

## Chapter 11 Utilities and Energy

### 11.1 Introduction

This introduction is to assist the lay reader to understand how this chapter works and what it applies to. It is not an aid to interpretation in a legal sense.

This chapter relates to a range of [utilities](#) that may occur throughout the District. The objectives, policies, rules, standards and assessment criteria seek to provide for the operation, maintenance, upgrading and development of [utilities](#), while also managing the potential adverse effects of [utilities](#) on the environment.

The provisions of this chapter also seek to avoid the potential adverse effects of other land uses and developments, including [reverse sensitivity](#) effects, on the operation, maintenance, upgrade and development of [utilities](#).

The provisions in this chapter give effect to the Chapter 3 Strategic Directions Objectives.

### 11.2 Objectives and policies

#### 11.2.1 Objective — Provision of utilities

- a. Effective and efficient provision of [utilities](#) in a manner that is integrated with land use and development in the District.
- b. The continued operation, maintenance, upgrade and development of [utilities](#) throughout the District.
- c. An increase in [renewable electricity generation activities](#).

##### 11.2.1.1 Policy — Sustainable water supply

- a. Achieve sustainability and resilience of the District's water supply by encouraging water conservation and the re-use and recycling of water.

##### 11.2.1.2 Policy — Benefits of utilities

- a. Require that new [utilities](#) are designed and constructed to maintain function should a significant seismic event or other natural hazard event occur.
- b. Recognise the national, regional and local benefits of the secure and efficient operation of [utilities](#) by providing for the operation, maintenance, upgrade and development of [utilities](#).

### 11.2.1.3 Policy — Renewable electricity generation

- a. Provide for the operation, maintenance, upgrade and development of [utilities](#) that derive or generate electricity through renewable sources by:
  - i. recognising the benefits to people and communities of [renewable electricity generation](#);
  - ii. acknowledging the implications and constraints associated with [renewable electricity generation activities](#), including locational, operational and technical matters;
  - iii. promoting small and community scale [renewable electricity generation activities](#), such as from solar and wind energy;
  - iv. reducing the use of finite resources for the generation of electricity; and
  - v. recognising the benefits of reducing greenhouse gas emissions that contribute to climate change

### 11.2.1.4 Policy — Communication facilities

- a. Recognise the importance of [radiocommunications](#) and [telecommunication utilities](#) by:
  - i. providing for the development and use of [radiocommunications](#) and [telecommunication utilities](#);
  - ii. acknowledging that the management of adverse effects of [radiocommunications](#) and [telecommunication utilities](#) is constrained by technical and operational requirements; and
  - iii. having regard to design, location and installation method when considering the effects of new or upgraded [radiocommunications](#) and [telecommunication utilities](#).

### 11.2.1.5 Policy — Electricity transmission and [electricity distribution](#)

- a. Recognise the national significance of the [National Grid](#) by:
  - i. providing for the benefits derived from a secure and efficient [electricity transmission network](#);
  - ii. providing for the operation, maintenance, upgrade and development of the [National Grid](#);
  - iii. acknowledging that the management of adverse effects of the [National Grid](#) is constrained by technical and operational requirements; and
  - iv. having regard to the route, site and method selection when considering the effects of new infrastructure or major upgrades.
- b. Provide for ongoing operation, maintenance, upgrade and development of the [electricity distribution network](#), while:
  - i. having particular regard to the post-earthquake repair and resilience requirements of the [electricity distribution network](#).

### 11.2.1.6 Policy — Fuel facilities, storage and supply systems

- a. Recognise the importance of operating, maintaining and developing a reliable and resilient fuel storage and supply system.

## 11.2.2 Objective — Adverse effects

- a. The adverse effects of new or upgraded [utilities](#) on other activities and the environment are managed, whilst having regard to the technical and operational requirements of [utilities](#).
- b. The protection of [utilities](#) from the adverse effects of other activities.

### 11.2.2.1 Policy — Adverse effects of utilities

- a. To ensure that, where reasonably practicable, and having regard to the benefits of [utilities](#) and their locational, technical and operational requirements, new or upgraded [utilities](#):
  - i. are located and designed in a way that minimises adverse effects; and
  - ii. avoid, remedy or mitigate the potential for adverse effects of noise from wind turbines.

### 11.2.2.2 Policy — Adverse effects on utilities

- a. Avoid adverse effects on [utilities](#), including [reverse sensitivity](#) effects, that may compromise their operation, maintenance, upgrade and development.
- b. Avoid adverse effects, including [reverse sensitivity](#) effects, on the [National Grid](#) and the identified [strategic 66kV and 33kV electricity distribution lines and the Heathcote to Lyttelton 11kV electricity distribution line](#), through the management of activities within an identified buffer corridor.

### 11.2.2.3 Policy — Radiofrequency, electric and magnetic fields

- a. Manage the potential adverse effects of radiofrequency, electric and magnetic fields associated with [utilities](#).
- b. Avoid locating [sensitive activities](#) where there could be adverse effects from [utilities](#) that generate radio frequency, electric and magnetic fields.

## 11.3 How to interpret and apply the rules

- a. The rules that apply to all [utilities](#) in the District are contained in the activity status tables (including activity specific standards) in:
  - i. Rule 11.4;
  - ii. Rule 11.5;
  - iii. Rule 11.6;

- iv. Rule 11.7; and
- v. Rule 11.8.

Note: The activity standards in Rule 11.9 also apply to all activities listed in Rules 11.4–11.8.

- b. The rules in the zone chapters (13 – 21) do not apply to [utilities](#), unless specified or referenced in this chapter.
- c. The activity status tables and standards in the following chapters also apply to all [utilities](#) in the District:
  - 5 Natural Hazards;
  - 6 General Rules and Procedures (except for Sub-chapter 6.6 Water Body Setbacks);
  - 7 Transport (except for the Transport Zone rules);
  - 8 Subdivision, Development and Earthworks;
  - 12 Hazardous Substances and Contaminated Land.
- d. Chapter 5 (Natural Hazards) includes specific rules in relation to [utilities](#) in areas subject to hazards.
- e. Chapter 9 (Natural and Cultural Heritage) rules do not apply to [utilities](#), unless otherwise specified (including the following):
  - i. The rules in Sub-chapter 9.1 do apply to [utilities](#), except that:
    - A. Rule 9.1.4.3 RD3 does not apply to [indigenous vegetation clearance](#) for the purposes of minor upgrades to [utilities](#) provided for by Rule 11.4.1 P9 - P15; and
    - B. Rule 9.1.3 h. includes some exemptions for maintenance of existing access tracks for [utilities](#), protection of, and access to, existing electricity infrastructure, and the replacement, repair, maintenance and minor upgrading of existing [utilities](#), involving [indigenous vegetation clearance](#).
  - ii. Rule 9.4.4 applies to the pruning, felling, maintenance or remedial work/treatment to significant trees listed in Appendix 9.4.7.1 and trees in the public realm undertaken by the [Council](#) or [network utility operators](#).
  - iii. The following matters of discretion apply:
    - A. Rule 9.1.5.2;
    - B. Rules 9.2.8.1, 9.2.8.2 and 9.2.8.3;
    - C. Rule 9.3.6.1;
    - D. Rule 9.4.6;
    - E. Rule 9.5.5, as relevant to the site classification;
    - F. Rule 9.6.3.1.
- f. The rules in Chapter 11 that relate to [heritage items](#) or [heritage settings](#) shall not apply to works undertaken to electrical equipment located within [heritage items](#) listed in the Schedule of

Significant Historic Heritage (in Appendix 9.3.7.2) as [heritage item](#) numbers 201, 207, 489, 544, 600 and 624, where such works are associated with the replacement, repair, maintenance and minor upgrading of the [electricity distribution](#) network.

