

## Submission regarding Process heat legislation in NZ

9(2)(a)

On behalf of my friends and family, please hear our concern that we urgently need to stop using fossil fuels in commercial applications wherever possible. It does not make sense to allow this kind of pollution, those who are making so much money from industry must be encouraged to invest in clean alternatives and be banned from using so much polluting fuels to make export products. Alternative energy sources exist and government should encourage and mandate that these be used. Our planet needs us to act now! We need government to step in and give us a chance at a future where we can still live here on earth, the time is now.

### **Q4: Does the NZ ETS provide an incentive to significantly reduce emissions beyond current levels for business who receive industrial allocation?**

No. A carbon price of at least \$50/tonne, raised at regular and pre-announced intervals to reach \$100 within a couple of years, is needed to drive such significant emissions reductions. If carbon prices of this magnitude are to be accepted, the revenue needs to be paid back to the people on an equal per capita basis.

### **Q17: What does your organisation consider are the largest barriers to the electrification of its production?**

New developments should only be allowed with 100% renewable energy sources, with incentive and mandates to ensure non polluting energy sources are prioritised.

### **Q21: What does your organisation consider to be the largest barrier(s) to the use of biomass for supplying heat?**

Lack of knowledge and expertise, industry standards that do not consider the environment. Consultants who specialise in clean green energy alternatives would greatly help the transition.

### **Q27: Has your organisation identified any other barriers to, or co-benefits from, the direct use of geothermal heat that we have not included above?**

Although geothermal energy is not a fossil energy source, exploiting geothermal energy sources does result in CO2 production. While these are substantially less than from the burning of fossil fuels, this means that renewable energy sources should still be preferred to geothermal energy.