

# Fossil Fuels Mining and Just Transition



**Presentation for ECO Conference**

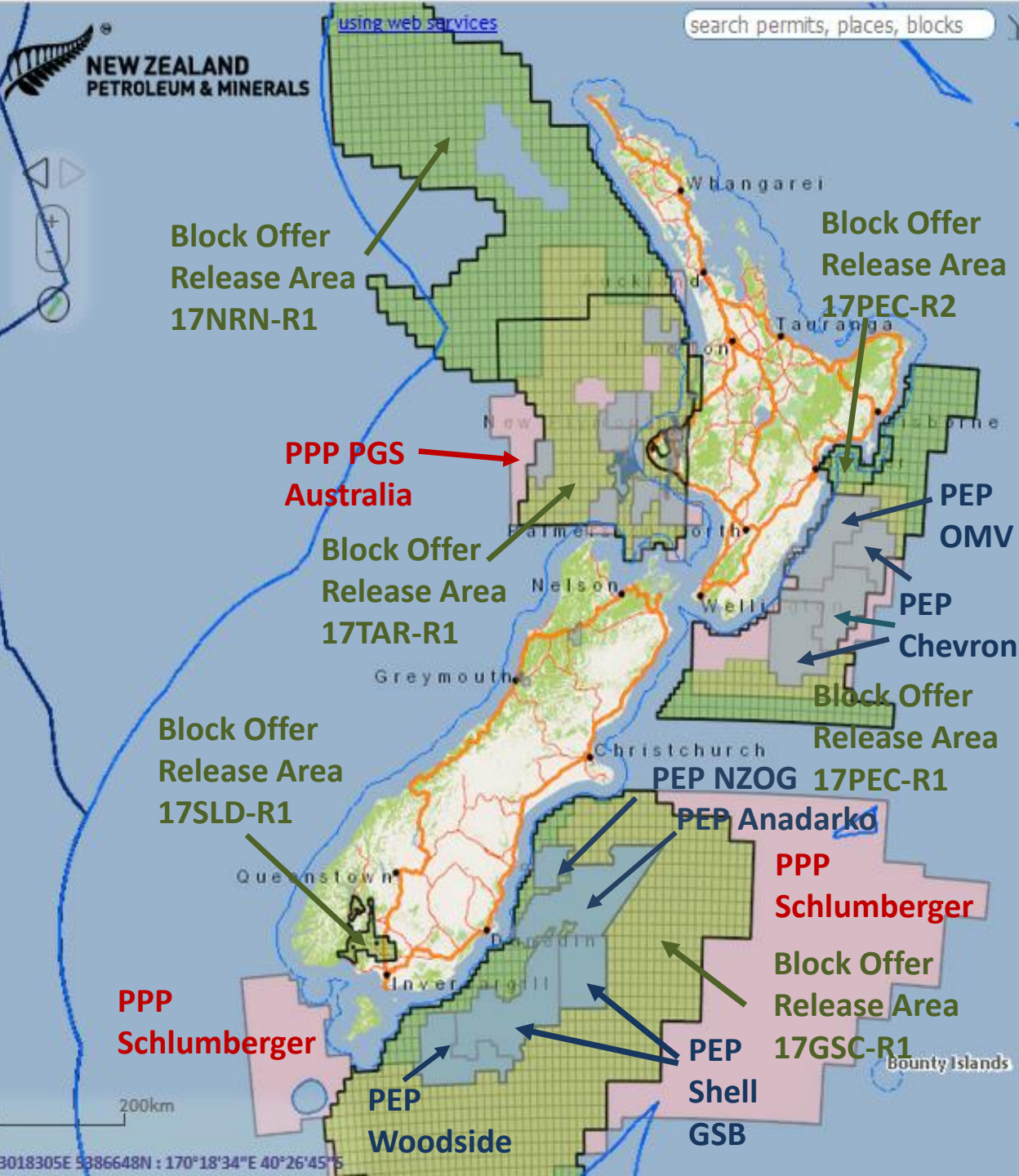
**26-27 August 2017, Nelson**

**by Catherine Cheung**

**Climate Justice Taranaki**

**Todd Energy Mangahewa-C wellsite, Taranaki**

Photo by Fiona Clark, 11 April 2013

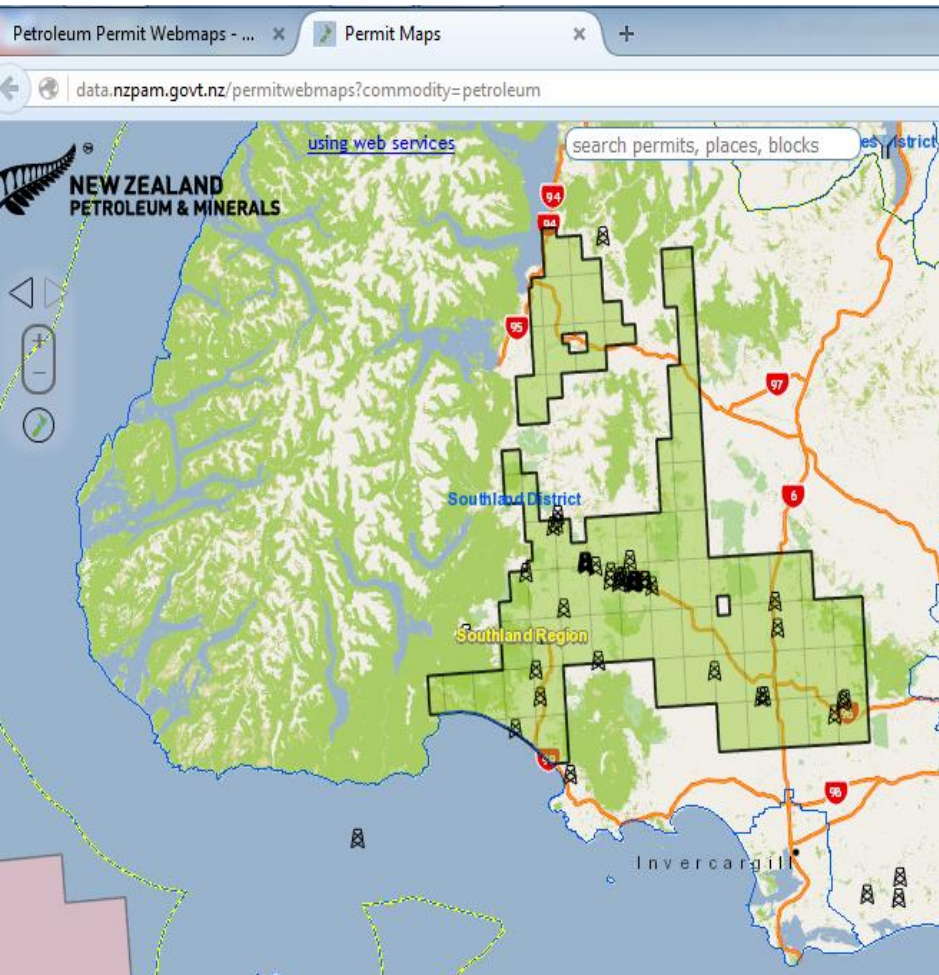


# Petroleum Permits & Block Offers 2017

- Block offer 2017 total **481,735 km<sup>2</sup>**
- Bids for block offers close on **6 Sept 2017**
- Permits to be granted in Dec 2017

<http://data.nzpam.govt.nz/permitwebmaps?commodity=petroleum>  
(12/08/2017)

# Southland Onshore Block Offer 3,568km<sup>2</sup>



<http://data.nzpam.govt.nz/permitwebmaps?commodity=petroleum>

## Edge of Lake Te Anau included in Govt tenders for oil and gas block exploration

CATHERINE HARRIS  
Last updated 10:36, March 23 2017



MARJ BAKER

Lake Te Anau is the gateway to Fiordland National Park.

<http://www.stuff.co.nz/business/industries/90756740/edge-of-lake-te-anau-included-in-govt-tenders-for-oil-and-gas-block-exploration>

