

# **Climate Justice Taranaki**

**Presentation to the New Plymouth District Council**

**Sustainability Working Party meeting**

**22 November 2024**

**Council Chamber, Ngāmotu**

# Climate Justice Taranaki founded in 2010



No offshore drilling protest, April 2011



Petroleum conference,  
Ngāmotu, March 2017



Climate  
strike  
Sept 24





Food sovereignty  
Areas we want to change:

- Simplify
- Green corridors more visible
- Sea level rise + implications
- Pilot example - model for future
- Engagement - Māori
- Intergenerational connections
- Collective financial system
- Higher density + co-housing / -citizen assembly
- Fossil fuels & connection to intensive farming → move to regenerative farming (diversify agriculture)
- Support farmers to change
- Resilience - infrastructure education
- Smaller decentralized microgrids + decentralised everything
- Share economy incl. digital changes

Education in schools (content & ways to go)



Climate Debate,  
Sept 2023

## Just Transition Community Conference, 15/06/2019

### Taiepa Tiketike

Community energy research at Parihaka  
Papakainga - Tihikura Hohala & Joshua Curd  
with thanks to Parihaka Papakainga Trust, Ministry of Business,  
Innovation & Employment, Massey University



Climate Action Now  
Wānanga, 11/05/2024



# **In 2023-2024, we held 10 events and completed 18 submissions, publications & presentations**

[MBIE's consultation 'Consenting improvements for renewable energy generation and transmission'](#), 1 June 2023

[Climate Change Commission's 2023 Draft Advice to Government on the Second Emissions Reduction Plan](#), 20 June 2023

[Parliamentary Inquiry into Seabed Mining in New Zealand](#), 23 June 2023

[Electricity Authority consultation 'Ensuring an orderly thermal transition'](#), 25 July 2023

[Emissions Trading Scheme \(ETS\) Review and Permanent Forestry category](#), 11 Aug 2023

[New Plymouth District Council's Significance and Engagement Policy](#), 14 Aug 2023

[MBIE Regional Hydrogen Transition](#), 13 Sep 2023

[EPA reconsideration of Trans Tasman Resources Ltd \(TTRL\) seabed mining application](#), 6 Oct 2023

[Taranaki Regional Natural Resources Plan – Freshwater Management Units consultation](#), 24 Oct 2023

[MBIE Energy Transition consultation](#), 2 Nov 2023

[MfE Biodiversity Credit System consultation](#), 2 Nov 2023

[Degrowth principles, policies, planetary boundaries & oranga iho nui – CJT Leaflet](#), 25 Jan 2024

[Toitū Taranaki 2030 Community Transition strategy – CJT Leaflet](#), edition 25 Jan 2024

[CJT presentation at Ara Ake 4th Offshore Renewable Energy Forum](#), 20 March 2024

[Government Policy Statement on Land Transport](#), 1 April 2024

[Taranaki Regional Long-Term Plan 2024-2034](#), 12 April 2024

[Fast Track Approvals Bill Approvals Bill](#), 19 April 2024

[New Plymouth District Council Long-term Plan 2024-2034](#), 19 April 2024

# Put two things to bed

**Can we have more coal & gas to keep our lights on and make energy affordable?**



New Plymouth mayor Neil Holdom use AI to create an image of “500,000 tonnes” of coal. NEIL HOLDOM/CHAT GPT

<https://www.stuff.co.nz/environment/360484193/what-mountain-coal-tells-us-about-our-messed-energy-situation>

**Is fossil gas a critical bridge to energy transition?**



<https://www.ecowatch.com/natural-gas-methane-1999012906.html>



***"Emissions will go up if we find more gas and burn it, it will take another few years but it will result in emissions continuing to rise for a decade or more after a gas find..."***

***But more interestingly, if we import LNG....including the whole process of extracting the gas, cleaning it, chilling it, transporting it, storing it, and utilizing it, it exceeds coal emissions per kilowatt hour,"***  
**Sustainably Energy Prof. Ralph Sims,  
Massey University**

**Don't forget fugitive emissions**

<https://www.rnz.co.nz/news/national/525192/us-oil-and-gas-industry-releasing-four-times-more-methane-than-official-records-shows>

# LNG imports: Is coal 'twice as bad' as liquefied natural gas for emissions?

10:11 am on 29 August 2024

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Eloise Gibson, Climate Change Correspondent  
✉ [Eloise.Gibson@rnz.co.nz](mailto:Eloise.Gibson@rnz.co.nz)



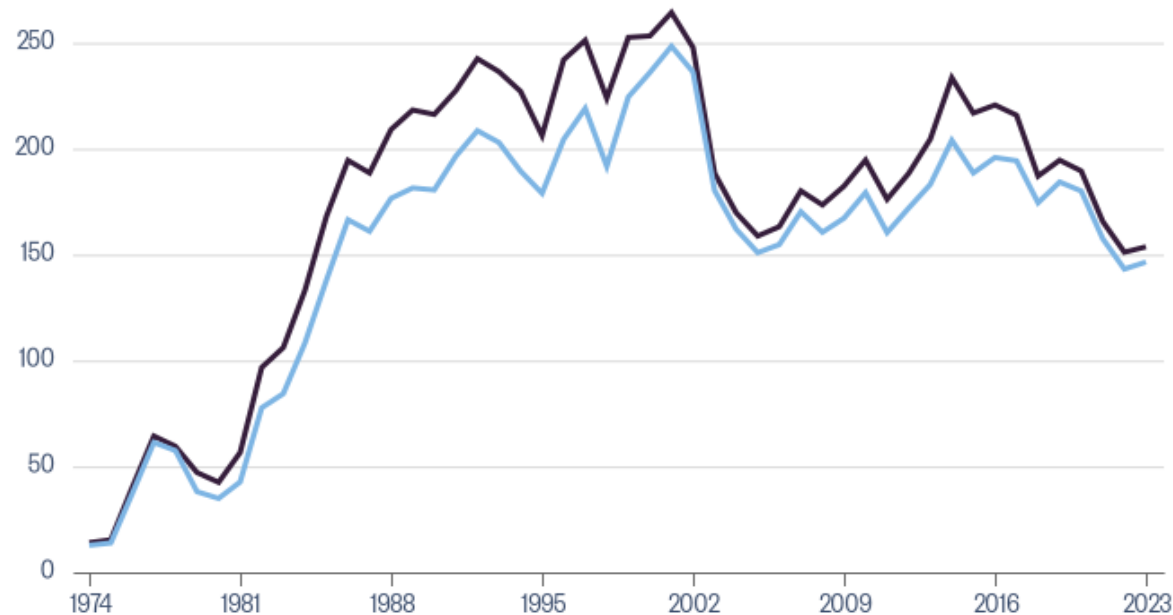
<https://www.rnz.co.nz/news/national/526479/lng-imports-is-coal-twice-as-bad-as-liquefied-natural-gas-for-emissions>

## Total production of natural gas in New Zealand

1974–2023, gross petajoules

Provider: Ministry of Business, Innovation, and Employment

<https://figure.nz/chart/s1QwxJs1nSkP2kVn>



**From 2019 to 2023, \$1.77 billion was spent in drilling 58 wells**

<https://www.mbie.govt.nz/building-and-energy/energy-and-natural-resources/energy-statistics-and-modelling/energy-statistics/petroleum-reserves-data>

