



Disclaimer

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This presentation does not constitute investment advice.



Introduction

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Presentation	
Who is Contact?	 How does geothermal fit in?
The Wairakei Investment Programme	 Te Mihi Power Station Steamfield construction Bioreactor Drilling
Future Geothermal Development	



Contact Energy highlights

Contact Energy is one of New Zealand's largest electricity generators and retailers and owns and operates geothermal, hydro and thermal electricity plants across New Zealand that support homes and businesses

Contact Energy owns and operates **10 power stations** throughout New Zealand

166 MWs (gross) of geothermal generation under construction

New Zealand's only underground gas storage at

Ahuroa, Taranaki

4 geothermal stations in the Central North Island

Staff from Auckland

to Invercargill

Generates around definition of New Zealand's electricity

Supplies of the New Zealand electricity retail market (as at 30 June 2011)

thermal generation stations,

located in Taranaki, Auckland and the Waikato, provide capacity and backup to New Zealand's largely renewable generation



Contact Energy is one of New Zealand's largest publicly listed companies by market capitalisation and is widely held, with

around 79,000 shareholders

560,000+ customers

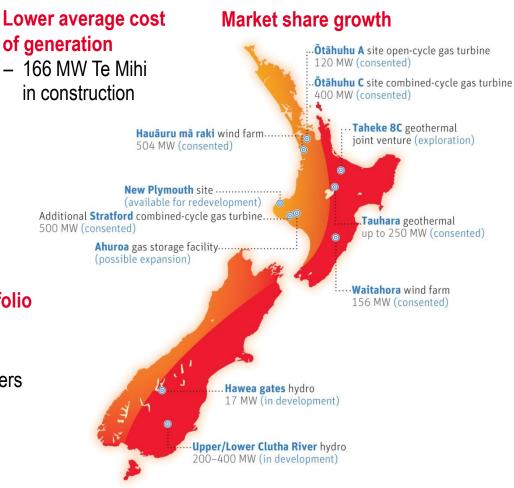
across Contact Energy's electricity, gas and LPG businesses

around

Contact Energy – Three key strategies for growth









Increasing portfolio flexibility

- Gas storage
- Stratford peakers
- Gas portfolio

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Wairakei Investment Programme



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Wairakei Investment Programme

The new power station at Te Mihi is part of the **Wairakei Investment Programme**. The programme is being managed under a single integrated governance structure.



Three large power stations on Wairakei field



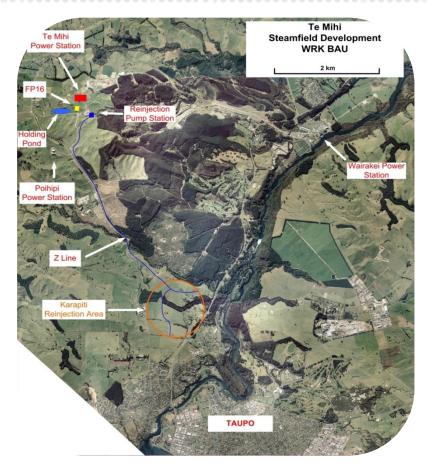


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Wairakei Project One - Steamfield Project

• The Steamfield Project requires the construction of:

- Production well connections
- New Separation Plant
- New steam and two phase lines
- Reinjection line and pumps the main reinjection pipeline to wells at Karapiti
- Reinjection well connections at Karapiti and Poihipi West
- Holding pond enables fluid to be discharged and contained in the event of a station shut or steamfield failure.



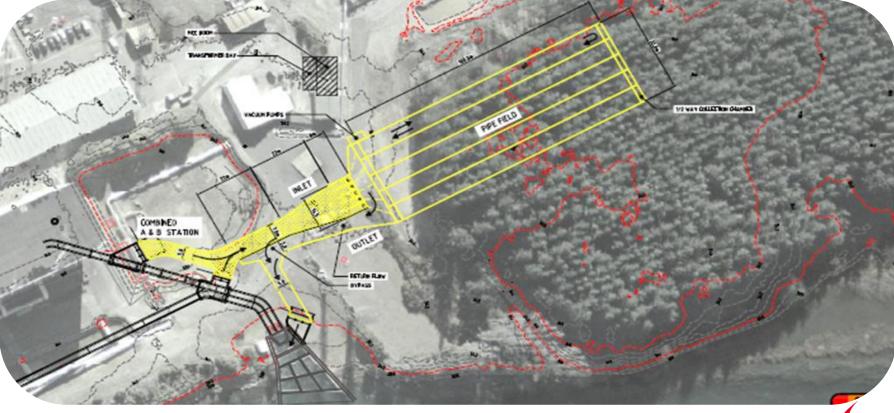




Wairakei Project Two - Bioreactor Project – improving discharges to the Waikato river



The bioreactor project will facilitate the required reduction in H₂S discharges to the Waikato River from the Wairakei Power Stations







Wairakei Project Three – Drilling Project

The Drilling Project requires:

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- New production wells at Te Mihi and in the Western Bore Field at Wairakei;
- New reinjection wells at Karapiti;
- New reinjection wells in Poihipi West.

