

From: [Richard Bartlett](#)
To: [Consultations](#)
Subject: Gas Market Settings Investigation Consultation Paper
Date: Thursday, 1 July 2021 4:29:43 pm

Dear GIC,

Apologies for being late with my submission and I will understand if this is not admissible.

I am currently working on a couple feasibility studies for renewable gas deployment in New Zealand and I can inform GIC on one glaring aspect of NZS5442 that is not compatible with the transition.

1. Oxygen levels - most, if not all, jurisdictions that inject biomethane into their transmission and distribution grids have an upper limit of between 0.5-1%-mol oxygen
2. Hydrogen levels - currently limited to 0.1%-mol - this will need to be lifted to 10-20% on consideration of the blending being trialed elsewhere in the world.

I think its quite obvious that NZS5442 will need to be revised in order to support the transition of the gas infrastructure in New Zealand & I hope others have already raised this in their submissions

Many thanks

Kind Regards,

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