



# MainPower Live Lines

THE POWER TO MAKE IT HAPPEN

## Cleardale Hydro

Cleardale Hydro, MainPower's first renewable energy hydro generation project is now generating electricity. The scheme started generating on 23 December 2010 and at its peak will produce just under 1 MW of electricity, enough to power 500 homes. The boutique 'run of river' hydro consists of a river intake, a pipeline (called the penstock)

that conveys the water from the intake to the turbine, and a power house that houses the hydro turbine and electricity generator. The penstock stretches a distance of 3km from the intake to the power house and drops 300m in altitude. This exciting venture fits with MainPower's renewable energy generation and distributed generation strategy.



Cleardale Hydro Scheme Power House

## Network Update

Conversion of the Leslie Hills area to 22kV is continuing into the new financial year and should be complete for the next irrigation season. This will increase the capacity and reliability, and also allow the Leslie Hills, Emu Plain, Lyndon and Waiau township areas to be part of a ring feed increasing the security of supply.

MainPower is also striving to complete its annual overhead lines maintenance before the winter weather conditions restrict access to lines. MainPower's ability to maintain the network to the high standard we want for our customers is reliant on the goodwill of the many landowners in our area for access to their land to undertake this work. Thank you all for your on-going support and assistance.

## MainPower Scholar Representing New Zealand

MainPower's 2010 Sports Scholar, Natasha Lloyd has been selected in the New Zealand team for the Youth Commonwealth Games to be held in the Isle of Man this September. Natasha's selection followed her success at the New Zealand Open Swimming Championship's held in Auckland recently where she won gold medals in the 100m and 200m breaststroke events. In both events Natasha broke long standing New Zealand records.

At the 2011 Australian Age Group Swimming Championships in Adelaide, Natasha again won gold in both the 100m and 200m breaststroke.

"The Australian Champs were great learning and great competition amongst our Aussie neighbours. It was a good step towards the Youth Commonwealth Games which I am really looking forward to," Natasha said.

Keep up the hard work Natasha and good luck!



Natasha in action

## Winter Power Consumption

With the cold winter weather ahead, it's likely you will be using more power. Now is a good time to stop and check you are getting the best deal from your electricity retailer. There are seven electricity retailers who operate in the MainPower Network and you can choose which retailer you purchase your power from. Phone your current retailer and check you are on the best plan for your power use, then compare prices with other companies.

### Electricity Retailers operating on the MainPower Network:

Contact Energy	Phone 0800 80 9000
Meridian Energy	Phone 0800 496 496
Genesis Energy	Phone 0800 436 374
Trustpower	Phone 0800 87 87 87
Mercury Energy	Phone 0800 10 18 10
Tiny Mighty Power	Phone 03 313 5290
Pulse Energy	Phone 0800 78 57 33

Want to know how you can save power?

Phone the Home Energy Advice Centre on free phone  
**0800 388 588**



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