

Submission on process heat

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I wish to make two points:

1. Having a realistic price of carbon would help shift decision making in a sustainable direction. It should be at least double the current price and ideally around the \$100 mark. This would also help shift behaviour in other areas of the economy such as transport.
2. In some industries the whole production chain needs to be considered. An important example is the infant formula industry, especially in the South Island. The raw material, milk, is produced in a significantly damaging way. Issues include use of water, overuse of nitrogen, and the methane production by the cows themselves. The liquid milk is then dried primarily using coal. Finally, the product is marketed overseas, but mainly in Asia, where it is undermining the more environmentally and child friendly option of breastfeeding. For a discussion of this chain see <https://www.nzma.org.nz/journal/read-the-journal/all-issues/2010-2019/2013/vol-126-no-1386/galtry> . Switching to a better process heat only takes out one part of the problematic industry.