The rules in Chapter 11 that relate to [heritage items](#) shall not apply to the Hagley Park [heritage item](#) (number 1395), other than to [heritage items](#) and [heritage settings](#) individually items listed in the Schedule of Significant [Historic Heritage](#) in Appendix 9.3.7.2.

- g. All [telecommunication facilities](#) operated by a [network utility operator](#) are controlled by the Resource Management (National Environmental Standards for [Telecommunication Facilities](#)) Regulations 2008 (NESTF) in respect of the generation of radiofrequency fields. In the [road reserve](#) equipment [cabinets](#), noise from these [cabinets](#), and [masts](#) / [antennas](#) on existing structures are also controlled by the NESTF. Other [telecommunication facilities](#) or activities will be managed by the [District Plan](#).
- h. The NESTF manages instances where:
- i. An original [utility structure](#) is replaced with a replacement [utility structure](#);
  - ii. The addition of an [antenna](#) makes a structure into a replacement [utility structure](#);
  - iii. If an [antenna](#) on a replacement [utility structure](#) is replaced; or
  - iv. A dish [antenna](#) is added to or replaced on an original [utility structure](#) or replacement [utility structure](#).
- i. Under the NESTF, other [telecommunication facilities](#) or activities are managed by the [District Plan](#):
- i. Within the [dripline](#) of a tree or other vegetation where the trees or other vegetation are managed by the [District Plan](#).
  - ii. On the same side of the [road](#) as items or land identified as having [historic heritage](#) values, where the land or items are identified by the [District Plan](#).
  - iii. On the same side of the [road](#) as land or [sites](#) that are identified as having visual [amenity values](#) by the [District Plan](#).
- j. The Resource Management (National Environmental Standards for Electricity Transmission Activities) Regulations 2009 (NESETA) contain a separate code of rules for the operation, maintenance, upgrading, relocation or removal of an existing [transmission line](#), which is part of the [National Grid](#), as defined in the regulations. Except as provided for by the regulation, no rules in this [District Plan](#) apply to such activities. Where an activity does not relate to an existing [transmission line](#) that is part of the [National Grid](#), or where new [transmission lines](#) and associated structures are proposed, the [District Plan](#) provisions apply.
- k. Except for a resource consent application within a [Site of Ngāi Tahu Cultural Significance](#) identified in Schedule 9.5.6.1, any application for resource consent for a controlled or restricted discretionary activity arising from the rules in this chapter shall not be publicly or limited notified. For any other application for resource consent, the [Council](#) may publicly or limited notify the application.
- l. Any resource consent application within a [Site of Ngāi Tahu Cultural Significance](#) identified in Schedule 9.5.6.1 need not be publicly notified, but shall be limited notified to the relevant rūnanga (absent their written approval).

- m. Unless otherwise stated, a permitted activity includes operation of that activity.

## 11.4 Rules — Utilities and energy — General

### 11.4.1 Permitted activities — General

The activities listed below are permitted activities if they meet the activity specific standards set out in this table and the activity standards in Rule 11.9.

Activities may also be restricted discretionary, discretionary or non-complying as specified in Rules 11.4.2 to 11.4.4 and 11.5 to 11.8.

	Activity	Activity specific standards
P1	Construction or extension of any access tracks to <a href="#">utilities</a> (except as provided for in Rule 11.4.2 RD6).	<p>a. Access tracks shall not be located within or on:</p> <ul style="list-style-type: none"> <li>i. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1;</li> <li>ii. a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2; or</li> <li>iii. a <a href="#">Site of Ngāi Tahu Cultural Significance</a> identified in Schedule 9.5.6.1.</li> </ul>
P2	Weather stations and <a href="#">navigation aids</a> .	<p>b. New weather stations and <a href="#">navigation aids</a> greater than 1 metre in <a href="#">height</a> or 6 m<sup>2</sup> in area shall not be located within or on:</p> <ul style="list-style-type: none"> <li>i. a Character Area Overlay;</li> <li>ii. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1; or</li> <li>iii. a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2.</li> </ul>
P3	Maintenance of a <a href="#">utility</a> and the establishment of associated temporary structures, including vegetation trimming or removal.	Nil
P4	<a href="#">Utility cabinets</a> as part of any <a href="#">utility</a> , excluding any <a href="#">utility cabinet</a> for <a href="#">electricity transmission</a> or distribution provided for under Rule 11.5.1 P2.	<ul style="list-style-type: none"> <li>a. The <a href="#">utility cabinet</a> is located underground; or</li> <li>b. For above ground <a href="#">telecommunication cabinets</a>, or those regulated by the NESTF, the maximum floor area shall be 2 m<sup>2</sup> and the maximum <a href="#">height</a> shall be 2 metres (measured from <a href="#">ground level</a> or the top of a concrete plinth if there is one); <del>and</del></li> <li>c. For above ground <a href="#">utility cabinets</a> other than in standard (b) above, the maximum floor area shall be 10 m<sup>2</sup> and the maximum <a href="#">height</a> shall be 2.5 metres (measured from <a href="#">ground level</a> or the top of a concrete plinth if there is one); and</li> </ul>

	Activity	Activity specific standards
		d. For above ground <a href="#">utility cabinets</a> in the Avon River Precinct/Te Papa Ōtākaro Zone the maximum floor area shall be 5m <sup>2</sup> and the maximum <a href="#">height</a> shall be 3 metres (measured from <a href="#">ground level</a> or the top of a concrete plinth if there is one).
P5	<a href="#">Utility buildings</a> , excluding any <a href="#">utility buildings</a> for <a href="#">electricity transmission</a> or distribution provided for under Rule 11.5.1 P2.	a. Built form standards for the relevant zone.
P6	Installation of network <a href="#">utilities</a> and <a href="#">ancillary equipment</a> underground.	Nil
P7	New lines and associated <a href="#">utility structures</a> to provide electricity supplies to electric tramway trolley bus or rail systems.	Nil
P8	<a href="#">Utility structures</a> for street lighting.	Nil
P9	Re-location of <a href="#">utilities</a> .	a. The re-location must not be more than 2 metres measured horizontally, except that it may be more than 2 metres but not exceed 5 metres horizontally where it is associated with <a href="#">road</a> widening or it is for safety reasons.
P10	Replacement of an existing <a href="#">utility structure</a> or <a href="#">mast</a> .	<p>a. The diameter or width of the replacement <a href="#">utility structure</a> or <a href="#">mast</a> at its widest point must not exceed twice that of the replaced <a href="#">utility structure</a> or <a href="#">mast</a> at its widest point.</p> <p>b. The <a href="#">height</a> of the replacement <a href="#">utility structure</a> or <a href="#">mast</a> must not exceed whichever of the following is the greater <a href="#">height</a>:</p> <ol style="list-style-type: none"> <li>i. the <a href="#">height</a> of the replaced <a href="#">utility structure</a> or <a href="#">mast</a>; or</li> <li>ii. the applicable maximum <a href="#">height</a> for a <a href="#">building</a> in the relevant zone.</li> </ol> <p>c. The replaced <a href="#">utility structure</a> or <a href="#">mast</a> must be removed once the replacement structure or <a href="#">mast</a> is in place.</p>
P11	Addition to an existing <a href="#">utility structure</a> or <a href="#">mast</a> .	<p>a. The combined diameter or width of the existing <a href="#">utility structure</a> or <a href="#">mast</a> plus the addition (at its widest point) must not exceed twice that of the pre-existing <a href="#">utility structure</a> (at its widest point).</p> <p>b. The combined <a href="#">height</a> of the existing <a href="#">utility structure</a> or <a href="#">mast</a> plus the addition must not exceed whichever of the following is the greater:</p> <ol style="list-style-type: none"> <li>i. the pre-existing <a href="#">height</a> of the existing <a href="#">utility structure</a> or <a href="#">mast</a>; or</li> </ol>



