

# Massachusetts Low Emission Vehicle Program

## 2018 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), and plug-in hybrids. The table below lists the 2018 vehicle manufacturers subject to the ZEV requirements.

2018 Manufacturer Volume Status	
Large	Intermediate
BMW	Jaguar Land Rover
Daimler AG	Mazda
Fiat Chrysler	Subaru Corporation
Ford	Volvo
GM	
Honda	
Hyundai	
Kia	
Nissan	
Toyota	
Volkswagen	

### Manufacturer Sales in Massachusetts

A vehicle manufacturer's 2018 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 2018 MA vehicle production of large volume and intermediate volume manufacturers.

Large and Intermediate Volume Manufacturer 2018 Vehicle Production Delivered for Sale in MA	
Manufacturer	Passenger and LDT
BMW	10,272
Daimler AG	8,135
Fiat Chrysler	43,538
Ford	34,240
GM	39,705
Honda	48,103
Hyundai	14,240
Jaguar Land Rover	3,271
Kia	10,309
Mazda	8,335

Nissan	19,038
Subaru Corporation	23,392
Toyota	67,729
Volkswagen	24,144
Volvo	4,358
<b>TOTAL</b>	<b>358,809</b>

## 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, 2019 generated since the start of MA ZEV Program. The credits are in units of ZEV credits.

Manufacturer	FCV	BEV	BEVx	NEV+	DISCOUNT AT PZEV and PZEV	TZEV
BMW	0.00	1,973.56	4,569.65	0.00	0.00	0.00
BYD Motors Inc.	0.00	0.00	0.00	0.00	0.00	0.00
Daimler AG	159.11	2,447.22	0.00	0.00	0.00	3,637.91
Fiat Chrysler	0.00	30,105.83	0.00	14,467.85	0.00	0.00
Ford	0.00	18,277.74	0.00	1,553.83	378.04	1,855.39
GM	0.00	26,933.85	0.00	8,400.03	0.00	4,223.61
Honda	2,088.45	5,939.84	0.00	846.95	264.32	721.06
Hyundai	231.33	0.00	0.00	0.00	571.98	755.71
Jaguar Land Rover	0.00	585.12	0.00	0.00	60.89	0.00
Kia	0.00	1,616.47	0.00	0.00	370.78	785.69
Mazda	0.00	2,010.00	0.00	0.00	0.00	0.00
MILES	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	27.69	0.00	0.00	331.01	182.40
Nissan	482.29	11,640.12	0.00	0.00	307.38	0.00
Polaris	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	31,921.31	0.00	0.00	3,351.99	0.00
Tesla	0.00	653.68	0.00	0.00	0.00	0.00
Toyota	0.00	33,467.24	0.00	5,777.60	1,089.55	3,996.26
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	39.84	7,199.96	0.00	0.00	65.78	928.68
Volvo	0.00	0.00	0.00	0.00	1,717.10	308.55
ZENITH	0.00	0.00	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	0.00	0.00	60.36	0.00
<b>Total</b>	<b>3,001.02</b>	<b>174,799.63</b>	<b>4,569.65</b>	<b>31,046.26</b>	<b>8,569.18</b>	<b>17,395.26</b>

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, 2018 and August 31, 2019**.

MA ZEV credit transfers recorded between October 1, 2018 and August 31, 2019		
Transferor	Vehicle Type	Total Credits
Tesla	BEV	1,650.00
	Total	1,650.00

Transferee	Vehicle Type	Total Credits
Mazda	BEV	1,650.00
	Total	1,650.00

## 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.