How governments promote efficient vehicles through labeling program

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ICCT mission and activities

The mission of ICCT is to dramatically improve the environmental performance and efficiency of cars, trucks, buses and transportation systems in order to protect and improve public health, the environment, and quality of life.

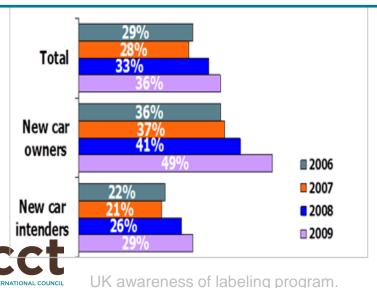
- Non-profit research organization
- Air Pollution and Climate Impacts
- Focus on regulatory policies and fiscal incentives
- Activity across modes including aviation and marine
- Global outreach, with special focus on largest markets



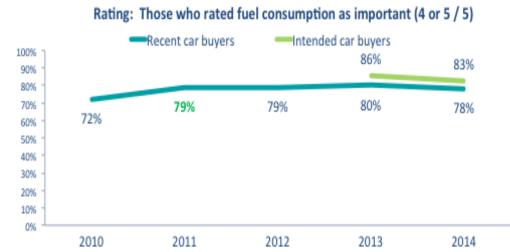
Vehicle fuel economy labeling (VFEL) has many benefits

VFEL can

- Raise consumer awareness
- Enable other policies
 - Fuel economy standards
 - Fiscal incentive
- Promote fuel efficient vehicle, contribute to fuel saving



Source: Esposito G. (2014)



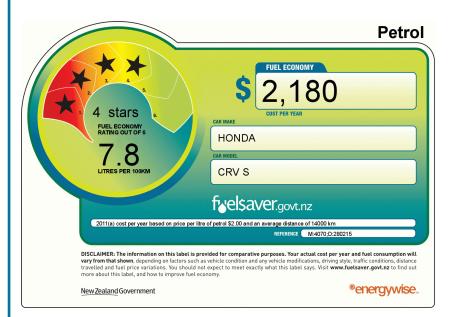
New Zealand.