	Activity	Activity specific standards
		<ul style="list-style-type: none"> <li>ii. the applicable maximum <a href="#">height</a> for a <a href="#">building</a> in the relevant zone.</li> </ul>
P12	Replacement of an existing transmission or distribution tower.	<ul style="list-style-type: none"> <li>a. The replacement tower must not exceed the <a href="#">height</a> of the replaced tower by more than 15%.</li> <li>b. Each side of the replacement tower's footprint must not be longer than the length of any side of the replaced tower's footprint plus 25% of the width of the replaced tower's footprint.</li> <li>c. The replaced tower must be removed once the replacement tower is in place.</li> </ul>
P13	<p>An increase in the carrying or operating capacity, efficiency or security of <a href="#">electricity transmission</a> or distribution lines, or <a href="#">telecommunication</a> lines, by the following activities:</p> <ul style="list-style-type: none"> <li>a. the addition of wires, cables, circuits and/or conductors;</li> <li>b. the re-conductoring of the line with higher capacity conductors;</li> <li>c. the re-sagging of conductors;</li> <li>d. the addition of longer or more efficient insulators;</li> <li>e. the addition of earth wires (which may contain <a href="#">telecommunication</a> lines, earthpeaks and lightning rods);</li> <li>f. the replacement of above-ground ducts, cables and pipes up to a 50% increase in diameter; and</li> <li>g. the replacement of the <a href="#">utility</a>.</li> </ul>	<ul style="list-style-type: none"> <li>a. If the <a href="#">utility</a> is replaced, the replacement <a href="#">utility</a> must be of a similar scale and character to the structure that is replaced.</li> </ul>
P14	An increase in the carrying or operating capacity, efficiency or security of fuel and gas transmission or distribution lines, including the installation of isolation <del>values</del> <a href="#">valves</a> or other <a href="#">ancillary equipment</a> , and the associated replacement of the <a href="#">utility</a> .	<ul style="list-style-type: none"> <li>a. If the <a href="#">utility</a> is replaced, the replacement <a href="#">utility</a> must be of a similar scale and character to the structure that is replaced.</li> </ul>
P15	The installation of new mid-span electricity poles to address clearances required by New Zealand Electrical Code of Practice 34:2001.	Nil.
P16	Customer connections from and to <a href="#">buildings</a> , facilities, structures and <a href="#">sites</a> used for or serviced by <a href="#">utilities</a> .	Nil.
P17	The attachment to existing bridges (except any bridge that is a structure identified in Appendix 9.3.7.2) of a pipe or cable for the conveyance of water, wastewater, stormwater, electricity, gas or fuel, or for <a href="#">telecommunication</a> .	<ul style="list-style-type: none"> <li>a. Where the bridge is on publicly owned land and standard (b) does not apply, the pipe or cable: <ul style="list-style-type: none"> <li>i. must be attached to the underside of the bridge or incorporated within the bridge</li> </ul> </li> </ul>

	Activity	Activity specific standards
		<p>structure or within an existing attached cable/pipe structure; or</p> <p>ii. must not exceed 100 mm in diameter.</p> <p>b. Where the bridge is on publicly owned land located within or on Significant Features 3.0, 4.0, 7.0, 8.1-8.3 and 9.1-9.2 (as identified in Appendix 9.2.9.2.3); Travis Wetland/Oruapaeroa (ONF34.0 as identified in Appendix 9.2.9.2.1); and/or across a waterway in a Character Area Overlay, the pipe or cable:</p> <p>i. must be attached to the underside of the bridge or incorporated within the bridge structure or within an existing attached cable/pipe structure; or</p> <p>ii. must not exceed 63 mm in diameter, be in a cluster of no more than two pipes, and be either the same colour as the bridge at the point of attachment or be of a matt finish colour with less than 20% reflectivity.</p>
<b>P18</b>	<a href="#">Utility</a> equipment within existing <a href="#">buildings</a> .	Nil.
<b>P19</b>	Temporary <a href="#">utilities</a> operating for less than 12 months, excluding <a href="#">emergency</a> or back-up electricity generation permitted in Rule 11.6.1 P4.	<p>a. Built form standards for the relevant zone.</p> <p>b. The noise standards in Rule 6.1.5 for the relevant zone.</p>

## 11.4.2 Restricted discretionary activities — General

The activities listed below are restricted discretionary activities, provided they meet the activity standards in Rule 11.9

Decision to grant or decline consent and impose conditions is restricted to the matters of discretion set out in Rule 11.10, as set out in the following table.

	Activity	The <b>Council's</b> discretion shall be limited to the following matters:
<b>RD1</b>	Any activity listed in Rule 11.4.1 P2 that does not meet one or more of the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</p>
<b>RD2</b>	Any activity listed in Rule 11.4.1 P4 that does not meet one or more of the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p> <p>d. Health and safety – Rule 11.10.4</p>

	Activity	The <b>Council's</b> discretion shall be limited to the following matters:
<b>RD3</b>	Any activity listed in Rule 11.4.1 P5 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> </ul>
<b>RD4</b>	Any activity listed in Rule 11.4.1 P17 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2(d) and (e)</li> <li>c. Operational considerations - 11.10.3</li> <li>d. Electricity generation – 11.10.5(d), (e) and (h)</li> <li>e. Water, wastewater and stormwater – 11.10.6</li> </ul>
<b>RD5</b>	Any activity listed in Rule 11.4.1 P1 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</li> </ul>
<b>RD6</b>	<ul style="list-style-type: none"> <li>a. Construction of any access tracks associated with new, or major upgrades to (except minor upgrades under Rule 11.4.1 P9 - P15), <a href="#">utilities</a> that are greater than 3 metres in formed width within: <ul style="list-style-type: none"> <li>i. Areas of Outstanding Natural Character identified in Appendix 9.2.9.2.7;</li> <li>ii. Travis Wetland/Oruapaeroa (ONF34.0);</li> <li>iii. Riccarton Bush/Putarikamotu (ONF35.0);</li> <li>iv. Otutaikino Creek (SF2.0);</li> <li>v. Styx River/Puharakekenui (SF3.0);</li> <li>vi. Styx Mill Reserve (SF4.0);</li> <li>vii. West Melton Dry Plains/Okakea (SF5.0);</li> <li>viii. Christchurch Coast/Te Tai o Mahaanui (SF6.0);</li> <li>ix. Waikakariki/Horseshoe Lake (SF7.0);</li> <li>x. Otakaro/Avon River (SF8.1 and SF8.3); or</li> <li>xi. Heathcote River/Opawaho</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</li> </ul>

	Activity	The <b>Council</b> 's discretion shall be limited to the following matters:
	<p>(SF10).</p> <p>b. Construction of any access tracks associated with new, or major upgrades to (except minor upgrades under Rule 11.4.1 P9 - P15), <a href="#">utilities</a> that are greater 5 metres in formed width within:</p> <p>i. all Outstanding Natural Features and Outstanding Natural Landscapes identified in Appendices 9.2.9.2.1 and 9.2.9.2.2;</p> <p>ii. all Significant Features and Rural Amenity Landscapes identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</p> <p>iii. Areas of High and Very High Natural Character identified in Appendix 9.2.9.2.8; or</p> <p>iv. Other Areas of Natural Character in the Coastal Environment identified in Appendix 9.2.9.2.9.</p>	

### 11.4.3 Discretionary activities — General

The activities listed below are discretionary activities, provided they meet the activity standards in Rule 11.9.