NEW ZEALAND / POLITICS

## No new gas likely before 2035 despite government's plans to un-ban exploration

4:23 pm on 30 September 2024

Share this



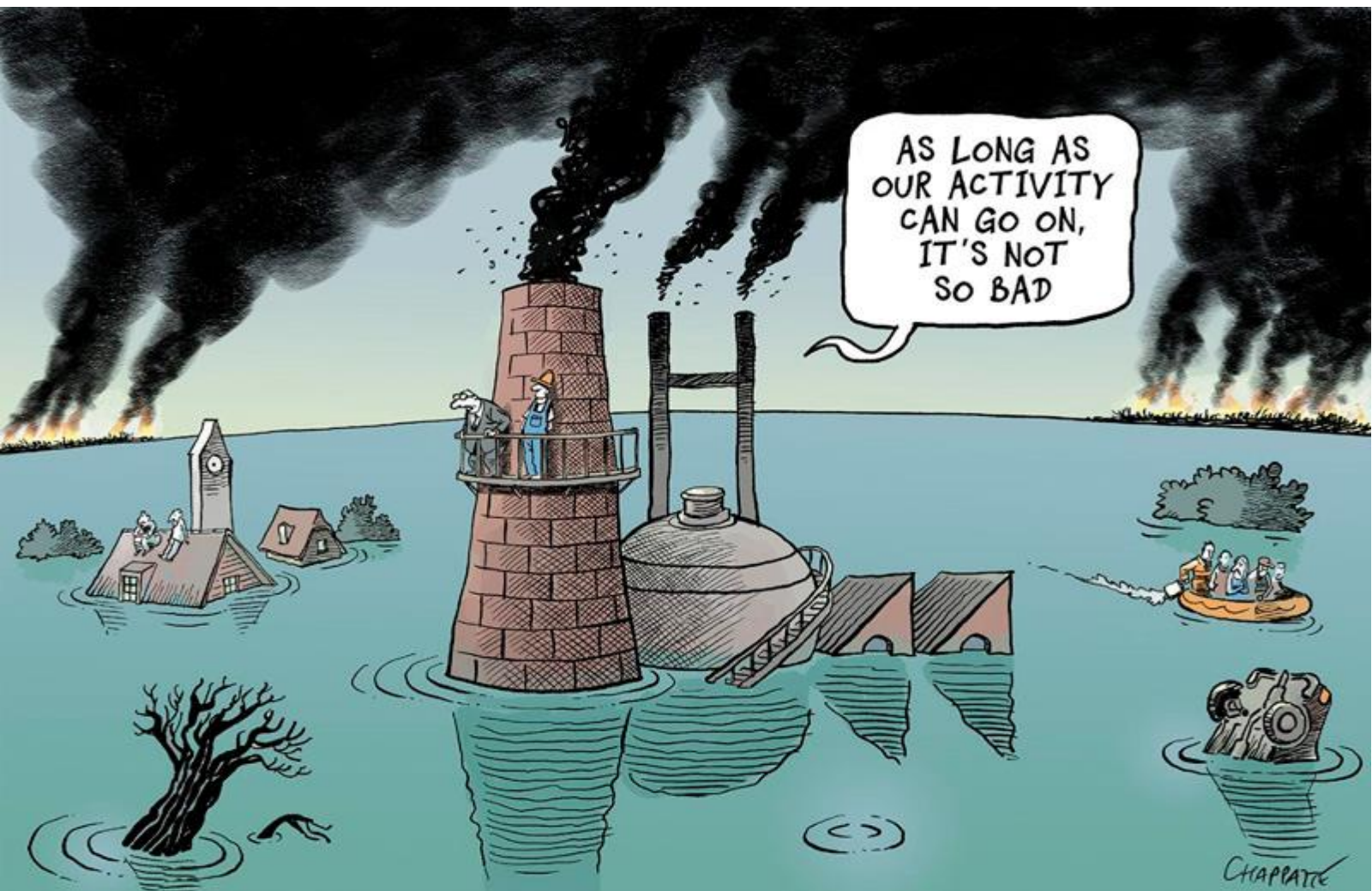
Eloise Gibson, Climate Change Correspondent

[Eloise.Gibson@rnz.co.nz](mailto:Eloise.Gibson@rnz.co.nz)



<https://www.rnz.co.nz/news/national/529445/no-new-gas-likely-before-2035-despite-government-s-plans-to-un-ban-exploration>





At the Taranaki Regional Growth Summit (22/11/24) Shane Jones suggested adding **an adverse event clause** in oil & gas exploration deals so *"if politics threatens property rights then people can claim compensation."* Another incentive being explored was to reduce **royalties**... New Plymouth mayor was supportive of the use of **adverse event clauses** to attract offshore exploration back to the province...

<https://www.rnz.co.nz/news/political/534582/offshore-oil-and-gas-ban-worst-political-decision-shane-jones-says>



# What's wrong with the New Zealand electricity market?

## Before 1984

- ▶ An “essential service” collectively provided
- ▶ Priced as cheaply as possible to households: wellbeing the goal
- ▶ Run by civil engineers committed to optimal planned outcomes
- ▶ Integrated monopoly with non-profit objectives

## Since 1984

- ▶ A commodity allegedly like any other supplied by corporates
- ▶ Priced to recover the full cost of the marginal generator plus the monopoly price for each lines-network operator plus a fat margin for dominant retailers
- ▶ Run by corporate managers and financial engineers maximising profit and “shareholder value”
- ▶ Multiple players in a complicated institutional landscape of some [allegedly] “competitive” and some [allegedly] “regulated” markets

A slide by **Dr. Geoff Bertram** in a presentation to the ESR – Institute of Environmental Science and Research, 20 August 2020

<https://geoffbertram.com/wp-content/uploads/2021/12/esr-presentation-19-august-2020.pdf>

## Generating Scarcity

A 2022 report co-authored by FIRST Union, NZCTU, and 350 Aotearoa

*“From 2014 to 2021 [gentailers]... have collectively paid out **\$3.7 billion more in dividends** to their shareholders than they have earned in profits...”*

Edward Miller, FIRST Union.

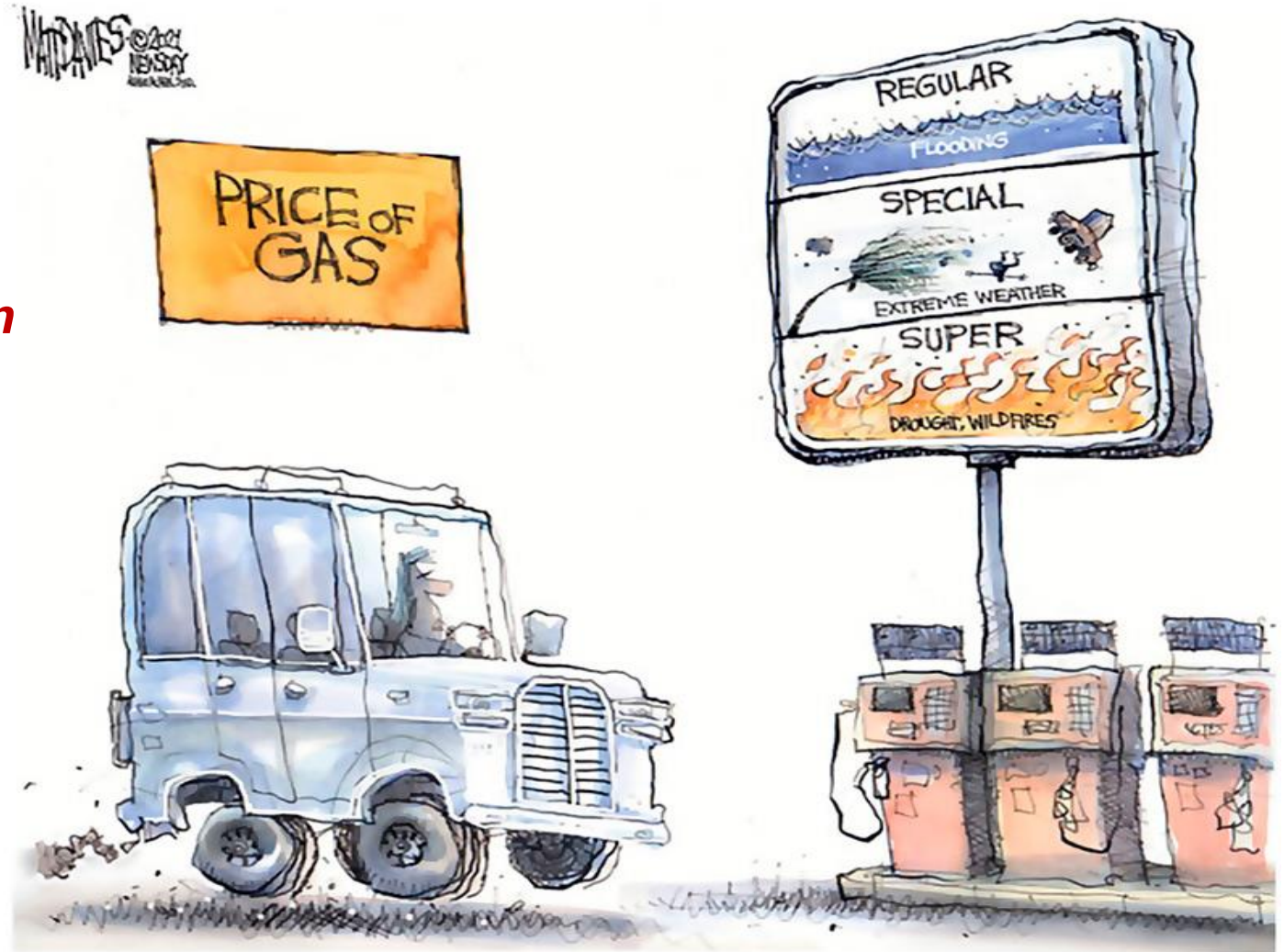
<https://union.org.nz/generating-scarcity/>

