

**BEFORE ENVIRONMENT CANTERBURY
AND WAIMATE DISTRICT COUNCIL**

Under the

Resource Management Act 1991

In the Matter of

Fonterra Cooperative Group Limited
Resource Consent Applications for the
Studholme Milk Factory Expansion

**HEARING ORAL EVIDENCE TO ACCOMPANY POWER POINT PRESENTATION
FOR THE WISE RESPONSE SOCIETY INC.**

CHRISTOPHER (BOB) LLOYD

12 April 2016

Why am I here today? Bob Lloyd

1. The CO₂ level in the atmosphere is rising and so is the earth's temperature, we are now at 1 degree above pre industrial average. The North Pole was above freezing this winter. Both January and February were the hottest on record. Cyclones are hitting the Pacific at increasing frequency, methane emitting sink holes are developing in Siberia. The Great Barrier Reef in Australia is in its death throes. The worst case predictions of global warming are coming true. I was in Fiji during cyclone Winston starting on the Fiji GHG inventory report to the UN.
2. The latest IPCC meeting in Paris has now set an indicative target of 1.5 degrees warming. It is difficult to find any analysis of what needs to be done to stay below 1.5 degrees as most of the world's scientists and modellers had already dismissed this option. There is only one scenario in the IPCC AR5 documents that manages to keep us below 2 degrees and that is only with CCS starting in 2070 and continuing out to 2300. What a joke that we are to commit around 15 generations of our decedents to capture our carbon out of the atmosphere. At Copenhagen it was agreed that once the 2 degree limit is passed there may be no stopping further rises. Positive feedback effects kick in and it just keeps rising.
3. My models, as I will show, suggest that we have to decrease all fossil fuel consumption to zero by around 2045 to stay below 2 degrees warming. To keep below 1.5 degrees with any decent probability my guess is that all fossil fuel emissions will have to go to zero by around 2030.
4. It is with this background that the client Fonterra are proposing to put in a predominantly coal fired milk powder drying plant. The proposal notes that Fonterra considers such matters (the likely demise of civilisation) ultimately irrelevant to the present determination as the wider climate change effects of burning fossil fuels (coal in this instance) is expressly prohibited under the RMA. This is a joke a legal blasphemy and a logical inconsistency. The RMA has as its core the protection of the environment as has Environment Canterbury.
5. The emission of carbon dioxide causes a greenhouse effect and the average global temperature to rise. The rise in temperature causes a vast array of environmental effects from sea level rise to droughts, agricultural problems, changes in disease transmission etc. The latest AR5 reports give much more detail on the effects than I have time to go into here. Emissions cause environmental effects full stop.
6. As suggested by the applicant the RMA provides that while decision makers must have particular regard to the effects of climate change ON an activity, they cannot have regard to the effect of an activity on climate change (except in narrow circumstances which are not applicable here). The world on is highlighted.
7. Let's start again CO₂ emissions from fossil fuels cause the earth's temperature to rise, the temperature rise causes environmental effects on the earth, on almost every activity on earth. There is no narrow circumstance here it is plain logical reasoning. If the RMA proposed that mathematically 2 + 2 must equal 5 we would suggest that the RMA was faulty but here we have an equally stupid logical inconsistency that must suggest that common-sense override the legal error.

8. There is literally no time to consider any alternative but an urgent transition from fossil fuels if we are to keep our environment intact.
9. But again we are exhorted to require local authorities not to consider the effects on climate change of discharges into air of greenhouse gases”
10. So let’s dispense with the words climate change and look at the effects of discharges into air of greenhouse gases causing the greenhouse effect which will cause a severe deleterious effect on the environment on and on and on. In such extreme circumstances Fonterra cannot argue that there is no room for debate, the physics of the atmosphere does not recognise fallacious human written legal documents, and the temperature rise will just keep on going on and on and on.
11. Ok let’s get down to it.