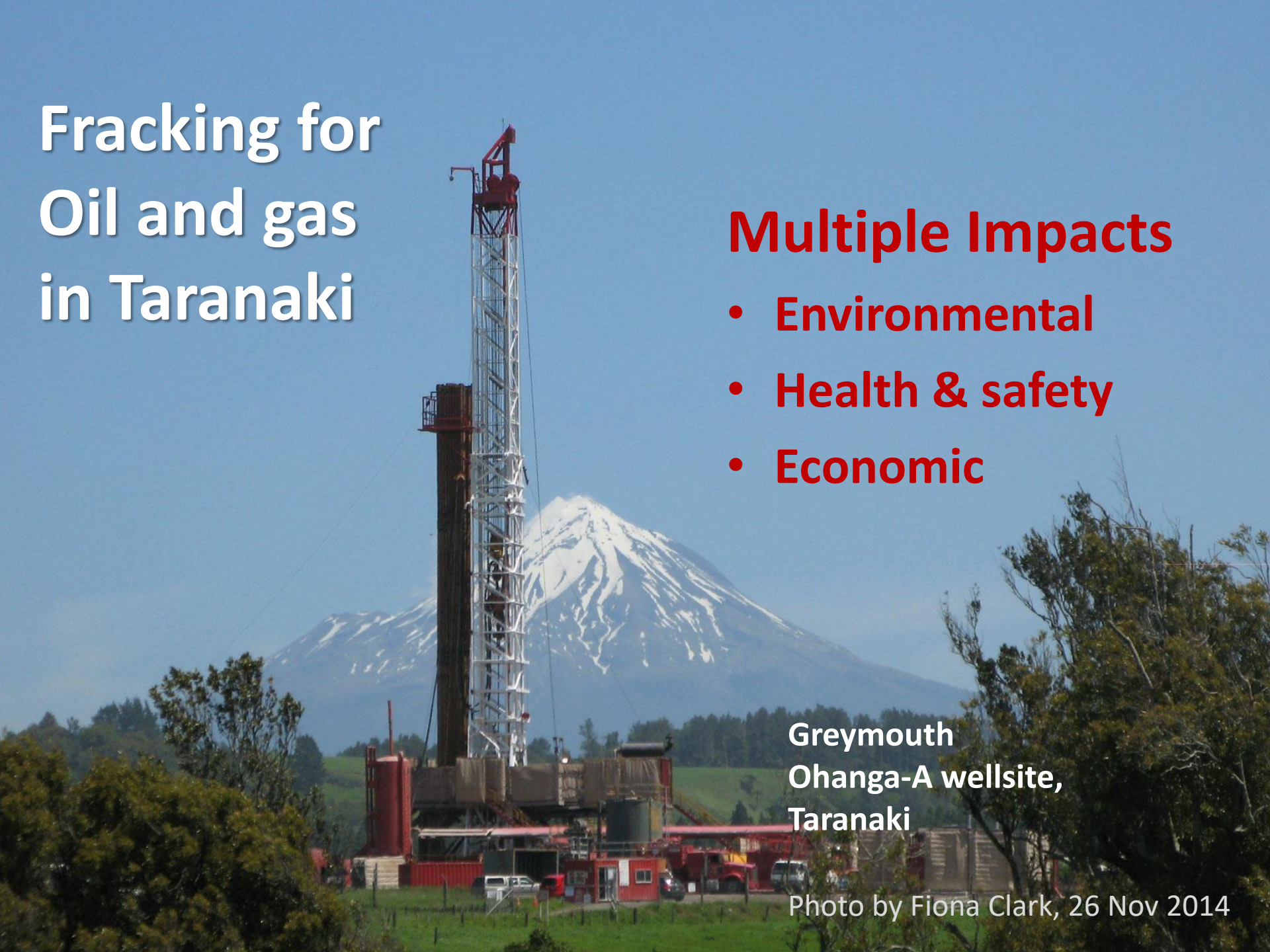
# Fracking for Oil and gas in Taranaki

## Multiple Impacts

- Environmental
- Health & safety
- Economic

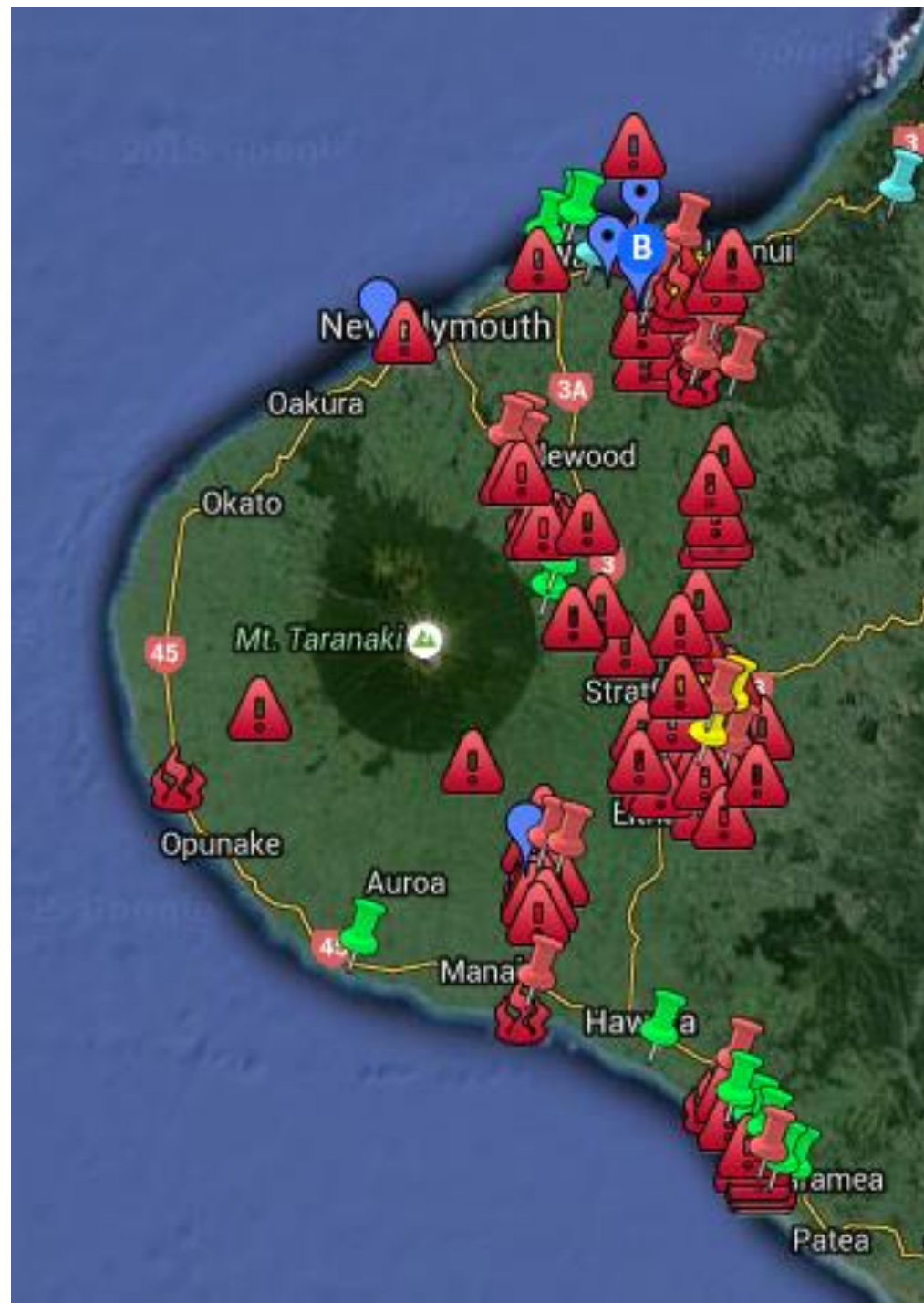
Greymouth  
Ohanga-A wellsite,  
Taranaki

Photo by Fiona Clark, 26 Nov 2014



## It's NOT just the wells!

- Seismic survey - explosives
- Wellsites
- Production stations
- Deepwell injection sites
- Mix Bury Cover sites
- Land farms
- Worm farms
- Tank farms
- and...





