

**Submission  
No 1**

**INQUIRY INTO DEVELOPMENT OF A HYDROGEN  
INDUSTRY IN NEW SOUTH WALES**

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I would like to make a submission to this inquiry with regards to the terms of reference.

This enquiry is a great initiative and I applaud that it is taking place. However, I have some serious concerns about the terms of reference.

I, like most Australians I believe, associate hydrogen production as a green technology, one possible way to reduce our greenhouse emissions and, in the longer term, reduce the impacts of climate change from burning fossil fuels. I am extremely concerned about climate change effects on the future of our planet and also by the lack adequate response to this by the NSW government.

The terms of reference of this inquiry have no mention of climate change, nor do they have any mention of any plus/minus effects of producing and using hydrogen in our economy both in NSW and world wide. Green hydrogen should be a benefit to reducing greenhouse gas emissions but, as recent research shows, everything we do has consequences and we need to be aware of these and take actions where needed. See:

[https://ec.europa.eu/environment/integration/research/newsalert/pdf/39na1\\_en.pdf](https://ec.europa.eu/environment/integration/research/newsalert/pdf/39na1_en.pdf)

Given the extensive research showing we must reduce to net zero carbon emissions by 2050 (at the latest), this omission of references to climate change impacts and gains are a glaring omission that needs to be addressed.

In addition, the terms of reference seem to already be zeroed in on storing and transporting hydrogen as a compressed gas. The CSIRO has recently provided some very good research around this. <https://www.csiro.au/en/Do-business/Hydrogen-Technology-Filter-Landing?k=storage&c=Storage%20-%20Chemical%20storage>. I urge the committee to take this into consideration.

Yours sincerely,  
Michael Faulkner