

Table S1. Detail parameters used for the LCC analysis.

Year		2019	2019	2018	2018	2020
Manufacturer		Nissan	BMW	Hyundai	Honda	Perodua
Brand name		Leaf EV	BMW i3s	Ioniq HEV Plus	Jazz 1.5 Hybrid	Perodua Myvi 1.5 High AT
Charging Cost	RM/Year	822.2	832.2	624.15	624.15	
Fuel Consumption cost (Regular petrol cost)		0	0	2462.50368	4925.00736	3881.374848
Fuel Consumption cost (Premium petrol cost)		0	0	2817.67248	5635.34496	4441.188528
Electric Consumption		153.9	148.2	0	1.14	0
Maintenance Cost		3580	1800	1200	1200	900
Tire Cost		370	250	390	200	200
Insurance Cost		5158.89	7501.8	3139.19	2,361.87	1587.04
Taxes & License		20	20	90	90	90
Operating cost (regular petrol cost)		10104.99	10552.2	5443.34	2115.29	2777.04
Operating cost (Premium petrol cost)		10104.99	10552.2	7905.84368	7040.29736	6658.414848
		Nissan Leaf EV	BMW i3s	Ioniq HEV Plus	Jazz 1.5 Hybrid	Perodua Myvi 1.5 High AT
	Operating cost (\$)*	0.083175296	0.08685633	0.045437274	0.017411187	0.022858125
	Operating cost (\$)**	0.083175296	0.08685633	0.065073878	0.05794947	0.054806146
MSRP	RM	188,888.00	279,000.00	109,988.00	80,091.00	50,290.00
		Nissan Leaf EV	BMW i3s	Ioniq HEV Plus	Jazz 1.5 Hybrid	Perodua Myvi 1.5 High AT
	MSRP (\$)	43,825.52	64,733.18	25,519.26	18,582.60	11,668.21

		9444.4	13950	5499.4	4004.55	2514.5
	Disposal Cost	2191.276102	3236.65893	1275.962877	929.1299304	583.4106729
		Nissan Leaf EV	BMW i3s	Ioniq HEV Plus	Jazz 1.5 Hybrid	Perodua Myvi 1.5 High AT
	LCC(\$/km)	1.72	2.50	1.00	0.71	0.46
	LCC(\$/km)**	1.72	2.50	1.00	0.71	0.46