>shallow surface flow area</i>; 10. an <i>overflow path</i>; 11. a <i>residual overflow path</i>; or 12. a <i>site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9; <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>
<p>Permitted Activity</p>	<p>Standards</p> <ol style="list-style-type: none"> 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.
<p>INF-PNU-R6</p>	<p>New underground telecommunications and radiocommunications facilities.</p>
<p>Permitted Activity</p>	<p>Note: 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>

	The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.
INF-PNU-R7	Meteorological facilities for measuring, collecting and distributing meteorological information including automatic weather masts, voluntary observer sites and associated microwave links. <i>Measurement criteria</i> apply to this rule.
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> One anemometer mast per <i>allotment</i> is permitted provided it does not exceed a <i>height</i> of 12 metres (as measured from <i>Original Ground Level</i>). For any meteorological enclosure and <i>building</i>, the <i>gross floor area</i> must not exceed 30m². <p>Measurement Criteria:</p> <p>When measuring <i>gross floor area</i> for the purposes of this rule, include covered yards 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 200m²; <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"> Meteorological facilities must not be located within: <ol style="list-style-type: none"> an ecological site; a geological feature; an outstanding natural features and landscapes, an or area of outstanding or high natural character; or a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.
INF-PNU-R8	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>Standards</p> <ol style="list-style-type: none"> <i>Masts</i> (including <i>antenna</i> and support <i>structures</i>) must not be located within: <ol style="list-style-type: none"> an <i>ecological site</i>; a <i>geological feature</i>; an <i>outstanding natural features and landscape</i>; an area of outstanding or high <i>natural character</i>; a <i>river corridor</i>; a <i>stream corridor</i>, or a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9. Additional antenna on existing masts in these areas are permitted subject to

standards 3 to 6 below.

Note: 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 *network utility operators*. Where an activity is not permitted under the Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 the standards in 3 to 6 below apply.

3. Subject to standard 4 below, the maximum *height* (measured above *original ground level*) and diameter standards (m = metres; mm = millimetres), excluding any lightning rod, shall apply:
 - a. In any Residential Zone, the Waikanae North Development Area, or the Ngārara Development Area, a maximum *height* of 12 m and maximum mast diameter of 600 mm from 6 m.
 - b. In the General Rural Zone, Rural Production Zone and Rural Lifestyle Zone, a maximum *height* of 18 m and maximum mast diameter of 600 mm from 6 m.
 - c. In the General Industrial Zone, a maximum *height* of 25 m and maximum mast diameter of 1.5 m.
 - d. In the Local Centre Zone, Town Centre Zone, and Mixed Use Zone, a maximum *height* of 15 m and maximum mast diameter of 1.5 m.
 - e. In the Metropolitan Centre Zone, a maximum *height* of 20 m and maximum mast diameter of 1.5 m.
 - f. In the Open Space Zone and Natural Open Space Zone, a maximum *height* of 12 m and maximum mast diameter of 600 mm from 6 m.
 - g. In the Aiport Zone (subject to *designation*), maximum *height* of 20 m and maximum mast diameter of 1.5 m.
4. Where the *mast* will be used to support *antennas* of more than one *network utility operator* then a 3 metre allowance on the *Permitted Activity height* standard in 2 above shall apply.
5. The diameter of any *antenna* must comply with the horizontal circle standards below (the circle within which the *antenna* must fit):
 - a. In any Residential Zone, the Waikanae North Development Area, or the Ngārara Development Area, 0.75 m.
 - b. In the Rural Production Zone, 2 m.
 - c. In the General Rural Zone and Rural Lifestyle Zone, 1.2 m.
 - d. In the General Industrial Zone, 5 m.
 - e. In the Local Centre Zone, Town Centre Zone, and Mixed Use Zone, 0.75 m.
 - f. In the Metropolitan Centre Zone, 2 m.
 - g. In the Open Space Zone and Natural Open Space Zone, 0.75 m.
 - h. In the Aiport Zone (subject to *designation*), 5 m.
6. Must not be located closer than 5 metres from a *site boundary* in any Residential Zone, the Waikanae North Development Area, or Ngārara Development Area (measured from the outer edge of the *mast*, excluding the base or foundation), except along *boundary* with *legal road*.