Watch David Keat's presentation  
**‘Transitioning to a Secure Energy Future**, 10 Oct 2024

<https://www.youtube.com/watch?v=1PNeWj-RBr4&t=2561s>

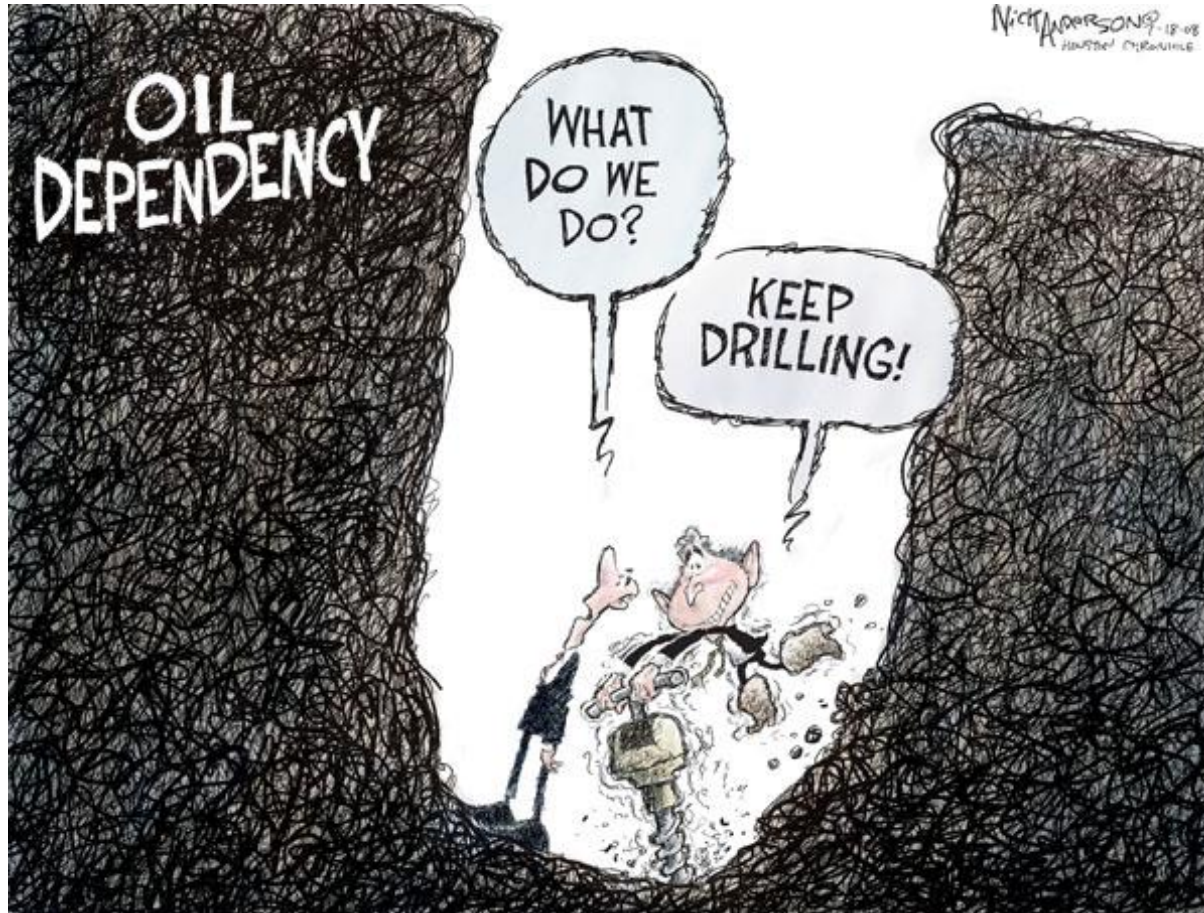
Presently, there is an additional **4.625 GW of onshore wind generation projects** in various investigation, planning and consenting stages...

<https://www.windenergy.org.nz/onshore-wind/onshore-windfarm-pipeline/>



<https://climatesafety.info/bookmarks/cartoons-about-climate/>





[https://www.cartoonistgroup.com/properties/anderson/art\\_images/and1080718\\_lr.jpg](https://www.cartoonistgroup.com/properties/anderson/art_images/and1080718_lr.jpg)

