## 2.1. Comparing emissions per vehicle type

- Under the new Travel Policy and Handbook, land-based transport must be booked instead of flights for pointto-point travel between Canberra-Sydney and Sydney-Canberra.
- The CO<sub>2</sub> emissions of a trip will vary by vehicle, fuel type and number of people in a vehicle, as shown in Table 1.
- Emissions range from low (G green), through mid (A - amber) to high (R - red)
- One person driving a car by themselves generates higher emissions than if they were travelling by coach or train or if there were more people in the car.
- Key take away: Shared vehicles are better as a low carbon travel option.

Table 1 - CO <sub>2</sub> emissions by vehicle type and occupancy Canberra-Sydney return trip.		
Vehicle type	CO <sub>2</sub> emissions per person (pp) from low (G - green), through mid (A - amber) to high (R - red)	
Average Flight	133kg	
Rail	26kg (	
Bus/Coach (non-electric)	17kg (G	
Vehicle type - <b>Cars</b>	CO <sub>2</sub> emissions pp for <b>one person</b> alone	CO <sub>2</sub> emissions pp for <b>two people</b> in the vehicle
Petrol small car (Up to 1.4 litre engine)	80kg (A)	40kg (G)
Petrol mid-range (1.4 to 2.0 litre engine)	110kg (A)	55kg (G)
Petrol average large (Above 2.0 l engine)	174kg (R)	87kg (A)
Diesel average large (Above 2.0 l engine)	120kg (R)	60kg (A)
Petrol-Hybrid average small/medium car	60kg (A)	30kg (G)
Petrol-Hybrid large car	90kg (A)	45kg (G)
Plug-In Hybrid average small car	20kg (G)	10kg (G)
Plug-In Hybrid average medium/large	40kg (G)	20kg (G)
Electric – Charged with renewable energy	0kg (G)	0kg (G)



