

Table 1

Vehicle	Toyota Prius Prime 2017	Chevrolet Volt 2017	Audi A3 e-Tron 2017	Chevrolet Bolt EV 2017	Tesla Model S P100D
Type	PHEV	PHEV	PHEV	EV	EV
Battery size, kWh	8.8	18.4	8.8	60	100
Level 2 charge rate, kW	3.3	3.3	3.3	7.7	19.2
Level 2 charge time, hours	2.17	4.5	2.25	9.5	5
kWh for full charge	5.72	11.96	5.72	39.00	65.00
Range, all-electric, km	40	85	27	383	507
Fuel consumption, L/100km	4.3	5.5	6.53		
Fuel use, L, equivalent of all-electric range	1.72	4.675	1.7631	0	0
Fuel cost, \$, equivalent of all-electric range	\$2.49	\$6.78	\$2.56	\$0.00	\$0.00
Actual electricity cost, full charge	\$0.65	\$1.36	\$0.65	\$4.45	\$7.41
Excess cost, charging station per session	\$1.85	\$1.14	\$1.85	-\$1.95	-\$4.91
Excess cost, charging station at hourly rate	\$1.52	\$3.14	\$1.60	\$5.05	-\$2.41
Cost saving to use hybrid mode vs per session charging, \$/100km	\$0.02	-\$5.03	-\$0.21	\$0.65	\$0.49
Cost saving to use hybrid mode vs per hour charging, \$/100km	-\$0.81	-\$2.68	-\$1.14	\$2.48	\$0.99
Winter saving to use hybrid mode vs per session charging, \$/100km	\$0.03	-\$10.07	-\$0.42	\$1.31	\$0.99
Winter saving to use hybrid mode vs per hour charging, \$/100km	-\$1.62	-\$5.36	-\$2.27	\$4.96	\$1.97

Table 2

Parameters	
Price of electricity, \$/kWh, tax included	\$0.1026
Price of regular gasoline, \$/L	\$1.450
Range reduction in winter, estimated	50%
Charging efficiency, estimated	90%
Charging station per session cost	\$2.50
Charging station hourly cost	\$1.00
Minimum charge, %	20%
Maximum charge, %	85%