

AJAC Eco-Run 2014 - One-Page Summary

All vehicles were equipped with a monitoring device for the event. The results are summarized below for six specific legs of the event. The logger captured both standard OBD signals and non-standard signals to be able to measure the total energy consumption of the vehicle.

Vehicle	Average Fuel Consumption (Leq/100km)	1				2				3			
		Vancouver to Squamish				Squamish to Whistler				Whistler to Pemberton			
		Elevation Change = 0m				Elevation Change = +667m				Elevation Change = -457m.			
		Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)	Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)	Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)
Accord Hybrid	4.63	2.9		65.8	4.47	3.5		56.9	6.16	Logger accidentally unplugged			
Altima	6.94	4.2		64.7	6.52	4.4		53.1	8.23	1.7		36.3	4.79
C-MAX Energi	4.41	1.7	5.02	63.3	3.51	4.3	-0.37	58.6	7.20	1.1	-0.09	36.8	2.91
Cruze Diesel	5.79	3.5		65.8	5.29	4.2		59.9	7.07	1.6		37.0	4.30
E 250 BlueTEC	6.07	3.8		66.7	5.69	4.0		56.9	6.96	1.9		38.7	4.88
Elantra	6.16	3.8		64.8	5.92	4.0		55.5	7.25	1.7		36.0	4.66
ELR	4.65	4.0	1.43	66.9	6.28	3.4	4.55	58.4	6.63	0.6	1.94	36.9	2.16
GL 350 BlueTEC	8.89	6.1		67.9	8.98	7.0		69.4	10.05	2.5		38.1	6.45
i-MiEV	1.32		7.72	70.2	1.23		8.69	56.8	1.72		2.17	35.1	0.69
LEAF	1.60		9.47	66.4	1.60		10.36	52.3	2.22		3.12	36.5	0.96
Mazda 3 SKYACTIV	5.67	4.1		66.4	6.22	3.4		56.6	6.06	1.6		36.5	4.36
Mazda 6 i-ELOOP	6.57	4.0		66.2	6.09	5.4		63.7	8.47	1.6		35.0	4.62
MINI Cooper	5.44	3.8		64.8	5.93	3.4		55.8	6.00	1.5		31.6	4.84
MKZ Hybrid	5.07	3.3		65.6	5.01	3.6		56.9	6.36	1.1		36.5	3.04
Optima Hybrid	6.07	4.1		66.4	6.19	4.6		58.4	7.87	1.6		37.0	4.35
Panamera S E-Hybrid	5.60	Remove due to data accuracy				0.9	3.51	37.5	3.40				
Ram 1500 EcoDiesel	8.94	6.3		66.5	9.49	5.8		56.7	10.17	2.4		36.7	6.62
S60 Drive-E	6.81	5.6		71.9	7.74	4.3		60.4	7.13	1.8		36.6	4.78
Average	5.59												

Vehicle	Average Fuel Consumption (Leq/100km)	4				5				6			
		Pemberton to Whistler				Whistler to Squamish				Squamish to Vancouver			
		Elevation Change = +457m.				Elevation Change = -667m				Elevation Change = 0m			
		Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)	Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)	Fuel Consumed (L)	Electricity Consumed (kWh)	Distance (km)	Fuel Consumption (Leq/100km)
Accord Hybrid	4.63	Logger accidentally unplugged				2.2		62.1	3.57	2.6		58.7	4.46
Altima	6.94	2.8		32.5	8.54	4.0		62.4	6.33	4.4		59.4	7.34
C-MAX Energi	4.41	1.7	-0.21	32.5	5.29	1.0	5.08	63.4	2.51	3.2	-0.3	62.6	5.06
Cruze Diesel	5.79	2.4		32.6	7.24	3.3		62.7	5.18	3.6		61.3	5.83
E 250 BlueTEC	6.07	3.2		32.5	9.80	3.0		62.0	4.77	3.5		61.3	5.73
Elantra	6.16	2.5		32.2	7.90	3.5		61.8	5.66	3.4		58.3	5.90
ELR	4.65	1.6	3.37	32.5	6.13	0.0	7.73	63.1	1.37	2.5	4.61	59.6	5.10
GL 350 BlueTEC	8.89	3.7		32.5	11.40	4.7		64.8	7.19	5.8		61.1	9.47
i-MiEV	1.32		5.46	34.8	1.76		5.33	62.9	0.95		9.16	67.2	1.53
LEAF	1.60		6.72	37.6	2.00		5.43	58.7	1.04		9.65	62.9	1.72
Mazda 3 SKYACTIV	5.67	2.9		37.2	7.71	2.5		62.7	3.97	3.5		57.8	6.00
Mazda 6 i-ELOOP	6.57	3.0		35.1	8.41	3.9		63.7	6.12	3.3		59.4	5.61
MINI Cooper	5.44	2.1		29.9	7.08	2.2		59.9	3.72	3.3		58.4	5.61
MKZ Hybrid	5.07	2.5		33.2	7.57	2.6		62.7	4.15	2.8		59.1	4.71
Optima Hybrid	6.07	3.1		37.9	8.05	2.6		63.3	4.09	3.8		62.3	6.10
Panamera S E-Hybrid	5.60	2.2	0.25	32.5	6.96	2.9	4.95	71.4	4.87	4.3	0.17	61.5	7.09
Ram 1500 EcoDiesel	8.94	3.3		32.8	10.07	4.6		63.4	7.24	5.8		59.4	9.74
S60 Drive-E	6.81	3.2		37.7	8.60	3.7		62.6	5.94	4.0		61.9	6.39
Average	5.59												