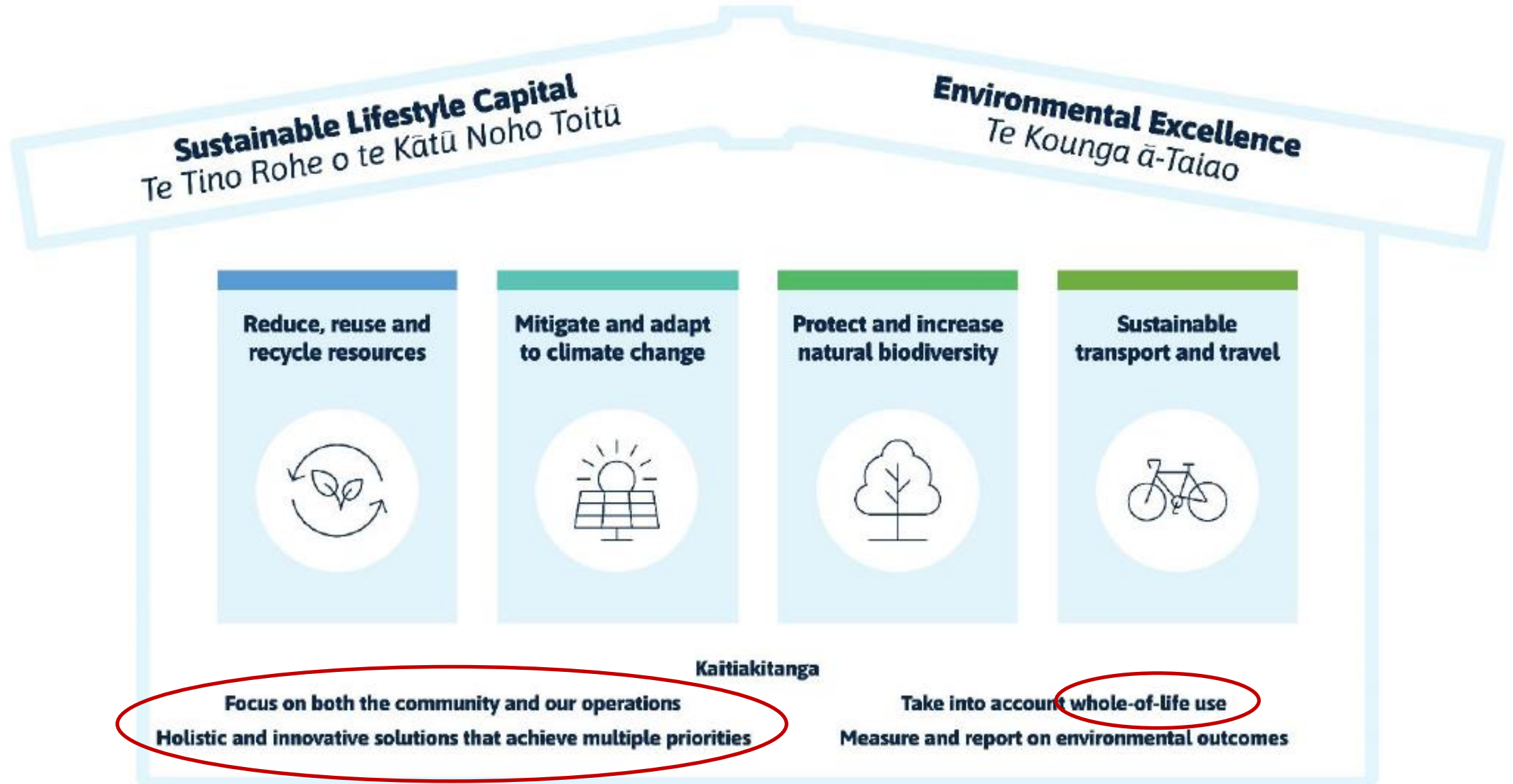
***“I am angry because we are on the verge of the **climate abyss**, and I don’t see enough **urgency** or **political will** to address the emergency,”***

***UN chief António Guterres  
at COP29, 14/11/2024***

<https://news.un.org/en/story/2024/11/1156996>

# NPDC Environmental Sustainability Policy, 5 Nov 2024

*Diagram: High-level summary of the Policy's pou and principles*






# What can Council do?

## Wastewater

- NP Wastewater Treatment Plant – **biogas and floatovoltaic** much better than burning hydrogen
- Promote and incentivise **waterless toilets** & other more sustainable solutions
- Harness **waste heat**

### The neglected clean heat we flush down the drains

4 January 2024

Share  Save 

Anna Turns  
Features correspondent

<https://www.bbc.com/future/article/20240103-sewage-a-low-cost-low-carbon-way-to-warm-homes>

Residents in the 6,210 apartments in the False Creek neighbourhood (Canada) get their heat from renewable energy sources, with sewage heat being the largest contributor.

ADVERTISEMENT

### e.g. Rosedale Wastewater Treatment Plant, Auckland

The floating solar array generates 1,040 kilowatts of electricity and reduces 145 tonnes of carbon dioxide annually. It also saves NZ\$4.5 million in electricity costs per year. The electricity it generates, alongside biogas co-generation, meets 25% of the plant's energy needs.



<https://theconversation.com/from-waste-to-power-how-floating-solar-panels-on-wastewater-ponds-could-help-solve-nzs-electricity-security-crisis-237455>



# What can Council do?

## Food & green wastes

- **Regional organics processing facility**
- **Fund & support local Community Composting Initiatives** and more waste minimisation, kai rescue & community gardens.

<https://thespinoff.co.nz/business/14-04-2023/why-our-food-scrap-are-being-driven-hundreds-of-kilometres-out-of-town>



<https://sustainablekaipara.org/what-we-do/compost/community-compost-collection-service/>

<https://www.sustainabletaranaki.org.nz/events/marfell-community-garden-working-bee>



# What can Council do?

## Homes & Businesses



### What we provide

- in-home assessments for your existing dwelling - advising options to ensure a warmer, drier, healthier and more sustainable home
- assistance for planned new builds and renovation projects - assessing plans and advising options to ensure the desired performance levels are achieved.



### Who can access the service

- owner-occupiers seeking to improve the quality of their home
- landlords looking to improve the quality of their properties for their tenants.

<https://www.npdc.govt.nz/communitaa/aaaay/a-greener-district/eco-design/>

- Promote and expand **Sustainable Home Assessment** service
- Reinststate and expand the scope of **Home Energy / Sustainable Homes Voluntary Targeted Rate Scheme**

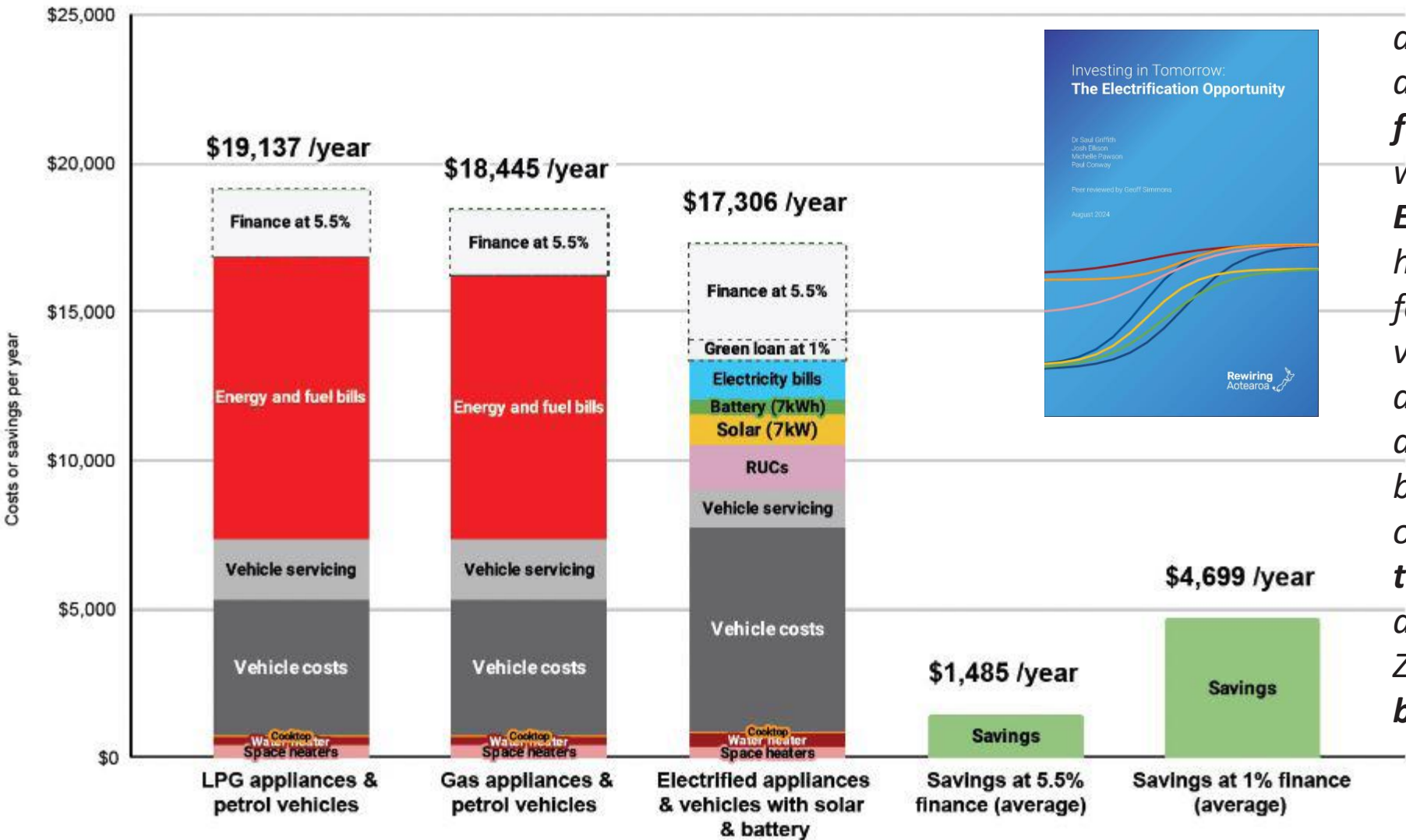
*“Andrew Eagles of the Green Building Council said it was a shame households were not being helped to **switch off gas**, when some companies were having to lay off staff because there was not enough.*

