

Massachusetts Low Emission Vehicle Program

2017 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), clean plug-in hybrids, clean hybrids and clean gasoline vehicles with near-zero tail pipe emissions. The table below lists the 2017 vehicle manufacturers subject to the ZEV requirements.

2017 Manufacturer Volume Status	
Large	Intermediate
Fiat Chrysler	BMW
Ford	Daimler AG
GM	Hyundai
Honda	Jaguar Land Rover
Nissan	Kia
Toyota	Mazda
	Subaru Corporation
	Volkswagen

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2017 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 2017 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2017 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	9,811
Daimler AG	8,950
Fiat Chrysler	37,237
Ford	36,964
GM	38,536
Honda	48,364
Hyundai	20,692
Jaguar Land Rover	3,271
Kia	13,316
Mazda	6,593
Nissan	26,317
Subaru Corporation	23,958

Toyota	72,119
Volkswagen	21,324
Volvo	3,607
TOTAL	371,059

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, 2018 generated since the start of MA ZEV Program. The credits are in units of ZEV credits (2012 and prior, credits were expressed in grams per mile non-methane organic gas [NMOG]).

Manufacturer	FCV	BEV	BEVx	NEV+	TZEV	AT PZEV	PZEV
BMW	0.00	2,037.21	0.00	0.00	0.00	0.00	0.00
BYD Motors Inc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daimler AG	159.11	6,269.73	0.00	0.00	0.00	0.00	0.00
Fiat Chrysler	0.00	33,594.40	0.00	14,707.25	0.00	0.00	0.00
Ford	414.86	18,319.38	0.00	1,763.40	2,423.90	502.72	3,738.71
GM	0.00	26,173.68	0.00	8,615.91	3,948.99	0.00	80.62
Honda	1,951.74	3,818.99	0.00	846.95	0.00	0.00	8,331.08
Hyundai	1,226.86	330.14	0.00	0.00	0.00	432.76	1,855.15
Jaguar Land Rover	0.00	585.12	0.00	0.00	0.00	0.00	721.24
Kia	724.34	2,358.27	0.00	0.00	15.12	319.75	1,163.38
Mazda	0.00	471.94	0.00	0.00	0.00	0.00	1,181.77
MILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	27.69	0.00	0.00	0.00	0.00	1,324.06
Nissan	482.29	11,783.53	0.00	0.00	0.00	0.00	4,553.71
Polaris	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	31,921.31	0.00	0.00	0.00	267.85	17,323.77
Tesla	0.00	2,303.68	0.00	0.00	0.00	0.00	0.00
Toyota	0.00	34,318.57	0.00	6,160.70	4,091.31	4,358.18	0.00
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	1,363.43	7,170.20	0.00	0.00	251.90	127.8	542.94
Volvo	0.00	0.00	0.00	0.00	308.55	0.00	1,748.60
ZENITH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	0.00	0.00	0.00	104.29	137.14
Total	6,322.63	181,483.83	0.00	32,094.21	11,039.77	6,113.35	42,702.17

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, 2017 and August 31, 2018**.

MA ZEV credit transfers recorded between October 1, 2017 and August 31, 2018		
Transferor	Vehicle Type	Total Credits
Fiat Chrysler	BEV	48.00
Tesla	BEV	7,498.32
	Total	7,546.32

Transferee	Vehicle Type	Total Credits
Honda	BEV	48.00
Toyota	BEV	7,498.32
	Total	7,546.32

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.