



Electric Farm Utility Vehicles
Carbon & Operational Cost Reduction Overview

UFBCO

Decarbonisation is critical to stop global warming. We need to reduce emissions 45% by 2030 and reach net zero by 2050.

Through compounding inflation over time, operational costs are rising, particularly fuel and servicing costs of vehicles.

UBCO delivers measurable impact to address both of these issues in comparison to other vehicles. Whether its an individual bike or fleet of 1,000 the reduction multiple that UBCO delivers on carbon and operational costs is compelling.

Overview

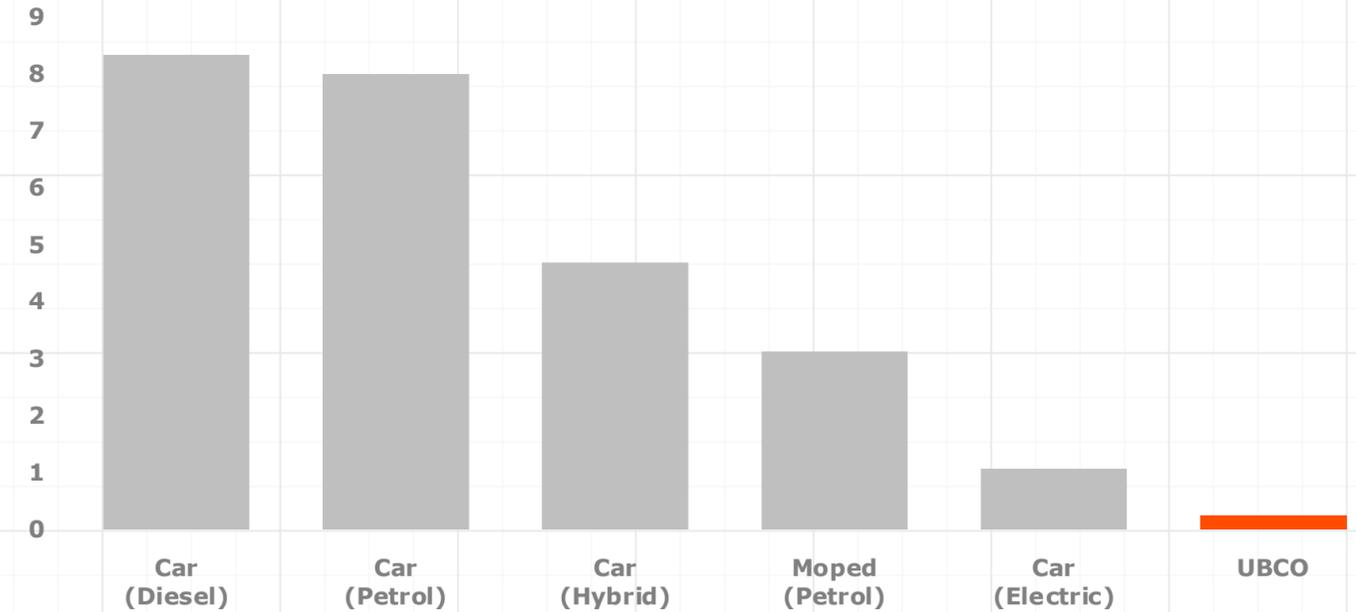
- 1. Vehicle Comparison**
- 2. Quad Bike Comparison**
- 3. Farm Motorbike Comparison**
- 4. Operational Cost Comparison**