Activity	
<b>D1</b>	Any activity not provided for as a permitted, restricted discretionary, discretionary or non-complying activity in Rules 11.4.1, 11.4.2 or 11.4.3 or in Rules 11.5 to 11.8.

### 11.4.4 Non-complying activities — General

The activities listed below are non-complying activities.

Activity	
<b>NC1</b>	Any activity that does not meet one or more of the activity standards for <a href="#">utilities</a> in Rule 11.9.

## 11.5 Rules — Electricity transmission and distribution

### 11.5.1 Permitted activities — Electricity transmission and distribution

The activities listed below are permitted activities if they meet the activity specific standards set out in this table and the activity standards in Rule 11.9.

Activities may also be restricted discretionary, discretionary or non-complying as specified in Rules 11.4, 11.5.2, and 11.6 – 11.8.

	Activity	Activity specific standards
P1	New <a href="#">electricity transmission</a> and <a href="#">electricity distribution lines</a> and associated structures or equipment.	<p>a. New above ground <a href="#">utilities</a> shall not be located within or on:</p> <ol style="list-style-type: none"> <li>i. a Character Area Overlay</li> <li>ii. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>iii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iv. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4 (except for new <a href="#">electricity distribution lines</a> and associated structures or equipment in Rural Amenity Landscapes);</li> <li>v. an Important Ridgeline identified on the planning maps;</li> <li>vi. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8;</li> <li>vii. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1,</li> <li>viii. a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2; or</li> <li>ix. <a href="#">Sites of Ngāi Tahu Cultural Significance</a> identified in Schedule 9.5.6.1.</li> </ol> <p>b. Within a Rural Amenity Landscape identified in Appendix 9.2.9.2.4:</p> <ol style="list-style-type: none"> <li>i. the maximum <a href="#">height</a> of an <a href="#">electricity distribution utility structure</a> shall be 22 metres; and</li> <li>ii. the average <a href="#">height</a> of 10 consecutive <a href="#">electricity distribution utility structures</a> shall be 16 metres.</li> </ol> <p>Where the total number of new <a href="#">electricity distribution utility structures</a> installed is less than 10, the existing <a href="#">electricity distribution utility structures</a> immediately preceding the new structures shall be included in the calculation to determine the average <a href="#">height</a>.</p> <p>Advice Note: Rule 11.5.1 P2 also applies in Rural Amenity Landscapes.</p> <p>c. New <a href="#">utility structures</a> or towers shall not exceed:</p> <ol style="list-style-type: none"> <li>i. 25 metres in <a href="#">height</a> in the Rural, Specific Purpose (Lyttelton</li> </ol>

	Activity	Activity specific standards
		Port), Commercial and Industrial Zones, and any Transport Zone <a href="#">adjoining</a> these zones; or  ii. 15 metres in <a href="#">height</a> in all other zones (including adjacent Transport Zones)
<b>P2</b>	Transformers, substations, switching stations, kiosks, <a href="#">cabinets</a> , and <a href="#">ancillary buildings</a> .	a. The following built form standard for the relevant zone: i. daylight recession planes. b. The total floor area shall not exceed 10m <sup>2</sup> . c. The maximum <a href="#">height</a> shall not exceed 5.5 metres.

## 11.5.2 Restricted discretionary activities — Electricity transmission and distribution

The activities listed below are restricted discretionary activities, provided they meet the activity standards in Rule 11.9.

Decision to grant or decline consent and impose conditions is restricted to the matters of discretion set out in Rule 11.10, as set out in the following table.

	Activity	The <a href="#">Council</a> 's discretion shall be limited to the following matters:
<b>RD1</b>	Any activity listed in Rule 11.5.1 P1 that does not meet one or more of the activity specific standards.	a. Amenity, location and design – Rule 11.10.2 b. Operational considerations – Rule 11.10.3 c. Health and safety – Rule 11.10.4 d. Heritage and natural environment – Rule 11.10.1 e. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification
<b>RD2</b>	Any activity listed in Rule 11.5.1 P2 that does not meet one or more of the activity specific standards.	a. Heritage and natural environment – Rule 11.10.1 b. Amenity, location and design – Rule 11.10.2 c. Operational considerations – Rule 11.10.3

## 11.6 Rules — Energy

### 11.6.1 Permitted activities — Energy

The activities listed below are permitted activities if they meet the activity specific standards set out in this table and the activity standards in Rule 11.9.

Activities may also be restricted discretionary, discretionary or non-complying as specified in Rules 11.4, 11.5, 11.6.2 - 11.6.4, 11.7 and 11.8.

	Activity	Activity specific standards
P1	Installation and operation of equipment for assessing a site for suitability for <a href="#">renewable electricity generation</a> .	<p>a. Equipment shall not be on a <a href="#">site</a> for more than 12 months in any 36 month period.</p> <p>b. The noise standards in Rule 6.1.5 for the relevant zone.</p> <p>c. Equipment shall not be located within:</p> <ul style="list-style-type: none"> <li>i. a Character Area Overlay;</li> <li>ii. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>iii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iv. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</li> <li>v. an Important Ridgeline identified on the planning maps;</li> <li>vi. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8;</li> <li>vii. Sites of Ngai Tahu Cultural Significance identified in Schedule 9.5.6.1;</li> <li>viii. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1; or</li> <li>ix. 20 metres of a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2.</li> </ul>
P2	Installation and operation of a solar cell or array of cells for the generation and use of electricity.	<p>a. The electricity generated must be either:</p> <ul style="list-style-type: none"> <li>i. solely for use on the <a href="#">site</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site</a>; or</li> <li>ii. for use on the <a href="#">site</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site</a> and also for supply to not more than 20 <a href="#">residential units</a> and/or industrial/commercial tenancies – subject to which, any excess may be contributed to the <a href="#">National Grid</a>.</li> </ul> <p>b. The cell or array must be either incorporated into or mounted on the roof of a <a href="#">building</a>.</p>

	Activity	Activity specific standards
		<p>c. If the <a href="#">building</a> breaches the daylight recession plane specified by the built standards for the relevant zone, the cell or array may also breach it provided that no cell protrudes more than 20 mm from the roof.</p> <p>d. If the <a href="#">building</a> does not breach the daylight recession plane, the cell or array must not breach it either.</p> <p>e. There must not be a solar concentrator.</p>
P3	Substations, transformers, or <a href="#">buildings ancillary</a> to electricity generation equipment.	<p>f. The daylight recession planes for the relevant zone.</p> <p>g. The total floor area shall not exceed 10 m<sup>2</sup>. and</p> <p>h. The maximum <a href="#">height</a> shall not exceed 5.5 metres.</p>
P4	<a href="#">Emergency</a> or back-up electricity generation that is not the primary electricity supply to the <a href="#">site</a> .	<p>a. The noise standards in Rule 6.1.6.2.1 for noise from <a href="#">emergency</a> activities.</p>
P5	Installation and operation of a wind turbine for the generation and use of electricity on a <a href="#">site</a> or <a href="#">sites</a> in Rural or Industrial Zones.	<p>a. The electricity generated must be either:</p> <ol style="list-style-type: none"> <li>i. solely for use on the <a href="#">site</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site</a>; or</li> <li>ii. for use on the <a href="#">site</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site</a> and also for supply to not more than 20 <a href="#">residential units</a> (of a Rural or Residential Zone) and/or industrial/commercial tenancies (of an Industrial Zone)</li> </ol> <p>–</p> <p>subject to which, any excess may be contributed to the <a href="#">National Grid</a>.</p> <p>b. If standard (a)(i) applies, no more than one wind turbine is to be erected on each <a href="#">site</a>. If standard (a)(ii) applies, the wind turbines may be clustered on one or more of the <a href="#">sites</a>.</p> <p>c. No above ground part of any wind turbine (including the full extent of blades) shall exceed a total <a href="#">height</a> of 20 metres above the ground.</p> <p>d. The <a href="#">road boundary building setbacks</a> and minimum <a href="#">building setbacks</a> from internal <a href="#">boundaries</a> of the relevant Rural or Industrial Zone apply. Compliance with this standard shall be to any above ground part of each wind turbine and the full extent of blades of each wind turbine.</p> <p>e. The noise standards in Rule 6.1.5 for the relevant Rural or Industrial Zone apply.</p> <p>f. No wind turbine shall be located within or on:</p> <ol style="list-style-type: none"> <li>i. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>ii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iii. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</li> <li>iv. an Important Ridgeline identified on the planning maps;</li> </ol>