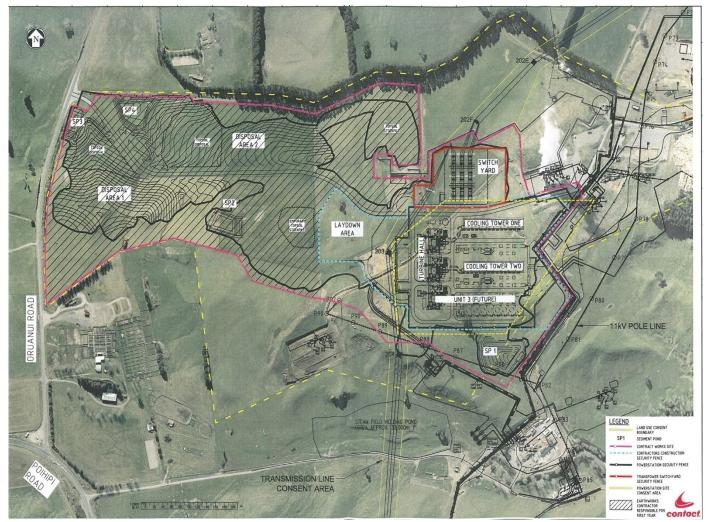
- Maintenance of production and reinjection wells at existing Contact power stations;
 - Wairakei
 - Poihipi
 - Te Huka / Tauhara
 - Ohaaki





Te Mihi Power Station Progress – current status on site

- Roading and site
 entrance complete
- Sediment control
 measures in place
- Power House
 foundation in place
- Turbine supports
 under construction
- Cooling Tower basin reinforcing being placed
- Switchyard pad prepared
- Detailed design
 progressing





Beyond Te Mihi

Future Geothermal Development



New fields require partnership with Maori land owners Combining knowledge and resources – our vision for partnerships



- land and resources
- iwi cultural values:
 - sustainability
 - water quality
 - preservation of land based values
 - bio-diversity
 - waahi tapu
 - respect for local marae

Partnership of strength and mutual respect

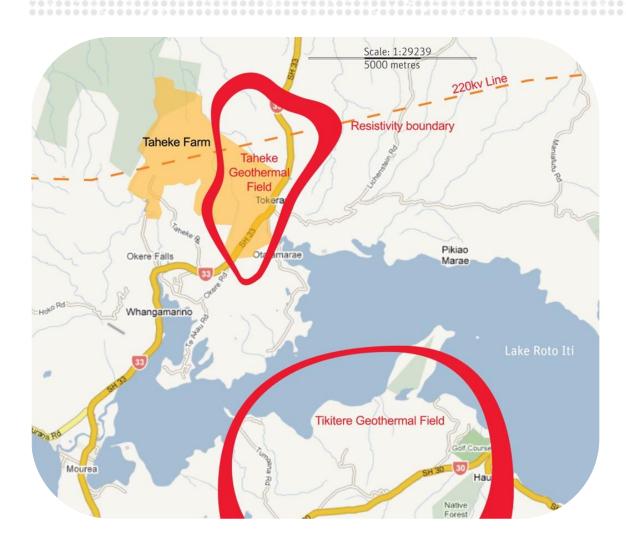
Contact Energy

- 50 years of geothermal power generation
- reservoir and
 - steamfield expertise
- financial strength and access to capital



Taheke – our partnership approach in action

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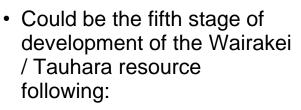
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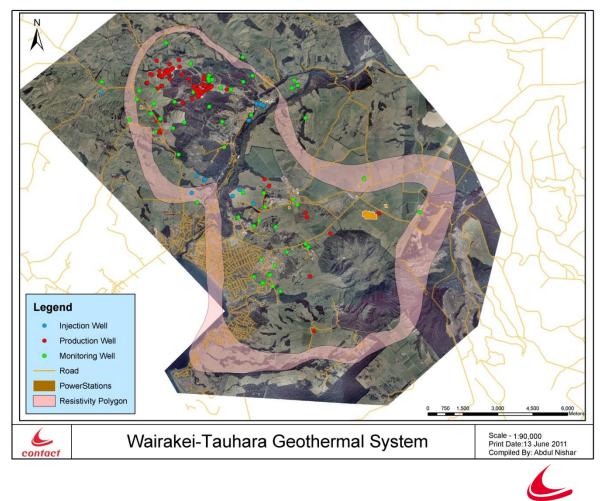
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Tauhara: 250 MW consented

