



2016 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 2016 vehicle manufacturers subject to the ZEV requirements.

2016 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 2016 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	4,459
FCA	18,753
Ford	19,657
FUJI Heavy Industries/Subaru	13,239
General Motors	16,606
17704	17,704
Hyundai	5,671
Jaguar Land Rover	628
KIA	8,803
Mazda	7,825
Mercedes Benz	4,355
Nissan	5,205
Toyota	29,989
Volkswagen	6,466
TOTAL	159,360

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, 2017 accumulated since the start of Oregon's ZEV program in 2009. These values are in units of ZEV credits.

Manufacturer	FCV	BEV	1.5x/1lx	NEV+	TZEV	AT PZEV	PZEV
BMW	0.00	2,139.31	1,293.18	0.00	0.00	0.00	0.00
Daimler AG (Mercedes)	1,038.40	6,020.22	0.00	0.00	41.87	0.00	0.00
Fiat Chrysler	0.00	10,879.08	0.00	0.00	0.00	0.00	0.00
Ford	0.00	5,099.19	0.00	1,266.75	2,944.02	511.84	753.09
GM	0.00	5,205.76	0.00	477.45	4,893.52	171.20	247.94
Honda	1,419.85	2,676.48	0.00	377.92	3,220.29	562.77	454.65
Hyundai	998.81	0.00	0.00	0.00	190.46	199.30	0.00
Jaguar Land Rover	0.00	143.06	0.00	0.00	0.00	0.00	65.36
KIA	785.72	1,269.20	0.00	0.00	0.00	24.30	118.68
Mazda	0.00	215.00	0.00	0.00	0.00	0.00	343.78
Mitsubishi	0.00	15.11	0.00	0.00	0.00	0.00	110.23
Nissan	482.29	1,699.53	0.00	0.00	327.99	0.00	0.00
Subaru Corporation (Fuji)	0.00	1,654.00	0.00	0.00	0.00	289.40	6,939.81
Tesla	0.00	2,508.00	0.00	0.00	0.00	0.00	0.00
Toyota	0.00	3,291.90	0.00	0.00	420.53	5,089.41	0.00
Volkswagen	815.03	2,497.35	0.00	0.00	167.24	71.60	211.01

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 Sept. 1, 2016 and Aug. 31, 2017.

Oregon ZEV Credit Transfers between Sept. 1, 2016 and Aug. 31, 2017		
Transferor	Type of Vehicle	Number of Credits
Honda	PZEV	900.00
Tesla	BEV	2434.00
TOTAL		3334.00

Transferee	Type of Vehicle	Number of Credits
GM	PZEV	900.00
Subaru Corporation	BEV	1654.00
Toyota	BEV	780.00
TOTAL		3334.00

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 15,943 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 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 are published in this year’s 2016 report. Starting with this year’s report, transfers are published in alignment with the September 1 to August 31 reporting period.

More Information

- [ZEV Regulation](#)