

[REDACTED]

From: no-reply@mbie.govt.nz
Sent: Saturday, 12 October 2019 11:03 a.m.
To: [REDACTED]; Hydrogen
Subject: Hydrogen green paper - submission

Submission on Hydrogen green paper received:

Introduction

Name

[REDACTED]

Email

[REDACTED]

Business name or organisation (if applicable):

Position title (if applicable):

Is this an individual submission or on behalf of a group or organisation?

Individual

Please give the name of the group or organisation this submission is on behalf of.

What is the role of Government in developing hydrogen for storage and distribution?

The government is responsible for driving the development of hydrogen storage and distribution solutions. They should be looking at investing in government owned storage assets and innovation in the industry. They should be driving nz as a world leader in hydrogen, put us at the forefront of a promising technology

What are the challenges for using hydrogen for storage and distribution?

For storage the main challenge will be safety, there is always a large risk with storing a volatile gas such as hydrogen but at the same time, its the same for petrol etc. For distribution, it will be much the same as existing fuels, delivered to fuel stations and stored in underground tanks. Unlike with electric vehicles where the service station will become redundant, hydrogen fuelling stations will utilise an already present national network asset with little refurb required to store hydrogen. It will be at the pumps next to petrol

What are the opportunities for using hydrogen for storage and distribution?

As above, there are great opportunities to utilise national service stations to store and distribute hydrogen. With minor refurb of all service stations, hydrogen can be delivered by truck to the service stations and be available at the pump next to petrol until it ultimately overtakes it.

What is the role of Government in developing the complementary role of electricity and hydrogen?

The government needs provide subsidies for both, with a greater drive towards a renewable energy future so that ultimately there are no petrol cars left on our roads. Hydrogen should not be left behind, it is a better option for the future once the investment is made

What are the challenges for achieving this complementary role of electricity and hydrogen?

Probably corporations, like tesla that push one solution as opposed to a combined solution.

What are the opportunities for this complementary role of electricity and hydrogen?

Hyundai is a good example of the role the two will play together in the future. There is no reason that both solutions cant work together. Even hybrid hydrogen/electric cars could be an option.

What is the role of Government in supporting hydrogen use for the transport sector?

Providing subsidies for the purchase of hydrogen vehicles. Force out the old fleet of new zealand in a short time frame to ensure that hydrogen vehicles are heavily present in the fleet.

What are the challenges when using hydrogen for mobility and transport?

There arent many in reality once the distribution and storage infrastructure is in place. It should be as accessible to as petrol and diesel are today.

What are the opportunities for using hydrogen for mobility and transport?

What is the role of Government in encouraging the use of hydrogen for industrial processes including process heat supply?

What are the challenges for using hydrogen in industrial processes?

What are the opportunities for the use of hydrogen in industrial processes?

What is the role of Government in encouraging hydrogen uptake for decarbonisation of our natural gas uses?

What are the challenges for hydrogen to decarbonise the applications using natural gas?

What are the opportunities for hydrogen to decarbonise our gas demand?

What is the role of Government in producing hydrogen in sufficient volume for export?

What are the challenges for hydrogen if produced for export?

In addition, we welcome your feedback about the opportunities of hydrogen to Māori and how this will support their aspirations for social and economic development.

What are the opportunities for hydrogen if produced for export?

If you wish to, you can attach a document to this submission.

Use and release of information

We intend to upload submissions to our website at www.mbie.govt.nz. Can we include your submission on the website?

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