## Flaring at Todd Energy Mangahewa-D wellsite, Taranaki

## Fugitive emissions capture by a FLIR camera in Texas

<https://www.youtube.com/watch?v=RAo3mh8CWwMU&feature=youtu.be>

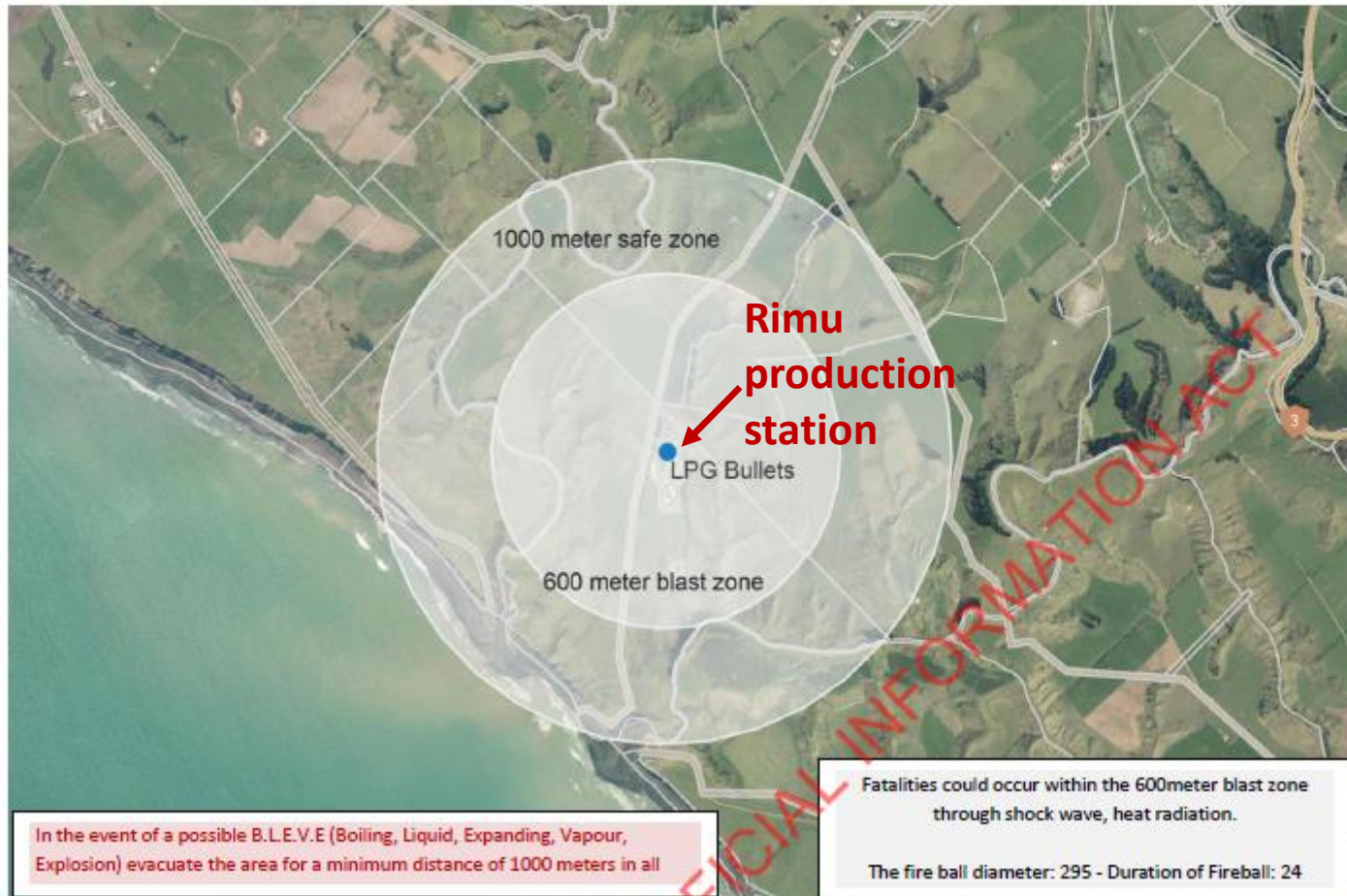
<https://www.youtube.com/user/earthworksaction/videos>

<https://vimeo.com/205496570> (Australia)