1. Vehicle Comparison

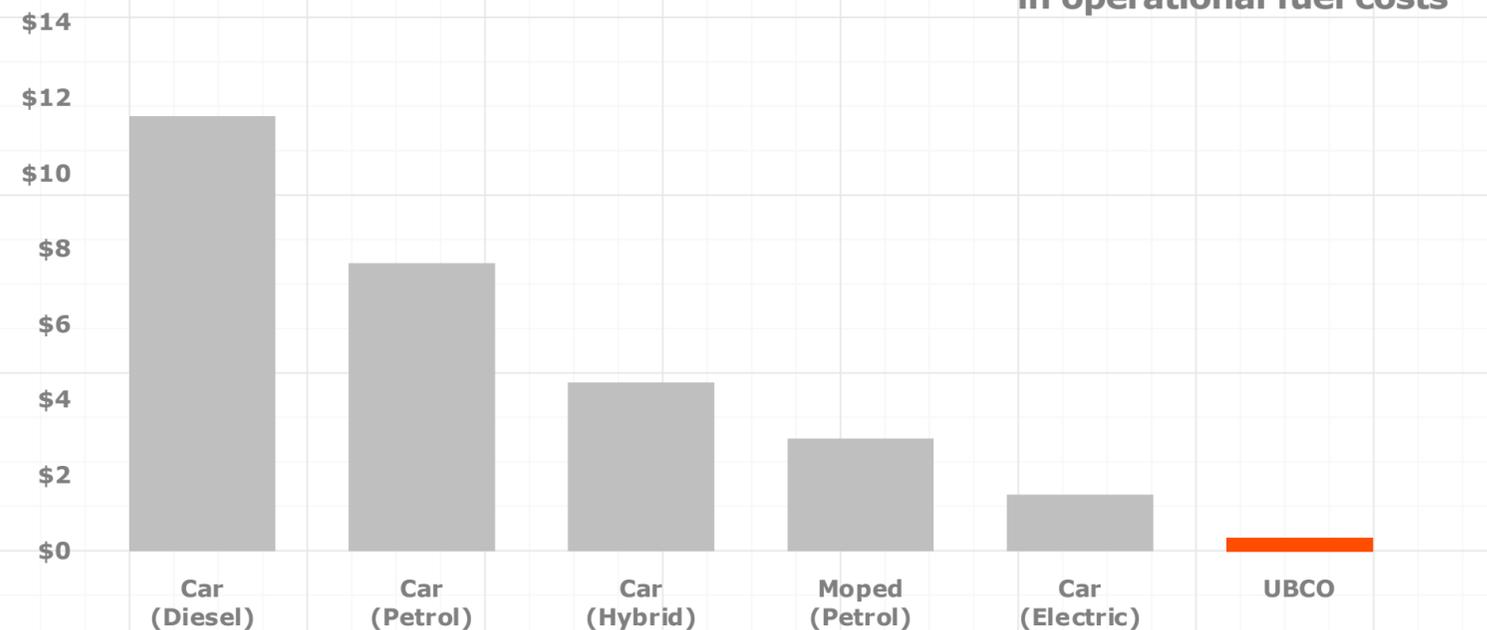
UBCO bikes are designed to significantly reduce both carbon emissions and operational fuel costs.

- The savings in fuel costs, combined with the reduction in servicing costs as a result of less moving parts means that each vehicle will pay for itself in operational savings alone multiple times over its lifetime.

