

Recommended New Provisions / Text	Scope
<p><b>Proposed new note at beginning of chapter:</b></p> <p>Note: The provisions contained in EIT-EN apply to all energy activities and electricity generation activities, and the provisions contained in EIT-INF do not apply to those activities.</p>	<p>Manawa (00311.29) submission.</p> <p>Contact further submission point (FS00318.116)</p> <p>Meridian further submission point (FS00306.073)</p> <p>[and consequential amendments]</p>
<p><b>Objectives</b></p>	
<p><b>EIT-EN-01 Energy and well-being</b></p> <p>Renewable electricity generation activities enable people and communities to provide for their environmental, social and cultural well-being, their health and safety, and support sustainable economic growth and development.</p>	<p>Meridian submission (00306.051)</p> <p>Contact submission (00318.023)</p> <p>Manawa submission (00311.030), further submission from Contact (FS00318.121)</p> <p>[and consequential amendments]</p>
<p><b>EIT-EN-02 – Existing renewable electricity generation is protected</b></p> <p>Existing renewable electricity generation capacity is protected, and where appropriate enhanced.</p>	<p>Contact submission (00318.024)</p> <p>Meridian further submission (FS00306.076)</p>

<p><b>EIT-EN-O3 Renewable electricity generation contributes to national targets</b></p> <p>Renewable electricity generation activities in Otago contribute to the achievement of New Zealand's national target for renewable electricity generation and climate change commitments, including supporting the reduction of national greenhouse gas emissions.</p>	<p>Manawa submission (00311.031) and Meridian further submission (FS00306.076)</p> <p>Contact submission (00318.024)</p> <p>Meridian submission (00306.052)</p> <p>[and consequential amendments]</p>
<p><b>EIT-EN-O4 Energy use</b></p> <p>Development is located and designed to facilitate the efficient use of energy and to reduce demand if possible, minimising the contribution that Otago makes to total greenhouse gas emissions.</p>	<p>As per pRPS version subsequent to supplementary evidence.</p>
<p><b>Policies</b></p>	
<p><b>EIT-EN-P1 Recognising and providing for renewable electricity generation</b></p> <p>Ensure that decisions on the allocation and use of natural and physical resources, including the use of fresh water and development of land:</p> <p>(1) recognise and provide for:</p> <ul style="list-style-type: none"> <li>a) the national significance of renewable electricity generation activities; and</li> <li>b) the national, regional and local benefits of renewable electricity generation activities,</li> </ul> <p>(2) have particular regard to:</p> <ul style="list-style-type: none"> <li>a) the importance of maintaining the generation output of existing renewable electricity generation activities and the continued availability of the renewable energy resource for existing activities, and</li> <li>b) the functional needs and operational needs of existing and new renewable electricity generation activities,</li> </ul>	<p>Manawa submission (00311.034)</p> <p>Meridian submission (00306.054)</p> <p>Contact submission (00318.026)</p> <p>Manawa submission on policy order (00311.032)</p> <p>[and consequential amendments]</p>

<p>(3) recognise that the attainment of increases in renewable electricity generation capacity will require significant development of renewable electricity generation activities.</p>	
<p><b>EIT–EN–P2 Operation, maintenance, refurbishment and minor upgrading of existing facilities</b></p> <p>Protect and enable the operation, maintenance, refurbishment and minor upgrading of existing renewable electricity generation activities.</p> <p><b>Insert new definition of ‘minor upgrading’:</b></p> <p>Development to bring existing structures or facilities up to current standards or to improve the functional characteristics of structures or facilities, provided the upgrading itself does not give rise to any significant adverse effects on the environment and provided that the effects of the activity are the same or similar in character, intensity and scale as the existing structure and activity. In relation to renewable electricity generation activities, includes increasing the generation or transmission capacity, efficiency or security of regionally significant infrastructure and replacing support structures within the footprint of authorised activities.</p>	<p>Manawa submission (00311.033)</p> <p>Meridian submission (00306.053)</p> <p>Contact submission (00318.025)</p> <p>Manawa submission on policy order (00311.032)</p> <p>[and consequential amendments]</p>
<p><b>EIT–EN–P3 Identifying new sites or resources</b></p> <p>Provide for activities associated with the investigation, identification and assessment of potential sites for new renewable electricity generation and of new and diverse sustainable energy sources.</p>	<p>Manawa submission (00311.036)</p> <p>Meridian submission (00306.056)</p> <p>Contact submission (00318.028)</p> <p>[and consequential amendments]</p>
<p><b>EIT–EN–P4 Development and upgrade of renewable electricity generation</b></p>	<p>Manawa submission (00311.035)</p> <p>Meridian submission (00306.055)</p>

