

Government of British Columbia

Model Year 2020 Zero-Emission Vehicle Act Compliance Report

The purpose of this report is to provide data on the status of vehicle supplier's compliance with the British Columbia (B.C.) *Zero Emission Vehicles (ZEV) Act*. The ZEV Act establishes ZEV sales targets reaching 10% of light-duty vehicle sales by 2025, 30% by 2030, and 100% by 2040. To meet the ZEV sales targets that it identifies, the ZEV Act establishes a ZEV unit system in which suppliers must obtain ZEV credits (positive ZEV units) for a model year equal to, or greater than, the ZEV units that will be deducted from their ZEV unit balance each year on the compliance date.

Model Year 2020 Annual Compliance Requirements

Vehicle suppliers are required to demonstrate compliance with the ZEV Act for each model year. For model year 2020 medium and large volume class suppliers must accumulate a minimum number of ZEV credits equivalent to 9.5% of their total consumer sales¹ of model year 2020 light duty vehicles. Small volume suppliers are not required to meet an annual compliance requirement.

Suppliers earn credits for the consumer sales of ZEVs; the credit value is based on the ZEV type and range of the vehicle model. Suppliers can also obtain credits through credit transfers with other suppliers.

Consumer sales of ZEVs generate credits based on the ZEV Class and range of the vehicle model. The definitions of the types of ZEVs eligible to generate credits, and the formulas for calculating credits, are set out in the ZEV Regulation Sections (1) and (14), respectively.

ZEV models are divided into Class A and Class B. Battery electric, hydrogen fuel cell electric, and longer-range extended-range electric vehicles are classified as "ZEV Class A" models. Shorter-range extended range electric vehicles and plug-in hybrid electric vehicles are classified as "ZEV Class B" models. The class of credits a supplier receives corresponds with the ZEV class of the vehicle that was sold. Medium volume supplier compliance requirements can be met with either Class A or Class B credits. For model year 2020, large volume supplier compliance requirements must be met with at least 6% Class A credits, while the remaining 3.5% may be met with Class B or Class A credits.

The table below shows the volume class and credit requirements for vehicle suppliers that have a ZEV requirement for model year (MY) 2020. The table also shows suppliers' total number of new model year 2020 light-duty consumer sales in B.C., which is used to calculate suppliers' compliance credit requirements.

Vehicle Supplier	Volume Classification	Total Light-duty Consumer Sales MY 2020	Minimum A Credits Required	A or B Credits Required	Total Credits Required
BMW	Large	5,280	316.80	184.80	501.60
FCA	Large	12,630	757.80	442.05	1,199.85
Ford	Large	17,157	1,029.42	600.50	1,629.92
GM	Large	12,400	744.00	434.00	1,178.00

¹ A consumer sale is the retail sale or lease of a motor vehicle in B.C. that is the first retail sale or lease of that motor vehicle in B.C. (Section 1 *ZEV Act*)

Honda	Large	15,490	929.40	542.15	1,471.55
Hyundai	Large	9,627	577.62	336.95	914.57
Jaguar Land Rover	Medium	2,666	-	253.27	253.27
Kia	Large	8,002	480.12	280.07	760.19
Mazda	Large	4,709	282.54	164.82	447.36
Mercedes	Large	6,044	362.64	211.54	574.18
Mitsubishi	Medium	2,392	-	227.24	227.24
Nissan	Large	9,130	547.80	319.55	867.35
Porsche	Medium	1,529	-	145.26	145.26
Subaru	Large	5,284	317.04	184.94	501.98
Tesla	Medium	6,626	-	629.47	629.47
Toyota	Large	29,080	1,744.80	1017.80	2,762.60
Volkswagen	Large	5,460	327.60	191.10	518.70
Volvo	Medium	1,041	-	98.90	98.90
Total		141,917	8,417.58	6264.41	14,681.99

Credits Issued During Model Year 2020 Compliance Period

The table below shows the number of consumer ZEV sales, and the number of credits issued to each supplier, by ZEV class, during the model year 2020 compliance period.

