



# 2017 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 2017 vehicle manufacturers subject to the ZEV requirements.

2017 Manufacturer Volume Status	
Large Volume	Intermediate Volume
Fiat Chrysler	BMW
Ford	Daimler AG
GM	Hyundai
Honda	Jaguar Land Rover
Nissan	KIA
Toyota	Mazda
	Subaru Corporation
	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 2017 vehicle production of large-volume and intermediate-volume manufacturers. These totals do not include Battery Electric Vehicles (BEV).

Large and Intermediate Volume Manufacturer 2017 Vehicle Production Delivered for Sale in OR	
Manufacturer	Passenger and LDT (minus BEVs)
BMW	4,426
Daimler AG	4,321
Fiat Chrysler	18,867
Ford	21,592
GM	18,593
Honda	15,705
Hyundai	6,639
Jaguar Land Rover	698
KIA	7,362
Mazda	4,188
Nissan	6,601
Subaru Corporation	17,954
Toyota	36,755
Volkswagen	7,999
<b>TOTAL</b>	<b>171,700</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. The table below lists credit balances as of Aug. 31, 2018 accumulated since the start of Oregon's ZEV program in 2009. These values are in units of ZEV credits.

Manufacturer	FCV	BEV	1.5x/lbx	NEV+	TZEV	AT PZEV	PZEV
BMW	0.00	2,798.86	3,534.26	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
Daimler AG	1,038.40	5,910.97	0.00	0.00	30.60	0.00	0.00
Fiat Chrysler	0.00	12,483.31	0.00	0.00	0.00	0.00	0.00
Ford	0.00	7,457.96	0.00	1,266.75	3,544.82	755.90	134.13
GM	0.00	8,846.34	0.00	0.00	6,022.24	0.00	0.00
Honda	1,544.70	2,757.48	0.00	70.49	3,220.29	419.80	317.69
Hyundai	1,036.43	93.39	0.00	0.00	0.00	61.98	0.00
Jaguar Land Rover	0.00	143.06	0.00	0.00	0.00	0.00	132.96
KIA	785.72	1,387.25	0.00	0.00	54.00	24.30	25.62
Mazda	0.00	240.75	0.00	0.00	0.00	0.00	645.62
MILES	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mitsubishi	0.00	15.11	0.00	0.00	0.00	0.00	110.23
Nissan	482.29	2,962.59	0.00	0.00	0.00	0.00	0.00
Polaris	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Subaru Corporation	0.00	16,497.99	0.00	0.00	0.00	289.40	9,113.85
Tesla	0.00	774.52	0.00	0.00	0.00	0.00	0.00
Toyota	71.94	14,470.62	0.00	0.00	2,353.07	4,280.17	0.00
VANTAGE	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volkswagen	815.03	2,410.10	0.00	0.00	375.56	71.60	260.29
Volvo	0.00	0.00	0.00	0.00	140.25	0.00	836.89
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

ZEV = Zero Emission Vehicle

BEV = Battery Electric Vehicle

NEV = Neighborhood Electric Vehicle

TZEV = Transitional Zero Emission 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 Oregon ZEV credits transferred between Oct. 1, 2017 and Aug. 31, 2018.

Transferor	Vehicle Type	Total Credits
Honda	AT PZEV	107.00
Honda	PZEV	425.00
Tesla	BEV	6,239.00
	<b>Total</b>	<b>6,771.00</b>

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Fiat Chrysler	AT PZEV	107.00
Fiat Chrysler	PZEV	425.00
Toyota	BEV	6,239.00
	<b>Total</b>	<b>6,771.00</b>

## Frequently Asked Questions

### How many vehicles have been brought to and operated in Oregon as a result of the ZEV Regulation?

As of June 30, 2017, a total of 15,596 ZEVs (fully Electric Vehicles plus Plug-in Hybrid Electric Vehicles) were registered in Oregon.

### What do these credit balances mean?

All vehicle manufacturers subject to the ZEV Regulation are in compliance through model year 2017. 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’s 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 that limit how credits are spent. These balances will be taken into account in future amendments to the regulation.

### Why is the timeframe for transfers different from previous years?

Previous reports published transfers recorded between October 1 and September 30. This report aligns with the ZEV Regulation which allows manufacturers to file a Supplemental ZEV data report by August 31.

## More Information

- [ZEV Regulation](#)