



# 2022 Zero Emissions Vehicle Credits

Oregon implements California’s rules for Zero Emission Vehicles as allowed under section 177 of the federal Clean Air Act. Oregon Administrative Rules chapter 340, division 257 includes provisions for the public disclosure of manufacturers’ ZEV credits in the following manner.

## Manufacturer volume status

The Zero Emission Vehicle Regulation requires large-volume and intermediate-volume vehicle manufacturers to bring to, and operate in Oregon, a certain percent of zero emission vehicles (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 2022 vehicle manufacturers subject to the ZEV requirements.

### 2022 Manufacturer Volume Status

Large Volume	Intermediate Volume
BMW	Jaguar Land Rover
Fiat Chrysler	Mazda
Ford	Mitsubishi
GM	Subaru Corporation
Honda	Volvo
Hyundai	
KIA	
Mercedes-Benz AG	
Nissan	
Toyota	
Volkswagen	

## Manufacturer Requirement

A vehicle manufacturer’s ZEV requirement is based on a percentage of all passenger cars and light-duty trucks from 0 to 8,500 pounds, delivered for sale in Oregon. The table below is the 2022 vehicle production of large-volume and intermediate-volume manufacturers. These totals do not include Battery Electric Vehicles only manufacturers.

### Large and intermediate volume manufacturer 2022 vehicle production delivered for sale in Oregon

Manufacturer	Passenger and LDT
BMW	3,711
Fiat Chrysler	11,058
Ford	13,748

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Manufacturer	Passenger and LDT
GM	11,376
Honda	10,500
Hyundai	7,644
Jaguar Land Rover	380
KIA	6,586
Mazda	2,513
Mercedes-Benz AG	2,919
Mitsubishi	422
Nissan	5,149
Subaru Corporation	13,803
Toyota	33,545
Volkswagen	5,080
Volvo	1,366
<b>TOTAL</b>	<b>129,800</b>

LDT = light duty truck 0-8500 lbs.

## Manufacturer Credit Balances

In complying with the ZEV Regulation, manufacturers operate vehicles in Oregon which generate varying credits based on vehicle type. There are also other parties generating credits that do not have ZEV requirements that are not listed in the table below. The table below lists credit balances as of Aug. 31, 2023 accumulated since the start of Oregon's ZEV program in 2009. These values are in units of ZEV credits.

Manufacturer	FCV	BEV	BEVx	NEV+	DISCOUNT	TZEV
BMW	0.00	1,708.08	2,037.08	0.00	0.00	1,474.07
Fiat Chrysler	0.00	6,147.64	0.00	0.00	0.00	0.00
Ford	0.00	8,766.49	0.00	463.62	0.00	1,879.28
GM	0.00	17,051.73	0.00	0.00	0.00	3,802.78
Honda	752.47	592.52	0.00	0.00	0.00	2,212.21
Hyundai	0.02	6,515.98	0.00	0.00	0.00	123.46
Jaguar Land Rover	0.00	189.85	0.00	0.00	0.00	0.00
KIA	0.00	5,737.57	0.00	0.00	0.00	0.00
Mazda	0.00	0.35	0.00	0.00	0.00	0.00
Mercedes-Benz AG	0.00	570.68	0.00	0.00	0.00	4,894.79
Mitsubishi	0.00	0.00	0.00	0.00	1.34	8.35
Nissan	0.00	1,945.67	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	11,394.00	0.00	0.00	0.00	0.00

Toyota	0.00	4,706.78	0.00	0.00	0.00	4,502.53
Volkswagen	0.00	7,582.99	0.00	0.00	0.00	478.51
Volvo	0.00	2,072.73	0.00	0.00	142.04	255.93

ZEV = Zero Emission Vehicle

BEV = Battery Electric Vehicle

NEV = Neighborhood Electric Vehicle

TZEV = Transitional Zero Emission Vehicle

DISCOUNT = Discounted ATPZEV and PZEV credits following model year 2017

AT PZEV = Advanced Technology Partial Zero Emission Vehicle

PZEV = Partial Zero Emission Vehicle

## Manufacturer transfers

Manufacturers may transfer credits between manufacturers and third parties. No credits were transferred between manufacturers.

## What do these credit balances mean?

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.

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