*... households did not need gas - especially when burning gas indoors had been linked with serious **health** impacts.”*

<https://www.rnz.co.nz/news/environment/534807/gas-supply-shrinkage-sparks-fears-of-suburban-shortages>

# New Zealand | Gas/LPG and petrol home versus electrified home, annualised.

Sources: Rewiring Aotearoa Analysis, Residential Baseline Study 2021, EECA Energy End Use Database, MBIE Energy Prices 2023, 15 year lifetime and finance term, Average home is 2.8 people and 1.8 vehicles.



*“New Zealand households and businesses spend around **\$20 billion on fossil fuels** every year, most of which are imported. **Electrifying New Zealand** households by replacing fossil fuel appliances and vehicles with electric alternatives, along with adding rooftop solar and batteries, presents an opportunity to **save thousands on cost of living**, and could save New Zealand around **\$10.7 billion per year by 2040.**”*

<https://www.rewiring.nz/tomorrow>

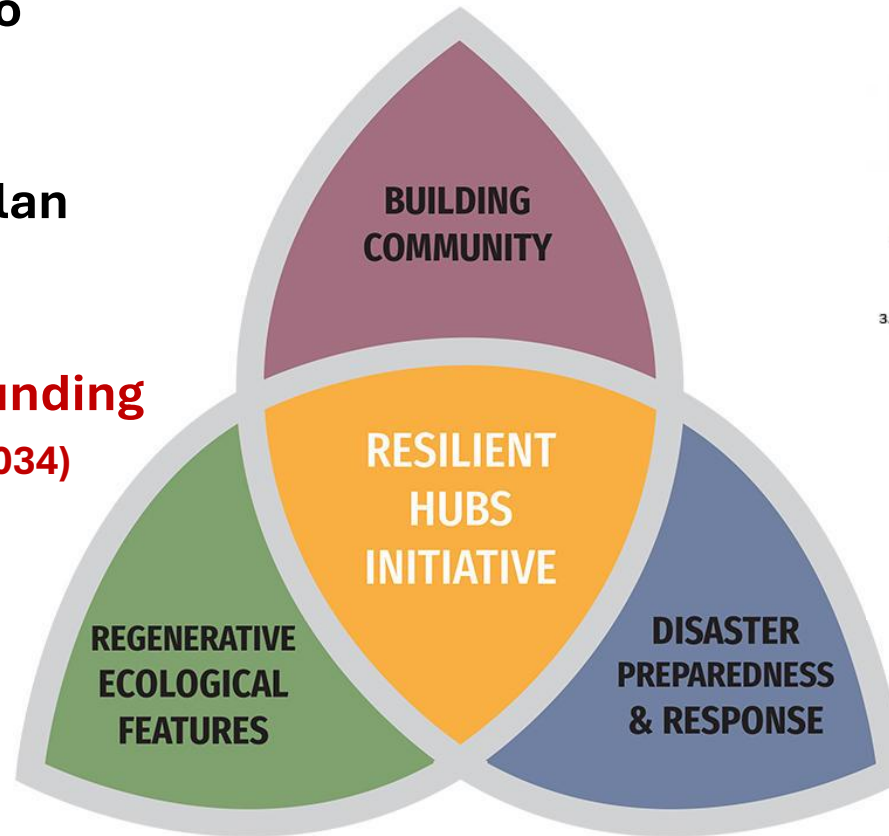
<https://www.rewiring.nz/electrification-guides/get-started>



# What can Council do?

## Community Wellbeing, Resilience & Adaptation

- Planting our place and Low/No mowing for Biodiversity
- Climate Change Adaptation Plan development
- **Community Climate Action Funding Scheme (\$100,000 pa in LTP 2024-2034)**
- Foster resilient hubs
- Support community energy & shared EV initiatives
- Explore citizen assembly