	Activity	Activity specific standards
		<ul style="list-style-type: none"> <li>v. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8;</li> <li>vi. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1; or</li> <li>vii. a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2.</li> </ul>
<b>P6</b>	Installation and operation of gas and fuel (including LPG) distribution or transmission pipelines, including necessary incidental equipment.	Nil.
<b>P7</b>	Tanks for the storage of gas, including LPG.	a. Built form standards for the relevant zone.

## 11.6.2 Restricted discretionary activities — Energy

The activities listed below are restricted discretionary activities, provided they meet the activity standards in Rule 11.9.

Decision to grant or decline consent and impose conditions is restricted to the matters of discretion set out in Rule 11.10, as set out in the following table.

	Activity	The <a href="#">Council</a> 's discretion shall be limited to the following matters:
<b>RD1</b>	Any activity listed in Rule 11.6.1 P1 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Amenity, location and design – Rule 11.10.2(a)</li> <li>b. Operational considerations – Rule 11.10.3(a)</li> <li>c. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</li> </ul>
<b>RD2</b>	Any activity listed in Rule 11.6.1 P3 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> <li>e. Electricity generation – Rule 11.10.5</li> </ul>
<b>RD3</b>	Any activity listed in Rule 11.6.1 P4 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> <li>e. Electricity generation – Rule 11.10.5</li> </ul>
<b>RD4</b>	Installation and operation of a wind turbine for the generation and use of electricity on a <a href="#">site</a> or <a href="#">sites</a> other than in Rural or Industrial Zones that meet the	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2(a)</li> <li>c. Operational considerations – Rule 11.10.3(a)</li> </ul>

	Activity	The <b>Council's</b> discretion shall be limited to the following matters:
	<p>standards specified in paragraphs a. to f. of this Rule RD4:</p> <p>a. If the electricity generated is solely for use on the <a href="#">site(s)</a>, not more than one wind turbine is to be erected on each <a href="#">site</a>; and</p> <p>b. No above ground part of the wind turbine (including the full extent of blades) exceeds a total <a href="#">height</a> of 20 metres above ground; and</p> <p>c. Each wind turbine meets the <a href="#">road boundary building setback</a> and minimum <a href="#">building setback</a> from internal <a href="#">boundaries</a> of the relevant zone; and</p> <p>d. The noise standards for the relevant zone are met; and</p> <p>e. No wind turbine is located within a Character Area Overlay; and</p> <p>f. The electricity generated is either:</p> <p>i. solely for use on the <a href="#">site(s)</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site(s)</a>; or</p> <p>ii. for use on the <a href="#">site</a> or <a href="#">sites</a> as <a href="#">ancillary</a> to the principal use of the <a href="#">site(s)</a> and also for supply to not more than 20 <a href="#">residential units</a> and/or industrial/commercial tenancies –</p> <p>subject to which any excess may be contributed to the <a href="#">National Grid</a>.</p>	<p>d. Health and safety – Rule 11.10.4(a)</p> <p>e. Electricity generation – Rule 11.10.5(b) and (k)</p> <p>f. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</p>
<b>RD5</b>	<p>Any activity listed in Rule 11.6.1 P2 that does not meet one or more of the activity specific standards (b)–(e).</p>	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p> <p>d. Health and safety – Rule 11.10.4(a)</p> <p>e. Electricity generation – Rule 11.10.5</p>
<b>RD6</b>	<p>Any activity listed in Rule 11.6.1 P5 that does not meet one or more of the activity specific standards (b) – (e).</p>	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p> <p>d. Health and safety – Rule 11.10.4(a)</p> <p>e. Electricity generation – Rule 11.10.5</p> <p>f. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</p>

	Activity	The <b>Council's</b> discretion shall be limited to the following matters:
<b>RD7</b>	Installation and operation of a <a href="#">utility</a> and associated pipes and structures for the generation of energy using waste products.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> <li>e. Electricity generation – Rule 11.10.5</li> <li>f. Water, wastewater and stormwater – Rule 11.10.6</li> </ul>
<b>RD8</b>	Any activity listed in Rule 11.6.1 P7 that does not meet one or more of the activity specific standards.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> </ul>

### 11.6.3 Discretionary activities — Energy

The activities listed below are discretionary activities, provided they meet the activity standards in Rule 11.9.

Activity	
<b>D1</b>	<p>Any activity listed in Rule 11.6.1 P2 that does not meet activity specific standard (a) where:</p> <ul style="list-style-type: none"> <li>a. The activity occurs in the Rural, Commercial (other than in the <a href="#">Central City</a>) or Industrial Zones and does not occur within the area covered by the Christchurch International Airport Protection Surfaces; and</li> <li>b. Any solar concentrator does not reflect light into a Residential Zone for more than 15 hours per annum.</li> <li>c. The solar cell or concentrator is not located within: <ul style="list-style-type: none"> <li>i. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>ii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iii. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</li> <li>iv. an Important Ridgeline identified on the planning maps;</li> <li>v. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8;</li> <li>vi. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1; or</li> <li>vii. 20 metres of a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2.</li> </ul> </li> </ul>
<b>D2</b>	<p>Any activity listed in Rule 11.6.1 P5 that does not meet activity specific standard (a) where:</p> <ul style="list-style-type: none"> <li>a. The activity occurs in the Rural Port Hills, Rural Templeton, Rural Urban Fringe, Rural Waimakariri, Rural Quarry or Rural Banks Peninsula Zones; and</li> <li>b. Noise levels comply with the limits prescribed in NZS6808:2010 (Acoustics – Wind Farm Noise). Noise levels shall be measured and assessed in accordance with NZS6808:2010.</li> <li>c. The wind turbine is not located within:</li> </ul>

Activity	
	<ul style="list-style-type: none"> <li>i. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>ii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iii. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</li> <li>iv. an Important Ridgeline identified on the planning maps;</li> <li>v. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8;</li> <li>vi. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1; or</li> <li>vii. 20 metres of a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2.</li> </ul>
<b>D3</b>	<p>Non-renewable electricity generation:</p> <ul style="list-style-type: none"> <li>a. In Industrial Zones; and</li> <li>b. Where the <a href="#">utility</a> complies with the rules in Chapter 16 (Industrial) and noise rules in Chapter 6 (General Rules).</li> </ul>

## 11.6.4 Non-complying activities — Energy

The activities listed below are non-complying activities.

Activity	
<b>NC1</b>	Any activity listed in Rule 11.6.1 P2 that does not meet activity specific standard (a) and is not provided for in Rule 11.6.3 D1.
<b>NC2</b>	Any activity listed in Rule 11.6.1 P5 that does not meet activity specific standard (a) and is not provided for in Rule 11.6.3 D2.
<b>NC3</b>	Non-renewable electricity generation activities not provided for in Rule 11.6.3 D3.