# What is the minimum safe distance?



Slide courtesy of Taranaki Energy Watch

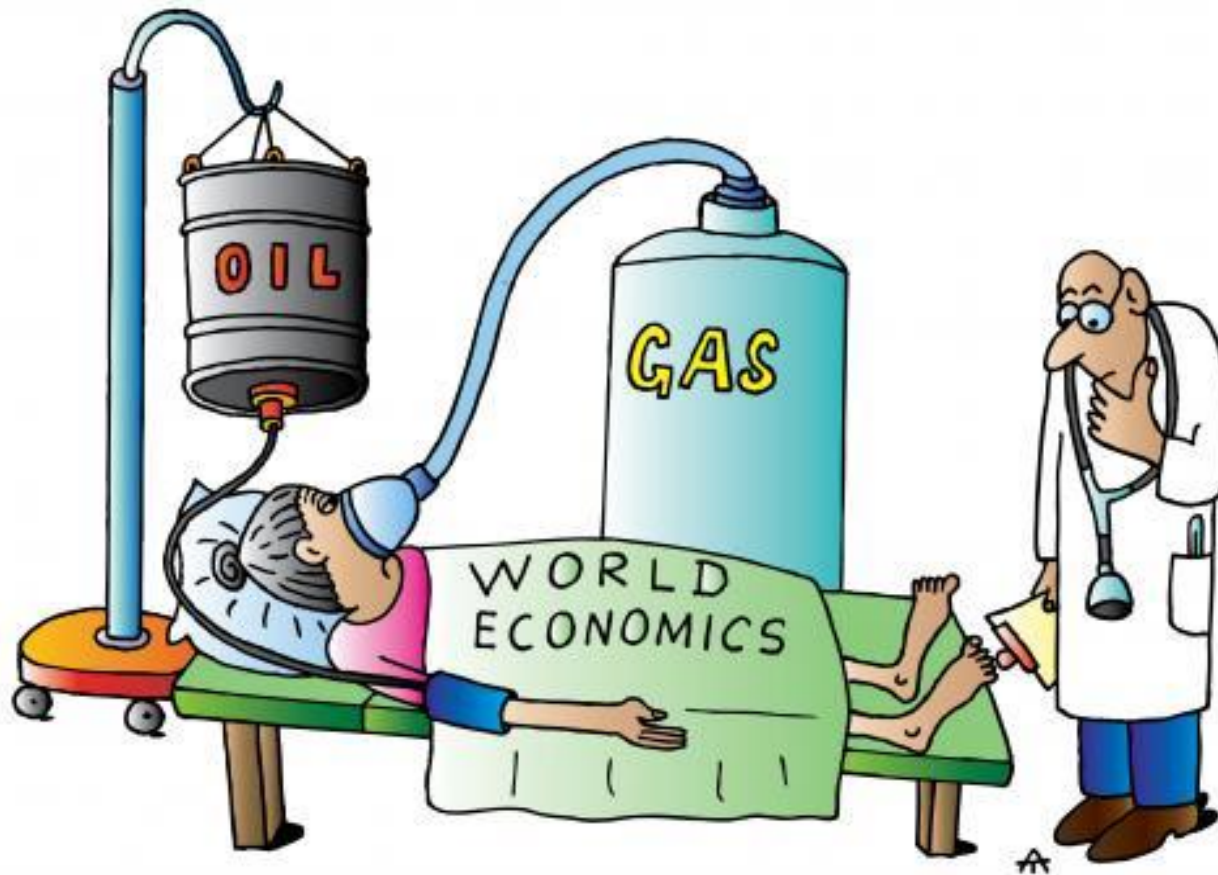
## TARANAKI ENERGY WATCH NEEDS YOUR HELP

District councils in Taranaki are reviewing their oil and gas rules. There is a possibility this process will inform baselines for national standards affecting the rest of New Zealand. TEW need your help to pay for experts who presented strong evidence oil and gas activities should never be permitted and separation distances from our homes and families should be increased. While the experts are generous with their knowledge and time donations help pay for some of the costs of their ongoing work. Thank you for your support so far and we hope to we can count on your help again.

Help us by donating to Taranaki Energy Watch today.

Both New Plymouth and Stratford District Councils are **against TEW's appeal** for stricter oil and gas rules in the South Taranaki District Plan.