Model Year 2020 Compliance Period				
Vehicle Supplier	ZEV Class A Consumer Sales	ZEV Class A Credits Issued	ZEV Class B Consumer Sales	ZEV Class B Credits Issued
BMW	134	239.40	212	97.08
FCA	-	-	777	453.24
Ford	552	1589.58	305	171.99
GM	2,208	6,570.54	297	305.91
Honda	-	-	312	243.36
Hyundai	2,333	6,209.12	560	330.24
Jaguar	135	383.4	75	36.75
Kia	1,854	4,840.22	774	433.86
Mazda	-	-	-	-
Mercedes	56	60.4	41	19.16
Mitsubishi	-	-	1711	889.72
Nissan	1853	4072.4	-	-
Porsche	261	657.54	106	46.58
Subaru	-	-	-	-
Tesla	18,021	57,858.01		
Toyota	18	65.16	2,097	1,572.75

Volkswagen	973	1,923.32	119	59.46
Volvo	-	-	203	99.05
Total	28,398	84,469.09	7,589	4759.15

Vehicle Supplier Credit Transfers

Below are the recorded credit transfers, by ZEV Class and model year, for the model year 2020 adjustment period from October 1, 2020 to September 30, 2021.

Seller	ZEV Class of Credit	Model Year of Credits	Total Credits
Hyundai	A	2019	413
Tesla	A	2019	19,335
	A	2020	17,605
		TOTAL	37,353

Buyer	ZEV Class of Credit	Model Year of Credits	Total Credits
BMW	A	2019	413
FCA	A	2019	1,908
	A	2020	3,092
Honda	A	2019	5,487
	A	2020	14,513
Mazda	A	2019	1,940
Mercedes-Benz	A	2019	2,000
Subaru	A	2019	1,400
Toyota	A	2019	6,600
		TOTAL	37,353

Vehicle Supplier Credit Balances for Model Year 2020

The table below shows each suppliers' credit balance prior to, and after, their compliance credit reduction, as well as the compliance ratio credit reduction, broken down by ZEV Class, on the model year 2020 compliance date of September 30th, 2021.

For model year 2020, all suppliers were assessed to be in compliance with section 10(2) of the ZEV Act.

Vehicle Supplier	ZEV Class of Credit	Credit Balance Before Compliance Reduction	Compliance Ratio Credit Reduction	Credit Balance After Compliance Reduction
BMW	A	652.40	404.52	247.88
	B	97.08	97.08	0.00
FCA	A	5,000.00	757.80	4,242.20
	B	453.24	442.05	11.19
Ford	A	1,589.58	1,457.92	131.65
	B	171.99	171.99	0.00
GM	A	6,570.54	872.09	5,698.45
	B	305.91	305.91	0.00
Honda	A	20,000.00	1,228.19	18,771.81
	B	243.36	243.36	0.00
Hyundai	A	5,796.12	584.33	5,211.79
	B	330.24	330.24	0.00
Jaguar	A	383.40	216.52	166.88
	B	36.75	36.75	0.00
Kia	A	4,840.22	480.12	4,360.10
	B	433.86	280.07	153.79
Mazda	A	1,940.00	447.36	1,492.64
	B	0.00	0.00	0.00
Mercedes	A	2,060.40	555.02	1,505.38
	B	19.16	19.16	0.00
Mitsubishi	A	0.00	0.00	0.00
	B	889.72	227.24	662.48
Nissan	A	4,072.40	867.35	3205.05
	B	0.00	0.00	0.00
Porsche	A	657.54	98.68	558.86
	B	46.58	46.58	0.00
Subaru	A	1,400.00	501.98	898.02
	B	0.00	0.00	0.00
Tesla	A	20,918.01	629.47	20,288.54
	B	0.00	0.00	0.00
Toyota	A	6,665.16	1,744.80	4,920.36
	B	1,572.75	1,017.80	554.95
Volkswagen	A	1,923.32	459.24	1,464.08
	B	59.46	59.46	0.00
Volvo	A	0.00	0.00	0.00
	B	99.05	98.90	0.15
Total		89,228.24	14,681.98	74,546.26