<p>Provide for upgrades to existing renewable electricity generation activities and the development of new renewable electricity generation activities.</p>	<p>Contact submission (00318.027) [and consequential amendments]</p>
<p><b>EIT-EN-P5 Managing effects</b></p> <p>When providing for new or upgraded renewable electricity generation activities:</p> <p>(1) Avoid, where practicable, locating such activities in the following areas:</p> <ul style="list-style-type: none"> <li>a) Scheduled wāhi tupuna, and areas with protected customary rights,</li> <li>b) Scheduled significant natural areas,</li> <li>c) Natural wetlands,</li> <li>d) Scheduled outstanding natural features and outstanding natural landscapes,</li> <li>e) Scheduled outstanding water bodies,</li> <li>f) Scheduled areas of outstanding natural character,</li> <li>g) Scheduled areas or places of historic heritage value,</li> </ul> <p>(2) Where it is not practicable to avoid locating in the areas listed in (1) above, because of the functional needs or operational needs of renewable electricity generation activities, manage adverse effects as follows:</p> <ul style="list-style-type: none"> <li>(a) In wāhi tupuna, in accordance with HCV-WT-P2,</li> <li>(b) In a scheduled significant natural area, where more than minor residual adverse effects on biodiversity cannot be practicably avoided, remedied or mitigated, offsetting and/biodiversity compensation must be considered in accordance with APP3 and/or APP4,</li> <li>(c) In natural wetlands, in accordance with the NESF,</li> <li>(d) In all other areas listed in (1) above, manage the adverse effects of the renewable electricity generation activities on the values that contribute to the area's importance by: <ul style="list-style-type: none"> <li>i. Avoiding adverse effects, where practicable,</li> </ul> </li> </ul>	<p>Manawa submission (00311.037) Meridian submission (00306.057) Contact submission (00318.029) [and consequential amendments]</p>

<p>ii. Where adverse effects cannot be practicably avoided, they are remedied or mitigated to the extent practicable,</p> <p>iii. Where they cannot be practicably remedied or mitigated regard shall be had to offsetting and/or compensation of more than minor residual adverse effects.</p> <p>(3) In areas outside (1), avoid, remedy or mitigate significant adverse effects and when considering any residual adverse effects have regard to offsetting measures and compensation.</p>	
<p><b>EIT-EN-P5A Managing the effects of renewable electricity generation activities within the coastal environment</b></p> <p>When managing the effects of renewable electricity generation activities within the coastal environment the provisions of the CE – Coastal environment chapter apply.</p>	<p>Consequential amendment to reflect other submissions and s42A / supplementary evidence.</p>
<p><b>EIT-EN-P6 Reverse sensitivity</b></p> <p>Activities that will result in reverse sensitivity effects on existing or consented renewable electricity generation activities are avoided, and only if that is not practicable, are minimised.</p> <p><b>Insert new definition for ‘minimise’ as “means to reduce to the smallest amount practicable.”</b></p>	<p>Manawa submission (00311.038)</p> <p>Meridian submission (00306.058)</p> <p>Contact submission (00318.030)</p> <p>[and consequential amendments]</p>
<p><b>EIT-EN-P7 Small and community scale distributed electricity generation</b></p> <p>Provide for small and community scale distributed electricity generation activities that increase the local community’s resilience and security of electricity supply.</p>	<p>As per PORPS version subsequent to supplementary evidence.</p>
<p><b>EIT-EN-P8 Non-renewable electricity generation</b></p> <p>Avoid the development of non-renewable electricity generation activities in Otago and facilitate the replacement of non-renewable energy sources, including the use of fossil fuels, in electricity generation.</p>	<p>As per PORPS version subsequent to supplementary evidence.</p>

