

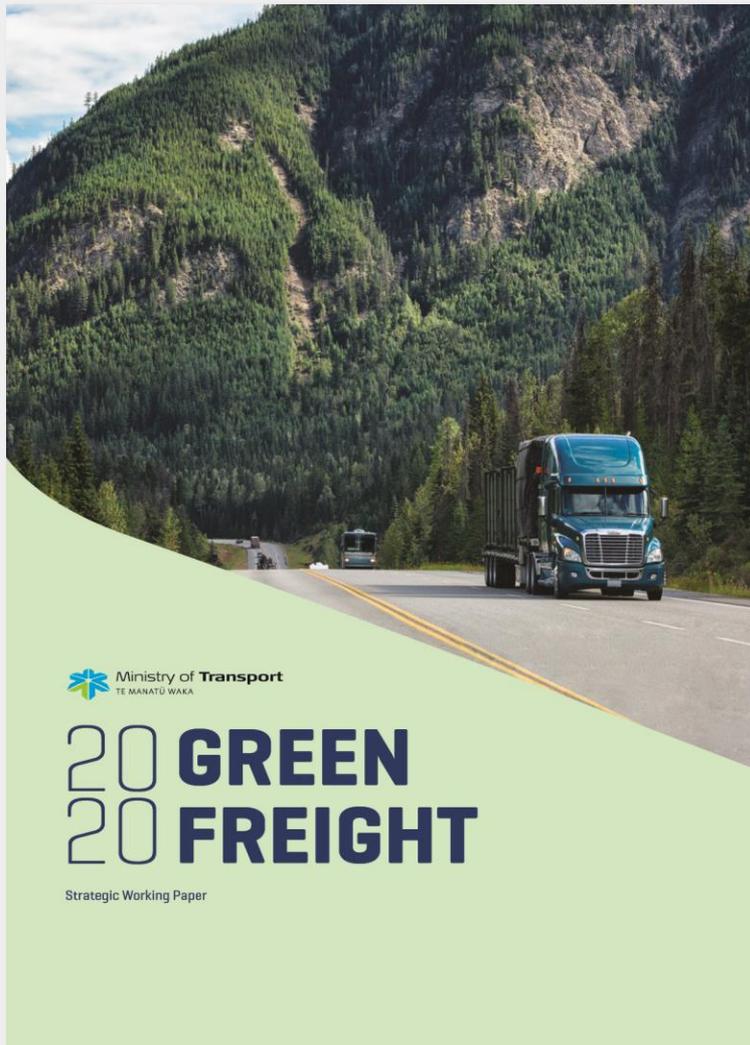
Biofuel options for road freight

Transport Knowledge Hub presentation



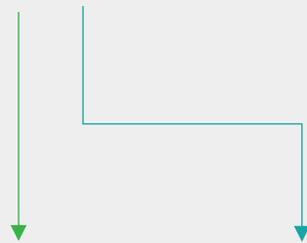
3 Dec 2020

The Green Freight project



To help inform the Government's strategic approach to reducing greenhouse gas emissions from road freight in New Zealand through the use of alternative green fuels

