

# Green Freight While You Wait

*QTLC webinar May 2024*

David Coleman

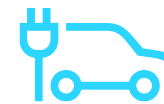
29 May 2024

## **Carbon abatement pathways for road freight**



### **WHY**

Road freight emissions are rising strongly, not on track for net zero



### **HOW**

Reducing emissions in freight requires electric trucks AND low carbon energy AND energy productivity

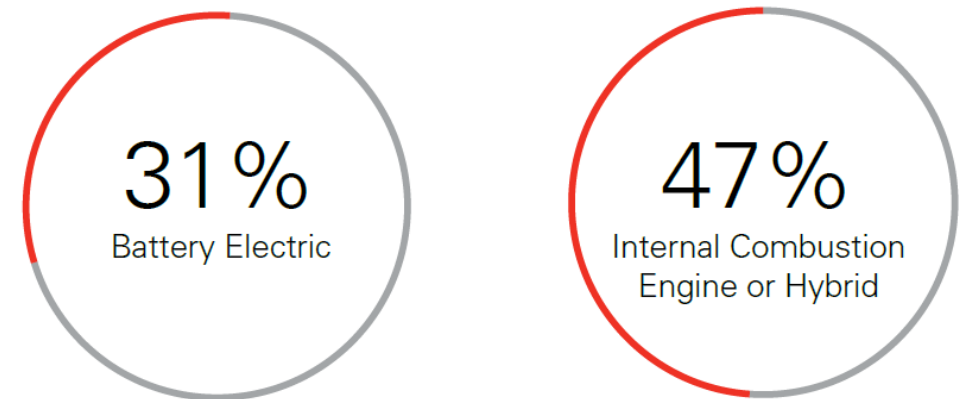
# FLEET OPERATOR SURVEY



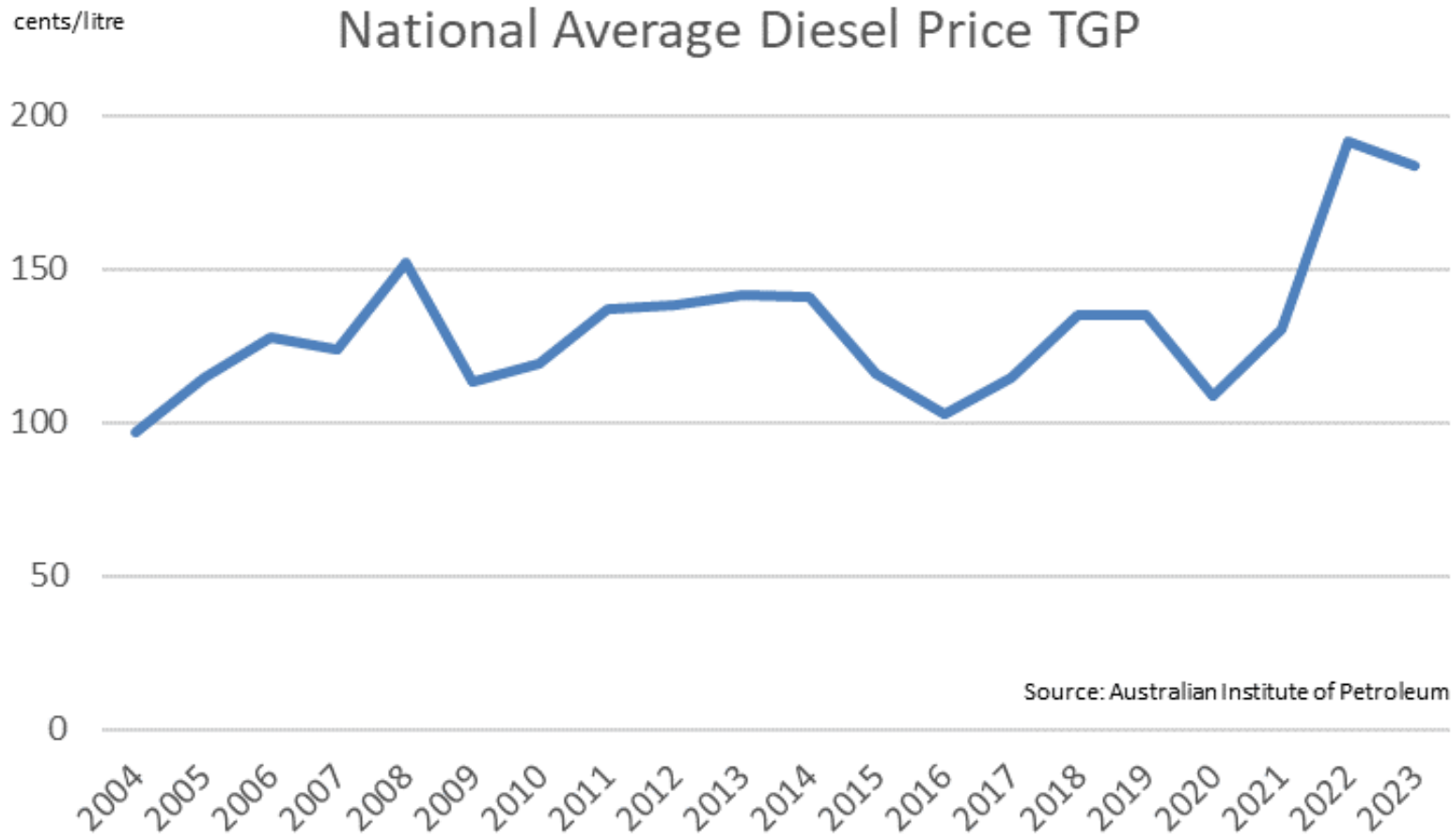
## Adoption of Zero Emissions Strategy for Vehicle Fleet