INF-PNU-R9 *Antenna used for network utility purposes and its support structures where*

	<p>attached to an existing building (excluding <i>minor buildings</i>).</p> <p>Note: 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>Standards</p> <ol style="list-style-type: none"> 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"> a. <i>an outstanding natural features and landscape</i>; b. a <i>site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9. 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"> a. In any Residential Zone, Waikanae North Development Area and Ngārara Development Area, 2 m. b. In all other zones, 5 m. 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. 4. The diameter and size of any <i>antenna</i> must comply with the standards below: <ol style="list-style-type: none"> 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 m². b. In any Rural Zone, a maximum diameter of 2.4 m and maximum area of 1.8 m². c. In the General Industrial Zone, a maximum diameter of 2.4 m and maximum area of 1.8 m². 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 m². e. In the Open Space Zone and Natural Open Space Zone, a maximum diameter of 1.2 m and maximum area of 0.8 m². f. In the Airport Zone (subject to <i>designation</i>), a maximum diameter of 2.4 m and maximum area of 1.8 m².
<p>INF-PNU-R10</p>	<p>Aboveground <i>cabinets</i> except for:</p> <ol style="list-style-type: none"> 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>; 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 3. in the Natural Open Space Zone, the <i>river corridor</i>, and the <i>stream corridor</i>.
<p>Permitted Activity</p>	<p>Standards</p>

	<ol style="list-style-type: none"> 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 metres and maximum footprint of 3m²; and 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 8m²; and 3. All <i>cabinets</i> must be located no closer than 2m to any <i>boundary</i> if not located within <i>road</i>. <p>Note: The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.</p>		
<p>INF-PNU-R11</p>	<p>Any <i>network utility</i> enclosed within a <i>building</i>, excluding <i>minor buildings</i>.</p>		
<p>Permitted Activity</p>			
<p>INF-PNU-R12</p>	<p>Extensions to existing and new above ground <i>lines</i> in the <i>Rural Zones</i>, except for electricity <i>transmission lines</i> above 110kV.</p>		
<p>Permitted Activity</p>	<p>Standards</p> <ol style="list-style-type: none"> 1. Single-<i>pole</i> 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 2. Extensions and new above ground <i>lines</i> must not be located within: <ol style="list-style-type: none"> a. an <i>ecological site</i>; b. a <i>geological feature</i>; c. an <i>outstanding natural feature and landscape</i>; d. an <i>area of outstanding or high natural character</i>; or e. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9. 		
<p>INF-PNU-R13</p>	<p>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.</p>		
<p>Restricted Discretionary Activity</p>	<table border="1" style="width: 100%;"> <tr> <td data-bbox="336 1270 874 1518"> <p>Standards</p> </td> <td data-bbox="879 1270 1431 1518"> <p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. The <i>effects</i> of non-compliance of the relevant standards. 2. Measures to avoid, remedy or mitigate adverse <i>effects</i>. 3. Cumulative <i>effects</i>. </td> </tr> </table>	<p>Standards</p>	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. The <i>effects</i> of non-compliance of the relevant standards. 2. Measures to avoid, remedy or mitigate adverse <i>effects</i>. 3. Cumulative <i>effects</i>.
<p>Standards</p>	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. The <i>effects</i> of non-compliance of the relevant standards. 2. Measures to avoid, remedy or mitigate adverse <i>effects</i>. 3. Cumulative <i>effects</i>. 		
<p>INF-PNU-R14</p>	<p>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> <p>Note:</p> <ol style="list-style-type: none"> 1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities. 2. The Resource Management National Environmental Standard for Electricity Transmission Activities) Regulations 2009 applies to the upgrading of a <i>transmission line</i>. 		

<p>Restricted Discretionary Activity</p>	<p>Standards</p> <ol style="list-style-type: none"> 1. The upgrading of the <i>network utility</i> must comply with <i>permitted activity</i> standards under INF-PNU-R2. 	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived for the activity. 2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive activities</i>. 3. Health and safety. 4. Layout, design, and materials. 5. Context and surroundings. 6. <i>Effects</i> on an <i>ecological site, geological feature, outstanding natural features and landscape, or area of outstanding or high natural character</i>. 7. <i>Effects</i> on <i>historic heritage</i>. 8. Visual, character and amenity <i>effects</i>. 9. Adequacy of the methods of mitigation/remediation or ongoing management.
<p>INF-PNU-R15</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"> 1. an area, <i>building, structure</i> or place listed in Schedules 7, 8 or 9; 2. an <i>outstanding natural feature and landscape</i>; 3. an <i>ecological site</i>; 4. the Natural Open Space Zone; or 5. a <i>stream corridor</i>, or 6. a <i>river corridor</i>. <p>Note: 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>Standards</p> <ol style="list-style-type: none"> 1. <i>Cabinets</i> must comply with the relevant <i>permitted activity</i> standards for noise in the Noise Chapter. 	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived for the activity. 2. Health and safety. 3. Layout, design and location of proposed <i>structure</i>. 4. Colour and materials of proposed <i>structure</i>. 5. Visual, character and amenity <i>effects</i>. 6. Public safety. 7. <i>Effects</i> on <i>historic heritage</i>. 8. Adequacy of the methods of mitigation/remediation or ongoing management. 9. <i>Natural hazard risk</i> management.
<p>INF-PNU-</p>	<p>New above ground <i>lines</i> or extensions to existing above ground <i>lines</i> in the Rural</p>	