## 11.7 Rules — Communication facilities

### 11.7.1 Permitted activities — Communication facilities

The activities listed below are permitted activities if they meet the activity specific standards set out in this table and the activity standards in Rule 11.9.

Activities may also be restricted discretionary, discretionary or non-complying as specified in Rules 11.4 - 11.6, 11.7.2 and 11.8.

	Activity	Activity specific standards
P1	Freestanding communication <a href="#">utilities</a> .	<p>a. Freestanding communication <a href="#">utilities</a> (other than where located in a Transport Zone) shall not be located within or on:</p> <ul style="list-style-type: none"> <li>i. a Character Area Overlay</li> <li>ii. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;</li> <li>iii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;</li> <li>iv. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;</li> <li>v. an Important Ridgeline identified on the planning maps;</li> <li>vi. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8; or</li> <li>vii. a <a href="#">heritage item</a> or <a href="#">heritage setting</a> listed in Appendix 9.3.7.2;</li> </ul> <p>and</p> <p>Freestanding communication <a href="#">utilities</a> shall not be located within:</p> <ul style="list-style-type: none"> <li>viii. the <a href="#">dripline</a> of a significant tree listed in Appendix 9.4.7.1.</li> </ul> <p>b. Any <a href="#">utility structure</a> shall not exceed:</p> <ul style="list-style-type: none"> <li>i. 25 metres in <a href="#">height</a> (excluding lightning rods) and any head frame shall be no greater than 6 metres in diameter at its widest point in the Transport, Specific Purpose (Port), Industrial, Commercial or Rural Urban Fringe Zones; or</li> <li>ii. 35 metres in <a href="#">height</a> (excluding lightning rods) and any head frame shall be no greater than 6 metres in diameter at its widest point in the Rural Waimakariri Zone; or</li> <li>iii. 30 metres in <a href="#">height</a> (excluding lightning rods) and any head frame shall be no greater than 6 metres in diameter at its widest point in the Transport, Industrial, Commercial, or Rural Urban Fringe Zones, where two or more <a href="#">network utility operators</a> utilise the same <a href="#">utility structure</a>; or</li> <li>iv. 40 metres in <a href="#">height</a> (excluding lightning rods) and any head</li> </ul>

	Activity	Activity specific standards
		<p>frame shall be no greater than 6 metres in diameter at its widest point in the Rural Waimakariri Zone where two or more <a href="#">network utility operators</a> utilise the same <a href="#">utility structure</a>; or</p> <p>v. 20 metres in <a href="#">height</a> (excluding lightning rods) and 1 metre in diameter above a <a href="#">height</a> of 6 metres, except for any head frame which shall be no greater than 6 metres in diameter at its widest point in any other zone.</p> <p>c. Any dish <a href="#">antenna</a> shall be less than 1.8 metres in diameter in Industrial, Commercial or Rural Zones, and less than 0.8 metres in any other zone.</p> <p>d. Any other <a href="#">antenna</a> shall not exceed a surface area of 1.5 m<sup>2</sup>.</p>
P2	Communication <a href="#">utilities</a> attached to a <a href="#">building</a> , including <a href="#">ancillary equipment</a> .	<p>a. Any dish <a href="#">antenna</a> shall be less than 1.8 metres in diameter in the Industrial, Commercial or Rural Zones, and less than 0.8 metres in diameter in any other zone.</p> <p>a. Any other <a href="#">antenna</a> shall not exceed a surface area of 1.5 m<sup>2</sup>.</p> <p>b. Any <a href="#">antenna</a> shall not exceed a <a href="#">height</a> of 3 metres from the point of attachment or the <a href="#">height</a> limit for the relevant zone, whichever is the greater.</p>
P3	<a href="#">Amateur radio configurations</a> .	<p>a. The top of any <a href="#">utility structure</a> is less than 20 metres above <a href="#">ground level</a>.</p> <p>b. Any <a href="#">antenna</a> other than a simple wire dipole shall meet the following criteria:</p> <p>i. Any of the elements making up the <a href="#">antenna</a> shall not exceed 0.08m in diameter and 14.9m in length;</p> <p>ii. For horizontal HF yagi or loop <a href="#">antenna</a> the boom length shall not exceed 13m;</p> <p>iii. No part of the <a href="#">antenna</a>, <a href="#">utility structure</a> or guy wires shall overhang the property <a href="#">boundary</a>; and</p> <p>iv. Simple wire dipoles shall not overhang property <a href="#">boundaries</a>.</p> <p>c. Any dish <a href="#">antenna</a> shall:</p> <p>i. Be less than 5 metres in diameter/width;</p> <p>ii. Be pivoted less than 4 metres above the ground; and</p> <p>iii. If located in any Residential Zone, meet the minimum <a href="#">setback</a> and daylight recession plane standards in Chapter 14.</p>
P4	<a href="#">Communication kiosks</a> .	<p>a. The maximum <a href="#">height</a> of a <a href="#">communication kiosk</a> shall be 2.5 metres (excluding any small cell or <a href="#">antenna</a> permitted in clause (b) below), and the maximum volume shall be 2.4 m<sup>3</sup>.</p> <p>b. Any attached small cell or <a href="#">antennas</a> shall be less than 1 metre in <a href="#">height</a> and shall not have a horizontal dimension greater than the horizontal dimensions of the <a href="#">communication kiosk</a>.</p>

	Activity	Activity specific standards
P5	Installation of above ground lines and <a href="#">utility structures</a> for communication <a href="#">utilities</a> .	<p>a. New <a href="#">utilities</a> shall not be located within a Character Area Overlay.</p> <p>b. The <a href="#">utility structures</a> shall not exceed a <a href="#">height</a> of:</p> <p>i. 25 metres in the Rural, Specific Purpose (Lyttelton Port), Commercial, Industrial and any Transport Zones <a href="#">adjoining</a> these zones; or</p> <p>ii. 15 metres in all other zones (including adjacent Transport Zones).</p>

## 11.7.2 Restricted discretionary activities — Communication facilities

The activities listed below are restricted discretionary activities, provided they meet the activity standards in Rule 11.9.

Decision to grant or decline consent and impose conditions is restricted to the matters of discretion set out in Rule 11.10, as set out in the following table.

	Activity	The <a href="#">Council's</a> discretion shall be limited to the following matters:
RD1	Any activity listed in Rule 11.7.1 P1 that does not meet one or more of the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p>
RD2	Any activity listed in Rule 11.7.1 P2 that does not meet one or more of the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p>
RD3	Any activity listed in Rule 11.7.1 P3 that does not meet one or more of the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p>
RD4	Any activity listed in Rule 11.7.1 P4 that does not meet the activity specific standard.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p>
RD5	Any activity listed in Rule 11.7.1 P5 that does not meet one or more the activity specific standards.	<p>a. Heritage and natural environment – Rule 11.10.1</p> <p>b. Amenity, location and design – Rule 11.10.2</p> <p>c. Operational considerations – Rule 11.10.3</p>

## 11.8 Rules — Water, wastewater and stormwater

### 11.8.1 Permitted activities — Water, wastewater and stormwater

The activities listed below are permitted activities if they meet the activity specific standards set out in this table and the activity standards in Rule 11.9.

Activities may also be restricted discretionary, discretionary or non-complying as specified in Rules 11.4 – 11.7, and 11.8.2.

