



Energy group of activities

The energy group of activities contributes to the following community outcomes:

- Environment, in general, is to be looked after
- Everyone has access to acceptable standards of housing

Environment Canterbury is an advocating and influencing agency for promoting energy efficiency and the benefits of the use of sustainable energy and development of renewable energy. This includes the strategic integration of infrastructure with land use (Resource Management Act 1991 and National Policy Statement Electricity Transmission, April 2008).



KEY ISSUES FOR 2009-19

Pressure on energy sources

Canterbury faces rising demand and costs for electricity and transport fuels. This is resulting in growing pressure on the national electricity transmission grid and increased summer irrigation places a strain on local distribution networks. Global demand for oil products also impacts on fuel prices. Canterbury is highly dependent on imported transport fuels with no ready substitutes available. The energy sector is fragmented and economic and regulatory issues are also barriers to achieving secure, reliable and affordable energy. The regional energy system can be affected by climate change adaptation and mitigation responses.

Energy efficiency

Inefficient use of energy both by businesses and domestic users creates unnecessary demand for all forms of energy. Consumer behaviour change is required and will not happen without advocacy or incentives for increased energy efficiency, innovation, sustainable forms of energy production and use, and reduced environmental impacts.

>> [Household energy efficiency incentives in Christchurch](#). Go to page 54.

Note that energy efficiency is also addressed within the following groups of activities: Air Quality; Water Quality, Quantity and Ecosystems; Land; Regional Land Transport; Public Passenger Transport; and Waste, Hazardous Substances and Contaminated Sites. For Environment Canterbury's own contribution to energy efficiency see page 152.

Effect on the four well-beings

This group of activities contributes to environmental well-being and social well-being. It has no negative effects on community well-being.



SOCIAL



ECONOMIC



ENVIRONMENTAL



CULTURAL

ACTIVITIES

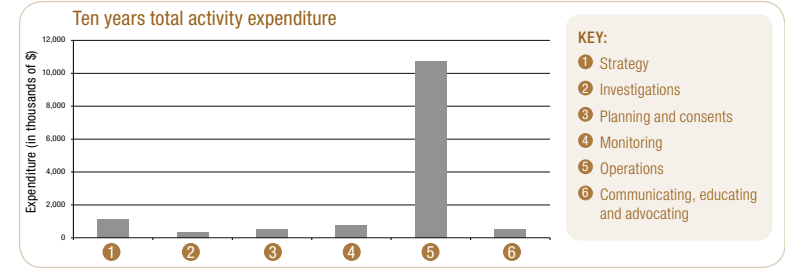
Priority over the next 10 years

The focus for this group of activities is the promotion of energy efficiency.

We will undertake the following activities:

- 1 **Strategy**
Developing regional strategies for Environment Canterbury's contribution to community outcomes for energy.
- 2 **Investigations**
Investigating energy issues and use.
- 3 **Planning and consents**
Supporting the adoption of sustainable energy measures.
- 4 **Monitoring**
Monitoring energy resources.
- 5 **Operations**
Supporting energy efficiency measures.
- 6 **Communicating, educating and advocating**
Informing the community about energy issues, and raising awareness about energy initiatives.

UNCERTAINTIES	ASSUMPTIONS
For 2009-19, the following is uncertain:	For 2009-19, it is assumed that:
a) The extent of Environment Canterbury's role in regional energy management.	a) Environment Canterbury has an advocacy and facilitative role in regional energy strategy development and implementation.
b) The type of energy issues that may emerge that require an Environment Canterbury response.	b) Some provision has been made for investigating emerging energy issues, along with participation in the Communities for Climate Protection Programme.
c) The level of future funding from the Energy Efficiency and Conservation Authority.	c) Provision has been made for funding based on current levels of commitment.



WORK PROGRAMMES FOR 2009/10 TO 2018/19:

- 1 **Strategy**
 - Year 2009/10**
 - Adopt a Canterbury Regional Energy Strategy.
 - Years 2009/10 to 2018/19**
 - Engage with key regional stakeholders and Government agencies to develop and implement a Canterbury Regional Energy Strategy.
- 2 **Investigations**
 - Years 2009/10 to 2018/19**
 - Investigate energy issues, and identify impacts across Environment Canterbury's groups of activities and the wider community.
 - Investigate emerging energy issues.

