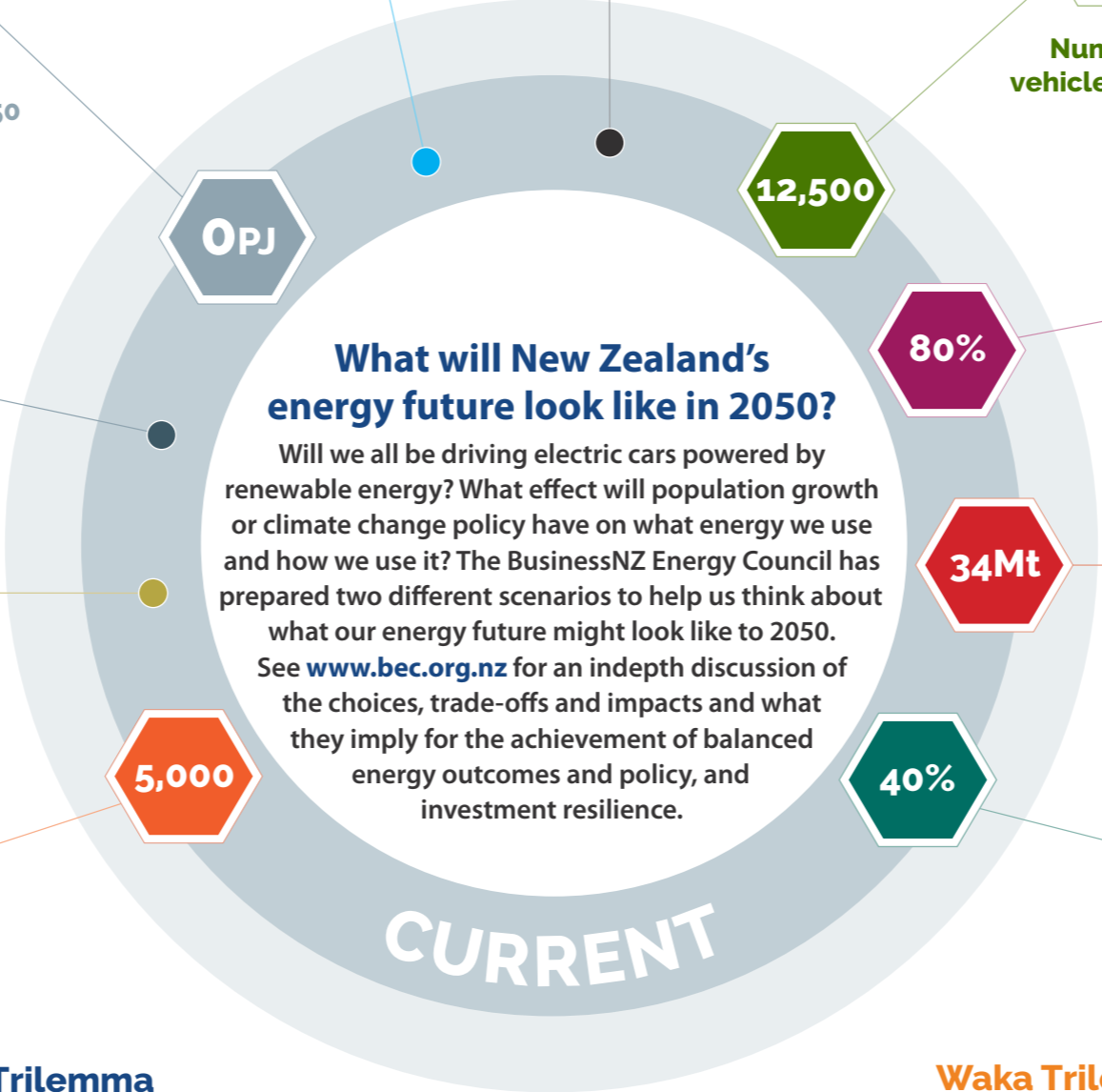


THE KAYAK SCENARIO

THE WAKA SCENARIO



34PJ

20PJ

25%

28%

Reduction through energy efficiency in 2050 compared with today

9%

37%

Reduction in oil consumption in 2050 compared with today

1.65m

3.2m

Number of alternative vehicles on the road in 2050

85%

98%

Renewables in electricity supply in 2050

30Mt

Carbon emissions per annum in 2050

CO₂

18Mt

80%

Renewables as a proportion of total energy in 2050

55%

65%

34Mt

40%

12,500

0PJ

5,000

\$14.4b

Total investment spend in electricity generation cumulative by 2050

\$15.4b

The increase in wind and geothermal power by 2050

250%

257%

Number of solar households in 2050

367,000

960,000

Kayak Trilemma

In a Kayak future, New Zealand enjoys cheaper energy. This reflects relatively low carbon prices and a reliance on markets which drive energy supply towards least cost production.



Waka Trilemma

In a Waka future, New Zealand has placed an emphasis on the environmental quality of energy supply.

