

# EWG 05 2014A – Review of the Design and Effectiveness of Vehicle Fuel Efficiency Labelling and Consumer Information Schemes

## Project background

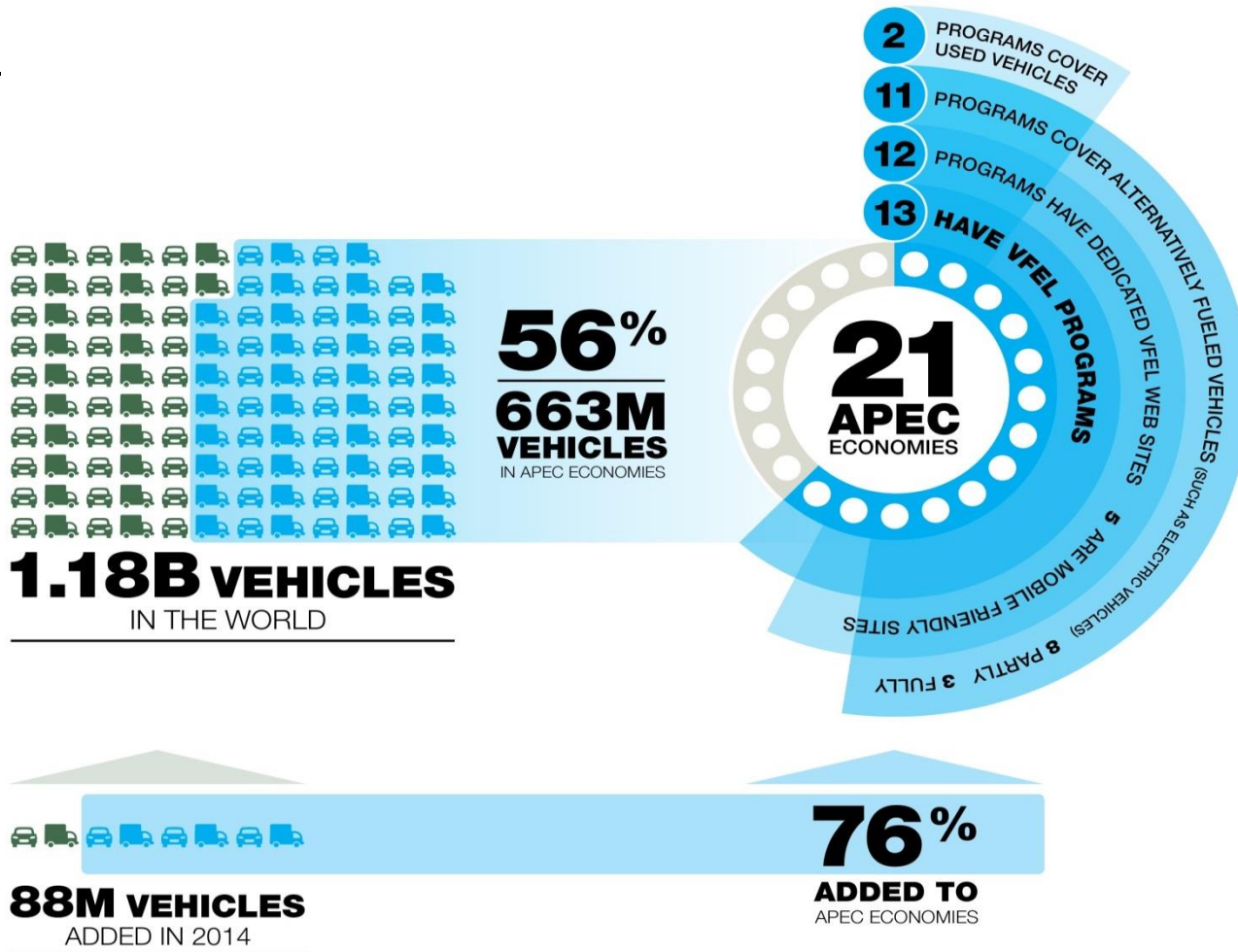
- Transport accounts for large share of energy use and GHG emissions in APEC economies  
→ significant potential to reduce energy intensity and emissions
- Improving fuel efficiency of vehicles can help realise this potential
- Several APEC economies have vehicle fuel efficiency labelling (VFEL) schemes to promote the uptake of fuel efficient vehicles through influencing purchase behaviour

## Project summary

- Research approach:
  - Desk-research on VFEL literature and regulations.
  - Survey of VFEL experts in the different economies.
  - Expert workshop.
- Key output
  - **project report** and **best practice guide** to assist practitioners in the development and review of VFEL schemes and promote alignment with other schemes in the region