<p>R16</p>	<p>Zone 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 road in all other zones.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities. 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>Restricted Discretionary Activity</p>	<p>Standards</p> <ol style="list-style-type: none"> 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. 2. The extension to above ground electricity or telecommunication distribution <i>lines</i> must not be located within: <ol style="list-style-type: none"> a. an <i>ecological site</i>; b. a <i>river corridor</i>; c. a <i>stream corridor</i>; d. an <i>outstanding natural feature and landscape</i>; e. an <i>area of outstanding natural character or high natural character</i>; or f. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9. <p>Note: 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>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived for the activity. 2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive activities</i>. 3. Health and safety. 4. Layout, design and location of proposed <i>structure</i>. 5. Colour and materials of proposed <i>structure</i>. 6. Visual, character and amenity <i>effects</i>. 7. Public safety. 8. <i>Effects</i> on a <i>geological feature</i>. 9. <i>Natural hazard risk</i> management. 10. Adequacy of the methods of mitigation/remediation or ongoing management.
<p>INF-PNU-R17</p>	<p>Any:</p> <ol style="list-style-type: none"> 1. freestanding <i>mast</i>, with or without <i>antenna</i>, 2. <i>antenna</i> attached to a <i>building</i>, excluding <i>minor buildings</i>; or 3. meteorological facility; <p>that does not comply with one or more of the <i>permitted activity</i> standards under rules INF-PNU-R7 (standards 1 & 2), INF-PNU-R8 (standards 2-5) and INF-PNU-R9 (standards 2-4).</p>	

<p>Note: 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>Standards</p>	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived for the activity. 2. Any opportunities to reduce existing adverse <i>effects</i> on <i>sensitive activities</i>. 3. Health and safety. 4. Layout, design and location of proposed <i>structure</i>. 5. Colour and materials of proposed <i>structure</i>. 6. Visual, character and amenity <i>effects</i>. 7. Public safety. 8. Adequacy of the methods of mitigation/remediation or ongoing management.
<p>INF-PNU-R18</p> <p>New aboveground <i>network utilities</i> within any <i>ponding area</i>, <i>shallow surface flow area</i>, <i>overflow path</i> or <i>residual overflow path</i>, which are above ground, other than telecommunications and radiocommunications.</p> <p>Note: 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>Standards</p> <ol style="list-style-type: none"> 1. Must comply with the relevant <i>permitted and controlled activity</i> standards for the <i>network utility</i>. 	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived from the activity. 2. Public safety. 3. Extent of <i>earthworks</i>. 4. Adequacy of the methods of mitigation/remediation or on-going management. 5. Degree of compliance with the Council's Subdivision and Development Principles and Requirements, 2012. 6. <i>Natural hazard risk</i> management.
<p>INF-PNU-R19</p> <p>New underground <i>network utilities</i>, other than telecommunication and radiocommunication, located within:</p> <ol style="list-style-type: none"> 1. the well-defined <i>fault avoidance area</i>; 2. the well-defined extension <i>fault avoidance area</i>; 3. an <i>ecological site</i>; 4. the Natural Open Space Zone; 5. an <i>outstanding natural feature and landscape</i>; or 		

	6. a <i>subject site</i> with a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9.	
Restricted Discretionary Activity	Standards	Matters of Discretion <ol style="list-style-type: none"> 1. Any positive <i>effects</i> to be derived from the activity. 2. Public safety. 3. Extent of <i>earthworks</i>. 4. Adequacy of the methods of mitigation/remediation or on-going management. 5. <i>Effects</i> on an <i>ecological site, geological feature, outstanding natural feature and landscape</i>, or area of outstanding or high <i>natural character</i>. 6. <i>Effects</i> on <i>historic heritage</i>. 7. Adequacy of geotechnical information. 8. <i>Natural hazard risk</i> management.
INF-PNU-R20	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.	
Discretionary Activity		
INF-PNU-R21	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 height (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. Note: The Resource Management (National Environmental Standard for Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities.	
Discretionary Activity		
INF-PNU-R22	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: <ol style="list-style-type: none"> 1. the well-defined <i>fault avoidance area</i>; 2. the well-defined extension <i>fault avoidance area</i>; 3. an <i>ecological site</i>; 4. the Natural Open Space Zone; 5. an <i>outstanding natural features and landscape</i>; 6. <i>areas of outstanding or high natural character</i>; 7. a <i>stream corridor</i>; 8. a <i>river corridor</i>; or 9. a <i>subject site</i> containing a <i>historic heritage area, building, structure</i> or place identified in Schedules 7, 8 or 9. Note 1: The Resource Management (National Environmental Standards for	

