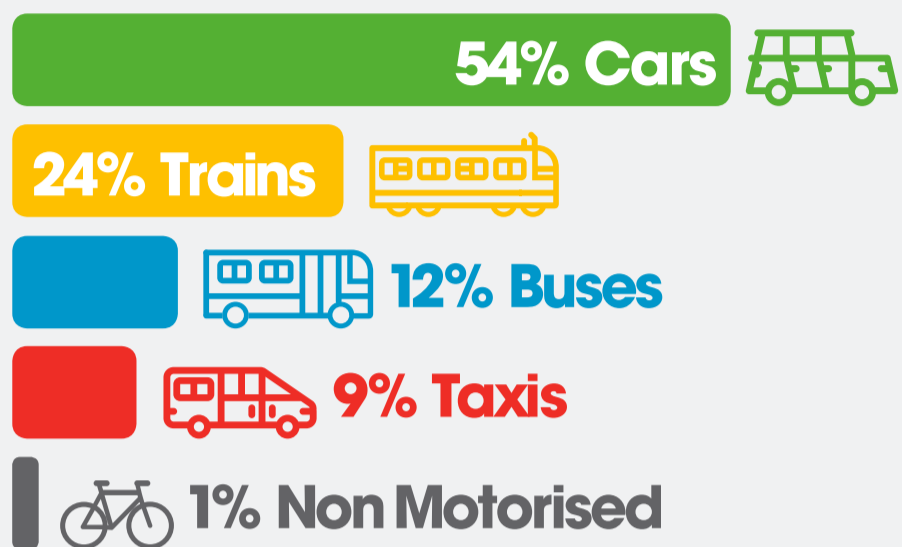


# Transport and Sustainability in the Central City



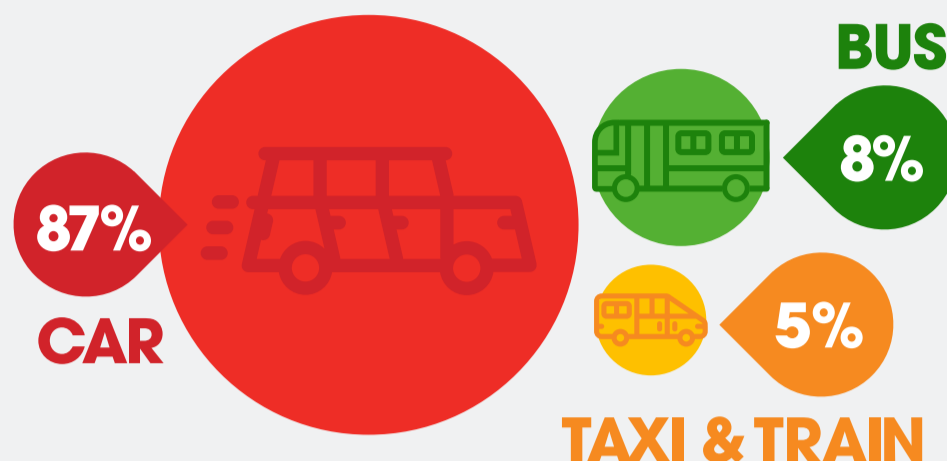
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By totalling all the passenger-kilometres travelled into, around and out of the central city, we get an excellent snapshot of people's regular way of travelling:



**HOWEVER**

Different forms of transport use different amounts of energy:



This means that while they account for 54% of passenger-kilometres, cars use 87% of all transport energy

Transport Energy Efficiency: The Lower, the Better (Megajoules per passenger-kilometre):

- 1.8 PETROL CAR
- 1.2 HYBRID CAR
- 0.9 BUS (Golden Arrow)
- 0.5 BUS (MyCiTi)
- 0.5 MINIBUS TAXIS
- 0.1 TRAINS



## Occupancy matters

The energy used by cars drops significantly when more people ride in one car (Megajoules per passenger-kilometre):



**20 percent**

The increased percentage of CO<sub>2</sub> released during shorter trips



**250 kJ**

Total energy found in 1 egg



To travel 2.5 kilometres by bicycle only uses 250 kJ of energy... while a car uses 30 times more energy to do the same



**8779 TERA JOULES**



The estimated amount of energy required for transportation in 2030 to keep up our current use

We can reduce our future transport energy demand to the following levels:

**8263 TJ**    **7655 TJ**    **7338 TJ**    **6670 TJ**

If we use Own Steam transport like walking and cycling

If we use more public transport like trains as well as buses

If we avoid transport by living closer to work or working from home

If we Travel Smart by ride sharing and carpooling