



2015 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 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
	Subaru
	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 2015 Oregon vehicle production of large-volume and intermediate-volume manufacturers. These totals do not include Battery Electric Vehicles.

Large and Intermediate Volume Manufacturer 2015 Vehicle Production Delivered for Sale in OR	
Manufacturer	Passenger and LDT (minus BEVs)
BMW	5,018
FCA	19,923
Ford	17,155
FUJI Heavy Industries/Subaru	16,175
General Motors	17,928
Honda	15,367
Hyundai	4,005
Jaguar Land Rover	356
KIA	7,329
Mazda	4,568
Mercedes Benz	4,404
Nissan	8,076
Toyota	32,631
Volkswagen	7,382
TOTAL	164,322

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, 2016 accumulated since the start of Oregon's ZEV program in 2009. These values are in units of ZEV credits.

Oregon Zero Emission Vehicle Credit Balances						
Manufacturer	ZEV	1.5x/l1x	NEV+	TZEV	AT PZEV	PZEV
BMW	2,121.23	948.00	0.00	0.00	0.00	0.00
Fiat Chrysler	4,925.60	0.00	0.00	0.00	0.00	225.38
Ford	1,308.45	0.00	1,579.28	2,031.26	653.91	1,216.07
Fuji (Subaru)	0.00	0.00	0.00	0.00	240.80	5,421.57
GM	3,660.60	0.00	706.28	4,518.97	371.2	0.00
Honda	4,012.89	0.00	377.92	3,474.79	283.36	950.91
Hyundai	951.94	0.00	0.00	0.00	0.00	206.18
Jaguar Land Rover	526.03	0.00	0.00	0.00	293.60	18.84
KIA	1,087.54	0.00	0.00	0.00	0.00	58.11
Mazda	215.00	0.00	0.00	0.00	0.00	211.70
Mercedes Benz	6,618.28	0.00	71.47	0.00	0.00	72.40
Mitsubishi	12.61	0.00	0.00	0.00	0.00	110.23
Nissan	4,328.73	0.00	0.00	444.31	0.00	131.57
Tesla	1,654.00	0.00	0.00	0.00	0.00	0.00
Toyota	3,112.09	0.00	0.00	970.38	5,593.44	0.00
Volkswagen	1,316.40	0.00	0.00	0.00	61.25	175.68
Volvo	0.00	0.00	0.00	0.00	0.00	798.89
Total	35,851.39	948.00	2,734.95	11,439.71	7,497.56	9,597.53

ZEV = Zero Emission Vehicle

NEV = Neighborhood Electric Vehicle

NMOG = Non-Methane Organic Gases

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 ZEV credits transferred between Oct. 1, 2015 and Aug. 31, 2016.

Oregon ZEV Credit Transfers Between Oct. 1, 2015 and Aug. 31, 2016		
Transferor	Type of Vehicle	Number of Credits
Tesla	ZEV	215.00
TOTAL		

Transferee	Type of Vehicle	Number of Credits
Mazda	ZEV	215.00
TOTAL		

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, 2016, a total of 10,836 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 2016. 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 are the credit balances shown as ZEV credits instead of grams per mile Non- Methane Organic Gases (g/mile NMOG)?

For the 2015 reporting year and onward, credits are expressed as ZEV credits. The purpose of this change is to simplify credit calculations. 2014 credit balances were divided by 0.035 to convert g/mile NMOG credits to ZEV credits.

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. Transfers occurring between September 1, 2016 and September 30, 2016 will be published next year in the 2016 report. Starting with next year’s report, transfers will be published in alignment with the September 1 to August 31 reporting period.

More Information

- [ZEV Regulation](#)