	Telecommunication Facilities) Regulations 2016 applies to the installation and operation of telecommunication facilities in the following areas: <ol style="list-style-type: none"> 1. well-defined <i>fault avoidance</i> area; 2. well-defined <i>extension fault avoidance</i> areas; 3. a <i>stream corridor</i>, and 4. a <i>river corridor</i>.
Discretionary Activity	
INF-PNU-R23	Any underground gas transmission pipeline at a pressure of 2000 kilopascals or greater and <i>ancillary</i> above ground stations/equipment.
Discretionary Activity	
INF-PNU-R24	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	
INF-PNU-R25	Any <i>network utility</i> which does not comply with the <i>permitted activity</i> standard under INF-PNU-R2.
Non-Complying Activity	
INF-PNU-R26	<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*.

INF-MENU-P17	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>Note: This policy gives effect to the Regional Policy Statement for the Wellington Region.</p>	
INF-MENU-P18	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"> 1. whether there is capacity in Council’s existing <i>infrastructure</i>; 2. the extent to which the capacity and environmental values of watercourses or <i>drains</i> and the associated catchment areas will be compromised; 3. the extent to which <i>development</i> styles and <i>stormwater</i> management methods mimic natural, pre-<i>development</i> runoff patterns; 4. the extent to which riparian vegetation is protected and enhanced; 5. whether minimal vegetation loss in riparian areas associated with <i>development</i> is achieved; 6. the extent to which <i>water</i> quality is ensured to enhance and maintain aquatic ecosystem health; 	

- 7. the extent to which a healthy aquatic system is maintained, including maintenance of sufficient flows and avoidance of unnatural fluctuations in flows;
- 8. the extent to which degraded, piped or channelled streams are restored and realigned into a more natural pattern;
- 9. where practicable, the extent to which low impact design, including on-site disposal of *stormwater*, soft engineering or bioengineering solutions and swales within the *legal road* are used;
- 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

INF-MENU-R27	All <i>permitted activities</i> in all zones, including <i>network utilities</i> .
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. <i>Development</i> must be undertaken in accordance with the Council's Subdivision and Development Principles and Requirements, 2012.
INF-MENU-R28	Any new and relocated <i>residential buildings</i> on land where <i>potable public water supply</i> is available.
INF-MENU-R29	<i>Residential buildings</i> in all Rural Zones.
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. A <i>potable water</i> supply must be provided. <p>Note: Compliance with the Drinking-water Standards for New Zealand 2005 (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> <ol style="list-style-type: none"> 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.
INF-MENU-R30	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.
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 1. <i>Buildings</i> and <i>structures</i> within any National Grid Yard shall demonstrate compliance with the requirements of NZECP34:2001. <p>Notes: 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, structures, earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are permitted 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 <i>transmission corridor</i>, contact the relevant <i>network utility operator</i>.</p>
<p>INF-MENU-R31</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"> 1. <i>network Utilities</i>; 2. fences; 3. internal <i>alterations</i> and <i>additions</i> to existing <i>buildings</i> for <i>sensitive activities</i>; 4. uninhabitable farm <i>buildings</i> and <i>structures</i> for <i>farming</i> activities, including stockyards; and 5. horticultural <i>structures</i> including artificial crop <i>structures</i> and crop support <i>structures</i> <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>Standards</p> <ol style="list-style-type: none"> 1. Network Utilities: <ol style="list-style-type: none"> a. must be within the <i>road</i> reserve or a railway corridor; or b. that form part of electricity <i>Infrastructure</i>, must connect to the <i>National Grid</i> utility 2. Fences must be no more than 2.5 metres in <i>height</i> (above <i>original ground level</i>). 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>INF-MENU-R32</p>	<p>Within a National Grid Developed Area identified on District Plan Maps 07, 09 and 10 (Historical, Cultural, Infrastructure, Districtwide) within the General Residential Zone (as at the date the District Plan is operative):</p> <ol style="list-style-type: none"> 1. any uninhabitable <i>accessory buildings</i> (excluding <i>minor buildings</i>); and 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>. <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>Notes:</p> <ol style="list-style-type: none"> 1. Please contact Transpower or a suitably qualified engineer for assistance with