GHG emissions from transport

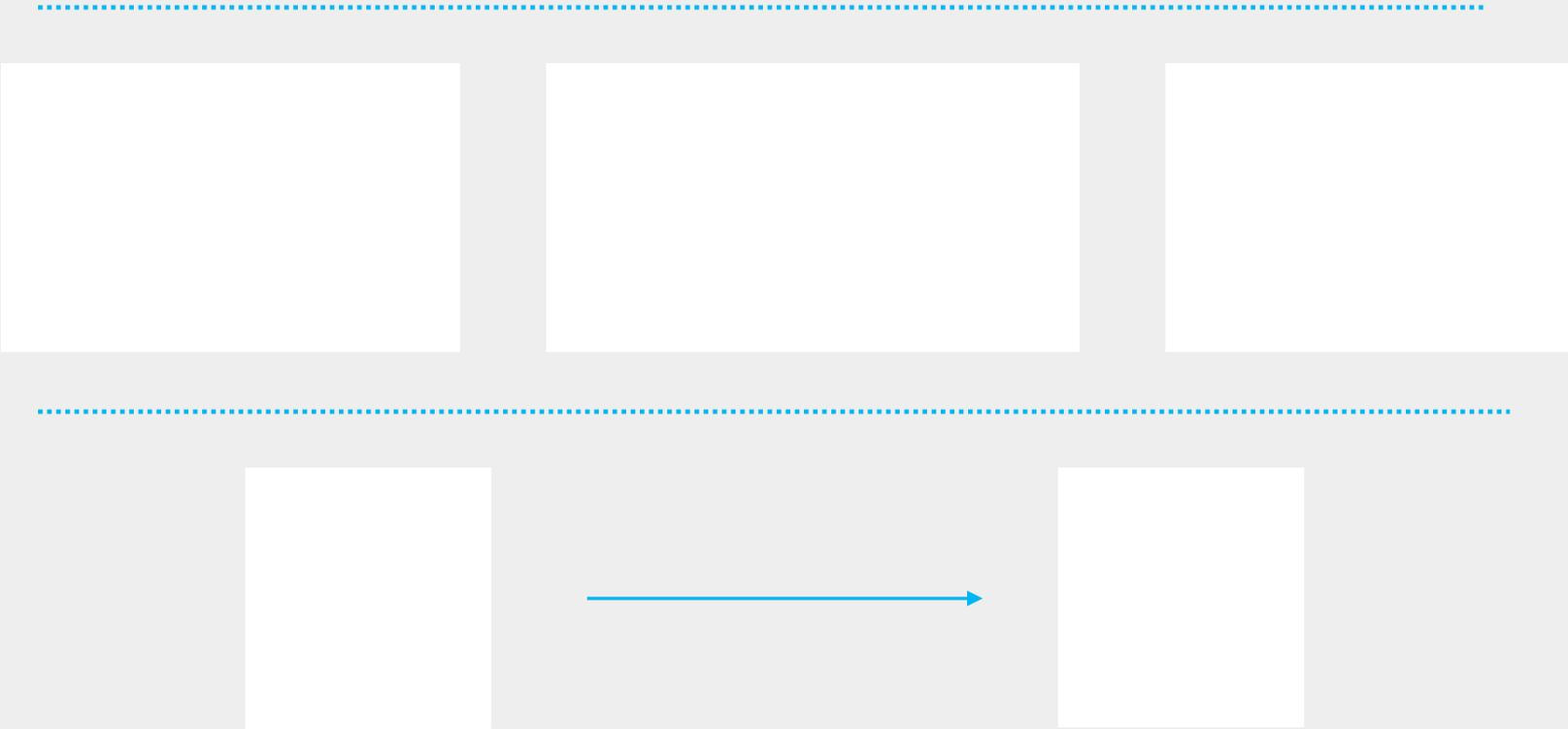


up

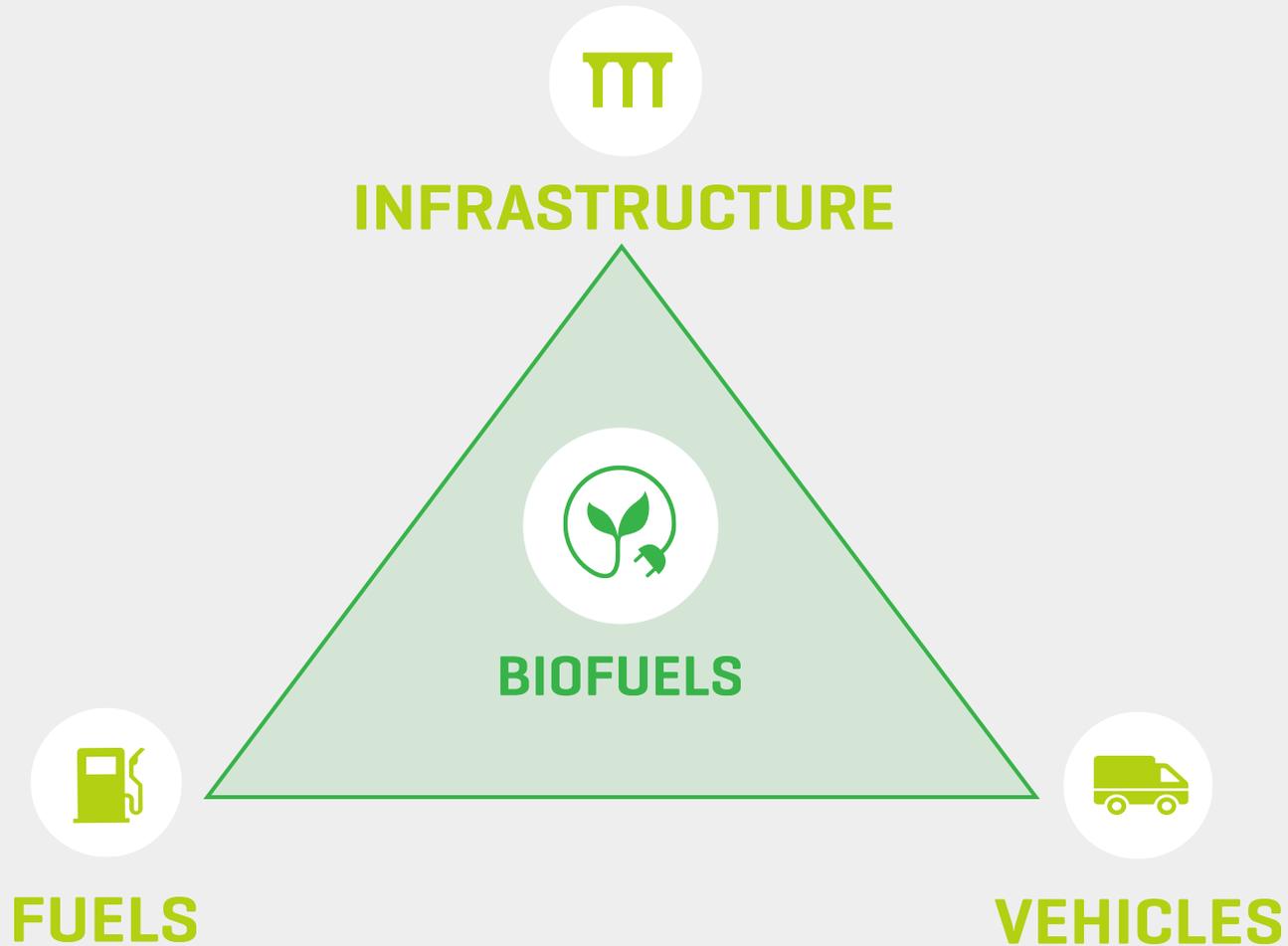
Road transport emissions as a percentage of total transport emissions has been **steadily increasing** between 1990 and 2017.

Without any new interventions, it is estimated trucks could still contribute up to 2,255 kilo tonnes of GHG emissions in 2055, becoming the **main contributor to road transport GHG emissions**.