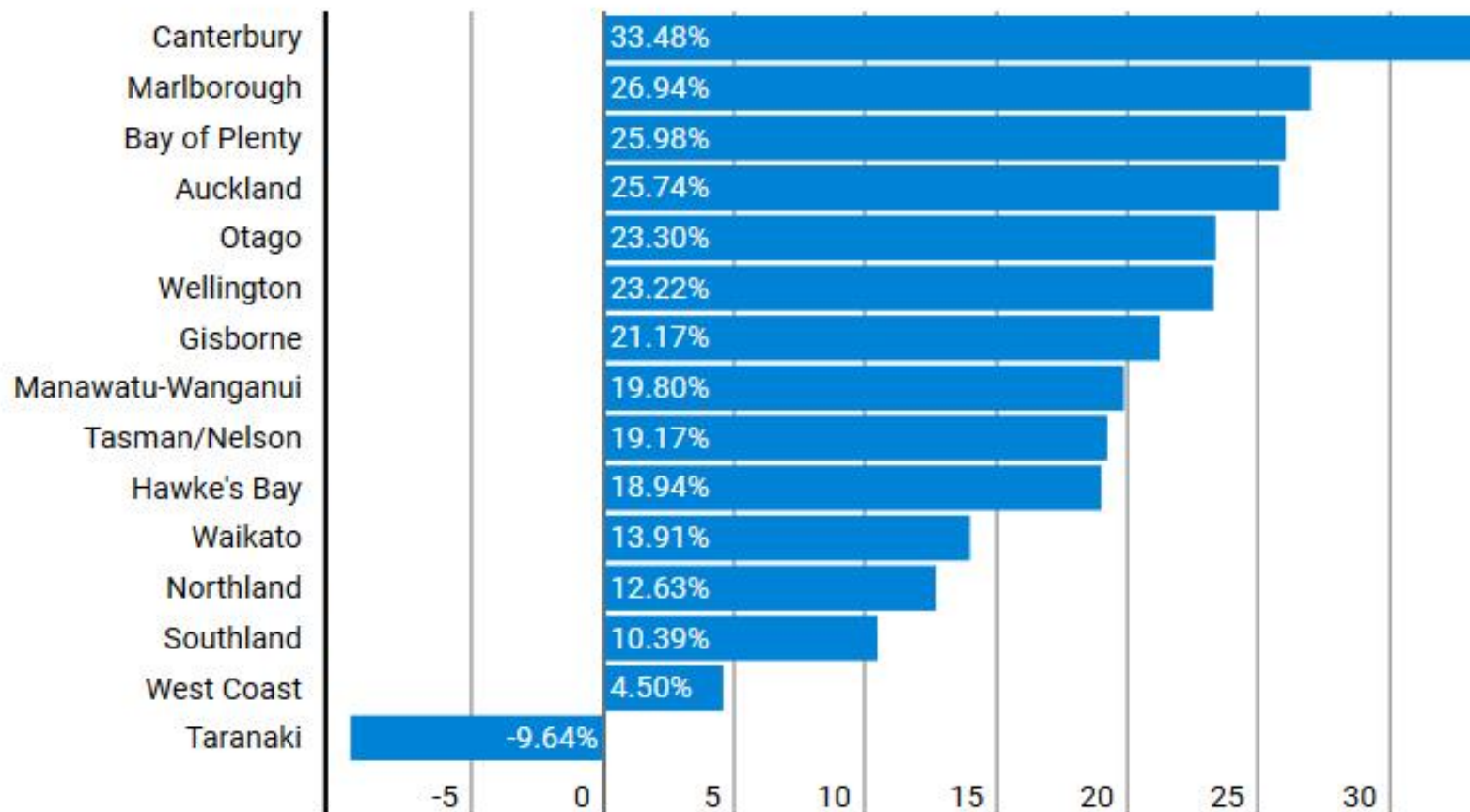


By Alexei Talimonov

***“Government aims to increase the value of NZ petroleum exports **ten-fold** from \$3 billion to \$30 billion a year by 2025.”*** NZ Trade & Enterprise