	<p>clearance requirements in NZECP 34:2001.</p> <ol style="list-style-type: none"> 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, structures, earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are permitted by the District Plan. 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 <i>transmission corridor</i>, contact the relevant <i>network utility operator</i>.
<p>INF-MENU-R33</p>	<p>Within the <i>National Grid Yard</i></p> <ol style="list-style-type: none"> 1. <i>network utilities</i>; 2. fences; or 3. agricultural or horticultural <i>structures</i> <p>within 12 metres of a <i>National Grid</i> support <i>structure</i> foundation or stay wire.</p>
<p>Permitted Activity</p>	<p>Standards</p> <ol style="list-style-type: none"> 1. Network Utilities: <ol style="list-style-type: none"> a. must be within a transport corridor; or b. that form part of electricity <i>infrastructure</i> shall connect to the <i>National Grid network utility</i>. 2. Fences shall be no more than 2.5 metres in <i>height (above original ground level)</i> and be more than 5 metres from the nearest <i>National Grid</i> support <i>structure</i> foundation. 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 NZECP34:2001. <p>Advice notes:</p> <p>Please contact Transpower or a suitably qualified engineer for assistance with 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, structures, earthworks</i> and the operation of mobile plant, must comply with that regulation. Activities should be checked for compliance even if they are permitted 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 <i>transmission corridor</i>, contact</p>

	the relevant <i>network utility operator</i> .	
INF-MENU-R34	<p><i>Earthworks</i> within any <i>National Grid Yard</i> , excluding:</p> <ol style="list-style-type: none"> 1. <i>extractive industries</i> (See EW-EXT). 2. the removal or replacement of underground fuel storage tanks; and 3. "<i>earthworks</i>" as defined in and regulated by the <i>NESPF</i>. <p>Note: 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>	
Permitted Activity	<p>Standards</p> <ol style="list-style-type: none"> 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. 2. The following are exempt from 1 above: <ol style="list-style-type: none"> a. <i>Earthworks</i> for a <i>Network Utility</i> within a <i>transport corridor</i>, as part of a transmission activity, or for electricity <i>infrastructure</i>. 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</i>, footpath, <i>driveway</i> or farm track. c. Vertical holes not exceeding 500mm in diameter are exempt provided they: <ol style="list-style-type: none"> i. are more than 1.5 metres from the outer edge of <i>pole</i> support <i>structure</i> or stay wire or 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. 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>. 	
INF-MENU-R35	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	<p>Standards</p> <ol style="list-style-type: none"> 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>. 2. The provision of a non-potable supply for all outdoor uses associated with the <i>residential unit</i>, including garden irrigation. 3. Provision must be made to ensure that no outdoor taps can be 	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Supply, storage and use of non-potable <i>water</i> to the <i>residential unit</i>. 2. <i>Effects</i> on public health, ecological and hydrological systems.

	connected to the <i>potable public water supply</i> system.	
INF-MENU-R36	<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	<p>Standards</p> <ol style="list-style-type: none"> 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 National Grid <i>transmission line</i>; or 7.5 metres (measured vertically) from a 220kV National Grid <i>transmission line</i>. 	<p>Matters of Discretion</p> <ol style="list-style-type: none"> 1. Any risk to the structural integrity of the <i>transmission line</i>. 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>. 3. The proximity of <i>buildings</i> and <i>structures</i> to electrical hazards. 4. Operational risks relating to health or public safety, and the risk of property damage. 5. <i>Amenity effects</i>. 6. Any actual or potential <i>reverse sensitivity effects</i>. 7. Technical advice provided by the <i>National Grid</i> owner (Transpower). 8. Any <i>effects</i> on <i>National Grid</i> support <i>structures</i> including the creation of an unstable batter.
INF-MENU-R37	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		
INF-MENU-R38	<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"> 1. any new <i>building</i> for a <i>sensitive activity</i> or addition 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>; 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>; 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 animals; 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 	

	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.
Non-Complying Activity	
INF-MENU-R39	<i>Earthworks</i> within a <i>National Grid Yard</i> that is not a permitted activity under INF-MENU-R34 or a restricted discretionary activity under INF-MENU-R36.
Non-Complying Activity	