

10.2 Electric Vehicles.DOC

Table 1: Whole of Life Cost Nissan Leaf vs Hyundai Tucson

	Battery Electric Vehicle	Petrol Vehicle
	Nissan Leaf	Hyundai Tucson
Capital Costs		
Vehicle Purchase Price	\$45,000	\$35,000
Charging Station	\$3,000	
Total Capital Cost	\$48,000	\$35,000
Performance		
Fuel Consumption (L/100km)	-	7.7
Energy Consumption (Wh/km)	173	-
Operating Costs		
Fuel Cost / Year (@ 1.45/L)	-	\$1,675
Electric Charging Cost / Year (@ \$0.25/kWh)	\$649	
Servicing Cost / Year	\$370	\$350
Ancillary Costs / Year	\$240	\$240
Total Operational Cost / Year	\$1,259	\$2,265
Residual Value		
Anticipated Trade on Purchase Price (%)	32	30
Expected Trade Value	\$14,400	\$10,500
Whole of Life		
Total Purchase & Operating Cost over life	\$54,294	\$46,324
Total Cost to Council after Trade	\$39,894	\$35,824
Cost to Council / Year	\$7,979	\$7,165
Cost to Council / km	\$0.53	\$0.48
Assumptions		
Milage/Year	15000	15000
Number of Years retained	5	5