

Appendix L – Emissions for different modes of transport and estimated emissions savings.

Table 11-3: Emissions for different modes of transport

Transport mode	Average emissions per kilometre (g CO ₂ /km) Information source
Metro train systems	3–21 per person
Light rail	4–22 per person
Bus rapid transit systems	14–22 per person
Average car sold in 2017	182

Adapted from Climate Council (2016). Car emissions data from National Transport Commission (2019). Other data from IPCC (2014).

Table 11-4: Estimated emissions savings

Year	Daily fuel consumption		Annual savings from YRE Project	
	Without YRE Project ('base case') (L/day)	With YRE Project (L/day)	Fuel (L/year)	Greenhouse gas emissions (t CO ₂ -e/year)
2021	5,660,000	5,623,000	10,643,000	28,133
2031	7,416,000	7,369,000	13,387,000	35,386
2035	8,528,000	8,463,000	18,684,000	49,388

Data from internal PTA and Department of Transport modelling.