



MainPower Generation

- A national problem and a local opportunity
- Generation
 - Wind
 - Hydro
 - Solar
 - Micro
- The Future

- 11,000 sq km
- 4,000 km of lines
- 30,000 customers
- 78 MW Peak Load
- 475 million kWh used in 2005

MainPower in the Community

- We own the power lines in North Canterbury and Kaikoura
- Been around for more than 75 years
- Owned by our customers
- Profits returned through rebates on your power bills



MainPower
The Power to Make a Difference



Our Vision

To be a **leading** electricity and **energy services** business, committed to **customer value** and our **region's prosperity**

MainPower
The Power to Make a Difference



A local response to a national problem

- Everyone relies on a secure electricity supply
- A city the size of Dunedin is added to our energy demand each year
- We face shortages and price rises
- Our national generation options are limited
- MainPower wants to proactively respond to the energy issues facing our region



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Local generation

- No electricity is generated in our region
- \$1 million leaves the region each week
- We have significant local renewable energy resources
- We can use our wind, water and sunshine to generate energy



MainPower
The Power of Best of Breed





We have abundant renewable energy resources and the opportunity to use them in a sustainable and environmentally friendly way

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Wind generation

- New Zealand has one of the best wind resources in the world
- Wind is a cost effective form of generation
- Wind is plentiful and renewable
- No carbon emissions



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Hydro

- Hydro power is New Zealand's main source of electricity
- Hydro is a perfect complement to wind
- We are investigating small scale, minimal impact projects
- No carbon emissions



MainPower
The Heart of North Island



Solar

- It might be windy here – it's also sunny!
- We have a good track record in solar generation
- Our own building is being fitted with shade and solar power
- Solar energy is non-polluting
- We are keeping up with developments



MainPower
The Heart of North Island



Micro Generation

- Homes or businesses generate their own electricity
- Great in remote areas
- Can be good for the network too
- We have a number of pilot programmes underway



MainPower
The Heart of North Island



Pilot Programmes



MainPower
The Power of Local Energy





Using local resources to generate electricity will bring real benefits to the North Canterbury and Kaikoura communities

MainPower
The Power of Local Energy



Benefits to the Community

- A secure and reliable supply of electricity
- Regional economic prosperity
- A better lines business

There are also significant benefits to the country as a whole

- A more diverse network and energy independence
- Environmental gains from saved emissions



MainPower
The Power of Local Energy





What's next

- Solar projects underway
- Wind monitoring towers
- Hydro feasibility studies
- Community support is vital



MainPower
The Energy of the West Coast





Imagine supplying our region with
locally produced energy.
Reliable, clean and renewable energy.
Providing for us today and for our
future generations.