3 Planning and consents

Years 2009/10 to 2018/19

- Ensure district, city and regional plans give effect to regional policies for managing energy.
- Ensure district and city and regional plans encourage the development of renewable energy and sustainable use of existing energy sources where appropriate.

4 Monitoring

Years 2009/10 to 2018/19

- Monitor and report on energy and electricity usage trends.
- Compile data for the Regional Environment Report.

5 Operations

Years 2009/10 to 2018/19

- Provide facilities for interest-free loans and subsidies for household energy efficiency initiatives.

6 Communicating, educating and advocating

Years 2009/10 to 2018/19

- Work with key agencies to improve energy efficiency.
- Provide public information about sustainable energy and energy efficiency.
- Advocate and promote regional energy initiatives and community projects.

LEVELS OF SERVICE



HOW ENVIRONMENT CANTERBURY'S LEVELS OF SERVICE RELATE TO THE COMMUNITY OUTCOMES

Levels of Service	Community Outcomes	
	Environment, in general, is to be looked after	Everyone has access to acceptable standards of housing
1 Partnering and advocating for energy efficiency with energy-related agencies	<input type="checkbox"/>	<input type="checkbox"/>
2 Working with territorial authorities	<input type="checkbox"/>	<input type="checkbox"/>

Environment Canterbury's contribution will be reported on each year in our annual report.

OUR LEVELS OF SERVICE

1 Partnering and advocating for energy efficiency with energy-related agencies

MEASURE

Key agencies rating of how Environment Canterbury is working with them in improving energy efficiency.

TARGET

90% of key agencies rate Environment Canterbury's involvement as very good or excellent (on a scale of very poor, poor, satisfactory, very good and excellent).

2 Working with territorial authorities

MEASURE

The percentage of reviewed district and city council plans that give effect to or are not inconsistent with regional policies for energy efficiency.

TARGET

100% of reviewed plans (see table).

Note: Second generation plans will be developed by district and city councils by way of a plan review under section 79 of the Resource Management Act 1991. Environment Canterbury will review all second generation plans to ensure they give effect to the Canterbury Regional Policy Statement (CRPS) or are not inconsistent with the Proposed Natural Resources Regional Plan (PNRRP).

District and city council plans		
Council	First plan operative	Review of plan commences
Ashburton District Plan	2001	2008
Waimate District Plan	2001	2011
Hurunui District Plan	2003	2013
Mackenzie District Plan	2004	2014
Waimakariri District Plan	2005	2015
Timaru District Plan	2005	2015
Waitaki District Plan	2005*	2015
Christchurch City Plan	2007*	2017
Selwyn District Plan	2007	2017
Kaikoura District Plan	2008	2018
Banks Peninsula District Plan	2009**	2019

