

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Air Resources, Mobile Sources & Technology Development

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## **2021 Zero Emission Vehicle Credits**

As provided for by Section 177 of the federal Clean Air Act, New York State adopted California's zero emission vehicle (ZEV) standards. New York State incorporates California's ZEV standards by reference in 6 NYCRR Part 218, specifically Subpart 218-4.1 ZEV Percentages. The ZEV standards incorporated in Part 218 include provisions for the public disclosure of manufacturers' ZEV credits and annual production data.

## **Manufacturer Volume Status**

The ZEV regulation requires large and intermediate volume manufacturers (LVM and IVM) to deliver and place in service within New York State a certain percentage of ZEVs (battery electric and fuel cell vehicles), plug-in hybrids, hybrids, and clean gasoline vehicles with near-zero tailpipe emissions. The table below lists vehicle manufacturers subject to the 2021 ZEV requirements.

<b>2021 Manufacturer Volume Status</b>	
<b>Large Volume</b>	<b>Intermediate Volume</b>
BMW	Jaguar Land Rover
Fiat Chrysler	Mazda
Ford	Mitsubishi
General Motors	Subaru Corporation
Honda	Tesla
Hyundai	Volvo
Kia	
Mercedes-Benz AG	
Nissan	
Toyota	
Volkswagen	

## **Manufacturer Requirement**

A vehicle manufacturer's ZEV requirement is based on a percentage of all passenger cars (PC) and light-duty trucks (LDT) up to 8,500 pounds delivered for sale in New York State. The table below is the 2021 New York vehicle production of LVM and IVM.

<b>Large and Intermediate Volume Manufacturer 2021 Vehicle Production Delivered for Sale in NY</b>	
<b>Manufacturer</b>	<b>PC and LDT</b>
BMW	30,566
Fiat Chrysler	124,077
Ford	62,583



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General Motors	111,747
Honda	89,808
Hyundai	38,122
Jaguar Land Rover	5,019
Kia	28,763
Mazda	28,226
Mercedes-Benz AG	25,558
Mitsubishi	2,848
Nissan	58,110
Subaru Corporation	47,457
Tesla	11,149
Toyota	113,674
Volkswagen	40,305
Volvo	11,699
<b>TOTAL</b>	<b>829,711</b>

### **Manufacturer Credit Balances**

In complying with the ZEV regulation, LVMs and IVMs deliver and place vehicles in New York State which generate varying credits based on vehicle type. Other entities without a ZEV requirement may also generate credits. The table below lists the credit balances as of August 31, 2022, generated since the start of New York's ZEV program in 2007. ZEV credits are unitless.

<b>Manufacturer</b>	<b>FCV</b>	<b>BEV</b>	<b>BEVx</b>	<b>NEV+</b>	<b>Discount</b>	<b>TZEV</b>
BMW	0.00	2,968.70	10,233.20	0.00	0.00	575.09
BYD	0.00	0.00	0.00	0.00	0.00	0.00
Fiat Chrysler	0.00	53,007.30	0.00	42,115.10	0.00	0.00
Ford	0.00	27,511.18	0.00	0.00	(0.01)	0.00
General Motors	0.00	66,134.33	0.00	10,132.45	0.00	4,106.48
Honda	6,927.44	9,938.32	0.00	0.00	(0.01)	0.00
Hyundai	(0.02)	4,652.61	0.00	0.00	1,015.15	0.00
Jaguar Land Rover	0.00	1,097.91	0.00	0.00	0.00	8.12
Kia	0.00	1,381.23	0.00	0.00	0.00	28.00
Lightning Systems	0.00	0.00	0.00	0.00	0.00	0.00
Lucid	0.00	0.00	0.00	0.00	0.00	0.00
Mazda	0.00	2,517.03	0.00	0.00	0.00	0.00
Mercedes-Benz AG	0.00	5,110.06	0.00	0.00	0.00	2,604.14

Miles	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	1,808.43	0.00	0.00	1,047.72	535.20
Nissan	0.00	29,698.47	0.00	0.00	0.00	0.00
Polaris	0.00	0.00	0.00	(0.01)	0.00	0.00
Rivian	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	45,677.25	0.00	0.00	2,220.60	0.00
Tesla	0.00	96,150.93	0.00	0.00	0.00	0.00
Toyota	441.04	41,179.87	0.00	0.00	0.00	13,166.85
Vantage	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	0.00	13,556.76	0.00	0.00	0.00	131.55
Volvo	0.00	16.90	0.00	0.00	0.00	0
Zenith	0.00	62.50	0.00	0.00	0.00	0.00
Zipcar	0.00	0.00	0.00	0.00	470.09	0.00
<b>TOTAL</b>	<b>7,368.46</b>	<b>402,199.77</b>	<b>10,233.20</b>	<b>52,247.54</b>	<b>4,753.54</b>	<b>21,155.43</b>

FCV = Fuel cell electric vehicle

BEV = Battery electric vehicle

BEVx = Range extended battery electric vehicles

NEV+ = Neighborhood Electric Vehicle

Discount = Discounted ATPZEV and PZEV credits following model year 2017

TZEV = Transitional Zero Emission Vehicle

### **Manufacturer Transfers**

Manufacturers may transfer credits between manufacturers and third parties. The tables below list the ZEV credits transferred between October 1, 2021, and August 31, 2022.

<b>New York ZEV Credit Transfers Between October 1, 2021 and August 31, 2022</b>		
<b>Transferor</b>	<b>Type of Vehicle</b>	<b>Number of Credits</b>
Tesla	BEV	4,423.00
	<b>Total</b>	<b>4,423.00</b>

<b>New York ZEV Credit Transfers Between October 1, 2021 and August 31, 2022</b>		
<b>Transferee</b>	<b>Type of Vehicle</b>	<b>Number of Credits</b>
Mazda	BEV	4,423.00

	<b>Total</b>	<b>4,423.00</b>
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### **Frequently Asked Questions**

#### **What do credit balances mean?**

Positive credit balances indicate successful over-compliance with the ZEV regulation. Manufacturers may use these credit balances to provide flexibility in complying with ZEV requirements in future model years or transfer them to other manufacturers. Negative credit balances indicate noncompliance with the ZEV regulation and must be offset within a specified timeframe.

#### **How many vehicles have been placed in service in New York as a result of the ZEV regulation?**

As of October 1, 2022, approximately 114,600 ZEVs and plug-in hybrids are currently in service in New York State.<sup>1</sup>

For more information, please contact the Bureau of Mobile Sources & Technology Development at (518) 402-8292

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<sup>1</sup> <https://www.nyscrda.ny.gov/All-Programs/Programs/ChargeNY/Support-Electric/Map-of-EV-Registrations>