<p><b>EIT-EN-P9 Energy conservation and efficiency</b></p> <p>Development supports energy conservation and efficiency by:</p> <ol style="list-style-type: none"> <li>(1) requiring the development of new housing that is durably constructed and energy efficient,</li> <li>(2) designing subdivisions to maximise solar access, and</li> <li>(3) locating development to minimise, as far as practicable, transportation costs, car dependency and greenhouse gas emissions.</li> </ol>	<p>As per PORPS version subsequent to supplementary evidence.</p>
<p><b>Methods</b></p>	
<p><b>EIT-EN-M1 – Regional plans</b></p> <p>Otago Regional Council must prepare or amend and maintain its regional plans to:</p> <ol style="list-style-type: none"> <li>(1) protect and enable the ongoing operation, maintenance and minor upgrading (including identifying activities that qualify as minor upgrades) of existing renewable electricity generation activities including maintenance of generation output and protection of operational capacity,</li> <li>(2) provide for activities associated with the investigation, identification and assessment of potential sites and energy sources for renewable electricity generation,</li> <li>(3) provide opportunities to increase the installed capacity of renewable electricity generation assets and enable development of new renewable electricity generation activities,</li> <li>(4) manage the potential effects of new or upgraded renewable electricity generation activities,</li> <li>(5) avoid the establishment or operation of activities that may result in reverse sensitivity effects or compromise the operation or maintenance of renewable electricity generation activities or adversely affect the efficient functioning of renewable electricity generation infrastructure.</li> </ol>	<p>Meridian submission (00306.061)</p> <p>Manawa submission (00311.040)</p> <p>[and consequential amendments]</p>

<p><b>EIT-EN-M2 – District plans</b></p> <p>Territorial authorities must prepare or amend and maintain their district plans to:</p> <ol style="list-style-type: none"> <li>(1) protect and enable the ongoing operation, maintenance and minor upgrading (including identifying activities that qualify as minor upgrades) of existing renewable electricity generation activities including maintenance of generation output and protection of operational capacity,</li> <li>(2) provide for activities associated with the investigation, identification and assessment of potential sites and energy sources for renewable electricity generation,</li> <li>(3) provide opportunities to increase the installed capacity of renewable electricity generation assets and enable development of new renewable electricity generation activities,</li> <li>(4) manage the potential effects of new or upgraded renewable electricity generation activities,</li> <li>(5) avoid the establishment or operation of activities that may result in reverse sensitivity effects or compromise the operation or maintenance of renewable electricity generation activities or adversely affect the efficient functioning of renewable electricity generation infrastructure,</li> <li>(6) require the design of subdivision development to optimise solar gain, including through roading, lot size, dimensions, layout and orientation, and</li> <li>(7) require the design of transport infrastructure to provide for multi-modal transport options in urban and rural lifestyle areas.</li> </ol>	<p>Meridian submission (00306.062)</p> <p>Manawa submission (00311.041)</p> <p>[and consequential amendments]</p>
<p><b>EIT-EN-M3 – Education and information</b></p> <ol style="list-style-type: none"> <li>(1) Local authorities must provide education and information to improve energy efficiency and provide for the adoption of renewable energy sources, including: <ol style="list-style-type: none"> <li>(a) ways to increase energy efficiency and energy conservation, and</li> </ol> </li> </ol>	<p>As per PORPS version subsequent to supplementary evidence.</p>