EMITTED tCO₂e OVER 5 YEARS / 50,000KM



\$ SPEND (THOUSAND) OVER 5 YEARS / 50,000KM

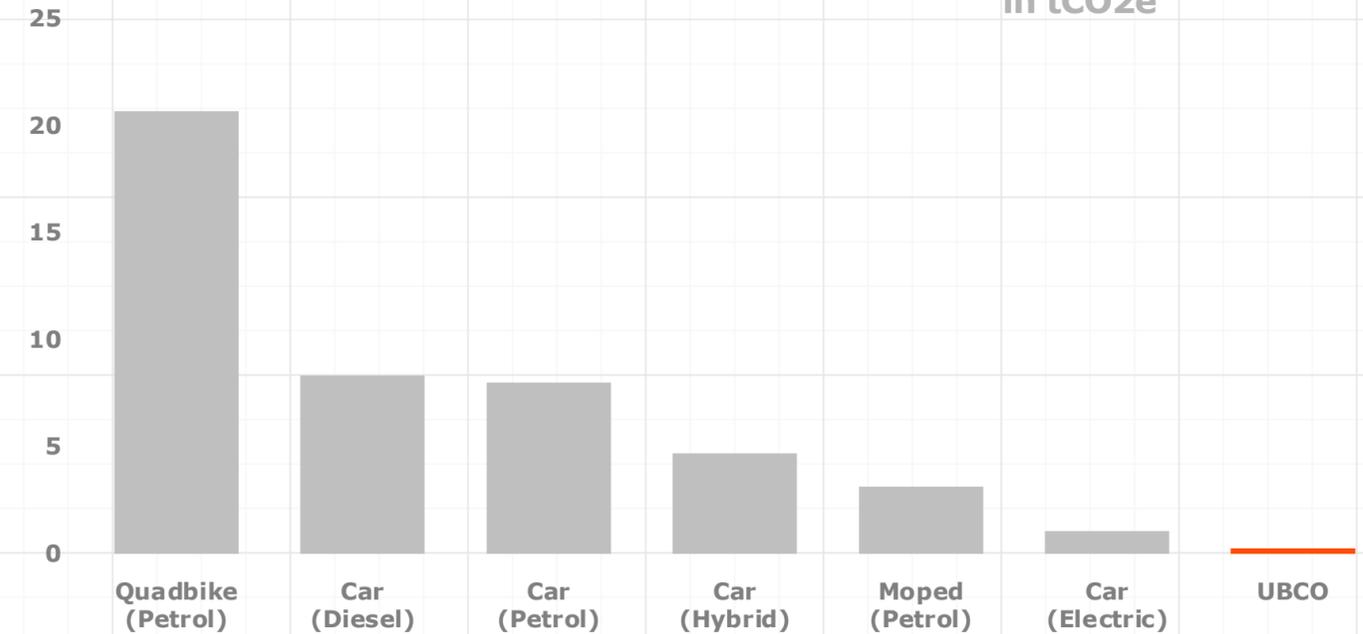


2. Quad Bike Comparison

ICE Quad bikes have been a staple for farm, ranch and conservation uses for decades.

- From a safety perspective quad bikes are significantly more dangerous than 2 wheeled bikes. In addition the carbon emissions profile and fuel costs of ICE Quad bikes are confronting.

