



**Gisborne  
District  
Energy  
Strategy**

**2  
0  
0  
5**

## ***Gisborne District Energy Strategy***

This strategy identifies key opportunities and priorities based on the Tairāwhiti Regional Energy Assessment, which was commissioned by the Tairāwhiti Development Taskforce and completed in December 2004.

At present the District is facing an electricity supply constraint as transmission and distribution lines into parts of the region reach capacity. In addition the region has some of the highest costs for energy in the nation.

In the face of rising energy costs and the predicted diminishing supply of fossil fuels over the next decade the Gisborne District Council has the potential to proactively manage its local energy needs in combination with the Tairāwhiti Partnership to ensure a sustainable energy future for both the District and the Region.

### ***The Gisborne District Council Energy Strategy is based on the following Principles:***

- Future demand can be met by:
  - Promoting energy efficiency
  - Encouraging the effective use of energy resources through energy management plans, procedures and technology.
  - Encourage investment in local large, small and micro generation facilities.
- Projects to have a demonstration and delivery focus for the District
- A programme of engagement with Central Government for security of energy and energy efficiency projects
- Energy impacts need to be appropriately recognised through resource planning, management procedures and the LTCCP
- Provide strong advocacy, promotional, strategic policy and institutional support for low and efficient energy modes of transport
- Continue to monitor and evaluate alternative renewable sources of energy.

### ***Areas of Focus***

Outlined below are the key areas of focus identified within the Tairāwhiti Regional Energy Assessment, which will form the basis of the Gisborne District Council strategy.

The following specific opportunities have been aligned to the Five Sector Programmes\* of the National Energy Efficiency and Conservation Strategy where either local and or regional authorities have a responsibility for action.

The extent to which this strategy can be implemented will depend on available funding and resources.

## **A. Energy Generation / Supply Opportunities**

1. Promote the evaluation of all hydro generation **(2)**
2. Promote the evaluation of CHP opportunities, generally on a small scale for high thermal and electricity users e.g. Council Olympic pool **(1,3)**
3. Promote offshore Gas exploration **(2)**
4. Facilitate/assist in Wind Energy evaluation **(2)**
5. Promote / facilitate solar energy for water heating uptake within the District. **(2)**

## **B. District Plan Reviews and Empowering Policies**

1. Revise link between GDC Energy objectives and the LTCCP **(1)**
2. Ensure that energy efficiency actions will be implemented through department and District plans etc. **(1)**
3. Review Policy Statements and Resource Management Plans to ensure that these reflect energy needs and strategies.

## **C. Energy Efficiency Programmes**

### **Residential**

1. Warm homes and reduction in cost through Energy Saver programme **(4)**
2. Solar heating hot water pilot scheme and loans programme **(2,4)**
3. Promote monitoring of energy consumption through time and use metering **(4)**
4. Review residential consents for energy saving initiatives e.g. solar heating. **(2,4)**

### **Industrial**

1. Promote and effect increased uptake of energy audits programmes **(1,3)**
2. Promote and effect increased uptake by SME of energy efficiency programmes **(1,3)**
3. Facilitate implementation of audit training programme **(1,3)**
4. CHP opportunities seminar. **(1,3)**
5. Promotion of Time & use metering **(1,3)**

### **Transport**

1. Facilitate demand reduction and traffic management review – reduce the need to travel **(1,5)**
2. Provide greater financial, promotional, strategic policy and institutional support for low energy modes – reduce reliance on roads, secure rail and shipping as viable alternatives **(1,5)**
3. Facilitate energy efficient driving education programme **(1,5)**
4. Change fleet management perceptions, purchase decision and management practices **(1,5)**

## **D. Energy Efficiency & Public Awareness Programme:**

1. Prepare a public awareness information pack **(1,4)**
2. Provide literature for schools and polytechnic re energy conservation and energy planning **(1,4)**
3. Encourage energy efficient building design fact sheets for consent applications **(1,4)**
4. Facilitate by laws amendments to encourage house access to sun for solar heating e.g. trees on north boundary may be a hazard to energy efficiency **(1,4)**
5. Asses options for the establishment of an energy efficient rating of homes. **(1,4)**

## **E. Secure Existing Industry and Attract New Industry**

1. Promote the development of secure and reliable energy supply for existing and new industry **(1)**
2. Facilitate Energy Sector skills and Audit training programme **(1)**
3. Develop an energy profile. **(1)**

## **F. Transmission Network**

Work with suppliers and line companies to ensure adequate transmission capability for the District is maintained. **(1)**

## **G. Research & Development Opportunities**

1. Assist to complete renewable energy resource study **(2)**
2. Monitor wave technology and generators **(2)**
3. Monitor Bio energy opportunities **(2)**

### **\* Note: Five Sector Programmes of the Sustainable Energy Strategy**

1. Central and Local Government Programme.
2. Energy Supply Programme.
3. Industrial Programme
4. Buildings and Appliances Programme
5. Transport Programme.