<https://www.nzte.govt.nz/en/invest/sectors-of-opportunity/oil-and-gas/>

## Change in GDP per capita, 2009-2016

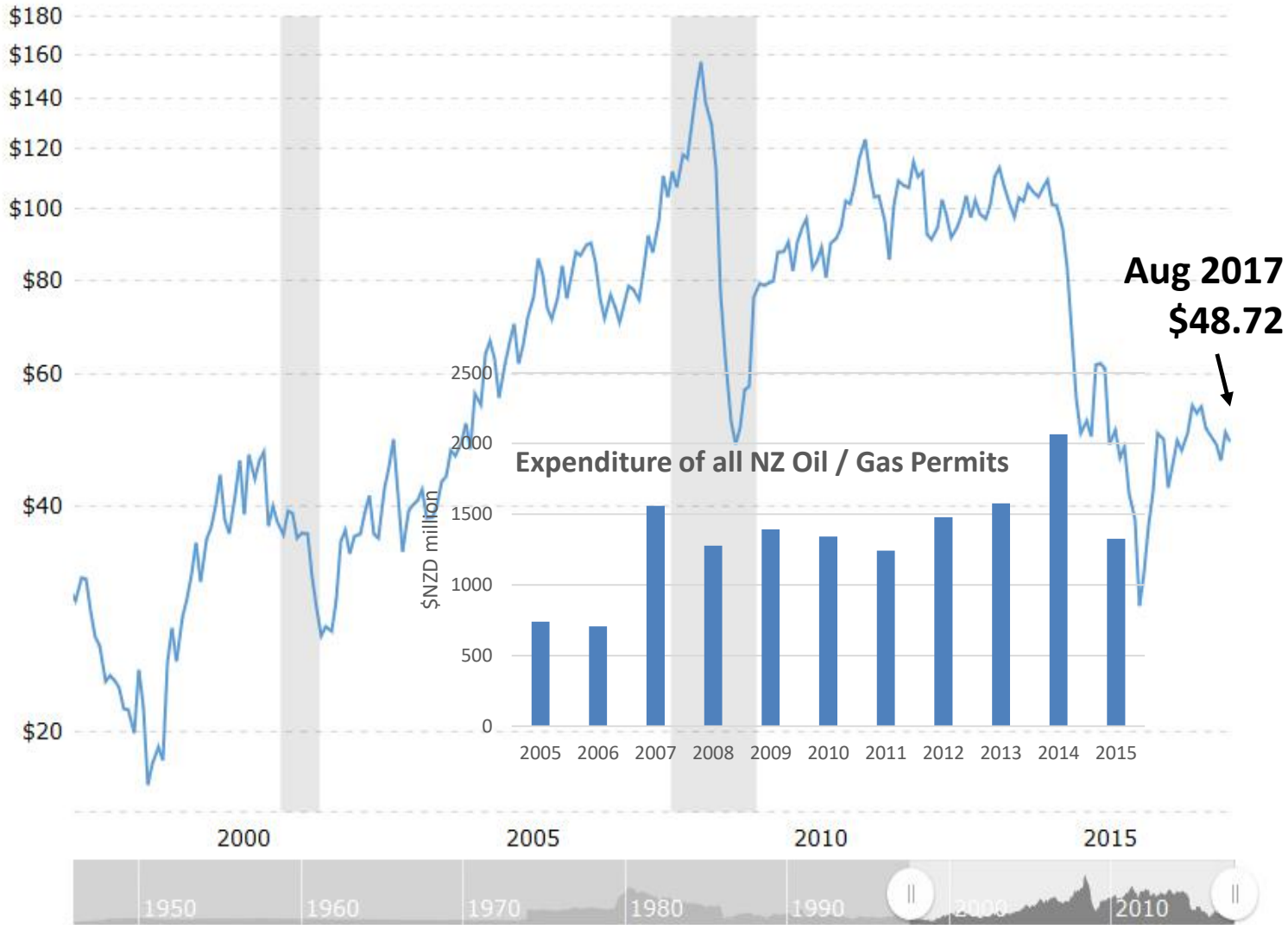


Source: Statistics NZ

**“Oil and dairy have long been the region's flotation device but the economic downturn signalled a warning call for an industry shake-up...”**

<http://www.stuff.co.nz/taranaki-daily-news/news/91027256/gdp-hit-the-hardest-in-taranaki-but-region-still-leads-the-country>

# Historic Trend of Crude Oil Prices



<http://www.macrotrends.net/1369/crude-oil-price-history-chart>

<http://www.mbie.govt.nz/info-services/sectors-industries/energy/energy-data-modelling/publications/energy-in-new-zealand>

# Taranaki Engineering company lays off all its staff

LEIGHTON KEITH

Last updated 15:55, July 30 2017



*"The closure comes as the result of a combination of persistently difficult market conditions, particularly the significant and sustained downturn in work from the energy sector,"* John Lecher

<https://www.stuff.co.nz/taranaki-daily-news/news/95251374/taranaki-engineering-company-lays-off-all-its-staff>

**ANZ chief economist  
Cameron Bagrie said  
nothing good can last  
forever...**

**"*Volatility* is the name  
of the game... The  
idea you're going to  
have one career for  
life is a joke. Things  
are moving at such an  
*exponential pace*...  
What we're seeing is  
*a massive structural  
change*"**

## The slow demise or temporary slump of New Zealand's oil and gas industry

BRITTANY BAKER

Last updated 16:01, March 24 2017



ANDY JACKSON/Fairfax NZ

Oil and gas are still the dominant player in the world's energy game but global warming is pushing fossil fuels into the socially and politically unacceptable zone.

<http://www.stuff.co.nz/business/industries/9061800/the-slow-demise-or-temporary-slump-of-new-zealands-oil-and-gas-industry> (24 March 2017)

# Government faces multi-million dollar bill to decommission oil rigs

LEIGHTON KEITH

Last updated 09:19, March 29 2017



The government expects to pay over **\$800 million** in the next 25 years to oil companies, as tax and royalty rebates (42-48 % of total cost), to decommission their aging offshore rigs and structures

**An IR Bill will be enacted post-election to enable “Refundable tax credit” for decommissioning cost**

<http://www.petroleumconference.nz/wp-content/uploads/2017/04/23-Hulbert-Community-22-March.pdf>

<http://taxpolicy.ird.govt.nz/publications/2017-ris-areirm-bill/petroleum-mining-decommissioning>

<http://www.stuff.co.nz/taranaki-daily-news/news/90952440/Government-faces-multi-million-dollar-bill-to-decommission-oil-rigs>



