

Massachusetts Low Emission Vehicle Program

2013 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 2013 vehicle manufacturers subject to the ZEV requirements.

2013 Manufacturer Volume Status	
Large	Intermediate
Chrysler Group	BMW
Ford	Hyundai
GM	Kia
Honda	Land Rover
Nissan	Mazda
Toyota	Mercedes Benz
	Subaru
	Volkswagen

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2013 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 2013 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2013 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	10,492
Daimler AG	5,937
Fiat Chrysler	24,198
Ford	41,746
GM	31,606
Honda	49,490
Hyundai	22,959
Jaguar Land Rover	1,988
Kia	11,530
Mazda	5,399
Nissan	25,443
Subaru Corporation	16,097

Toyota	64,765
Volkswagen	17,400
Volvo	2,778
TOTAL	331,828

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, 2014 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	497.66	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	969.57	0.00	0.00	0.00	0.00	0.00
Fiat Chrysler	0.00	4,110.49	0.00	25,434.57	0.00	2.337	0.00
Ford	414.86	3,555.14	0.00	4,659.26	553.34	50.4	279.24
GM	121.14	6,589.55	0.00	14,843.20	2,544.63	56.89	11.45
Honda	2,131.77	4,717.14	0.00	0.00	1,668.86	43.59	263.45
Hyundai	736.00	0.00	0.00	0.00	0.00	6.34	191.36
Jaguar Land Rover	0.00	0.00	0.00	0.00	0.00	0.00	5.674
Kia	724.34	0.00	0.00	0.00	0.00	3.53	17.28
Mazda	0.00	0.00	0.00	0.00	0.00	0.00	74.85
MILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	6.69	0.00	0.00	0.00	0.00	46.342
Nissan	482.29	6,639.00	0.00	0.00	1,341.14	0.00	246.41
Polaris	0.00	0.00	0.00	1.80	0.00	0.00	0.00
Subaru Corporation	0.00	0.00	0.00	0.00	0.00	0.00	327.61
Tesla	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toyota	398.28	2,082.08	0.00	3,149.00	2,333.43	654.75	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	2.77	39.75
Volvo	0.00	0.00	0.00	0.00	0.00	0.00	58.22
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	3.650	4.800
Total	8,527.45	29,396.29	0.00	48,087.83	8,441.40	23,556.057	44,755.314

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, 2013 and August 31, 2014**.

MA ZEV credit transfers recorded between October 1, 2013 and August 31, 2014		
Transferor	Vehicle Type	Total Credits
Tesla Motors	ZEV	261.473
Polaris	ZEV	0.53
Ford	PZEV	4.826
Mitsubishi	ZEV	2.101
	Total	268.930

Transferee	Vehicle Type	Total Credits
Toyota	ZEV	42.945
Chrysler Group	ZEV	89.758
Honda	ZEV	129.300
Jaguar Land Rover	PZEV	4.826
GM	ZEV	2.101
	Total	268.930

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.