

Massachusetts Low Emission Vehicle Program

2015 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 2015 vehicle manufacturers subject to the ZEV requirements.

2015 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 2015 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 2015 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2015 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	10,709
Daimler AG	8,918
Fiat Chrysler	46,643
Ford	31,731
GM	40,241
Honda	51,643
Hyundai	13,506
Jaguar Land Rover	2,077
Kia	12,973
Mazda	6,241
Nissan	28,931
Subaru Corporation	26,480

Toyota	77,383
Volkswagen	18,873
Volvo	3,003
TOTAL	379,164

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, 2016 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	234.00	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	1,836.11	5,907.55	0.00	0.00	0.00	0.00	0.00
Fiat Chrysler	0.00	13,898.39	0.00	17,401.40	0.00	484.16	219.34
Ford	414.86	4,799.59	0.00	3,250.01	1,328.96	805.77	6,304.59
GM	0.00	8,109.09	0.00	12,878.87	3,072.26	859.22	640
Honda	0.00	7,844.77	0.00	0.00	0.00	115.44	9,584.90
Hyundai	923.84	0.00	0.00	0.00	0.00	432.76	4,159.81
Jaguar Land Rover	0.00	266.22	0.00	0.00	0.00	0.00	112.24
Kia	724.34	516.38	0.00	0.00	0.00	293.65	1,057.57
Mazda	0.00	375.00	0.00	0.00	0.00	0.00	1,131.57
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	5,092.36	0.00	0.00	1,341.14	0.00	5,760.31
Polaris	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	0.00	0.00	0.00	0.00	262.45	12,235.65
Tesla	0.00	4,684.00	0.00	0.00	0.00	0.00	0.00
Toyota	0.00	2,892.55	0.00	7,730.89	951.47	12,011.01	0.00
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	1,363.43	606.97	0.00	0.00	0.00	120.6	1,075.85
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	5,744.86	55,238.57	0.00	41,261.17	6,693.83	15,489.35	45,342.63

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, 2015 and August 31, 2016**.

MA ZEV credit transfers recorded between October 1, 2015 and August 31, 2016		
Transferor	Vehicle Type	Total Credits
Nissan	BEV	288.00
Polaris	NEV+	4.80
Tesla	BEV	375.00
	Total	667.80

Transferee	Vehicle Type	Total Credits
Fiat Chrysler	NEV+	4.80
Ford	BEV	288.00
Mazda	BEV	375.00
	Total	667.80

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.