<https://norcalresilience.org/resilient-hub-initiative/>

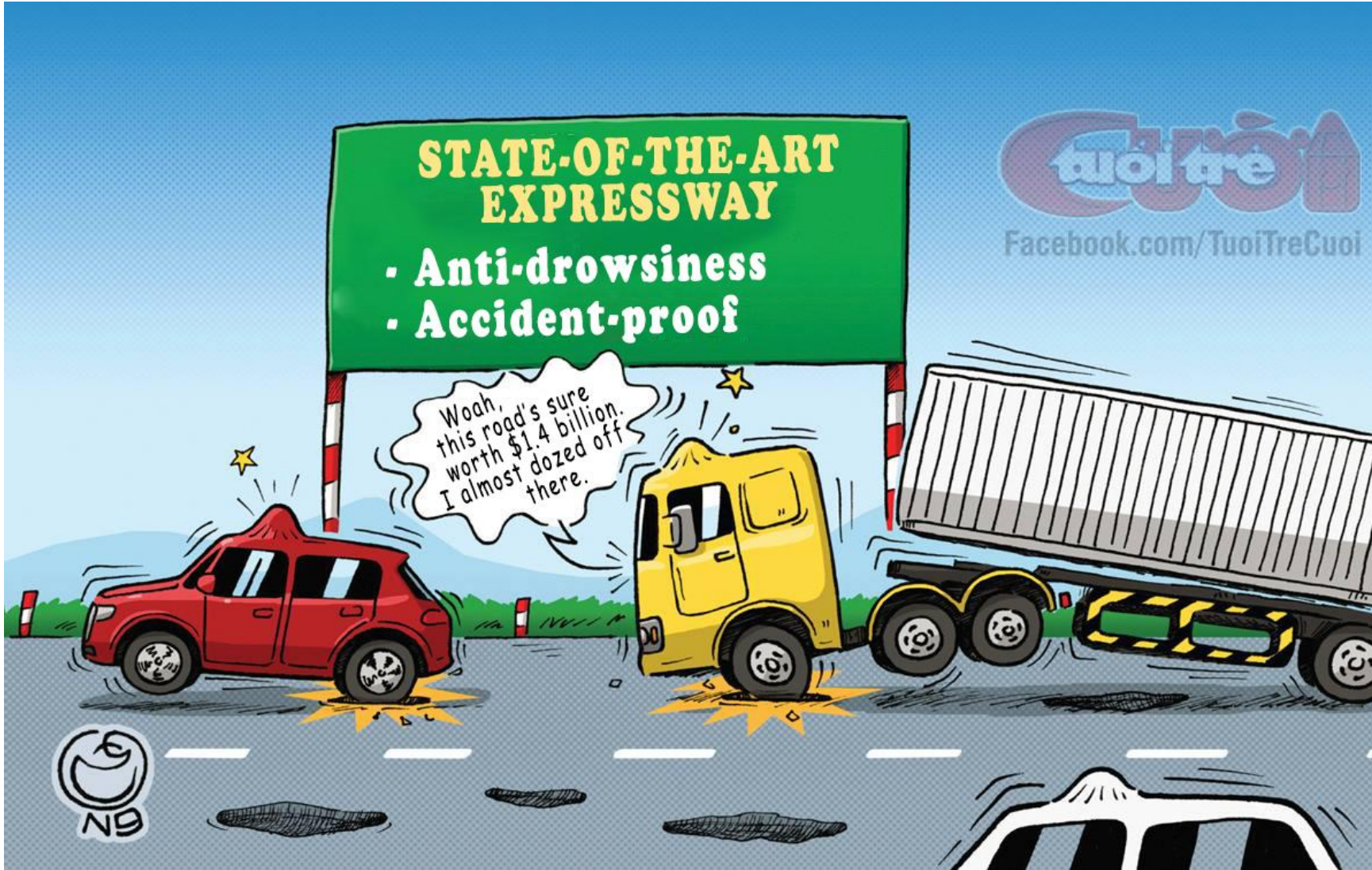


<https://renewablealburywodonga.com.au/projects/wodonga-project/>

<https://www.communityenergy.org.nz/energise-otaki-solar-farm/>

<https://www.ourenergy.co.nz/our-story>

<https://www.powerco.co.nz/news/media/emergency-power-generation-to-boost-community-resilience>



<https://tuoitrenews.vn/news/fun/20181102/cartoon-reason-behind-vietnam-s-potholeriddled-expressway/47515.html>

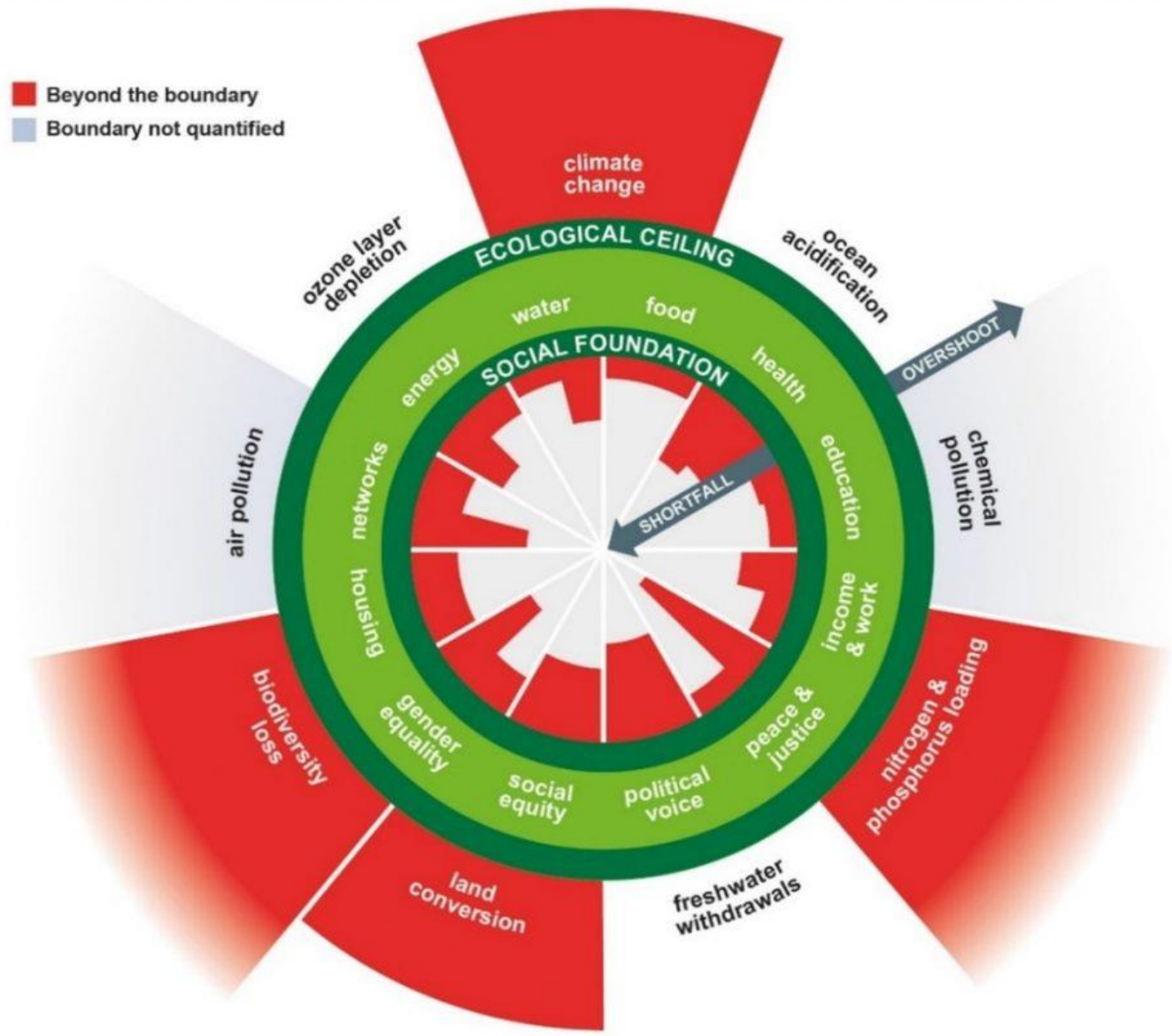
*“Transport is estimated to account for approximately 22% of the district’s emissions (based on an estimate of 2017/18).*

*The reduction in funding for the Walking and Cycling Activity Class and the Local Road Improvements (which includes Public Transport Services) may impact on the ability of NPDC to support the reduction of these emissions over the next three years.”*

NPDC SWP meeting agenda  
27/11/2024 on National Land  
Transport Programme 2024-27 –  
Shortfall in Funding and  
Implications



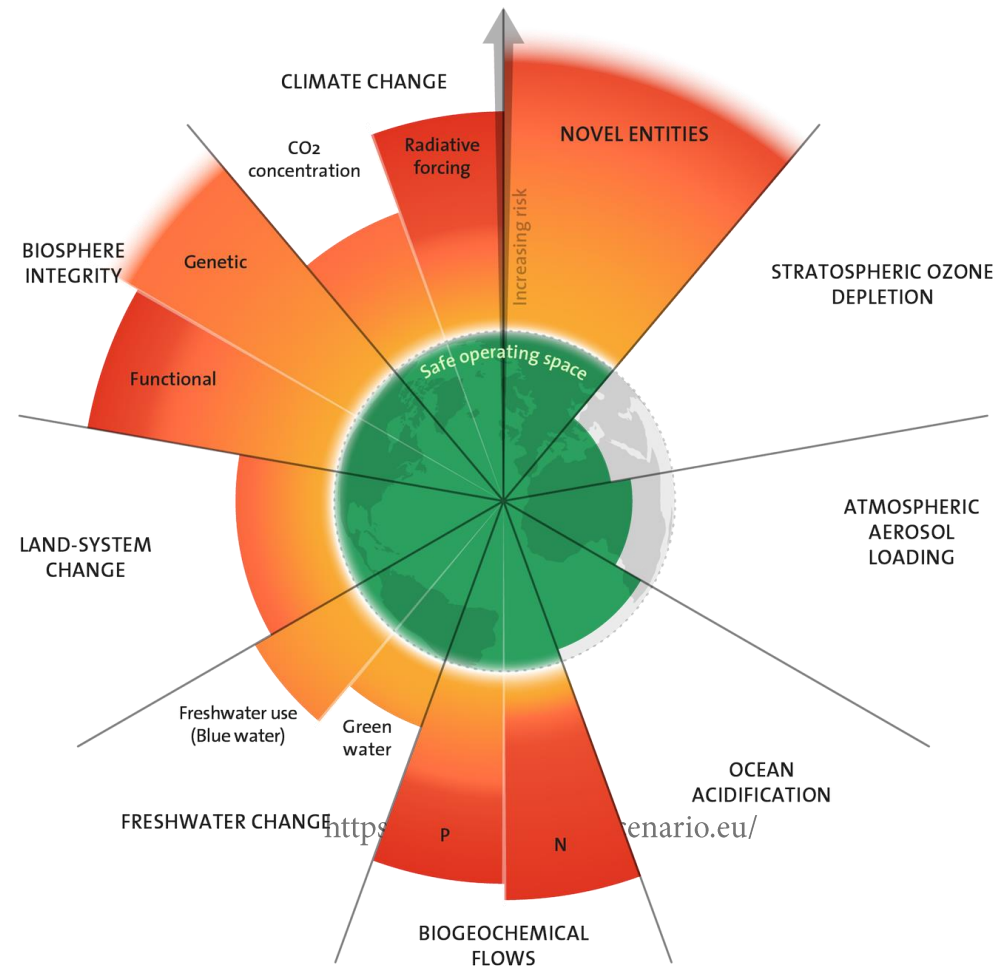
Kate Raworth (2017) the Doughnut of Social and Planetary Boundaries



