



2021 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 2021 vehicle manufacturers subject to the ZEV requirements.

| 2021 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 2021 vehicle production of large-volume and intermediate-volume manufacturers. These totals do not include Battery Electric Vehicles (BEV).

| Large and Intermediate Volume Manufacturer 2021 Vehicle Production Delivered for Sale in OR | |
|---|-------------------|
| Manufacturer | Passenger and LDT |
| BMW | 3,115 |
| Fiat Chrysler | 14,162 |
| Ford | 12,390 |
| GM | 13,528 |
| Honda | 10,410 |
| Hyundai | 5,283 |
| Jaguar Land Rover | 584 |
| KIA | 5,988 |
| Mazda | 4,615 |
| Mercedes-Benz AG | 3,885 |

| | |
|--------------------|----------------|
| Mitsubishi | 496 |
| Nissan | 6,659 |
| Subaru Corporation | 17,078 |
| Toyota | 41,413 |
| Volkswagen | 6,207 |
| Volvo | 1,241 |
| TOTAL | 147,054 |

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, 2022 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 | 1,206.02 | 3,640.04 | 0.00 | 0.00 | 1,362.04 |
| Fiat Chrysler | 0.00 | 8,208.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| Ford | 0.00 | 7,000.67 | 0.00 | 646.63 | 198.03 | 1,965.65 |
| GM | 0.00 | 15,459.26 | 0.00 | 0.00 | 0.00 | 4,500.97 |
| Honda | 752.03 | 2,235.25 | 0.00 | 0.00 | 0.00 | 2,869.38 |
| Hyundai | 109.79 | 4,226.87 | 0.00 | 0.00 | (0.01) | 105.18 |
| Jaguar Land Rover | 0.00 | 218.04 | 0.00 | 0.00 | 0.00 | 0.58 |
| KIA | 357.84 | 1,696.00 | 0.00 | 0.00 | 0.00 | 19.60 |
| Mazda | 0.00 | 544.78 | 0.00 | 0.00 | (0.01) | 0.00 |
| Mercedes-Benz AG | 0.00 | 724.87 | 0.00 | 0.00 | 0.00 | 5,102.63 |
| Mitsubishi | 0.00 | 84.11 | 0.00 | 0.00 | 27.56 | 72.00 |
| Nissan | 482.29 | 3.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| Polaris | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Subaru Corporation | 0.00 | 13,812.40 | 0.00 | 0.00 | 237.02 | 0.00 |
| Tesla | 0.00 | 45,909.26 | 0.00 | 0.00 | 0.00 | 0.00 |
| Toyota | 71.94 | 8,649.48 | 0.00 | 0.00 | 25.09 | 3,750.44 |
| Volkswagen | 0.00 | 5,893.46 | 0.00 | 0.00 | 0.00 | 409.21 |
| Volvo | 0.00 | 208.96 | 0.00 | 0.00 | 178.54 | 126.12 |

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.

More Information

- [ZEV Regulation](#)