

Massachusetts Low Emission Vehicle Program

2010 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 2010 vehicle manufacturers subject to the ZEV requirements.

2010 Manufacturer Volume Status	
Large	Intermediate
Chrysler Group	BMW
Ford	Hyundai
GM	Kia
Honda	Land Rover
Nissan	Mazda
Toyota	Mercedes Benz
	Subaru
	Volkswagen
	Volvo

Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2010 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 2010 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2010 Vehicle Production Delivered for Sale in MA		
Manufacturer	Passenger and LDT1	LDT2
BMW	4,268	645
Chrysler Group	8,823	8,538
Ford	21,213	7,704
GM	14,608	8,548
Honda	36,569	5,856
Hyundai	10,636	986
Jaguar Land Rover	1,498	816
Kia	4,039	330
Mazda	7,177	1,484

Mercedes	3,075	1,421
Nissan	15,332	4,062
Subaru Corporation	9,032	2,288
Toyota	47,020	21,983
Volkswagen	8,966	789
Volvo	708	1,123
TOTAL	192,964	66,573

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, 2011 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	NEV+	AT PZEV	PZEV
Azure Dynamics, Inc.	0.00	0.00	0.00	0.00
BMW	0.00	0.00	0.00	0.00
Chrysler Group	32.41	1062.84	0.00	0.00
Ford	149.1	218.11	93.48	400.9
GM	335.06	781.13	0.00	13.69
Honda	220.05	0.00	115.44	151.32
Hyundai	25.76	0.00	0.00	131.77
Jaguar Land Rover	0.00	0.00	0.00	40.45
Kia	25.352	0.00	0.00	4.33
Mazda	0.00	0.00	0.00	100.53
Mercedes	67.4	40.1	0.5	43.95
MILES	0.00	0.00	0.00	0.00
Mitsubishi	0.35	0.00	0.00	36.24
Nissan	31.12	0.00	1.19	352.31
Polaris	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	0.00	0.00	242.54
Tesla	0.00	0.00	0.00	0.00
THINK North America	0.00	0.00	0.00	0.00
Toyota	88.43	0.00	764.38	72.34
VANTAGE	0.00	0.00	0.00	0.00
Volkswagen	0.00	0.00	0.00	77.50
Volvo	0.00	0.00	0.00	0.00
ZENITH	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	3.650	4.80
Total	975.032	2102.18	978.64	1672.67

Description of Credit Balances:

ZEV = Zero emission vehicle

NEV = Neighborhood Electric Vehicle

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, 2010 and August 31, 2011**.

MA ZEV credit transfers recorded between October 1, 2010 and August 31, 2011		
Transferor	Vehicle Type	Total Credits
Tesla	ZEV	0.350
Zipcar	AT PZEV	59.308
	PZEV	59.308
	Total	94.696

Transferee	Vehicle Type	Total Credits
Honda	ZEV	0.350
	AT PZEV	59.308
	PZEV	35.038
	Total	94.696

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.