<p>(b) opportunities for small and community scale distributed electricity generation.</p> <p>(2) Territorial authorities must provide information on design techniques to optimise solar gain, including through roading, lot size, dimensions, layout, and orientation.</p>	
<p><b>Explanation</b></p>	
<p><b>EIT-EN-E1 – Explanation</b></p> <p>The policies in this section are designed to set a clear preference for renewable electricity generation activities contributing to meeting New Zealand’s national target for renewable electricity generation and the decarbonisation of the economy.</p> <p>Renewable electricity generation is a matter of national importance and a key component in responding to climate change and energy demands. Increasing renewable electricity security will assist with ensuring that communities have options for clean heat and electricity for health and wellbeing services.</p> <p>Renewable electricity generation activities are enabled by providing for the investigation, operation, maintenance, upgrading and development of existing and new assets and ensuring that decisions on allocating natural resources and the use of land, for example, recognise the benefits of renewable electricity generation activities arising from maintaining or increasing generation capacity.</p> <p>The functional needs and operational needs associated with renewable electricity generation activities are to be recognised, and the extent to which unavoidable adverse effects can be remedied or mitigated is a key consideration. Where residual adverse effects remain, consideration is to be given to proposals to offset these or compensate for them.</p> <p>To ensure the on-going functionality of renewable electricity generation assets and to maximise their benefits, reverse sensitivity effects or activities that may compromise renewable electricity generation activities are to be avoided or only if that is not reasonably practicable their impacts minimised.</p>	<p>Meridian submission (00306.063)</p> <p>Manawa submission (00311.042)</p> <p>[and consequential amendments]</p>



<p>The policies also seek that energy use is efficient and energy waste is reduced, which will have consequential effects on minimising Otago’s contribution to the nation’s greenhouse gas emissions.</p>	
<p><b>Principal reasons</b></p>	
<p><b>EIT-EN-PR1 – Principal reasons</b></p> <p>Electricity is a basic requirement of life in Otago. It enables communities to provide for their well-being, and health and safety, and is essential to the regional economy. Everyday life is significantly affected when electricity supply is disrupted. Therefore, ensuring the security of renewable electricity resources to meet demand is crucial. The ability of existing renewable electricity generation activities to continue operating is dependent on access to resources such as water in hydro lakes and the operator’s ability to maintain existing infrastructure.</p> <p>Otago is fortunate to have several existing renewable electricity generation sites and the potential to increase renewable electricity generation. The benefits of renewable electricity generation include reducing greenhouse gas emissions, reducing dependence on imported energy and increasing supply security. These benefits are afforded to both Otago communities and nationally as exported electricity is significant for other regions. Because of this, protecting existing resources and providing for new renewable electricity generation opportunities to meet increasing electricity demand is necessary. Additionally, addressing inefficiencies in energy use can ensure that existing infrastructure is better utilised to reduce the need for new generation sites.</p> <p>Renewable electricity generation facilities may cause adverse effects on the environment because of their functional need or operational need to locate in particular areas. These areas are where resources are available, for example water for hydro-electricity generation, but they may also contain other significant values. In some situations, it may not be possible to avoid, remedy or mitigate all significant adverse effects and consideration should be given to whether those residual effects are offset or compensated.</p>	<p>Manawa submission (00311.044) [and consequential amendments]</p>

<p>The provisions in this chapter assist in giving effect to the NPSREG and NPSFM and implementing sections 5 and 7(j) of the RMA. Implementation of the provisions will occur primarily through regional plans and district plan provisions but regional, city and district councils also have a role in providing education and information to the community.</p>	
<p><b>Anticipated environmental results</b></p>	
<p><b>EIT-EN-AER1</b></p> <p>The proportion of electricity generated by renewable electricity generation activities (including small and community scale distributed electricity generation) in Otago increases over time.</p>	<p>As per PORPS version subsequent to supplementary evidence.</p>
<p><b>EIT-EN-AER2</b></p> <p>Energy use in Otago becomes more efficient over time and security of supply is maintained.</p>	<p>As per PORPS version subsequent to supplementary evidence.</p>
<p><b>EIT-EN-AER3</b></p> <p>The adverse effects associated with renewable electricity generation activities are avoided, remedied or mitigated, or where appropriate, offset or compensated for.</p>	<p>Manawa submission (00311.045), further submission from Meridian (FS00306.094)</p> <p>[and consequential amendments]</p>
<p><b>EIT-EN-AER4</b></p> <p>The proportion of greenhouse gas emissions per capita from electricity generation reduces over time.</p>	<p>As per PORPS version subsequent to supplementary evidence.</p>