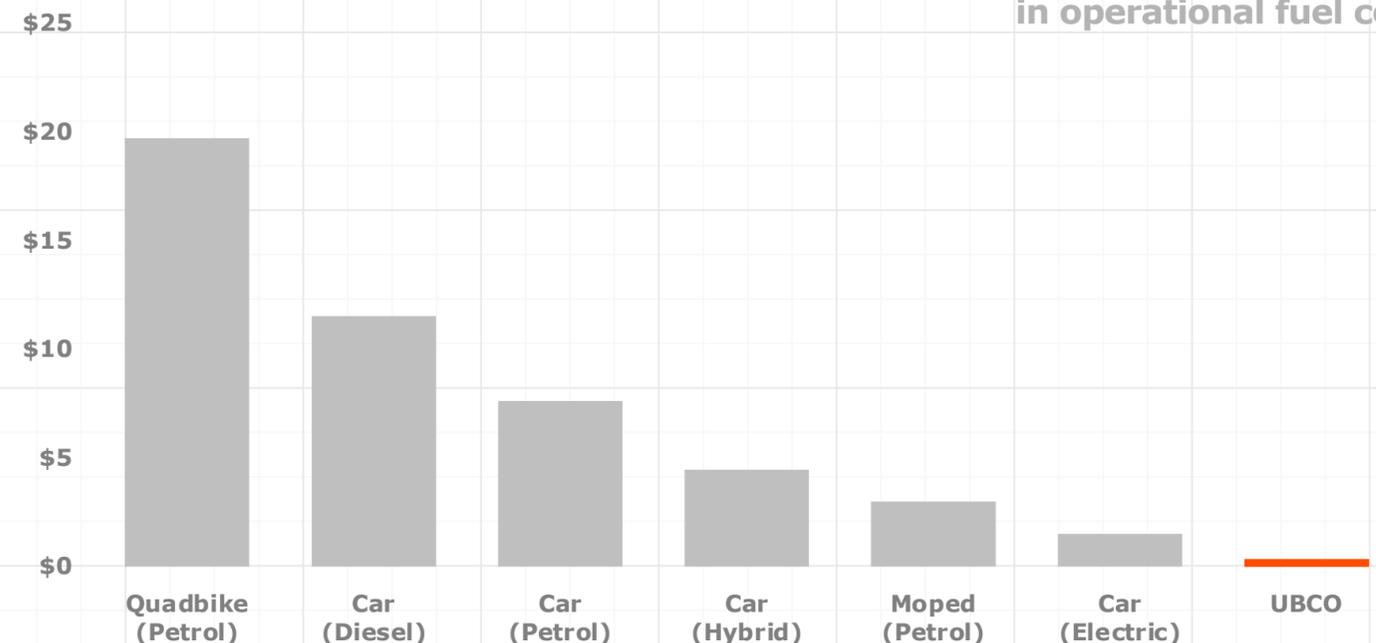
EMITTED tCO2e OVER 5 YEARS / 50,000KM



CARBON IMPACT

Up to 99% reduction in tCO2e

\$ SPEND (THOUSAND) OVER 5 YEARS / 50,000KM



COST IMPACT

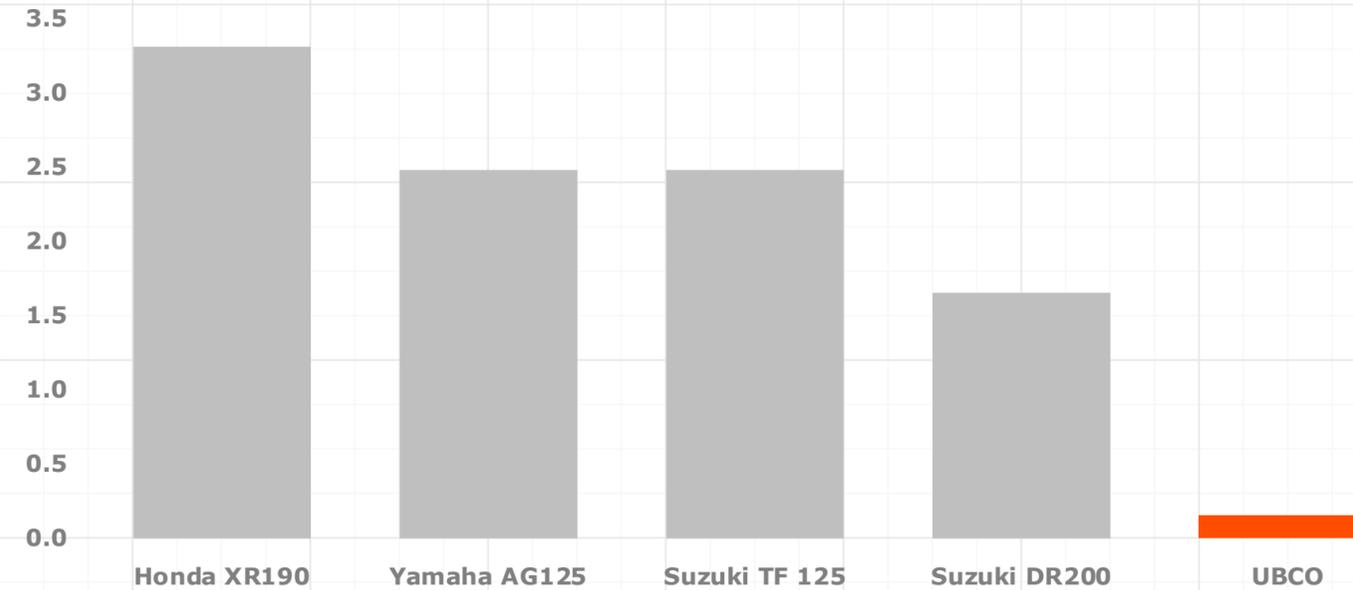
Up to 98% reduction in operational fuel costs

3. Farm Motorbike Comparison

There are four different 2-wheeled motorbikes, which are most common on New Zealand farms:

- Honda XR190
- Yamaha AG125
- Suzuki TF 125
- Suzuki DR200

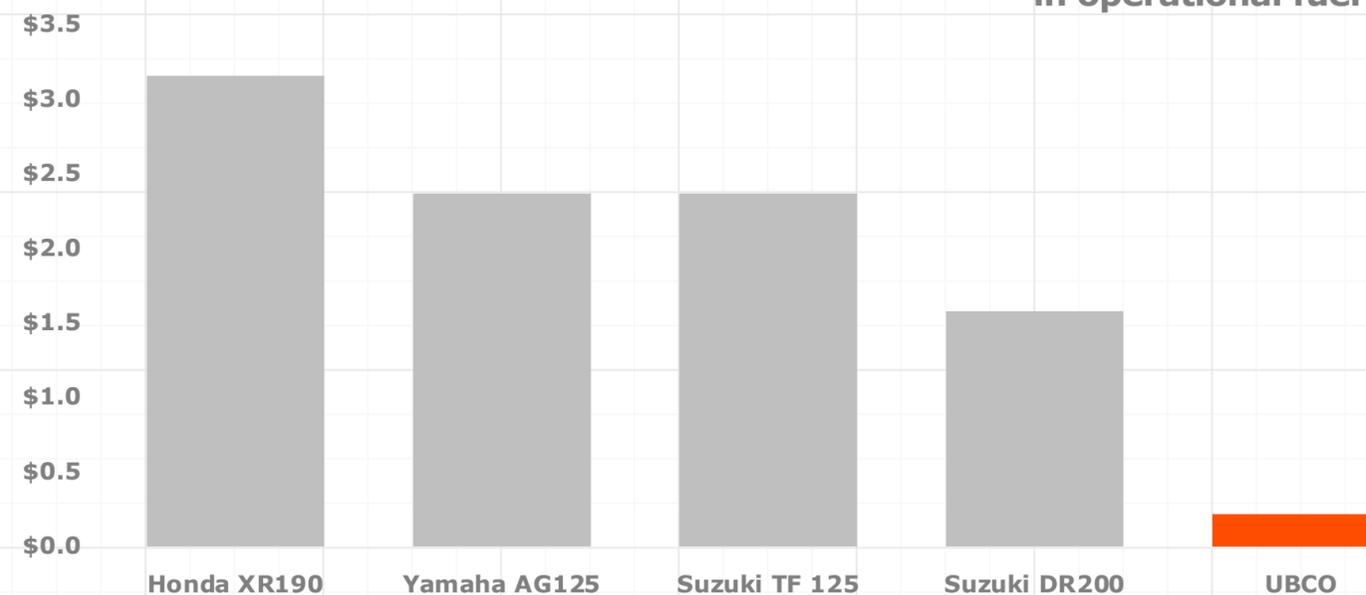
EMITTED tCO2e OVER 1 YEAR / 10,000KM



CARBON IMPACT

Up to 95% reduction in tCO2e

FUEL/ENERGY \$ SPEND (THOUSAND) OVER 1 YEAR / 10,000KM



COST IMPACT

Up to 93% reduction in operational fuel costs

4. Operational Fuel Cost Comparison

VEHICLE	KMS	L/KWH PER 100KM	LITRES /KWH	\$	VS UBCO	VEHICLE
Quadbike (Petrol)	50,000	15.00	7500	\$19725	98%	General
Car (Diesel)	50,000	5.30	2650	\$7720	95%	Mazda CX-3
Car (Petrol)	50,000	5.80	2900	\$7627	95%	Suzuki Swift
Honda XR190	50,000	4.00	2000	\$5260	93%	
Car (Hybrid)	50,000	3.40	1700	\$4471	92%	Toyota Prius
Yamaha AG125	50,000	3.00	1500	\$3945	91%	
Suzuki TF 125	50,000	3.00	1500	\$3945	91%	
Moped (Petrol)	50,000	2.27	1137	\$2989	88%	General
Suzuki DR200	50,000	2.00	1000	\$2630	86%	
Car (Electric)	50,000	16.20	8100	\$1498	76%	MG ZS
UBCO	50,000	3.875	1938	\$358	—	UBCO 3.1kw

NOTES & ASSUMPTIONS

- City driving has been assumed for all cars
- Small Hatchbacks have been selected where possible, using NZ best seller data to identify the closest match
- Diesel running costs includes RUC
- No other running costs have been included outside of Fuel & Power
- Quadbike fuel economy is due to operating conditions and does not offer a like for like comparison against other forms of transport listed
- Due to selected farm motorbike range being primarily aimed at the offroad market, manufacturer fuel economy stats not widely available

Specific Vehicle Comparison

ICE Equivalent Motorbike

Comparing UBCO annual operational fuel costs with an ICE equivalent bike over time (based on 10,000kms per annum)

OWNERSHIP YEARS	ICE MOTORBIKE	UBCO 2X2	OPERATIONAL FUEL COST SAVINGS
1	\$236.70	\$21.49	\$215.21
3	\$710.10	\$64.48	\$645.62
5	\$1,183.50	\$107.47	\$1,076.03
10	\$2,367.00	\$214.95	\$2,152.05

Honda XR190 Motorbike

Comparing UBCO annual operational fuel costs with Honda XR190 over time (based on 10,000kms per annum)

OWNERSHIP YEARS	ICE MOTORBIKE	UBCO 2X2	OPERATIONAL FUEL COST SAVINGS
1	\$315.60	\$21.49	\$294.11
3	\$946.80	\$64.48	\$882.32
5	\$1,578.00	\$107.47	\$1,470.53
10	\$3,156.00	\$214.95	\$2,941.05



UEBCO