J

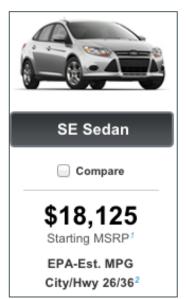
VFEL program has a wide scope

VFEL include

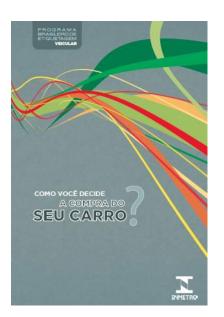
Label displayed on car/in showroom



Online

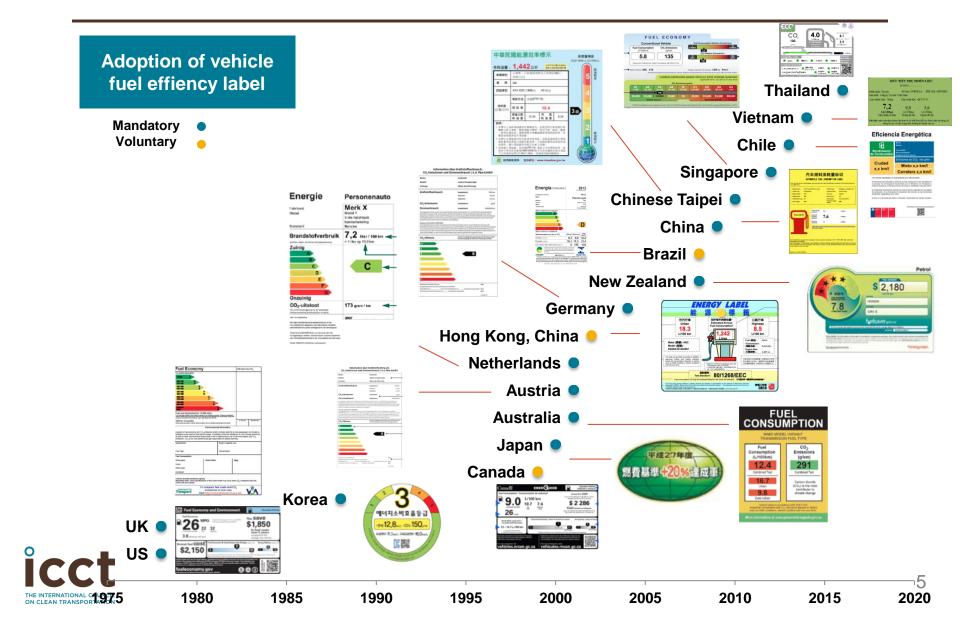


Other media

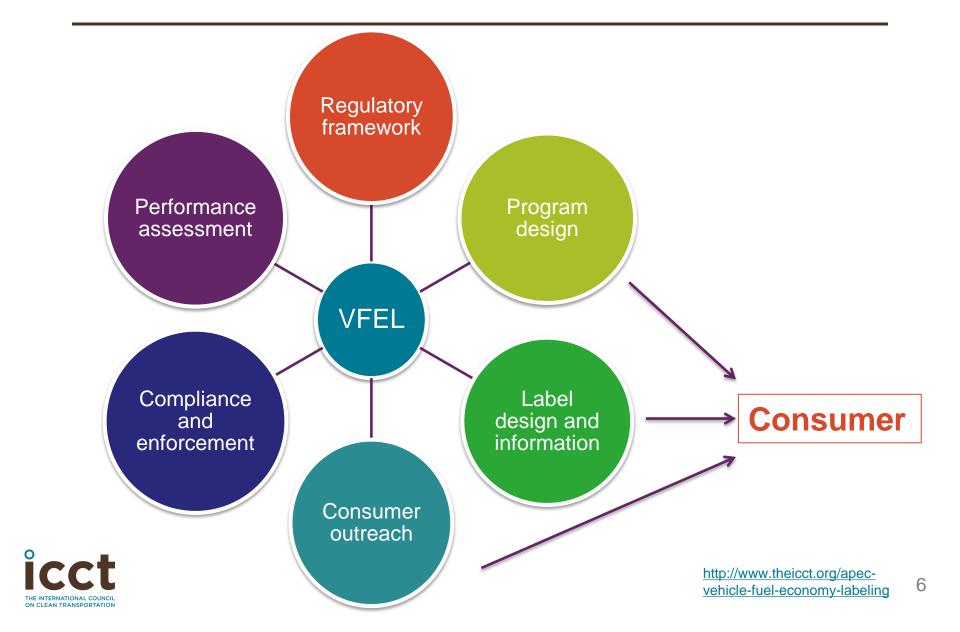


And associated consumer information campaign

Implementation of vehicle fuel economy labeling program



Six key elements for VFEL programs



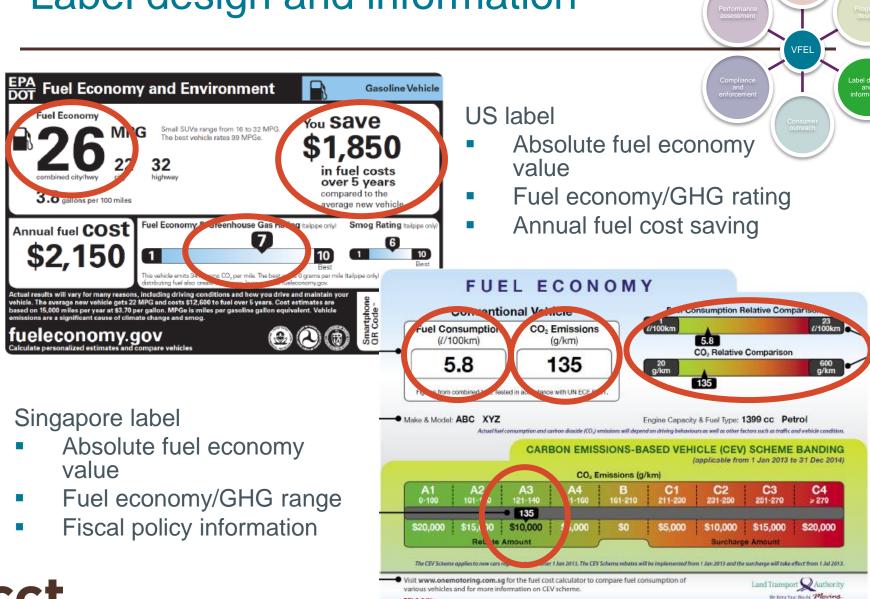
Program design

- Wide scope
 - Mandatory
 - New + used
 - Passenger car + light commercial vehicle
 - Gasoline/diesel + other fuel types
- Learn consumer behavior/expectations
 - Regular market research and survey
 - Consumer attitudes changes over time
- Reflect real-world performance.
 - Collect in-use fuel consumption performance data
 - Use correction factor or revised test cycle





