

ELECTRIC VEHICLE REGISTRATION IN MONTANA

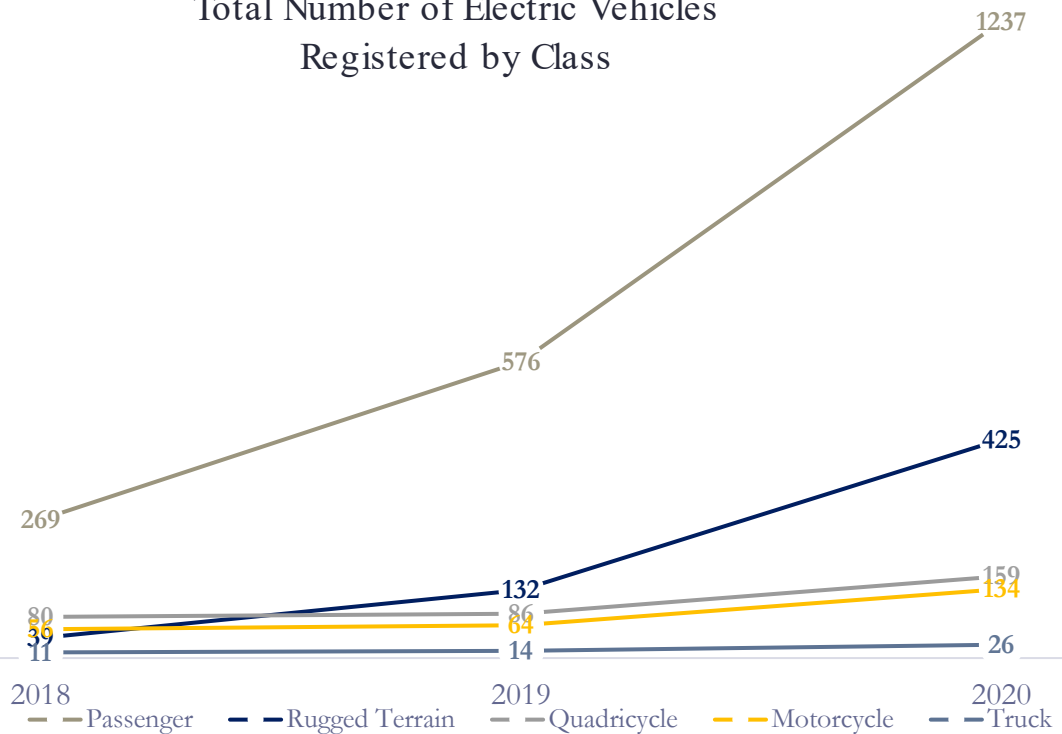
BACKGROUND

The Motor Vehicle Division of the Department of Justice provided "snapshots" of the number of vehicles registered in the state of Montana for years 2018, 2019, and 2020. The "snapshot" numbers represent the total number of vehicles registered by class on the day the data was collected. The numbers below do not necessarily represent numbers of new registrations, but rather the total registrations including new and existing registrations that were in the system when the data was collected.

Data from the Motor Vehicle Division indicates that electric vehicles may be gaining traction in the state.

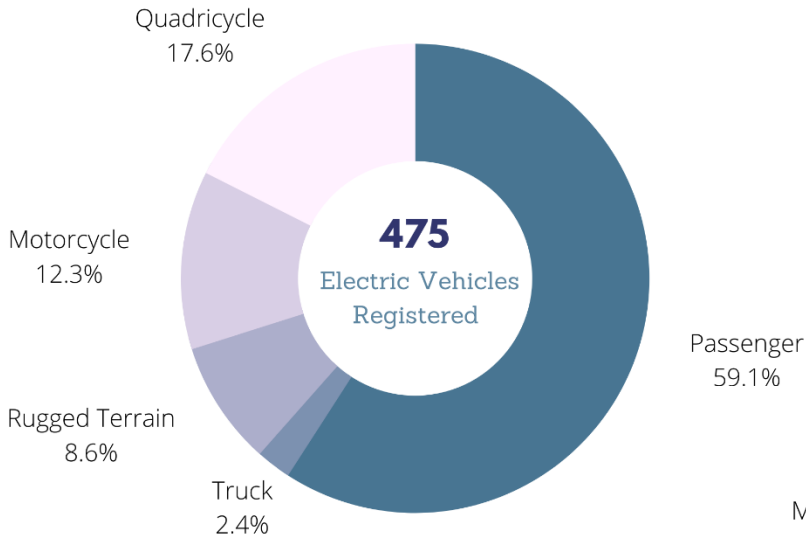
The data below represents snapshots taken from Feb. 2018, Feb. 2019, and Dec. of 2020.