	Activity	Activity specific standards
<b>P1</b>	Water, wastewater and stormwater connections to public networks.	<p>Nil.</p> <p>Advice Notes:</p> <ol style="list-style-type: none"> <li>1. Refer to the Infrastructure Design Standard and/or Construction Specification Standard as published by the <a href="#">Council</a>.</li> <li>2. Connections to the <a href="#">Council</a>'s reticulated water supply are applied for through the "WS1 Water Connection Application form".</li> <li>3. Connections to the <a href="#">Council</a>'s reticulated stormwater and wastewater systems are through the building consent process. Connections are to be installed by a <a href="#">Council</a> Authorised Drain Layer.</li> </ol>
<b>P2</b>	Construction or operation of structures for the conveyance, treatment, storage or retention / detention of water, wastewater and stormwater by the <a href="#">Council</a> or a <a href="#">network utility operator</a> .	<p>a. Built form standards for the relevant zone.</p> <p>Advice Notes:</p> <ol style="list-style-type: none"> <li>1. Refer to the Infrastructure Design Standard and/or Construction Specification Standard as published by the <a href="#">Council</a>.</li> <li>2. Refer also to relevant Stormwater Management Plans and Integrated Catchment Management Plans.</li> </ol>
<b>P3</b>	Structures and equipment <a href="#">ancillary</a> to the maintenance and operation of water, wastewater and stormwater facilities.	<p>Nil.</p> <p>Advice Notes:</p> <ol style="list-style-type: none"> <li>1. Refer to the Infrastructure Design Standard and/or Construction Specification Standard as published by the <a href="#">Council</a>.</li> <li>2. Refer also to the Canterbury Regional Council's Erosion and Sediment Control Guide.</li> <li>3. Works should be undertaken in accordance with the best practicable option to minimise discharge. For guidance refer to the sediment control guidelines prepared by the Canterbury Regional Council. Works may also require consent from Canterbury Regional Council.</li> </ol>
<b>P4</b>	Rainwater collection systems.	<p>a. Water tanks shall meet zone provisions for <a href="#">height</a> and <a href="#">road boundary building setbacks</a> and minimum <a href="#">building setbacks</a> from internal <a href="#">boundaries</a>.</p> <p>Advice note:</p>



	Activity	Activity specific standards
		1. The installation of rainwater tanks may require building consent.
P5	Solar hot water systems.	Nil. Advice note: 1. The installation of solar hot water systems may require building consent.

## 11.8.2 Restricted discretionary activities — water, wastewater and stormwater

The activities listed below are restricted discretionary activities, provide they meet the activity standards in Rule 11.9.

Decision to grant or decline consent and impose conditions is restricted to the matters of discretion set out in Rule 11.10, as set out in the following table.

	Activity	The <b>Council's</b> discretion shall be limited to the following matters:
<b>RD1</b>	Any activity listed in Rule 11.8.1 P2 that does not meet the activity specific standard.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – 11.10.3</li> <li>d. Health and safety – 11.10.4(a)</li> <li>e. Water, wastewater and stormwater – Rule 11.10.6</li> <li>f. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</li> </ul>
<b>RD2</b>	Any activity listed in Rule 11.8.1 P4 that does not meet the activity specific Standard.	<ul style="list-style-type: none"> <li>a. Heritage and natural environment – Rule 11.10.1</li> <li>b. Amenity, location and design – Rule 11.10.2</li> <li>c. Operational considerations – Rule 11.10.3</li> <li>d. Health and safety – Rule 11.10.4(a)</li> <li>e. Water, wastewater and stormwater – Rule 11.10.6(a)</li> <li>f. Within <a href="#">Sites of Ngāi Tahu Cultural Significance</a> - Rule 9.5.5, as relevant to the site classification</li> </ul>
<b>RD3</b>	Use of greywater collection systems (excluding those permitted by Rule 11.8.1 P2).	<ul style="list-style-type: none"> <li>a. Water, wastewater and stormwater – Rule 11.10.6(a), (b) and (k)</li> </ul> <p>Advice Notes:</p> <ul style="list-style-type: none"> <li>1. The installation of greywater systems may require building consent.</li> <li>2. The use of greywater may require resource consent from the Canterbury Regional Council.</li> </ul>

## 11.9 Rules — Activity standards — All activities

The following activity standards shall be met by all activities in Rules 11.4 – 11.8.

	Applicable to	Activity Standard
a.	Any <a href="#">utilities</a> that emit radiofrequency fields, which are not regulated by an amateur radio licence.	<p>a. The <a href="#">utility</a> operator must plan and operate the <a href="#">utility</a> in accordance with NZS2772: Part 1:1999 Radiofrequency Fields Part 1 – Maximum Exposure Levels – 3 kHz to 300 GHz.</p> <p>b. The <a href="#">utility</a> operator must ensure that the <a href="#">Council</a> receives, before the <a href="#">utility</a> becomes operational, the following:</p> <ul style="list-style-type: none"> <li>i. written or electronic notice of where the <a href="#">utility</a> is or where it is proposed to be; and</li> <li>ii. a report that— <ul style="list-style-type: none"> <li>1. is prepared in accordance with AS/NZS 2772.2:2011: Radiofrequency Fields Part 2: Principles and methods of measurement and computation – 3 kHz to 300 GHz and</li> <li>2. takes account of exposures arising from other <a href="#">utilities</a> in the vicinity of the <a href="#">utility</a>; and</li> <li>3. predicts whether the radiofrequency field levels at places in the vicinity of the <a href="#">utility</a> that are reasonably <a href="#">accessible</a> to the general public will comply with NZS 2772: Part 1:1999 Radiofrequency Fields Part 1 – Maximum Exposure Levels – 3 kHz to 300 GHz.</li> </ul> </li> </ul> <p>c. If the prediction referred to in standard (b) is that the radiofrequency field levels will reach or exceed 25% of the maximum level authorised by NZS 2772: Part 1:1999 Radiofrequency Fields Part 1 – Maximum Exposure Levels – 3 kHz to 300 GHz for exposure of the general public, the <a href="#">utility</a> operator must ensure that the <a href="#">Council</a> receives, within 3 months of the <a href="#">utility</a> becoming operational, a report that—</p> <ul style="list-style-type: none"> <li>i. is prepared in accordance with AS/NZS 2772.2:2011: Radiofrequency Fields Part 2: Principles and methods of measurement and computation – 3 kHz to 300 GHz; and</li> <li>ii. provides evidence that the actual radiofrequency field levels at places in the vicinity of the <a href="#">utility</a> that are reasonably <a href="#">accessible</a> to the general public comply with NZS 2772: Part 1:1999 Radiofrequency Fields Part 1 – Maximum Exposure Levels – 3 kHz to 300 GHz.</li> </ul> <p>Advice Note:</p>

	<b>Applicable to</b>	<b>Activity Standard</b>
		<p>1. The exposure assessment in standard (b) is not required to include an evaluation of the uncertainty in that assessment.</p>
b.	<p>The operation of any <a href="#">utility</a> that emits power frequency electric and magnetic fields.</p>	<p>a. Exposures to power frequency electric and magnetic fields in areas normally <a href="#">accessible</a> to the public shall not exceed 5 kilovolts per metre and 200 microtesla as measured and assessed in accordance with the International Commission on Non-Ionising Radiation Protection Guidelines for Limiting Exposures to Time Varying Electric and Magnetic Fields (1Hz – 100kHz).</p> <p>Advice Note:</p> <p>1. The Ministry of Health 2013 guidelines “Electric and Magnetic Fields and Your Health: Information on electric and magnetic fields association with <a href="#">transmission lines</a>, distribution lines and electrical equipment – 2013 edition”, in addition to compliance with the exposure limits in standard (a), recommend:</p> <ul style="list-style-type: none"> <li>- the implementation of very low cost measures to reduce exposures when constructing new electrical infrastructure, and;</li> <li>- when contemplating changes to existing sources, consideration of field reduction alongside safety, reliability and economic aspects.</li> </ul>
c.	<p>Any <a href="#">utilities</a> within 12 metres of the centre line of a 110kV or a 220 kV <a href="#">National Grid transmission line</a>, or within 10 metres of the centre line of a 66 kV <a href="#">National Grid transmission line</a>.</p>	<p>a. The <a href="#">utility</a> shall comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZCEP 34:2001).</p> <p>b. The <a href="#">utility</a> shall not be for the reticulation or storage of water for irrigation purposes.</p>
d.	<p>Any <a href="#">utilities</a> within 10 metres of the centre line of a 66kV <a href="#">electricity distribution line</a> or within 5 metres of the centre line of a 33kV or the 11kV Heathcote to Lyttelton distribution line.</p>	<p>a. The <a href="#">utility</a> shall comply with the New Zealand Electrical Code of Practice for Electrical Safe Distances (NZCEP 34:2001).</p>

## 11.10 Rules — Matters of discretion

When considering applications for restricted discretionary activities, the [Council](#)'s discretion to grant or decline consent, or impose conditions, is restricted to the matters over which discretion is restricted in the relevant rule and as described below.