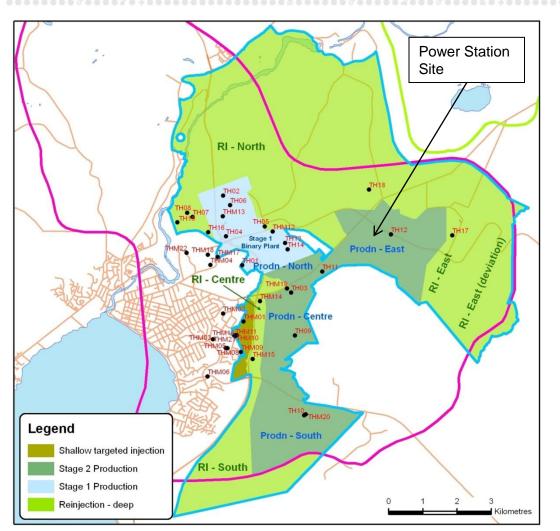


- Wairakei A & B (and binary plant)
- Poihipi
- Te Huka
- Te Mihi
- Follows extensive investigations and builds on more than 50 years of operations on the field
- Was consented under Board of Inquiry process in 2010



contact

Tauhara: Consented zones



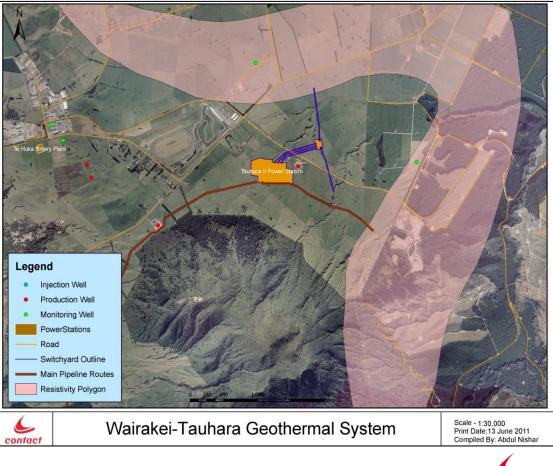
- Consent area is shown by the blue line
- Consent area extends beyond the system boundary to permit flexibility in the reinjection strategy
- Areas excluded from the consent application area – Centennial Drive, Mt Tauhara
- Area includes Te Huka
- Tauhara field area is twice as large as Wairakei



Tauhara - location



- Located away from residential areas, on flat land, near transmission
- Main pipe corridors and separator stations have been defined
- Well pad locations and branch lines to be defined
- Programme now includes further drilling and investigations to prepare for investment





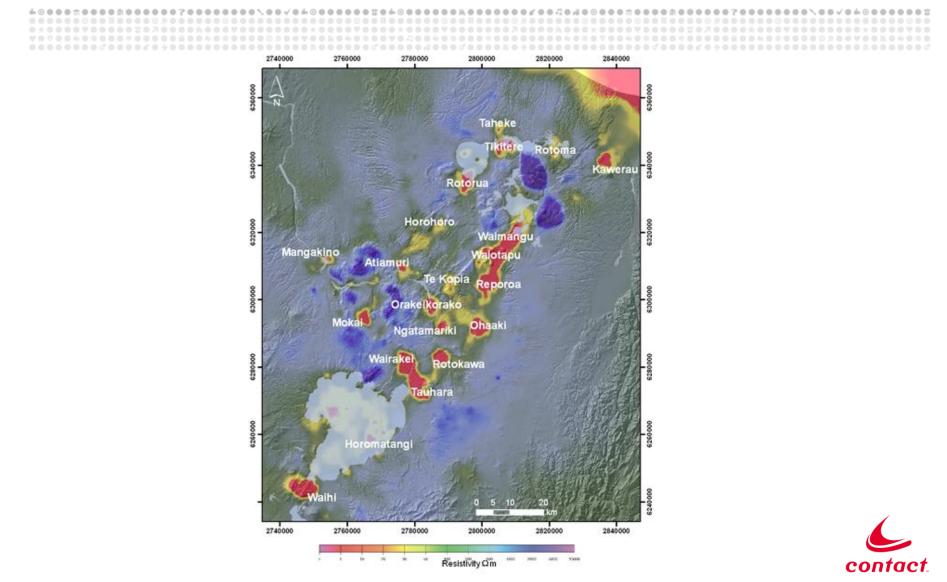
250MW Tauhara station site to the northeast of Mt Tauhara







Other Prospects



Contact Energy's options position it well for the future

- Contact Energy has a geothermal development pipeline of over 400 MW including projects in construction, consented and in exploration
 - Geothermal generation can be complex to consent requiring world class science and land management to ensure sustainability
- The time is right for geothermal generation in New Zealand affordable, reliable, renewable and with a low carbon intensity
- New developments will derive from and benefit from partnerships with tangata whenua
- New Zealand's geothermal resources which are available for development are finite – new approaches may see more resource become accessible – but it cannot be developed indefinitely; in New Zealand, new wind, hydro and gas will all have a role to play
- Contact Energy's options across all fuel sources position it well to meet New Zealand's needs and ensures a pivotal role in ensuring New Zealand's security of supply