Label design and information

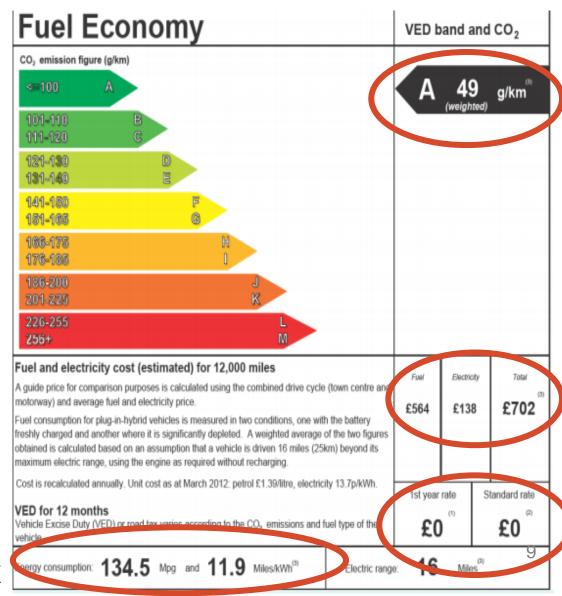




Label information for alternative fuel vehicles

Special considerations for alternative fuel vehicles

- Comparable (i.e. fuel consumption equivalent, CO₂ emissions)
- Fiscal information
- Others (Electricity consumption, range, charge time, operation information of AFVs)





Consumer outreach

- Performance assessment

 Performance assessment

 VFEL

 Compliance enforcement

 Consumer outreach

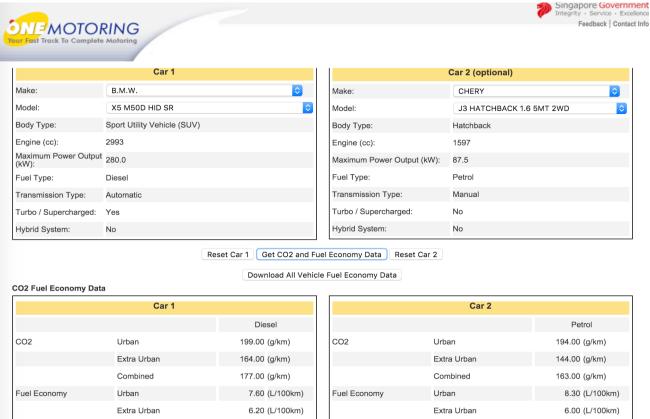
 Consumer outreach
- Importance of online information
 - UK- 80% carry out car research online
 - New Zealand- 27% people bought car online
- Information in promotional materials through other major media:
 - Electronic posters online
 - Printed or electronic promotional materials (e.g., newspaper, periodical magazine, catalogue)