### 11.10.1 Heritage and natural environment

- a. Any cumulative visual effects arising from the [utility](#), particularly in relation to [telecommunication facilities](#) and energy generation facilities.
- b. If any activity is proposed within a Character Area Overlay, any relevant assessment matters in Chapter 14.
- c. In relation to [utilities](#) or access tracks within a Site of Ecological Significance listed in Schedule A of Appendix 9.1.6.1, the matters of discretion in Rule 9.1.5.2.
- d. In relation to [utilities](#) or access tracks within:
  - i. an Outstanding Natural Landscape identified in Appendix 9.2.9.2.2;
  - ii. an Outstanding Natural Feature identified in Appendix 9.2.9.2.1;
  - iii. a Significant Feature or Rural Amenity Landscape identified in Appendices 9.2.9.2.3 and 9.2.9.2.4;
  - iv. an Important Ridgeline identified on the planning maps; or
  - v. an Area of Outstanding, or High and Very High, Natural Character in the Coastal Environment identified in Appendices 9.2.9.2.7 and 9.2.9.2.8,
 the matters of discretion in Rules 9.2.8.1, 9.2.8.2 and 9.2.8.3.
- e. In relation to [utilities](#) within, or on, a [heritage item](#) or [heritage setting](#) listed in Appendix 9.3.7.2, the matters of discretion in Rule 9.3.6.
- f. In relation to [utilities](#) within the [dripline](#) of a significant tree listed in Appendix 9.4.7.1, the matters of discretion in Rule 9.4.6.
- g. In relation to [utilities](#) within a Site of Ngai Tahu Cultural Significance identified in Appendix 9.5.6, the matters set out in Rule 9.5.5 as relevant to the site classification:
  - i. Rule 9.5.5.1 - Wāhi Tapu / Wāhi Taonga, Mahaanui Iwi Management Plan Silent Files and Kaitorete Spit;
  - ii. Rule 9.5.5.2 - Ngā Tūranga Tūpuna; and
  - iii. Rule 9.5.5.3 - Ngā Wai.

### 11.10.2 Amenity, location and design

- a. The practicality and effectiveness of screening the [utility](#);

- b. In respect of [utilities](#) attached to [buildings](#), whether the [utility](#) is placed within the visual envelope of an existing [building](#), and the extent to which the colour and design of the facility corresponds to the existing [building](#);
- c. Consideration of the number and size of any other existing [utility](#) on the [building](#);
- d. The extent to which any adverse effects of the [utility](#) have been avoided, remedied or mitigated by the route, site and method selection; and
- e. Whether the location and size of the [utility](#) impacts on the ability of people to access any facility, [building](#), shop, [recreation facility](#) or other activity on a [site](#).

### 11.10.3 Operational considerations

- a. The extent to which the scale and [height](#) of [buildings](#) or other structures proposed are necessary to meet the technical, operational or functional requirements of the [utility](#);
- b. Consideration of soil stability, erosion, and geotechnical matters on the selection of the route or [site](#) of a [utility](#) and the extent to which these matters can be mitigated;
- c. Whether placing lines or other [utilities](#) underground is unreasonable in terms of additional costs or environmental effects; and
- d. Any risk to, and effects on, the operation, maintenance, upgrading and development of [transmission lines](#), including the [National Grid](#).

### 11.10.4 Health and safety

- a. Whether the [utility](#) will be located in close proximity to any [sensitive activity](#) and the extent of any effect on human health.

### 11.10.5 Electricity generation

- a. Whether the [utility](#) will make a meaningful contribution to [renewable electricity generation](#) targets set by central government (90% by 2025) and the [Council](#)'s Climate Smart Strategy 2010 - 2025.
- b. The distance between the [utility](#) and residences, public places, or places from which the [utility](#) would be visible, and whether the [utility](#) would impose adverse visual effects on or dominate the surrounding landscape, including but not limited to Outstanding Natural Landscapes identified in Appendix 9.2.9.2.2 and Sites of Ecological Significance listed in Schedule A of Appendix 9.1.6.1;
- c. Whether views to the [utility](#) are expansive or constrained;
- d. The extent to which the siting and size of the [utility](#) responds to its landscape context;
- e. The relative elevation of the [utility](#) in relation to residences, public places or place from which the [utility](#) will be visible, including whether the [utility](#) is located on a ridgeline or series of ridgelines, or would form part of a skyline;

- f. Number, design and extent of wind turbines and associated structures, and predominant orientation in relation to the landform;
- g. The effects on natural topography, landforms and geological forms;
- h. The ecological effects including any loss of indigenous flora, fauna, habitat and riparian margins, including through [birdstrike](#);
- i. The extent of and effect on [adjoining](#) land uses of noise levels, noise modulation, glint/glare, and shadow flicker;
- j. The need to locate wind turbines and associated structures where the wind resource is available and the quality of the wind resource;
- k. The extent and visibility of [roads](#), [earthworks](#) and vegetation clearance associated with the construction, operation or maintenance of the [utility](#);
- l. For solar cells, in addition to the above:
  - i. the time of day, year, and time per day when [adjoining](#) or adjacent properties would be affected by reflected solar glare and the degree of luminance;
  - ii. the number of properties affected and their relative proximity; and
  - iii. whether there is any glare hazard.
- m. The necessity for non-renewable electricity generation elements in the District's electricity supply network, including for [building](#) resilience.

### 11.10.6 Water, wastewater and stormwater

- a. The requirements of the Infrastructure Design Standard and/or Construction Standard Specifications as published by the [Council](#);
- b. Whether the proposed servicing will serve its intended purpose;
- c. Whether the [utility](#) utilises the existing or proposed topography and proposed networks to convey surface water by way of gravity systems;
- d. Whether provision is made for safe access for maintenance of surface water infrastructure;
- e. Whether the [utility](#) incorporate existing or new appropriate [indigenous vegetation](#), recognising the ability of particular species to absorb water, and to which planting reflects Ngāi Tahu history and identity associated with specific place;
- f. The suitability of the proposed water supply for fire-fighting purposes (the [Council](#) may obtain a report from the Chief Fire Officer), including the extent of compliance with the SNZ PAS:4509:2008 in respect of the health and safety of the community, including neighbouring properties;
- g. The extent to which the proposed surface water management systems are consistent with the relevant [Council](#) Stormwater Management Plan or Integrated Catchment Management Plan;
- h. Any adverse effects on the functioning or values of the existing network of drains, [springs](#), waterways and ponding areas;

- i. The provision for, and protection of, the flood storage and conveyance capacity of waterways.
- j. Whether the proposed ponding area will be attractive to birdlife that might pose a [bird-strike](#) risk to the operation of Christchurch International Airport Limited; and
- k. The requirements of AS/NZS 1547:2000.