

Massachusetts Low Emission Vehicle Program

2012 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 2012 vehicle manufacturers subject to the ZEV requirements.

2012 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 2012 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 2012 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2012 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	6,260
Chrysler Group	29,189
Ford	32,029
GM	31,788
Honda	54,563
Hyundai	14,924
Jaguar Land Rover	3,215
Kia	10,031
Mazda	7,885
Nissan	24,979
Subaru Corporation	13,249
Toyota	57,499

Volkswagen	16,751
TOTAL	307,880

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, 2013 generated since the start of MA ZEV Program. The credits are in units of grams per mile non-methane organic gas (g/mi NMOG).

Manufacturer	ZEV	BEVx	NEV+	TZEV	AT PZEV	PZEV
BMW	75.29	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
Fiat Chrysler	43.49	0.00	942.74	0.00	0.00	2.61
Ford	114.52	0.00	191.51	0.00	83.51	323.12
GM	183	0.00	532.16	101.30	83.47	2.38
Honda	120.94	0.00	0.00	91.12	80.14	215.35
Hyundai	25.76	0.00	0.00	0.00	6.34	134.17
Jaguar Land Rover	0.00	0.00	0.00	0.00	0.00	52.304
Kia	25.352	0.00	0.00	0.00	3.53	5.14
Mazda	0.00	0.00	0.00	0.00	0.00	102.07
Mercedes	104.06	0.00	0.00	0.00	0.00	0.00
MILES	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.1812	0.00	0.00	0.00	0.00	46.342
Nissan	139.12	0.00	0.00	1.234	0.00	294.17
Polaris	0.00	0.00	1.80	0.00	0.00	0.00
Subaru Corporation	0.00	0.00	0.00	0.00	0.00	293.20
Tesla	0.245	0.00	0.00	0.00	0.00	0.00
THINK North America	0.105	0.00	0.00	0.00	0.00	0.00
Toyota	44.01	0.00	0.00	202.21	734.82	0.00
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	55.41	0.00	0.00	0.00	0.00	30.97
Volvo	0.00	0.00	0.00	0.00	0.00	0.00
ZENITH	0.00	0.00	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	0.00	0.00	3.650	4.800
Total	931.483	0.00	1668.21	395.864	995.46	1506.626

Description of Credit Balances:

ZEV = Zero emission 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, 2012 and August 31, 2013**.

MA ZEV credit transfers recorded between October 1, 2012 and August 31, 2013		
Transferor	Vehicle Type	Total Credits
Azure Dynamics, Inc.	ZEV	0.473
Mitsubishi	ZEV	1.733
Tesla	ZEV	53.825
THINK North America	ZEV	0.105
	Total	56.136

Transferee	Vehicle Type	Total Credits
Ford	ZEV	0.473
GM	ZEV	1.733
Honda	ZEV	13.930
Volkswagen	ZEV	40
	Total	56.136

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.