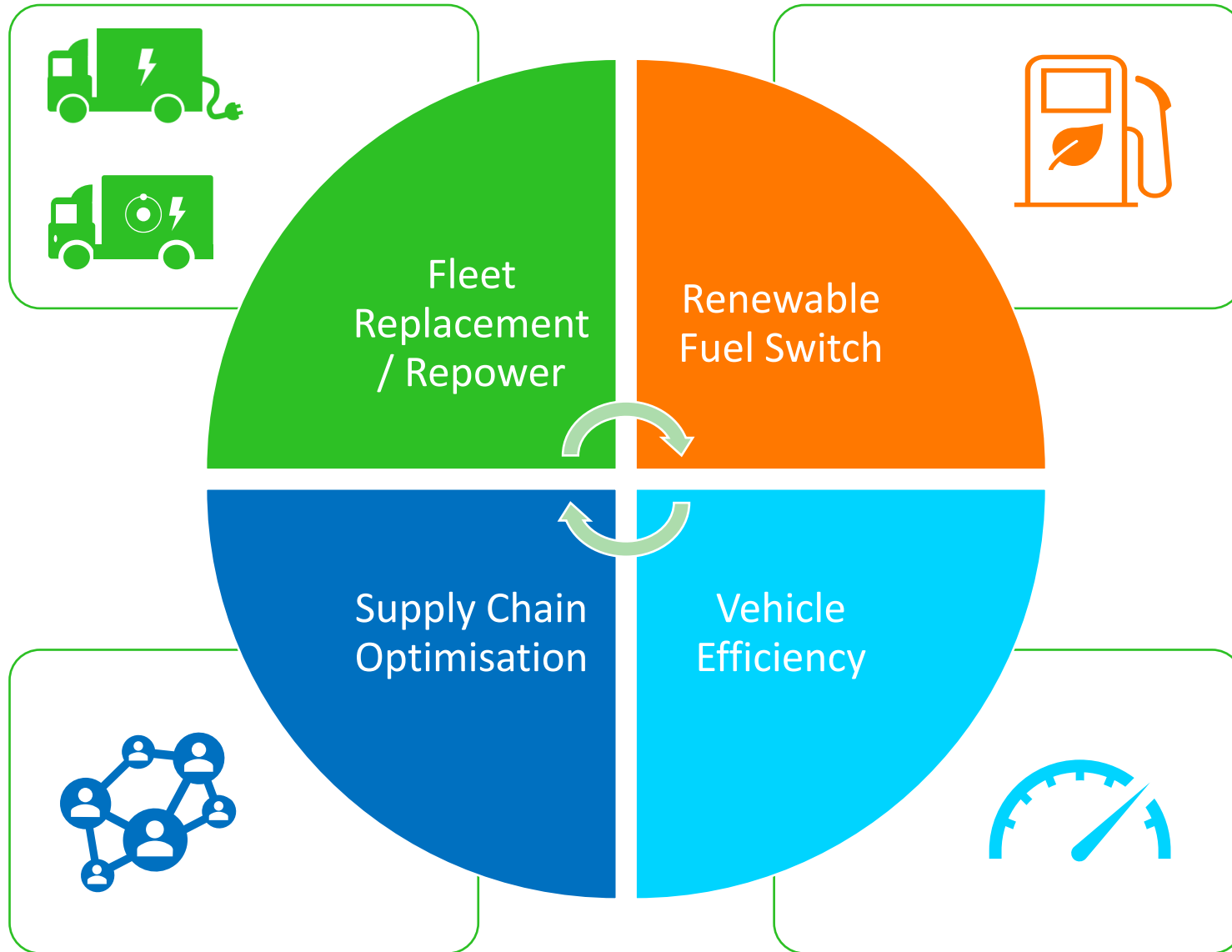
## Primary Fleet Solution in 10 – 15 Years



