

Massachusetts Low Emission Vehicle Program

2023 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 2023 vehicle manufacturers subject to the ZEV requirements.

2023 Manufacturer Volume Status	
Large	Intermediate
BMW	Jaguar Land Rover
Fiat Chrysler	Mazda
Ford	Mitsubishi
GM	Subaru Corporation
Honda	Tesla
Hyundai	Volvo
KIA	
Mercedes-Benz AG	
Nissan	
Toyota	
Volkswagen	

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2023 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 2023 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2023 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger Cars, LDT1, LDT2
BMW	8,194
Fiat Chrysler	25,327
Ford	24,485
GM	31,466
Honda	25,425
Hyundai	21,394
Jaguar Land Rover	3,013
Kia	16,807
Mazda	9,838

Mercedes-Benz AG	6,141
Mitsubishi	2,011
Nissan	21,563
Subaru Corporation	17,875
Tesla	15,104
Toyota	48,582
Volkswagen	16,920
Volvo	4,661
TOTAL	298,806

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 October 17, 2024 generated since the start of MA ZEV Program. The credits are in units of ZEV credits.

Manufacturer	FCV	BEV	BEVx	NEV+	DISCOUNT	TZEV
BMW	0.00	3,929.49	1,696.15	0.00	0.00	401.93
BYD Motors Inc.	0.00	0.00	0.00	0.00	0.00	0.00
FARADAY&FUTURE INC	0.00	0.00	0.00	0.00	0.00	0.00
Fiat Chrysler	0.00	12,582.20	0.00	12,572.67	0.00	752.39
FISKER	0.00	0.00	0.00	0.00	0.00	0.00
Ford	0.00	17,891.36	0.00	2.43	0.00	3.21
GM	0.00	16,503.86	0.00	0.00	0.00	0.00
Honda	1,634.48	0.00	0.00	48.13	0.00	2.42
Hyundai	0.00	9,835.87	0.00	0.00	0.00	0.00
Jaguar Land Rover	0.00	0.00	0.00	0.00	0.00	0.00
KIA	0.00	4,955.91	0.00	0.00	0.00	51.64
Lightning Systems	0.00	0.00	0.00	0.00	0.00	0.00
LUCID	0.00	220.00	0.00	0.00	0.00	0.00
Mazda	0.00	6,330.64	0.00	0.00	0.00	0.00
Mercedes-Benz AG	0.00	1,964.86	0.00	0.00	0.00	2,978.95
MILES	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	1,022.02	0.00	0.00	0.00	220.16
Nissan	0.00	701.34	0.00	0.00	0.00	0.00
Polaris	0.00	0.00	0.00	0.00	0.00	0.00
RIVIAN	0.00	4,168.24	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	22,925.94	0.00	0.00	0.00	0.00
Tesla	0.00	127,460.93	0.00	0.00	0.00	0.00
Toyota	0.00	18,170.86	0.00	2,615.95	0.00	6,672.55
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00

Volkswagen	0.00	12,979.97	0.00	0.00	0.00	114.80
Volvo	0.00	5,797.33	0.00	0.00	55.08	0.00
ZENITH	0.00	0.00	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	0.00	0.00	0.00	0.00

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, 2023 and August 31, 2024**.

Transferor	Vehicle Type	Total Credits
LUCID	BEV	844.00
RIVIAN	BEV	2,668.55
Tesla	BEV	4,761.00
	Total	8,273.55

Transferee	Vehicle Type	Total Credits
Mazda	BEV	7,761.55
Mitsubishi	BEV	512.00
	Total	8,273.55

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.