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## APEC facts

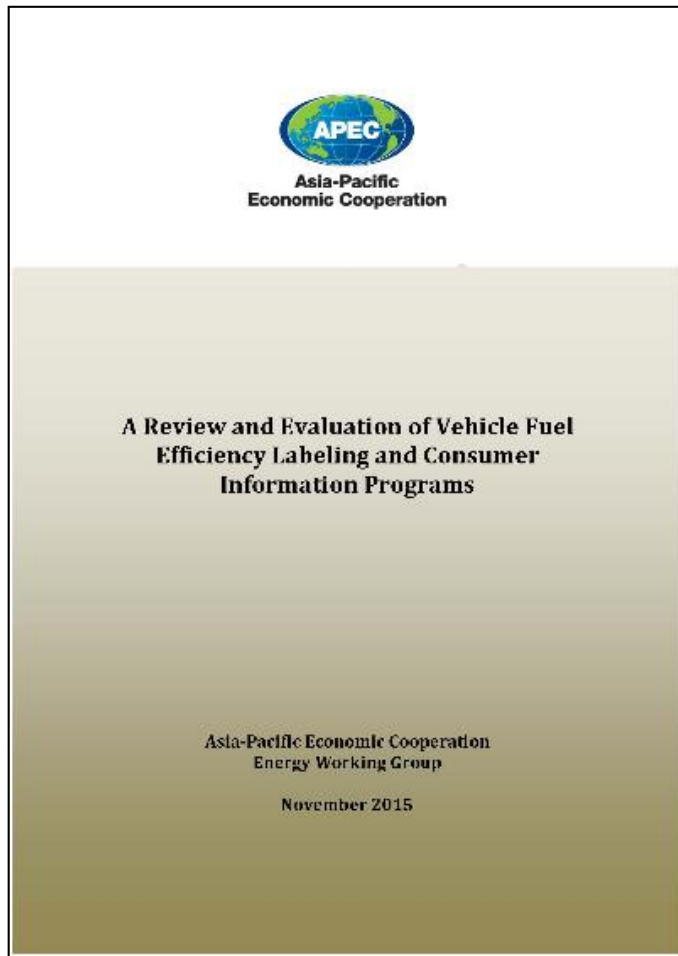


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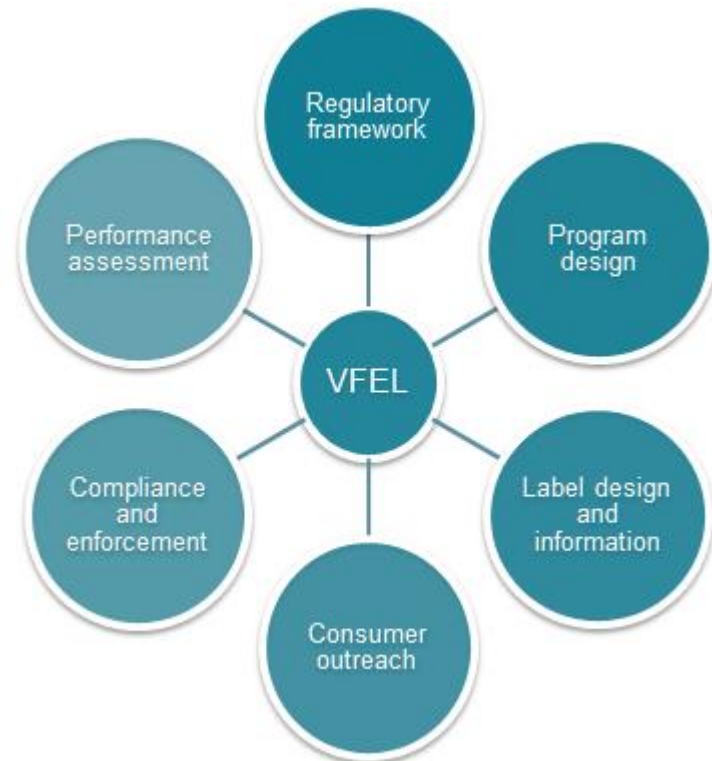
## Findings

- Identified 16 best practice components, examples:
  - Design a program that covers all new and used light-duty vehicles with all fuel types.
  - Make information for alternative fuel vehicles comparable to conventional vehicles, such as gasoline equivalent fuel efficiency, CO<sub>2</sub> emission, running cost, and financial information.
  - Establish a user-friendly VFEL website providing additional services beyond the fixed information on the label.
- All economies are doing well on at least a few components, but all economies have potential for further improvement.
- Common gaps include
  - the lack of a world-wide standard test vs real-world validation,
  - coverage of vehicles with advanced technologies (eg electric vehicles);
  - and lack of monitoring and/or periodical assessments once the programs are established

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- [Link to Report on APEC EWG website](#)



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## **Potential APEC actions (at working group level)**

The Energy Working Group (and its sub-fora) should (in cooperation with the Transportation Working Group and Subcommittee on Standards and Conformance where relevant):

- Promote the establishment of a network of practitioners to enable ongoing information-sharing on VFEL programs
- Promote regional coordination and share information on test procedures, methods to align results from different test cycles, test data (e.g. to create national fuel consumption databases).
- Track adoption of, and progress under, VFEL programs across the APEC region annually, and provide a ‘progress report’ in 5 years. Potentially incorporate into an existing, and broader, initiative: the APEC’s Peer Review on Energy Efficiency (PREE) initiative led by the Asia-Pacific Energy Research Center (APEREC).