# How is New Zealand doing?

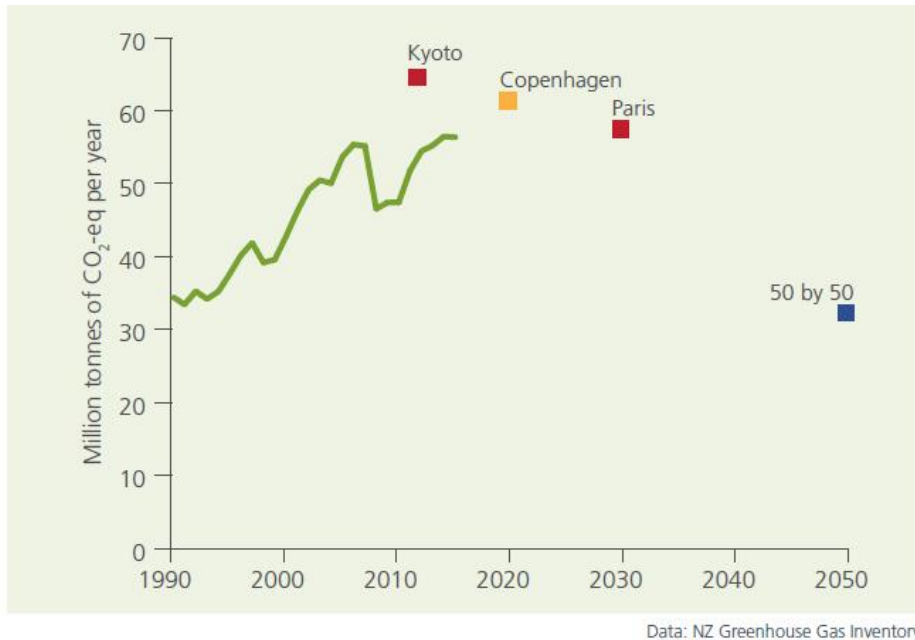


Figure 2.1 New Zealand's net emissions of greenhouse gases from 1990 to 2015.

*“...there is **no direct link** between New Zealand climate policy and reaching the Paris target. There are **no guarantees** that the curve will begin to bend...”* Parliamentary Commissioner for the Environment, 2017

<http://www.pce.parliament.nz/publications/stepping-stones-to-paris-and-beyond-climate-change-progress-and-predictability>

*“With a view to implement the Paris Agreement, the government should **reassess its policies** and **adopt sectoral energy action plans**, notably for the transport, built environment and industry sectors..”* International Energy Agency, 2017

<https://www.iea.org/publications/freepublications/publication/EnergyPoliciesofIEACountriesNewZealand2017.pdf>

**Just transition now!**



TON



# Climate change risk prompts Super Fund to sell shares in oil, gas firms

1:05 pm on 15 August 2017

Share this      



Eric Frykberg, Transport, Energy & Resource Infrastructure Reporter  
✉ [eric.frykberg@radionz.co.nz](mailto:eric.frykberg@radionz.co.nz)

The New Zealand Superannuation Fund has sold shares in some of the world's biggest companies to reduce exposure to firms emitting greenhouse gases.



*“We think that climate change represents a **material risk**, one that is **not being properly priced** by the markets... This is clearly **not an ethical decision** at this stage, it is an **investment decision**”* Matt Whineray of NZ Super Fund

<http://www.radionz.co.nz/news/national/337218/super-fund-sells-shares-to-cut-climate-change-exposure>

<http://www.noted.co.nz/money/investment/why-nz-super-fund-is-ditching-millions-worth-of-climate-damaging-investments/>

James Reo, former country manager for an international drilling company said:

*“Over the decades Taranaki has gone through **fits and starts**... [Now] oil companies are doing the **absolute minimum** that they have to [to] keep their leases and honour their contracts of supply...*



<http://www.radionz.co.nz/programmes/brighter-future/story/201850964/brighter-future-the-boom-the-bust-and-the-rustbelt>

*People who’ve run out of work in the oil and gas industry are looking at **a shaky future**. They really need to seriously commit to **retraining** into some other skill set – some other industry perhaps...”*

Union organiser Ross Henderson calls for **a just transition** - a framework developed by the trade union movement to **protect workers' jobs and livelihoods** when economies are shifting to sustainable production...

*“Yes it would be great to come back to what it used to be but I don't think oil and gas is the future... They need to be **trained in new skills**... They're perfectly capable, they just need a little help along the way...”*

<http://www.stuff.co.nz/business/industries/90611800/the-slow-demise-or-temporary-slump-of-new-zealands-oil-and-gas-industry> (24 March 2017)

# A Solar Challenge for the Energy City

*“Solar-powered buses could be the dawn of a bright new **public transportation** system — especially here in New Plymouth, the nation’s energy and engineering capital...*

*The sort of engineering firms that can build part of a drilling platform can surely adapt a coach for plugging-in...*

*Building the first electric bus with wifi and solar power charging sources is well within the abilities of our skilled engineers and mechanics. What is needed is the **investment** and the **vision...**”*



**Tindo the world’s first solar bus**

<http://www.sundaymail.co.zw/tindo-the-worlds-first-solar-bus/>

<http://livemagazine.co.nz/2017-issue-augustseptember/a-solar-challenge-for-the-energy-city/>

# Sunny outlook for a few rural properties in Taranaki with solar power electricity

BRITTANY BAKER

Last updated 13:06, August 12 2017



Powerco is setting up **alternative power source** units called Base Power at 20 properties in **Taranaki**, Manawatu, Wairarapa, Waikato and Coromandel after storms in July wreaked havoc on power lines...

<https://www.stuff.co.nz/business/95718046/sunny-outlook-for-a-few-rural-properties-in-taranaki-with-solar-power-electricity>

[http://www.radionz.co.nz/audio/player?audio\\_id=201855105](http://www.radionz.co.nz/audio/player?audio_id=201855105) (from 02:14)



***“We see Base Power as a way to give our most remote customers a **reliable power supply** no matter the conditions, without having to rely solely on traditional power poles and lines” Eric Pellicer***

*For information and support, visit:*



[www.ClimateJusticeTaranaki.info](http://www.ClimateJusticeTaranaki.info)



<http://taranakienergywatch.aaaorg.nz>