

I/We wish to make the following comments

I wish to speak on this matter.

Thank you for the opportunity to make submission.

Having spoken to many other people an overarching 50% reduction in GHG emission is required by year 2030.

I wish to talk about retrofitting the existing Nationwide ICE Vehicle Fleet, including ICE Agricultural and Domestic Machinery.

Over the past 2 years I have spoken with many people about the concept, logic, feasibility, & possible ways of creating a Retrofitting Industry here In New Zealand, specifically initially for various compelling reasons in Greater Southland.

I have spoken with Members of Parliament, Central & Local Government Elected Members and Ministry Officials and Staff, Business Community Representatives & Business Owners, SIT Tertiary Education Sector Staff, Environmental Consultants, and hundreds of Members of the Public with encouraging responses from pretty much everyone, only one person disagreed, not with the concept, but simply on the basis of current retrofitting cost (without considering the financial and environmental cost of not doing so) responses ranging from "it's a no brainer" to "we are definitely onboard, it is something that will have to happen" to "yes it's a great idea" being the norm.

There has been reservations from some people (without thinking too deeply about the matter) in regard to the current cost of retrofitting as currently costed, importing "retrofitting kits" making the exercise too expensive, regardless there is a growing though currently rather un-coordinated "grassroots DIY industry" (which has been active for years retrofitting mostly classic cars) of 'Retrofitters throughout New Zealand retrofitting cars, bikes, and other vehicles, with keen interest by many people from the "side line".

There is also currently a New Zealand company successfully making electric Farm Bikes.

What I am initially proposing is a Government study looking to creating a New Zealand based Industry to manufacture the bulk of the componentry, creating training and employment in an EV Manufacture Industry, and ultimately a Retrofitting Industry, which could also have potential to Export Retrofitting knowledge base and technology offshore.

I predict this would substantially help with lowering the financial cost of replacing much of the current ICE vehicle fleet, providing employment and business opportunity, and ultimately creating community wellbeing and good.

Retrofitting could also likely speed up meeting the environmental goal of 50% reduction of GHG by not having to replace the entire NZ Vehicle and ICE machinery fleet with imported replacement EV vehicles and machinery which currently appears to be a rather slow process due to cost, uptake, & supply restraints.

With support from a Government Initiative the opportunity for New Zealanders to make good of this opportunity are before us, with Kiwi innovation and some #8 wire thinking Retrofitting our Transport Vehicles and Machinery could well become a reality.

I look forward to speaking with you further.

Noel. J. Peterson,

Motupōhue - Bluff.

I/We wish to make the following recommendations

Having spoken to many others people an overarching 50% reduction in GHG emission is required by year 2030.

That Government supports & actions the above proposed ICE > EV Retrofitting Concept Study which flows on to creating a co-ordinated & strategic New Zealand Retrofitting Industry.

I/We wish to make the following comments

I do not wish to speak on this matter.

Recently the concern that our electricity supplies could be in the future unable to cope (particularly allowing for the uptake of EV vehicles) was brought to my attention by several people.

The need for urgent attention to "free up" the ability to fast track clean energy projects both large and small to meet the future electricity demand and insure against drought situations that may well affect future hydro- electric sources we currently rely on for supply, and of course also to remove the current coal and gas produced electricity.

This may need changes to the RMA and other relevant legislation to allow some restructure of the current electricity industry, to enable the fast track of large projects and local microgrids to flourish.

Likely I and others who have spoken with me are not alone in thinking this attention needs to happen urgently with haste, that said, I have raised the matter with the wish to see some action.

Thank you for the opportunity to comment.

I/We wish to make the following recommendations

That future of clean electricity production be reviewed and actioned urgently with the intention of ensuring supply to meet the nation's future needs and reduce carbon emissions in the process.