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**From:** Inquiry into Unconventional Gas POV eSubmission Form  
<cso@parliament.vic.gov.au>  
**Sent:** Friday, 10 July 2015 3:40 PM  
**To:** EPC  
**Subject:** New Submission to Inquiry into Unconventional Gas in Victoria.

[REDACTED] [REDACTED]

Inquiry Name: Inquiry into Unconventional Gas in Victoria.

Mr Rick Molloy  
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**SUBMISSION CONTENT:**

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The Chairperson  
Environment and Planning Committee

Dear Sir,

I am writing as a concerned resident of the State of Victoria. I graduated from Melbourne University with majors in Pure Maths and Chemistry. I was a secondary teacher for 13 years with a range of positions and responsibilities including; Science Coordinator, Vocational Studies Coordinator, Coordinator of Flemington Education Program for Unemployed Youth, Founding Teacher of Kensington Community High School, Welfare Teacher Tottenham Tech. I have a been a builder for 28 years and do the design, drawings, and obtain relevant permits as well as construct my building projects.

I wish to address items 2 and 3 in the terms of reference.

In my experience, a complex issue needs to be taken back to First Principles. Those principles then need to be prioritised.

In the case of unconventional gas the First Principles are in my opinion; Conservation, Efficiency and Cost/Benefit Analysis.

Conservation

Is the principle that over rides all others. We must not unnecessarily harm the environment either local or global for present or future generations.

Efficiency

We must use resources in the most efficient way. The environment should not be damaged. Waste should be

minimal and contained.

### Cost/Benefit Analysis

This must be done using the 3 elements of sustainability - the economy, human health and welfare and the environment.

From my scientific and environmental knowledge and experience, it is my opinion that, Unconventional Gas performs very poorly under these 3 Principles and should have its moratorium extended indefinitely.

The Costs far outweigh the benefits when the first 2 important Principles are considered.

Briefly here is my list of costs and benefits.

### Costs

- Long term chemical pollution of ground water and waterways
- Long term human and animal illness and disease
- Long term loss of use of adjacent land for residential or farming purposes
- Long term methane pollution of the atmosphere. Methane leaks are substantial in volume in any CSG activity. Also methane is a 20 times stronger greenhouse gas than carbon dioxide. Global warming will cause catastrophic climate change if we do not act immediately to change to a carbon free energy production.

### Benefits

- Short term profits for International and Australian Companies.
- Very short term creation of jobs in the construction phase.
- Short term benefit of taxes paid on profits.

In conclusion, I would like to add that in my opinion that carbon fuel technologies are the technologies of the past. The third economic revolution is with us (Industrial revolution, IT revolution, and now the carbon free revolution). Not only do fossil fuels pollute the planet for future generations but those who refuse to change will be left behind and will miss out on the economic benefits of the new carbon free industries.

Yours Faithfully

Rick Molloy

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File1:

File2:

File3: