



State of New Jersey

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2015 Zero Emission Vehicle Credits

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To provide greater transparency to interested stakeholders, production data in model year 2015 and credit balances are now publicly available as per section 1962.1(I), which NJ adopted by reference.

Manufacturer Volume Status

The ZEV regulation requires large volume and intermediate volume manufacturers to bring to and operate in New Jersey 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 Volume	Intermediate Volume
Fiat Chrysler	BMW
Ford	Hyundai
GM	Kia
Honda	Jaguar Land Rover
Nissan	Mazda
Toyota	Mercedes Benz
	Mitsubishi
	Subaru
	Volkswagen
	Volvo

Manufacturer Requirement

A vehicle manufacturer's ZEV requirement is based on a percentage of all passenger cars and light-duty trucks (LDTs) with a GVWR from 0 to 8500 lbs, brought to and operated in New Jersey. The table below is the 2015 New Jersey vehicle production of Large Volume and Intermediate Volume Manufacturers.

Large and Intermediate Volume Manufacturer 2015 Vehicles Delivered for Sale in New Jersey	
Manufacturer	Passenger Cars and LDTs
BMW	31,900
Fiat Chrysler	69,849
Ford	55,003
Fuji Heavy Industries/Subaru	23,969
General Motors	71,506
Honda	86,935
Hyundai	26,463
Jaguar Land Rover	5,199
Kia	23,579
Mazda	11,204
Mercedes Benz	24,201
Nissan	66,762
Mitsubishi	4,757
Toyota	93,452
Volkswagen	34,695
Volvo	5,877
TOTAL	635,351

Manufacturer Credit Balances

In complying with the ZEV regulation, manufacturers deliver vehicles to NJ which 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 the end of August 31, 2016, generated since the start of the ZEV Regulations in 1990. The credits are in units of ZEV credits.

Manufacturer	FCV	BEV	I.5x/IIx	NEV+	TZEV	AT PZEV	PZEV
BMW	0.00	2,990.23	2,675.25	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
Fiat Chrysler	0.00	25,900.98	0.00	0.00	0.00	3,364.96	0.00
Ford	410.03	3,709.29	0.00	7,057.78	695.95	5,444.43	3,291.01
Fuji Heavy Industries/Subaru	0.00	0.00	0.00	0.00	0.00	242.20	10,768.21
GM	0.00	10,059.00	0.00	5,292.56	2,425.35	5,577.60	5,832.94
Honda	(0.00)	12,443.78	0.00	5,762.46	2,347.64	2,529.69	14,621.68
Hyundai	1,159.36	0.00	0.00	0.00	0.00	809.46	5,244.64

Jaguar Land Rover	0.00	1,177.83	0.00	0.00	0.00	0.00	350.87
KIA	774.92	694.49	0.00	0.00	0.00	580.89	4,207.51
Mazda	0.00	0.00	0.00	0.00	0.00	1,479.83	1,110.00
Daimler AG	1,073.72	9,775.94	0.00	4,058.40	0.00	18.15	1,754.29
MILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	19.20	0.00	0.00	0.00	0.00	3,330.46
Nissan	167.80	13,551.00	0.00	0.00	286.91	0.00	4,197.47
Polaris	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tesla	0.00	3,496.00	0.00	0.00	0.00	0.00	0.00
Toyota	0.00	4,715.11	0.00	1,953.67	10,570.94	43,912.35	1,289.60
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	1,363.43	705.60	0.00	0.00	0.00	139.76	1,164.71
Volvo	0.00	0.00	0.00	0.00	0.00	0.00	2,047.29
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	0.00	0.00

AT PZEV = Advanced Technology Partial Zero Emission Vehicle

BEV = Battery Electric Vehicle

FCV = Fuel Cell Vehicle

I.5x/IIx = Extended Range Battery Vehicle

NEV+ = Neighborhood Electric Vehicle

NMOG = Non-Methane Organic Gases

PZEV = Partial Zero Emission Vehicle

TZEV = Transitional Zero Emission Vehicle

ZEV = Zero Emission Vehicle

Manufacturer Transfers

Manufacturers may transfer credits between manufacturers and third parties. Below are the ZEV credits transferred from October 1, 2015 through August 31, 2016.

New Jersey ZEV transfers out October 1, 2015 through August 31, 2016		
Transferor	Type of Vehicle	Number of Credits
Nissan	BEV	146.00
Polaris	NEV+	5.40
Tesla	BEV	2,550.00
Toyota	AT PZEV	1,944.00
	Total	4,645.40

Transferor	Type of Vehicle	Number of Credits
FCA	ZEV	2550.00
FCA	BEV	5.40
Ford	BEV	146.00
Mazda	AT PZEV	1,944.00
	Total	4,645.40

Frequently Asked Questions

How many vehicles have been brought to and operated in New Jersey as a result of the ZEV regulation?

These credit balances reflect ZEV regulation compliance from 2009 through model year 2015, including over 4,380 battery electrics, 490 NEVs, 5,290 clean plug-in electrics, 78,590 clean hybrids, and 1,056,470 clean gasoline vehicles for a total of 1,146,590 vehicles.

What do these credit balances mean?

All vehicle manufacturers subject to the ZEV Regulation are in compliance through model year 2015. Positive credit balances represent a successful over-compliance with the ZEV Regulation. Manufacturers can use these balances to provide flexibility in the timing and production of bringing new clean cars to the market to meet the ZEV requirements in coming years.

How far into the future do these credit balances cover the manufacturers' ZEV requirement?

Each manufacturer is unique in its strategy of compliance with the ZEV Regulation. It is not possible to predict how and when these credit balances will be spent over the coming years due to the complexity and flexibility of the regulation. There are also various mechanisms in the ZEV Regulation which limit how credits are spent. These balances will be taken into account in future amendments to the regulation.

Why are the credit balances in ZEV credits instead of grams per mile Non-Methane Organic Gases (g/mi NMOG)?

For the 2015 reporting year and onward credits are expressed in ZEV credits. The purpose of this change is to simplify credit calculations. 2014 balances were divided by .035 to convert g/mile NMOG credits to ZEV credits.

How do you calculate a manufacturer's requirement?

For understanding the calculations involved in the ZEV Regulation, please see the ZEV Tutorial link [here](#).

Why is the timeframe for transfers different from previous years?

Previous reports published transfers recorded between October 1 and September 30. The 2015 report aligns with the ZEV regulation which allows manufacturers to file a Supplemental ZEV data report by August 31. Transfers occurring between September 1, 2016, and September 30, 2016 will be published next year in the 2016 report. Starting with the 2016 report, transfers will be published aligned with the September 1 to August 31 reporting period.

More Information

- [ZEV Regulation](#)
- [ZEV Tutorial](#)
- [StopTheSoot.org](#)

Contact Us

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