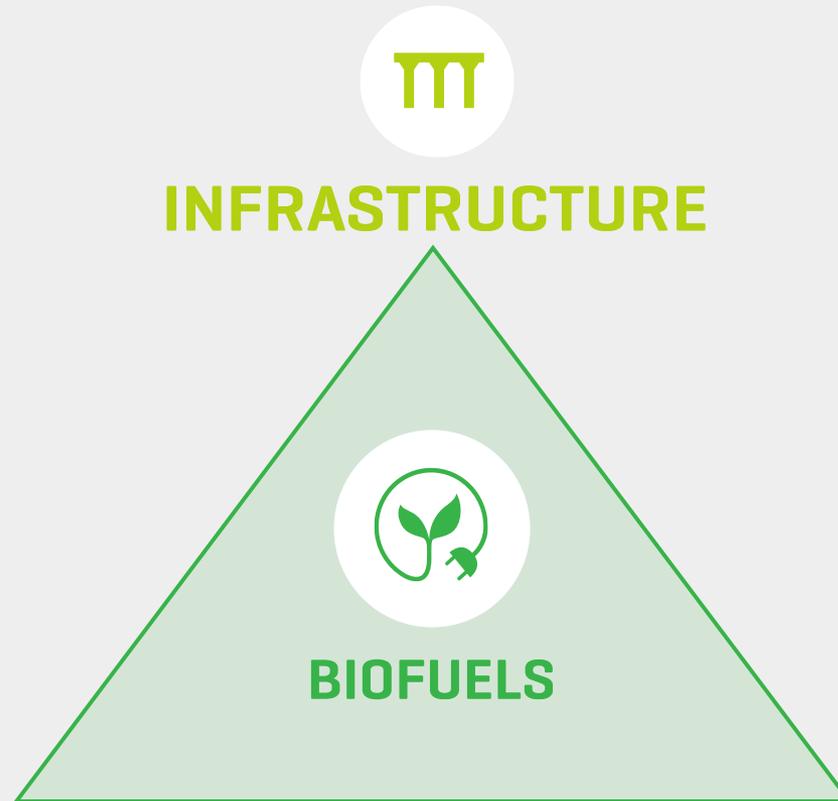
Road freight plays a key role in NZ



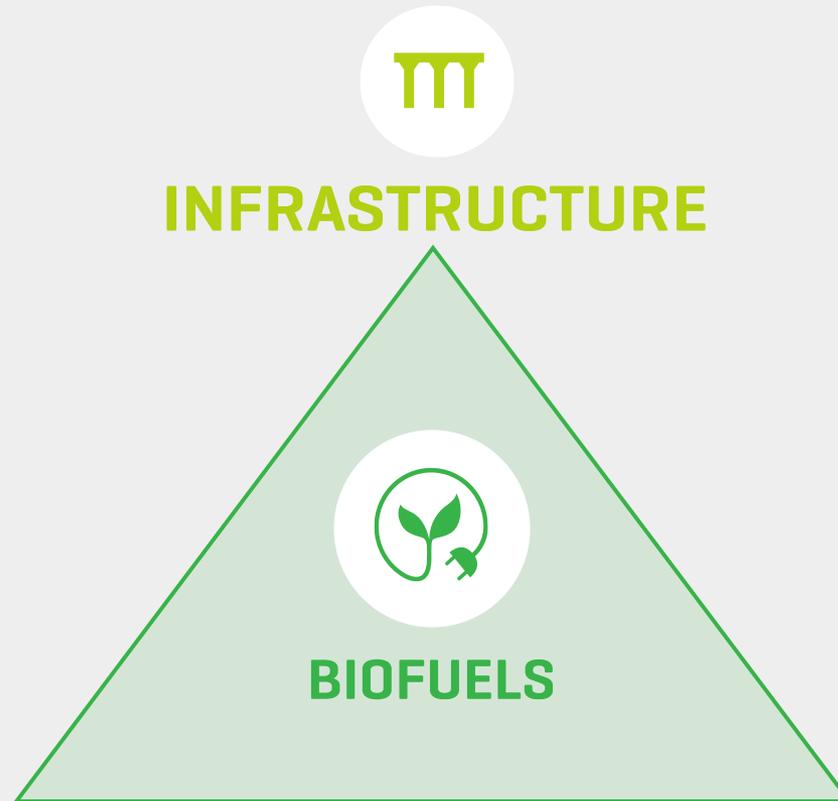
Biofuels - challenges and opportunities



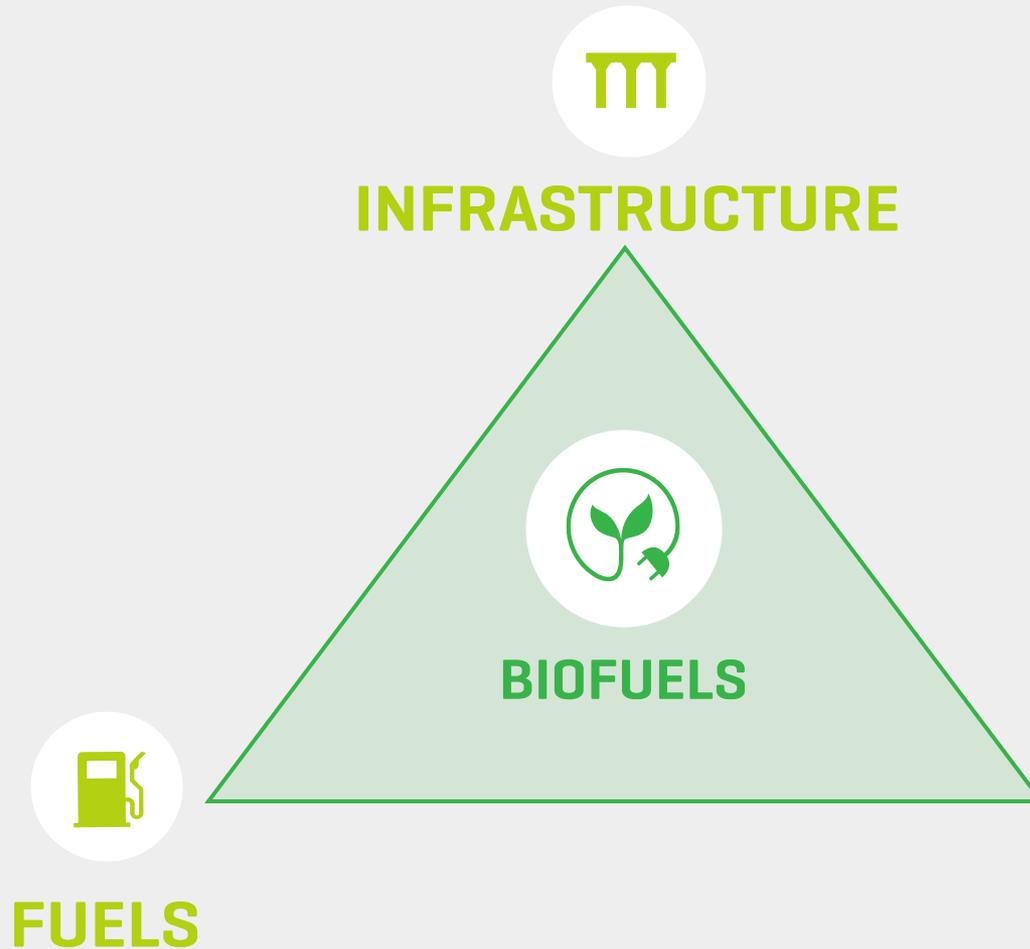
Biofuels – infrastructure opportunities



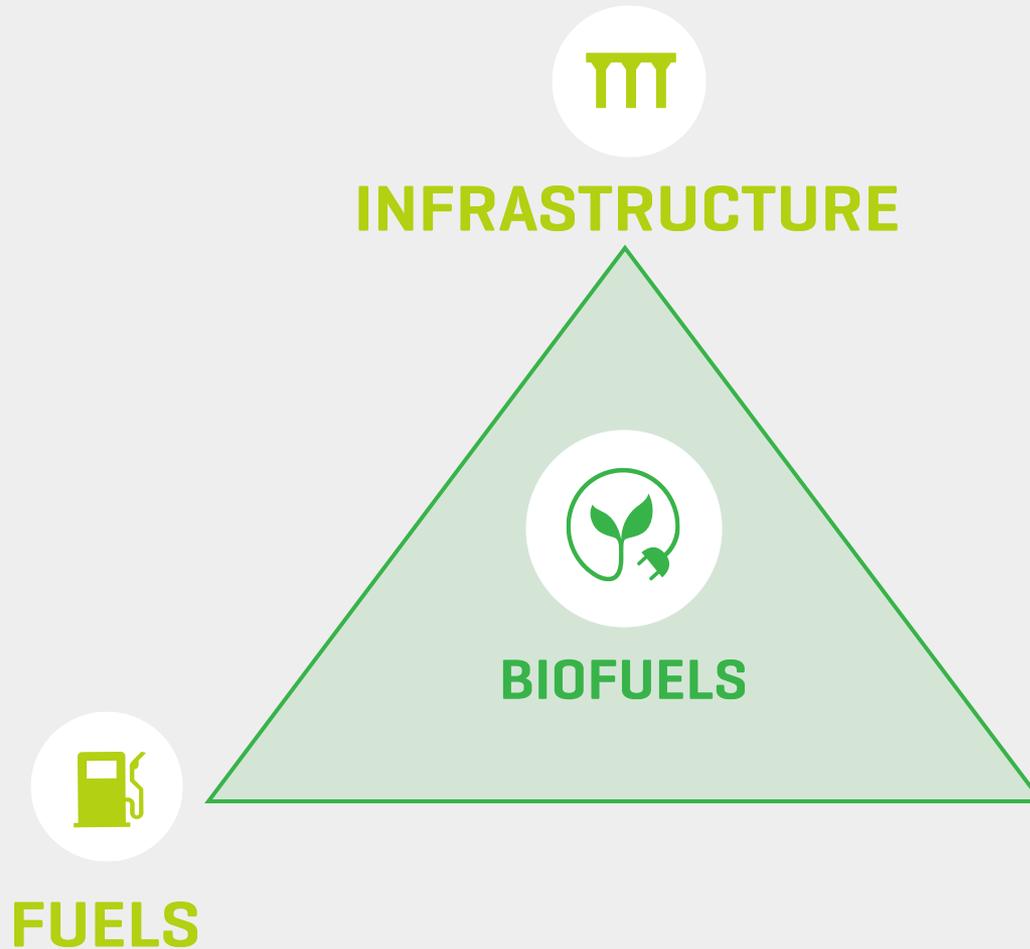
Biofuels – infrastructure challenges



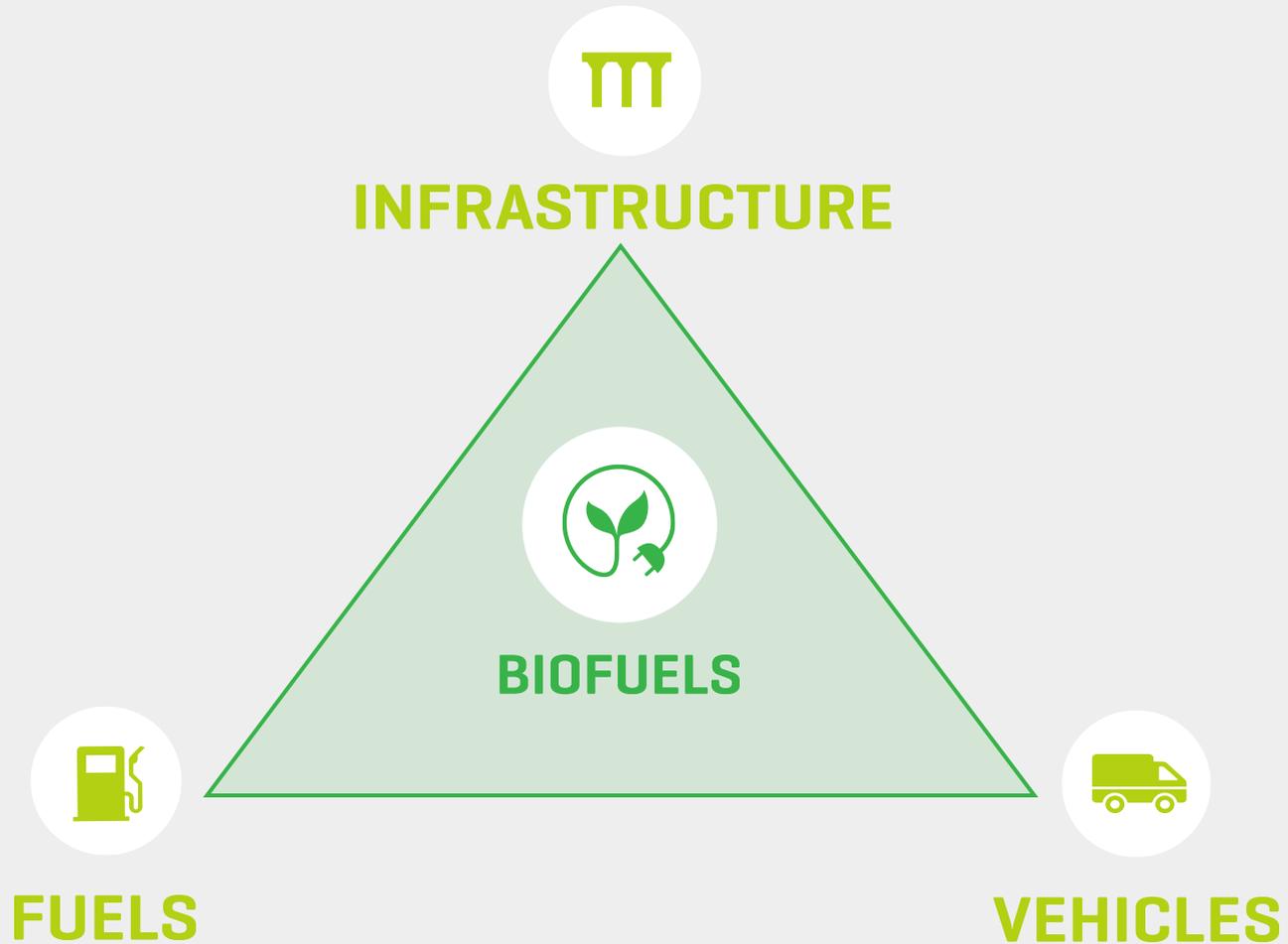