# MEANWHILE, FUEL COSTS KEEP RISING



# EMISSIONS ABATEMENT PATHWAYS

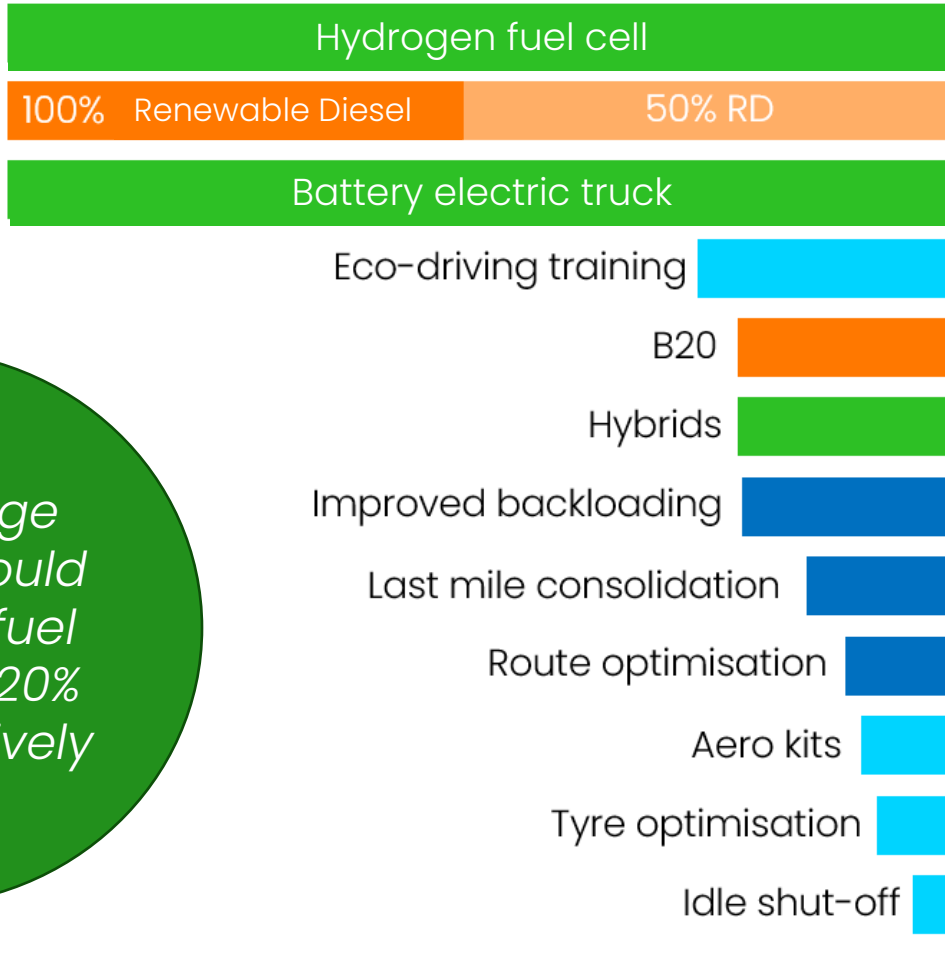


# THERE'S LOTS OF LOW-HANGING FRUIT (CHEAPER/SIMPLER CO<sub>2</sub>)



## Emissions Reduction

Max. Scope 1 emissions, under 'best case' scenario



The average operator could cut CO<sub>2</sub> & fuel cost by 10-20% cost-effectively