<https://www.resourcefutures.co.uk/doughnuts-and-selfies-why-accessible-language-is-key-to-the-circular-economy/>

Planetary Boundaries 2023

9 boundaries assessed, 6 crossed



<https://www.stockholmresilience.org/research/planetary-boundaries.html>

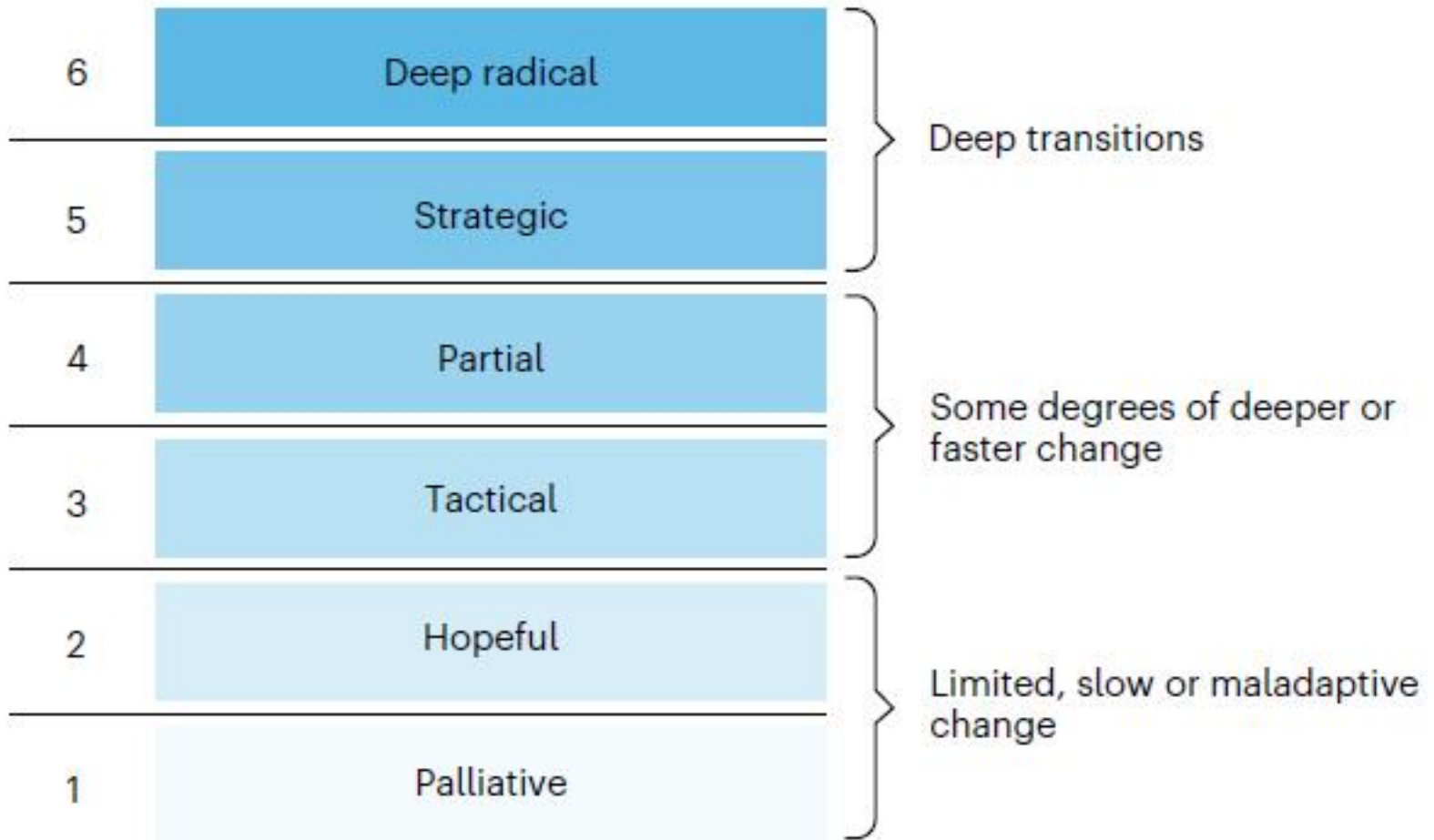
## Radical interventions

*“Meaningful climate action requires interventions that are **preventative, effective and systemic**—interventions that are radical rather than conventional... those that ultimately address **the root causes** of climate change along structurally **transformative and systemic** pathways...*

*The root drivers are... capitalism and materialism, asymmetrical power relations and lock-in of exploitative and extractive systems.”*

Morrison, et al. 2022

<https://www.nature.com/articles/s41558-022-01542-y>



**Fig. 2 | Different types of radical climate intervention.** Debates about radical intervention invoke at least six different interpretations of ‘radical’. These different interpretations can be viewed as a typology, with each type reflecting the extent to which the intervention disrupts the status quo to address the root drivers of climate change.



**Planned DEGROWTH** and post-growth policies organize economies around principles of **equity** and **sufficiency** rather than GDP. These help to restore the doughnut we all desire.

**SUFFICIENCY** means redesigning infrastructures and practices to **minimise collective and individual demand** (energy, materials, land, water and other natural resources) while delivering **well-being for all within planetary boundaries**.