Biofuels – fuel opportunities



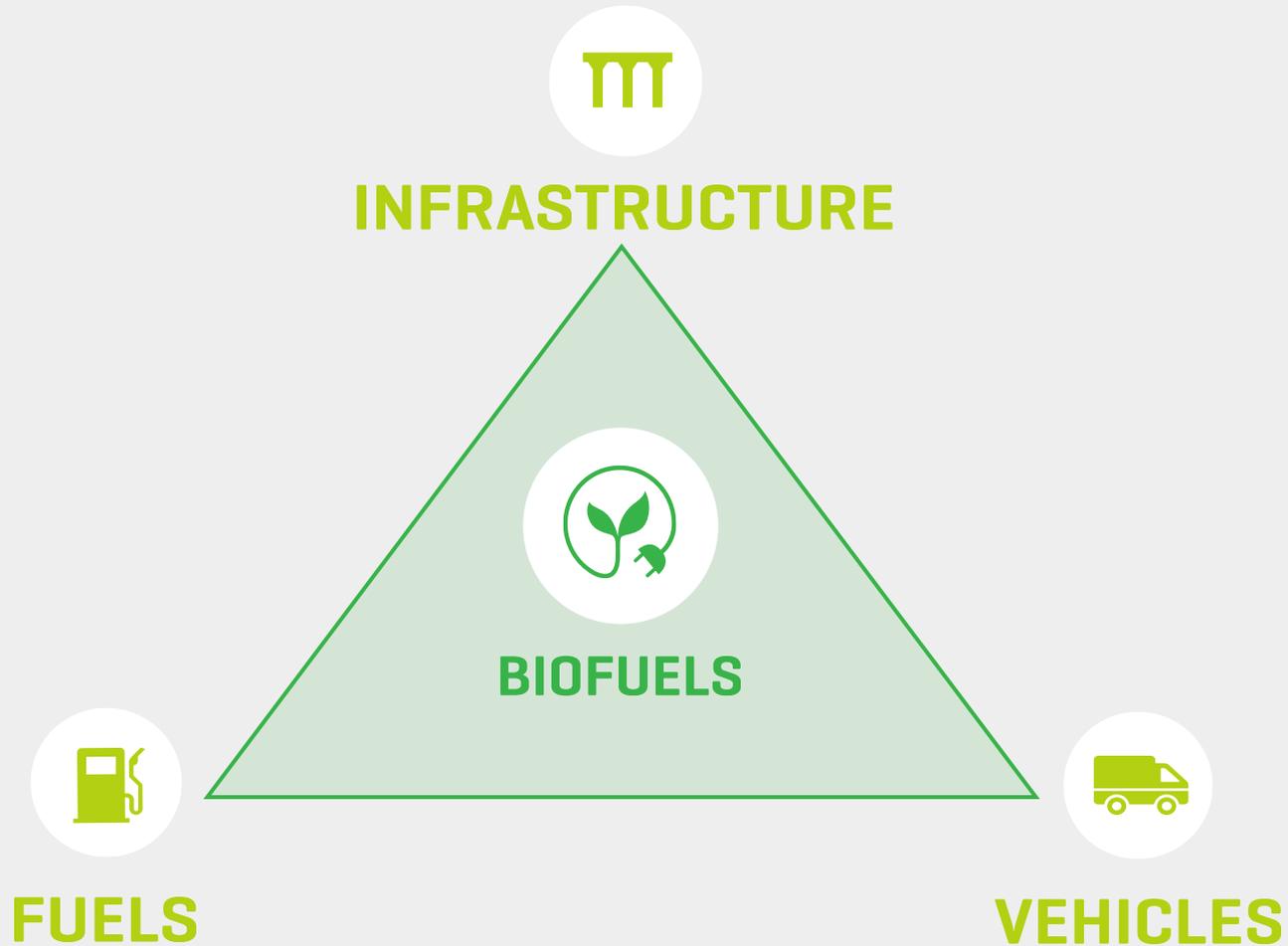
Biofuels – fuel challenges



Biofuels – vehicle opportunities



Biofuels – vehicle challenges





In support of biofuels

- Diesel vehicles could be with us for the next 20 years
- Investment in existing heavy vehicle fleet
- Not enough incentive to transition under current settings
- The ETS
- Alternative options require significant investment

What are our policy options?

- Expedite the uptake of renewable fuels
- A biofuels mandate
- Introduce a carbon intensity standard for all transport fuels



What are our policy options?

- Support the development of a domestic biofuels industry in New Zealand
- Targeted infrastructure investment





Last word

- Biofuels need to be taken seriously as a near-term solution
- Future investment should include long-term cost-benefit analysis
- We need action now, and options over the next five years

Thank-you

Dave Hadley

Principal Advisor, Strategic Policy and Innovation

Ministry of Transport – Te Manatū Waka

Enabling New Zealanders to flourish

New Zealand Government Te Kāwanatanga o Aotearoa