Fleet Replacement/Repower

Renewable Fuel Switch

Vehicle Efficiency

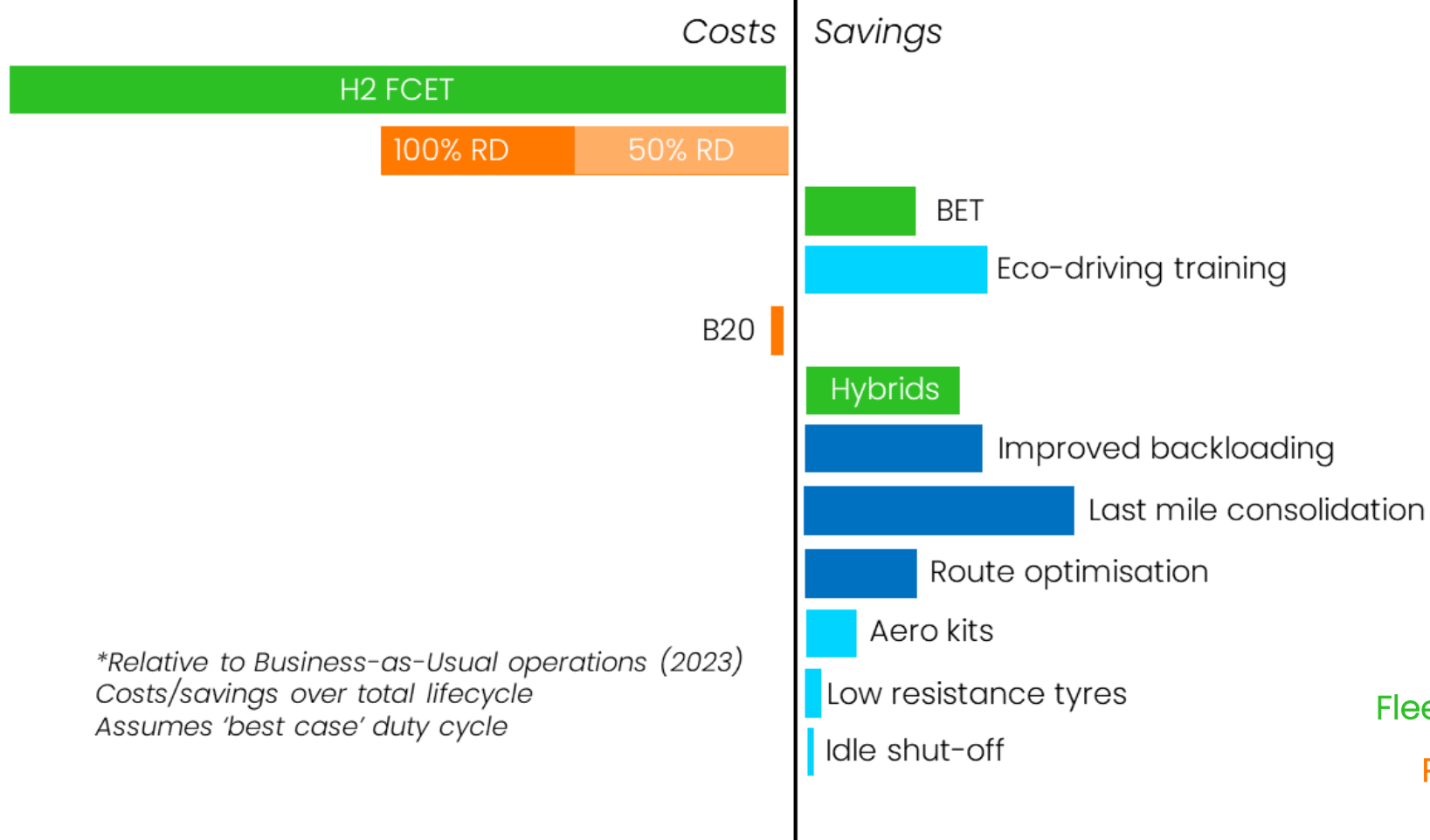
Supply Chain Optimisation



# THERE'S LOTS OF LOW-HANGING FRUIT (CHEAPER/SIMPLER CO<sub>2</sub>)



## Net Financial Impact\*



\*Relative to Business-as-Usual operations (2023)  
 Costs/savings over total lifecycle  
 Assumes 'best case' duty cycle

Fleet Replacement/Repower

Renewable Fuel Switch

Vehicle Efficiency

Supply Chain Optimisation



# DATA DRIVES DECISIONS

## Set baseline performance

- Litres per 100 km
- Grams CO<sub>2</sub>e per tonne-kilometre
- Segment by vehicle type, duty cycles, applications, routes, customers



## Identify & implement reduction actions

- Tailor to your operations, ambitions, customers
- Develop business cases
- Benchmark with peers

## Report & reduce

- Track performance
- Promote progress
- Model future scenarios



*It's simple!*

## **AVOID**

Fewer trips improves productivity

## **IMPROVE**

Efficiency is drop-in and cost-effective

## **SWITCH**

Use low carbon drop-in fuels like B20, RD

## **BESTRANE / BC SANDS**

Supply chain optimisation

## **7R LOGISTICS**

Saving fuel with driver incentives

## **LENDLEASE**

Using B20, RD in diesel engines