<https://clever-energy-scenario.eu/>



What Doughnut Economics Can Learn From History | Roman Krznaric & Kate Raworth <https://www.youtube.com/watch?v=FfUOs4ZJ1wM>

Over 80 cities and other places are exploring or adopting doughnut economic approaches  
E.g. Amsterdam, Glasgow, Wellington, Dunedin

<https://doughnuteconomics.org/themes/cities-regions>

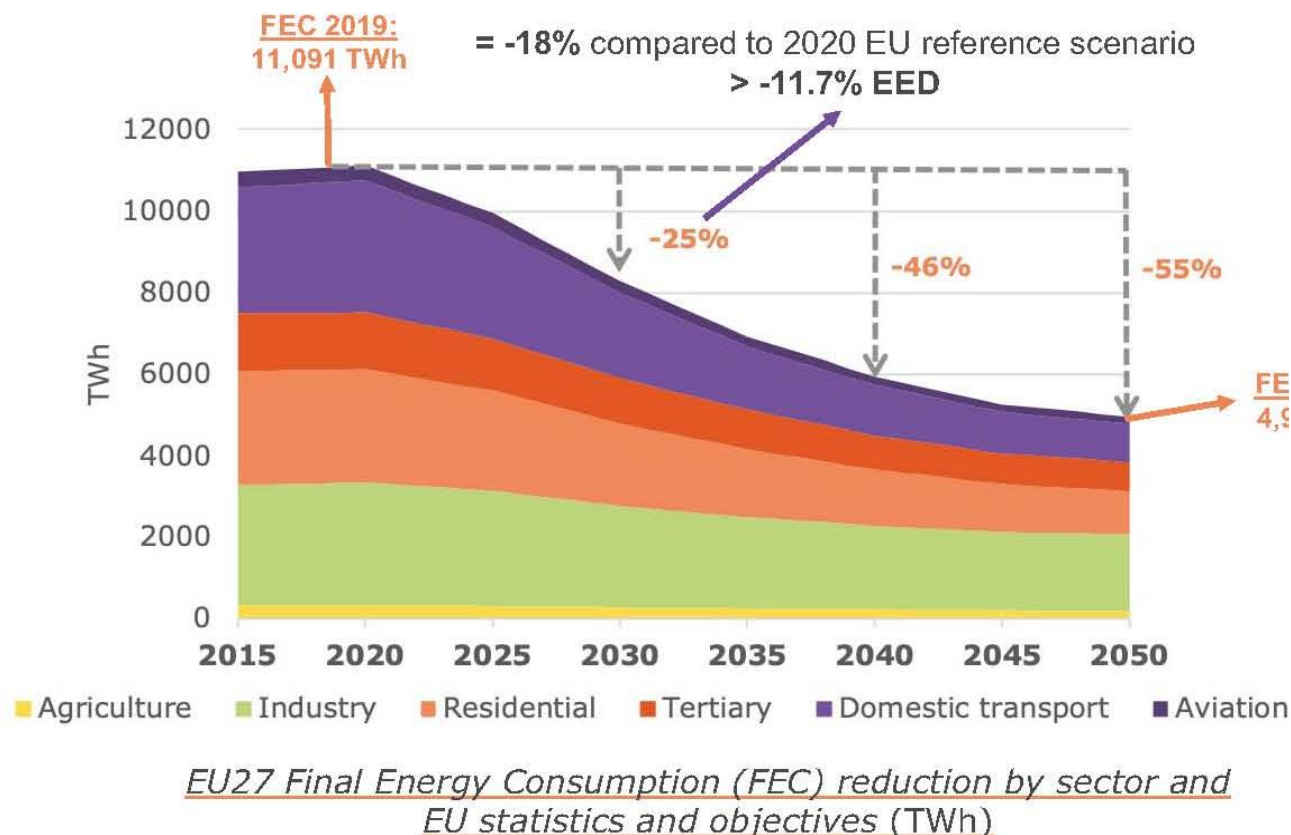
## NPDC Sustainability Acceleration Fund (high score)

- **Reduces 2 or 3 of energy, water or material use**
- Reuses most materials
- Significant reduction in energy, water or material
- Incorporates **circular design** principles that designs out waste
- Involves using reused, recycled or renewable materials

<https://www.npdc.govt.nz/media/vwyj4uxt/swp-agenda-27-november-2024.pdf>

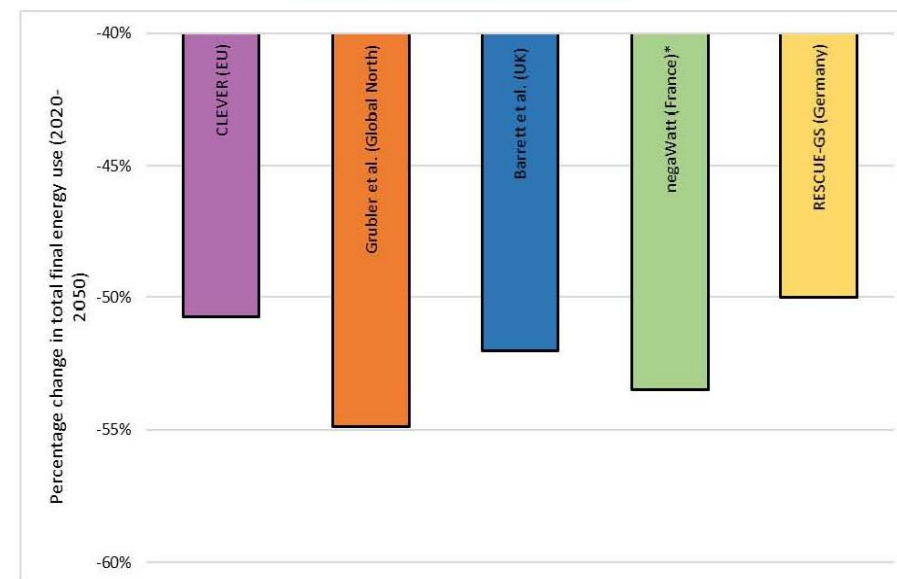
# CLEVER - A Collaborative Low Energy Vision for the European Region

## Europe can reduce its energy demand by 55% by 2050



**-55% is in line with other major demand-focused scenarios reductions**

*Energy demand reduction (2020 to 2050) in scenarios pursuing low energy demand*



- Official EU ambition for 2030 may fall short of setting Europe on a 1.5°C-compatible pathway
- Need for very **ambitious sectoral** and **national implementation**



# Environment and Economics: A marriage of (in)convenience?

## The Business Edition

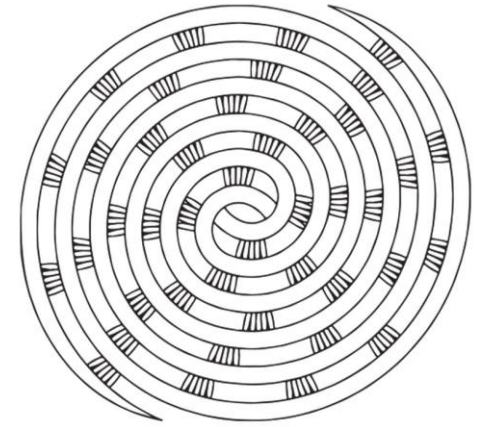
*“You can’t ignore **climate change**. It will impact on your business one way or the other. Either the world will rapidly reduce emissions – which will hurt some sectors a lot or we will face a very different climate – which will hurt everyone. Either way, **global value chains are vulnerable**. We don’t make global trade rules, and we can’t control the weather.*

*The same is true for other environmental pressures **like water quality and waste**. This makes it very unlikely that the physical environment we once took for granted is going to resemble the one our grandchildren inherit. Stuff that we thought we understood is going to become **unpredictable**. And that will be costly.”*

Simon Upton, Parliamentary Commissioner for the Environment at  
Chapter Zero NZ, 8/11/24

<https://pce.parliament.nz/our-work/news/address-at-chapter-zero-new-zealand/>

As humanity spirals into uncertain territories,  
let our collective wisdom, learnings and  
humility reveal new imperatives.



<https://wero.ac.nz/>

**GROW RESILIENT COMMUNITIES** not climate crises  
**GROW COMMUNITY WELLBEING** not greed  
**GROW RURAL COMMUNITIES** not emigration  
**GROW LOCAL MARKETS** not global trade  
**GROW QUALITY FOOD** not export commodities  
**GROW LOCAL MANUFACTURING** not import reliance  
**GROW PAKAINGA** not prisons

<https://climatejusticetaranaki.info/>

## **Toitū Taranaki 2030**

**A Community Powered  
Strategy for a Fast and Just  
Carbon Neutral Transition**



Written by Climate Justice Taranaki, with contribution from members of several Taranaki community groups and unions. Published March 2021.  
We reserve the right to change our views and opinions expressed in this document.