Consumer outreach

- VFEL website
 - Additional services beyond the label
 - User-friendly

Combined



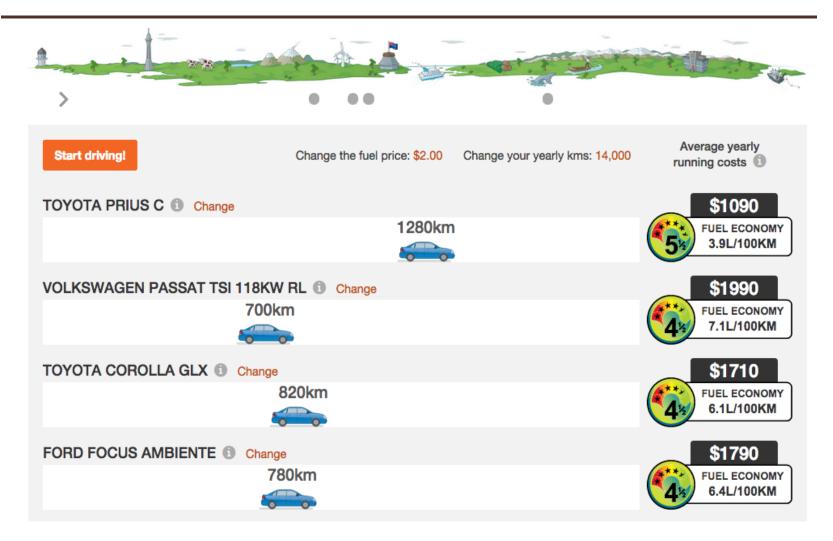
6.70 (L/100km)





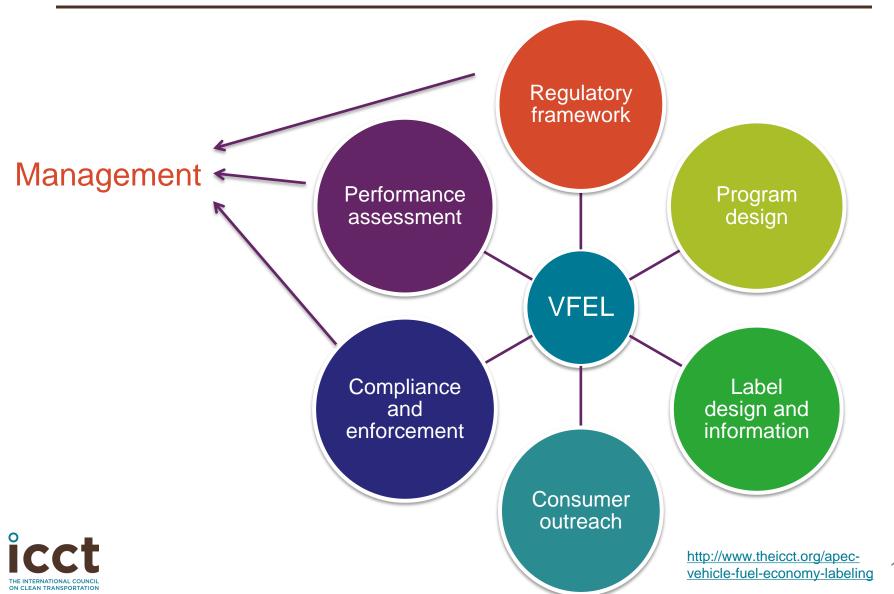
VFEL

Effective consumer outreach-New Zealand





Six key elements for VFEL programs



More information

A review and evaluation of vehicle fuel efficiency labeling and consumer information programs

http://www.theicct.org/apec-vehicle-fuel-economy-labeling

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A Review and Evaluation of Vehicle Fuel Efficiency Labeling and Consumer Information Programs

> Asia-Pacific Economic Cooperation Energy Working Group

> > November 2015

