

Massachusetts Low Emission Vehicle Program

2020 Zero Emission Vehicle Credits

Manufacturer Volume Status

The Zero Emission Vehicle (ZEV) Regulation requires large and intermediate volume vehicle manufacturers to deliver and place in service within Massachusetts (MA) a certain percent of ZEVs (such as battery electric and fuel cell vehicles), and plug-in hybrids. The table below lists the 2020 vehicle manufacturers subject to the ZEV requirements.

2020 Manufacturer Volume Status	
Large	Intermediate
BMW	Jaguar Land Rover
Daimler AG	Mazda
Fiat Chrysler	Subaru Corporation
Ford	Tesla
GM	Volvo
Honda	
Hyundai	
Kia	
Nissan	
Toyota	
Volkswagen	

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2020 ZEV requirement is based on a percentage of all passenger cars and light-duty trucks (LDTs) from 0 to 8,500 pounds, delivered for sale in MA. The table below is the 2020 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2020 Vehicle Production Delivered for Sale in MA	
Manufacturer	Light-Duty Passenger Cars & Trucks
BMW	7,981
Daimler AG	6,979
Fiat Chrysler	32,006
Ford	23,493
GM	28,471
Honda	37,020
Hyundai	14,133
Jaguar Land Rover	3,724

Kia	1,801
Mazda	6,569
Nissan	15,321
Subaru Corporation	20,146
Tesla	3,990
Toyota	45,885
Volkswagen	12,088
Volvo	4,345
TOTAL	263,952

Manufacturer Credit Balances

In complying with the ZEV Regulation, manufacturers delivering and placing vehicles in MA generate varying credits based on vehicle type. There are also other parties generating credits that do not have ZEV requirements. The table below lists the credit balances as of August 31, 2021 generated since the start of MA ZEV Program. The credits are in units of ZEV credits.

Manufacturer	FCV	BEV	BEVx	NEV+	DISCOUNT AT PZEV and PZEV	TZEV
BMW	0.00	1,505.24	3,660.32	0.00	0.00	0.00
Fiat Chrysler	0.00	24,925.00	0.00	13,805.78	0.00	0.00
Ford	0.00	15,315.85	0.00	971.74	378.04	302.96
GM	0.00	28,782.36	0.00	7,761.46	0.00	3,337.28
Honda	2,325.74	5,781.73	0.00	265.93	0.00	0.00
Hyundai	668.37	1,320.66	0.00	0.00	306.76	94.17
Jaguar Land Rover	0.00	567.62	0.00	0.00	0.00	12.76
KIA	0.00	2,627.51	0.00	0.00	169.79	42.70
Lightning Systems	0.00	0.00	0.00	0.00	0.00	0.00
Mazda	0.00	516.88	0.00	0.00	0.00	0.00
Mercedes-Benz AG	0.00	1,781.02	0.00	0.00	0.00	3,280.89
Mitsubishi	0.00	510.69	0.00	0.00	331.01	254.40
Nissan	0.00	8,999.77	0.00	0.00	(0.01)	0.00
Polaris	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	30,338.49	0.00	0.00	1,080.28	160.17
Tesla	0.00	28,657.41	0.00	0.00	0.00	0.00
Toyota	0.00	27,700.83	0.00	4,636.67	1,089.55	1,857.40
Volkswagen	0.00	7,365.89	0.00	0.00	(0.01)	75.60
Volvo	0.00	0.00	0.00	0.00	405.65	219.85
Zipcar	0.00	0.00	0.00	0.00	60.36	0.00
Total	2,994.11	186,696.94	3,660.32	27,441.58	3,821.42	9,638.18

Description of Credit Balances:

FCV = Fuel cell vehicle

BEV = Battery electric vehicle

BEVx = Range extended battery electric vehicles

NEV = Neighborhood Electric Vehicle

Discount AT PZEV and PZEV = Conversion of Advanced Technology Partial Zero Emission Vehicle (clean hybrids) and Partial Zero Emission Vehicle (clean gasoline) per 1962.1(g)(2)(f)

TZEV = Transitional Zero Emission Vehicle (plug-in hybrids)

Manufacturer Transfers

Manufacturers may transfer credits between manufacturers and third parties. Below are the ZEV credit transfers recorded between **October 1, 2020 and August 31, 2021**.

MA ZEV credit transfers recorded between October 1, 2020 and August 31, 2021		
Transferor	Vehicle Type	Total Credits
Tesla	BEV	2,971.00
	Total	2,971.00

Transferee	Vehicle Type	Total Credits
Honda	BEV	2,488.00
Mitsubishi	BEV	483.00
	Total	2,971.00

More Information

- Current California ZEV Regulation <https://ww2.arb.ca.gov/our-work/programs/zero-emission-vehicle-program/current-zero-emission-vehicle-regulation>
- Current Massachusetts LEV Regulation <https://www.mass.gov/regulations/310-CMR-700-air-pollution-control> (see 7.40 Low Emission Vehicles)
- 2009+ ZEV Credit Archive <https://www.mass.gov/info-details/massachusetts-zero-emission-vehicle-zev-credits> (see Historical Information)

Contact Us

For more information please contact the Low Emission Vehicle Program at 617-292-5762.