

## Submission template

Date submitted: Jul 20, 2021, 10:58 AM

Name: [REDACTED]

Stakeholder group/interest: Citizen

### **Q1. Do you have any further information, evidence, or concerns that you wish to raise in relation to the scenario design and analysis?**

The only valid long term use for hydrogen is in manufacturing green steel. If hydrogen is to be produced in Victoria, that is the only valid use case. The rest is an expensive fantasy for the fossil fuel cartel to maintain it's stranglehold on national governments.

The global export market for hydrogen today is 0kg. It's made up nonsense and always will be.

### **Q2. Do you have any further information or evidence that can help identify an optimum scenario for a net zero emissions gas sector in 2050?**

We do not need to waste time and money on hydrogen or CCS. We just had the only CCS facility in Australia admit it doesn't work. Just like the global one that emitted far more pollution from its dedicated power plant than it captured.

We need 100% electric as soon as possible in a distributed production grid.

### **Q3. What policies and/or regulations, if any, are needed to support the development of low carbon pathways such as biogas, green hydrogen, and carbon capture and storage?**

We need to ban any production of hydrogen from fossil fuels. Ban any CCS that involves fossil fuel consumption of any kind.

Planting trees and feeding plankton remain the lowest cost and highest benefit approaches. Stopping all logging outside plantations is the next important step.

### **Q4. What is your view on the best ways to maintain the reliability and affordability of Victoria's gas supply if natural gas use declines?**

We should do nothing about affordability. We should have carbon pricing to drive the price up and use the funds to pay for the transition.

Low income families can be separately supported to transition to avoid gas costs.

### **Q5. What else can you tell us about the implications of decarbonisation pathways for the electricity generation, transmission and distribution networks?**

Australia and Victoria needs to upgrade transmission and distribution systems to properly supported a distributed, hybrid generation grid. We need more HVDC cables linking us to the national grid as well as supporting more wind and solar deployments in regional Victoria. We should be supporting a HVDC connection to Coopers Basin to make Geothermal generation viable.

### **Q6. How can the use of Victoria's existing gas infrastructure be optimised during the transition to net zero emissions, over the short (10 years), medium (20 years) and long-term (30+ years)? How can the Victorian Government assist in this?**

We should stop connecting new houses and buildings to gas and start providing much more encouragement to go all-electric. Focus should be on residential housing first, then commercial properties, then industry.

In 20 years, only industry should be consuming in volume, residential should be past 95% and commercial should be past 80%. Industry should be reaching 50%

**Q7. What principles should apply or what measures will be needed to manage the impacts of gas decarbonisation on households and businesses?**

Carbon pricing to make it more expensive to do nothing. Increase carbon price every year.

All support should go to helping low income families transition first, then all residential, then commercial properties, then industry.

**Q8. What policies, programs and/or regulations should the Victorian Government consider or expand to encourage households, commercial buildings and small businesses to reduce their gas use?**

Encourage transition for residential and commercial properties, not reduction.

Encourage reduction, then transition for industry - forcing them to show their transition plans or face further levies.

**Q9. What policies, regulations or other support, if any, do you think are needed to support industrial users to switch from natural gas to lower emissions energy sources or chemical feedstocks?**

Encourage transition to large scale renewable energy generation instead. Industry should be made responsible for producing 50% of their own energy by 2035 and switch to electric solutions generally.

They need to be shown the stick to receive the carrot of lower electricity costs.

**How would you like your submission treated?**

Published, but my name removed