

# Operating Heritage Australia

## How much carbon does your historic vehicle emit?

On the table find where your vehicle's km/year intersects with its fuel consumption to find CO<sub>2</sub> emitted in kg.

e.g. Based on the latest FIVA survey, Australian historic cars travel, on average, around 1200 km/yr and, if we assume a 14L/100km (20mpg) fuel consumption, then the amount of carbon dioxide produced is 504kg for the year.

		Road Motor Vehicles						
		kg CO <sub>2</sub> Produced per Year						
	Average fuel consumption L/100 km	km driven per year						
		500	1000	1200	1500	2000	2500	3000
3	45	90	108	135	180	225	270	
4	60	120	144	180	240	300	360	
5	75	150	180	225	300	375	450	
6	90	180	216	270	360	450	540	
7	105	210	252	315	420	525	630	
8	120	240	288	360	480	600	720	
9	135	270	324	405	540	675	810	
10	150	300	360	450	600	750	900	
11	165	330	396	495	660	825	990	
12	180	360	432	540	720	900	1080	
13	195	390	468	585	780	975	1170	
14	210	420	504	630	840	1050	1260	
15	225	450	540	675	900	1125	1350	
16	240	480	576	720	960	1200	1440	
17	255	510	612	765	1020	1275	1530	
18	270	540	648	810	1080	1350	1620	
19	285	570	684	855	1140	1425	1710	
20	300	600	720	900	1200	1500	1800	

As a comparison:

- A human breathes out around 240kg CO<sub>2</sub> per year.
- A medium-sized dog produces (breathing and food) 700-800kg CO<sub>2</sub> per year.
- A typical electric car driving 10,000 km per year and charged from the grid produces around 1150kg per year.

More information, and other items of interest, can be found on Council's website:

[www.heritagemotoringcouncil.org.au](http://www.heritagemotoringcouncil.org.au)

[www.facebook.com/CHMCNSW](https://www.facebook.com/CHMCNSW)

Politicians decision-makers, and the general public need to know that the contribution of historic vehicles to carbon emissions is tiny, and that we are working to eliminate, through wise use, and renewable fuels or offsets, even that small amount.

### What can you do?

- Know how much carbon dioxide your historic vehicle actually emits each year
- Let your family, friends and colleagues know how little CO<sub>2</sub> your historic vehicle emits
- Support your peak bodies' efforts to inform regulators that historic vehicles are not the problem
- Ensure your club and other historic motoring events you attend adopt environmentally appropriate procedures
- Be aware of, and ready to use, suitable e-fuels
- Consider carbon offsetting for your vehicle/s – In 2023 the average historic motor vehicle can offset its total carbon emissions through ethical means for under \$20 per year.

Operating Heritage Australia supports a three-step approach to minimising carbon emissions from historic vehicles and machinery]

1. minimise use of fossil fuels
2. use renewable fuels where appropriate.
3. where no alternative is available, offset emissions by supporting projects that consume more carbon dioxide than we produce.

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