

## Submission template

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**Stakeholder group/interest:** Consumer

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

The analysis is well written but the scenarios are not in accordance with the trajectory for renewables and investments in offshore wind, large batteries etc. If it is clarity that we want to provide to the public then the message is clear 'electrify everything' and use 100% renewable energy - this is what the public wants to hear. If gas (methane) and other fuels are to play a role it is going to be at the periphery (circa 5%), with some biogas at distributed meat works and waste water treatment plants. Even wood burning will go as the base heat for rural homes. IV should not be pressed to muddying the waters. Better insulated homes, healthier heating through electricity, cars as batteries... please make it clear where we are headed and don't pander to an industry that has no future... outline the transition.

### **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?**

Electrify everything. Gas is a goner. Optimum scenario is we get people off gas as quickly as possible e.g. ACT. This will likely take ten to fifteen years... noting that we should be going for zero-net emissions by 2035 and 2040 is into drawdown.

### **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?**

Stop funding or even thinking about this stuff. We are awash with renewable power. Let WA do the work on hydrogen exports to places where there is a dearth of power. Victoria should be all-electric and lowest cost power enabling a high-quality lifestyle in a zero emissions economy. IV should be genuine that CCS is the flying birdman rally of energy - entertaining but not going to fly.

### **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?**

The best plan is to plan the phase out. Support the mass installation of the replacement tech... all electric homes including rentals by 2030, all electric industry by 2035. If gas prices spike in the short term then all the better to get people off gas. There is no skirting around it.

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

The networks will be fine, we just need the new renewable energy zones, interconnectors, an offshore wind sector, and support for electrification. For example, all stimulus money should be channelled to rebates and loans for electrification for households. The Vic Gov is just not good at being clear and consistent. We have zero emission target, this requires a massive transition, but not at the lifestyle level... you just have to use 100% renewable electricity. Development Victoria should take the lead in building all electric housing developments... no brainer... but even they don't know which way to jump. I have a three bedroom house, all electric, and all new, my daily consumption is about 4kwh... Electricity via heat pumps is at least twice as efficient as anything and healthier... hydrogen bombs in homes... what a bad idea.

**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?**

10 - Optimise it by new planning rules... no more gas connections allowed. Disconnection encouraged by clear community education and incentives for electrification. Houses when sold must be upgraded to all electric. 20 - Gas system totally retired by year 15. So clear decarbonisation trajectory of circa 6-7% a year or therabouts.

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

Noone likes gas other than for cooking, and anyone that has induction knows that it is even better than gas. So just get people going for induction. My personal experience is that I moved into a home where the only gas was the stove... paying the gas connection fee of circa 500 dollar as year to burn about 100 dollars worth for cooking led me to the induction replacement in week one. We would save a mint if we didn't have duplication of gas and electric systems... your analysis makes the case that we will need to upgarde the electric system... but of course we will, and in the process we cut out the inefficiency of a two system approach.

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

Change the planning scheme ASAP to remove any compulsion to have gas connected to new estates, and require all electric homes and precincts. Require all homes to be upgraded to all electric when they are sold. All homes to be all electric by 2030... which isn't a big deal if we wanted to do it... just clear messages and financing e.g. stimulus funding. Promote induction cooking... e.g. by loaning out portable IKEA units if neccessary. Create a vision for an all electric powerhouse of a state called Victoria. Support rural people to move off firewood too... basically poor mans gas... and go all electric.

**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?**

Whatever they need. Pretty bespoke. If we get off plastic we will stop the need for most of it... and we can stop flirting with waste to energy which is basically burning the soft plastic.

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

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