

# New Zealand, Japan and electric vehicles



# Goals for New Zealand transport

## New Zealand Energy Strategy

- halve domestic transport emissions per capita by 2040 relative to 2007 emissions
- become a world leader in deployment of plug-in hybrids and electric vehicles
- 90% of electricity to be generated by renewable resources in 2025

The strategy is available at: [www.med.govt.nz](http://www.med.govt.nz)



## Rationale for goals

New Zealand is a great place for electric vehicles because it has:

- 65% – 70% renewable electricity
- a diverse range of roads, climates and population centres
- people who are keen to try new things
- a fast moving and integrated government

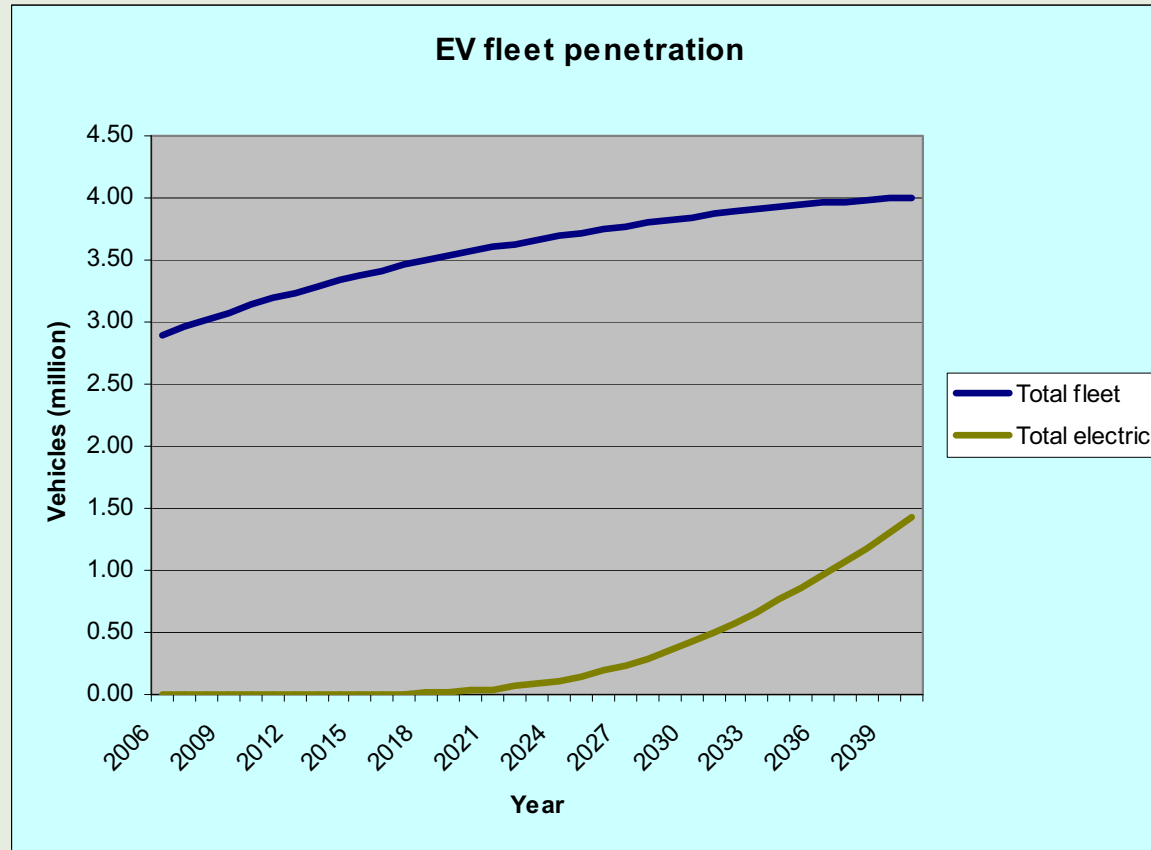


# Pathways to goals



**Share of sales (Battery and plug-in EVs)**

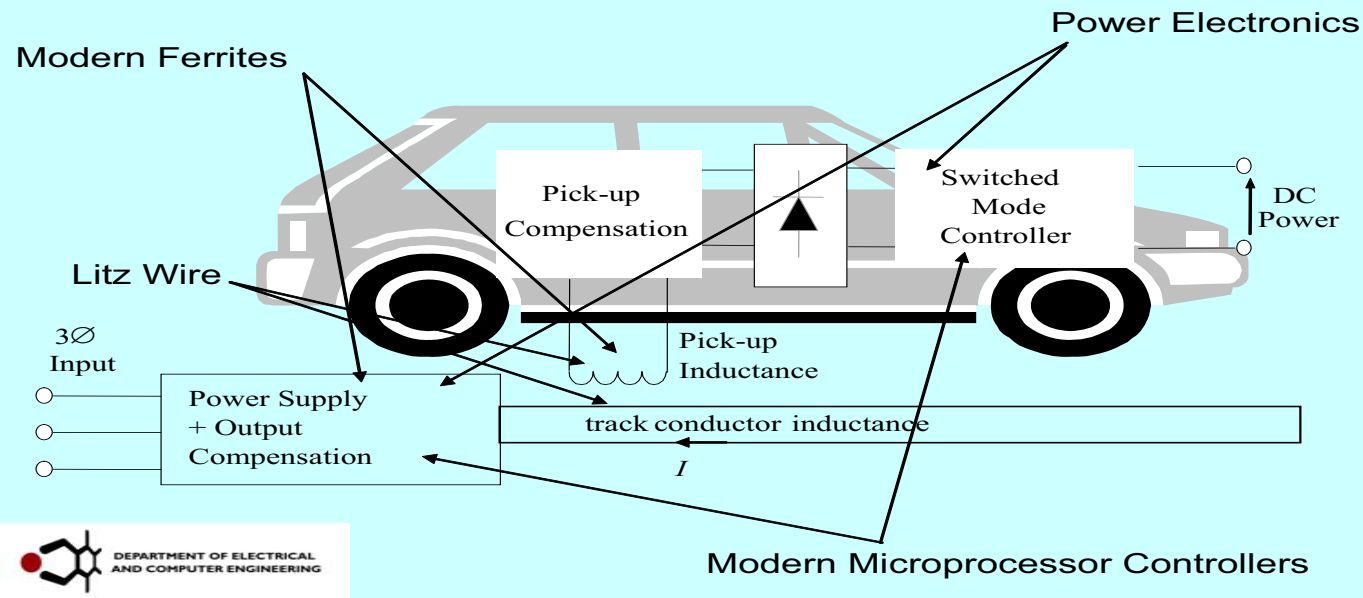
2015	1%
2020	5%
2030	30%
2050	70%



# Innovations in New Zealand: Inductive Power Transfer

Professor Boys, University of Auckland

## Concept Diagram for an IPT EV



## Innovations in New Zealand: DesignLine Buses



The company has produced buses powered by:

- series hybrid technology
- battery electricity only
- hydrogen

# New Zealand and Japan working together

An invitation to share with New Zealand:

- pathways toward cleaner transportation
- expertise for electric vehicle development
- markets for electric vehicle deployment

