

Massachusetts Low Emission Vehicle Program

2014 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 2014 vehicle manufacturers subject to the ZEV requirements.

2014 Manufacturer Volume Status	
Large	Intermediate
Fiat Chrysler	BMW
Ford	Hyundai
GM	Jaguar Land Rover
Honda	Kia
Nissan	Mazda
Toyota	Mercedes Benz
	Subaru
	Volkswagen

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2014 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 2014 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2014 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	9,854
Daimler AG	7,890
Fiat Chrysler	41,013
Ford	42,588
GM	39,296
Honda	49,330
Hyundai	11,436
Jaguar Land Rover	2,125
Kia	9,731
Mazda	7,810
Nissan	25,268
Subaru Corporation	20,209

Toyota	60,607
Volkswagen	17,081
Volvo	1,564
TOTAL	345,802

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, 2015 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	171.00	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	2,155.34	1,537.80	0.00	0.00	0.00	0.00	42.69
Fiat Chrysler	0.00	3,920.40	0.00	17,800.77	0.00	672.11	0.00
Ford	414.86	5,040.11	0.00	3,897.43	1,026.90	1,148.37	7,534.29
GM	121.14	7,292.09	0.00	13,939.09	3,064.62	1,173.21	108.60
Honda	1,713.89	4,768.14	0.00	0.00	674.54	418.63	8,465.28
Hyundai	736.00	0.00	0.00	0.00	0.00	313.51	4,620.97
Jaguar Land Rover	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kia	724.34	0.00	0.00	0.00	0.00	256.30	545.86
Mazda	0.00	0.00	0.00	0.00	0.00	00.00	1,359.09
MILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	11.69	0.00	0.00	0.00	0.00	1,324.06
Nissan	482.29	6,639.00	0.00	0.00	1,341.14	0.00	7,040.29
Polaris	0.00	0.00	0.00	4.80	0.00	0.00	0.00
Subaru Corporation	0.00	0.00	0.00	0.00	0.00	218.35	8,915.86
Tesla	0.00	1,112.00	0.00	0.00	0.00	0.00	0.00
Toyota	265.82	1,735.74	0.00	8,479.29	1,688.84	15,305.16	0.00
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	1,363.43	228.97	0.00	0.00	0.00	113.85	791.63
Volvo	0.00	0.00	0.00	0.00	0.00	0.00	1,599.60
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	7,977.11	32,456.94	0.00	44,121.38	7,796.04	19,723.78	42,485.36

Description of Credit Balances:

FCV = Fuel cell vehicle

BEV = Battery electric vehicle

BEVx = Range extended battery electric vehicles

NEV = Neighborhood Electric Vehicle

TZEV = Transitional Zero Emission Vehicle (plug-in hybrids)
AT PZEV = Advanced Technology Partial Zero Emission Vehicle
PZEV = Partial Zero Emission Vehicle

Manufacturer Transfers

Manufacturers may transfer credits between manufacturers and third parties. Below are the ZEV credit transfers recorded between **October 1, 2014 and August 31, 2015**.

MA ZEV credit transfers recorded between October 1, 2014 and August 31, 2015		
Transferor	Vehicle Type	Total Credits
Fiat Chrysler	NEV+	6,000.00
Nissan	BEV	879.00
Tesla	BEV	944.00
Toyota	AT PZEV	1,000.00
	Total	8,823.00

Transferee	Vehicle Type	Total Credits
Fiat Chrysler	AT PZEV	1,000.00
Fiat Chrysler	BEV	200.00
Ford	BEV	1,623.00
Toyota	NEV+	6,000.00
	Total	8,823.00

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.