* operative in part
 ** assumed operative date

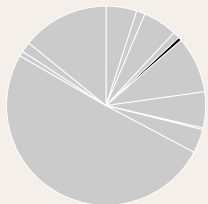
FINANCIAL SUMMARY

Asset management and capital expenditure

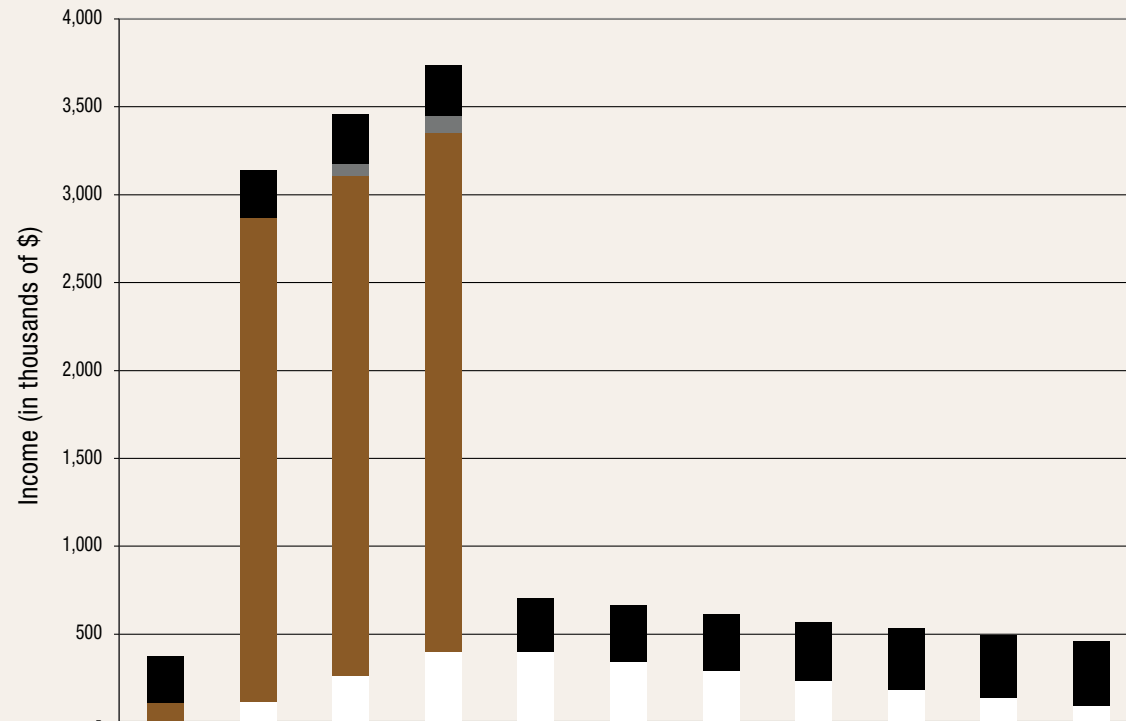
There are no assets involved in this group of activities.

How this work is funded

For more information on source of funds and rationale for selection, see: 2009 Funding and Financial Policies, Long Term Council Community Plan Part B.



Ten years total expenditure, all 13 groups of activities
KEY: ■ This group of activities



(\$000)	2008/09 Annual Plan	2009/10 LTCCP	2010/11 LTCCP	2011/12 LTCCP	2012/13 LTCCP	2013/14 LTCCP	2014/15 LTCCP	2015/16 LTCCP	2016/17 LTCCP	2017/18 LTCCP	2018/19 LTCCP
Interest	3	114	262	401	403	345	288	233	182	137	95
User Pays/Other	-	-	-	-	-	-	-	-	-	-	-
Grants	105	2,754	2,850	2,952	-	-	-	-	-	-	-
Targeted Rates	-	-	62	97	-	-	-	-	-	-	-
General Rates	263	272	286	288	301	319	323	334	353	355	364
Total Income	371	3,140	3,460	3,738	704	664	611	567	535	492	459
Operating Expenditure	371	3,033	3,335	3,606	699	657	603	556	524	479	444
Operating Surplus/(Deficit)	-	107	125	132	5	7	8	11	11	13	15
Reserves	-	(107)	(125)	(132)	(5)	(7)	(8)	(11)	(11)	(13)	(15)

Household Energy Efficiency Incentives in Christchurch

What the Council decided

THE DRAFT 2009-19 LONG TERM COUNCIL COMMUNITY PLAN PROPOSED:

That Christchurch homeowners wishing to make their homes more energy efficient should be able to apply for an interest-free loan repayable over 10 years via a targeted rate to be paid by the homeowner. Alternatively, homeowners could obtain a subsidy towards the cost of the work, with the homeowner paying the balance.

COUNCIL'S DECISION

This proposal was adopted in full.

BACKGROUND TO THE PROPOSAL

The draft Long Term Council Community Plan proposed to make incentives available to Christchurch City homeowners to assist them to install insulation, more efficient forms of home heating, and other energy efficiency measures. These will be available via an interest-free loan (repayable over 10 years through a targeted rate on the property), or a subsidy towards the cost of the installation. This programme will run in partnership with the Christchurch City Council, with significant funding from the Energy Efficiency and Conservation Authority (EECA), through its EnergyWise™ incentives programme.

The interest-free loan or subsidy incentive programmes will have no impact on rating for Environment Canterbury ratepayers, other than those homeowners who choose to participate in the scheme. To qualify, houses must have been built before 2000. The programme will run for three years, starting on 1 July 2009. The number of households able to be assisted will depend on the extent of funding from EECA and the level of third party funding from other partners, e.g. the Christchurch City Council.

The Central Government budget of 28 May 2009 announced that additional funding will be available for new energy efficiency incentives programmes.

WHAT THE SUBMITTERS TOLD US

Generally submitters supported the introduction of a household energy incentive programme in Christchurch City.

