

Submission on *Process Heat in New Zealand: Opportunities and barriers to lowering emissions*.

Tēna koe,

We have reached a sad state when the effort necessary to extract oil from the ground, ship it to a refinery, turn it into plastic, shape it appropriately, truck it to a store, sell it, buy it, bring it home, use it and throw it out is considered to be 'efficient'.

The same goes for coal, gas and process heat. More sustainable options are available, and yet we allow companies and organisations to burn our natural resources, significantly contributing to climate change in the process and literally burning our future.

The main cause of rising emissions is carbon dioxide from the burning of fossil fuels – coal, oil and natural gas. Even today companies like Fonterra burn coal to make milk powder. Companies who use coal or gas in their existing plants should be motivated by legislation and taxation to build new plant that is renewably fuelled. Anything else wastes our time.

I would like to see a mandatory carbon price of at least \$50/tonne introduced, which is raised at regular and pre-announced intervals to reach \$100 within five years to drive the urgent and significant emissions reductions that must be made.

Government, as our leaders, need to put legislative and regulatory changes in place to ensure that as existing heat plant reaches the end of its economic life, it is replaced by heat plant that is powered from renewable energy sources and NOT not fuelled by fossil fuels.

I also wish for allowances to be made that companies do not shirk this obligation by continuing to run their existing fossil fuel powered heat plants beyond the end of its economic life. For that plant with an economic life that extends past 2030, Government should put in place legislative and economic measures to ensure that this plant is replaced by heat plant that is powered by renewable energy sources.

Finally, power needs to be sought from genuinely renewable sources; new fuel options like Hydrogen should **not** be derived from fossil fuels; otherwise no progress is made.

I despair that decades have been wasted and that climate change has been allowed to progress to this point. I have been concerned about it since I was a teenager, and grew up trying to be as eco-friendly as possible, and yet companies have been allowed to continue a destructive, profit driven path. We need to stop greenwashing and place heavy responsibility on the companies who have lead us here, just as I place heavy responsibility on you, our Government to lead and do tmake a sustainable, planet-saving change.

Yours,



Juliet Galuszka