Total Number of Electric Vehicles Registered by Class

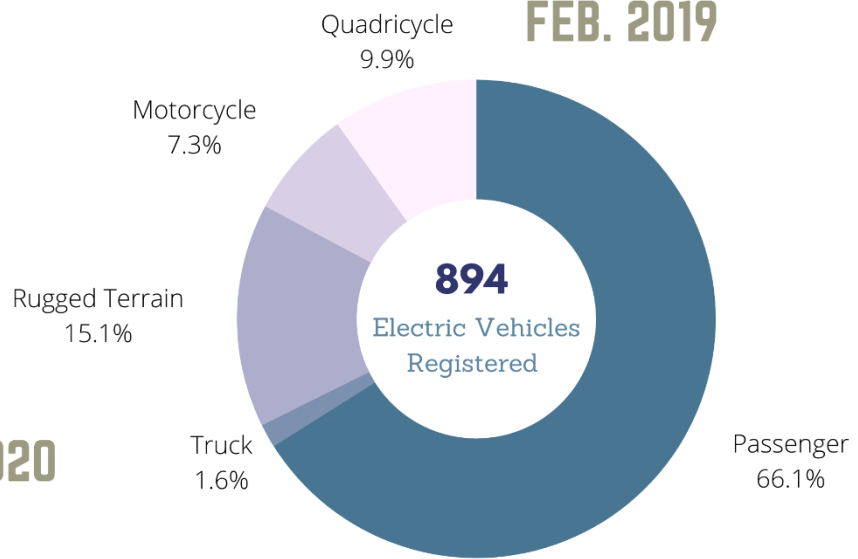


TOTAL ELECTRIC VEHICLE REGISTRATIONS BY YEAR

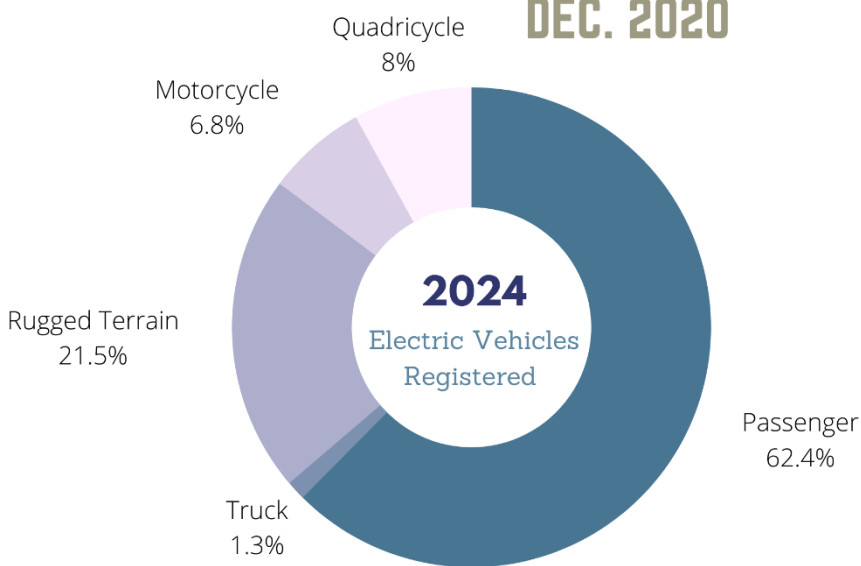
FEB. 2018



FEB. 2019



DEC. 2020

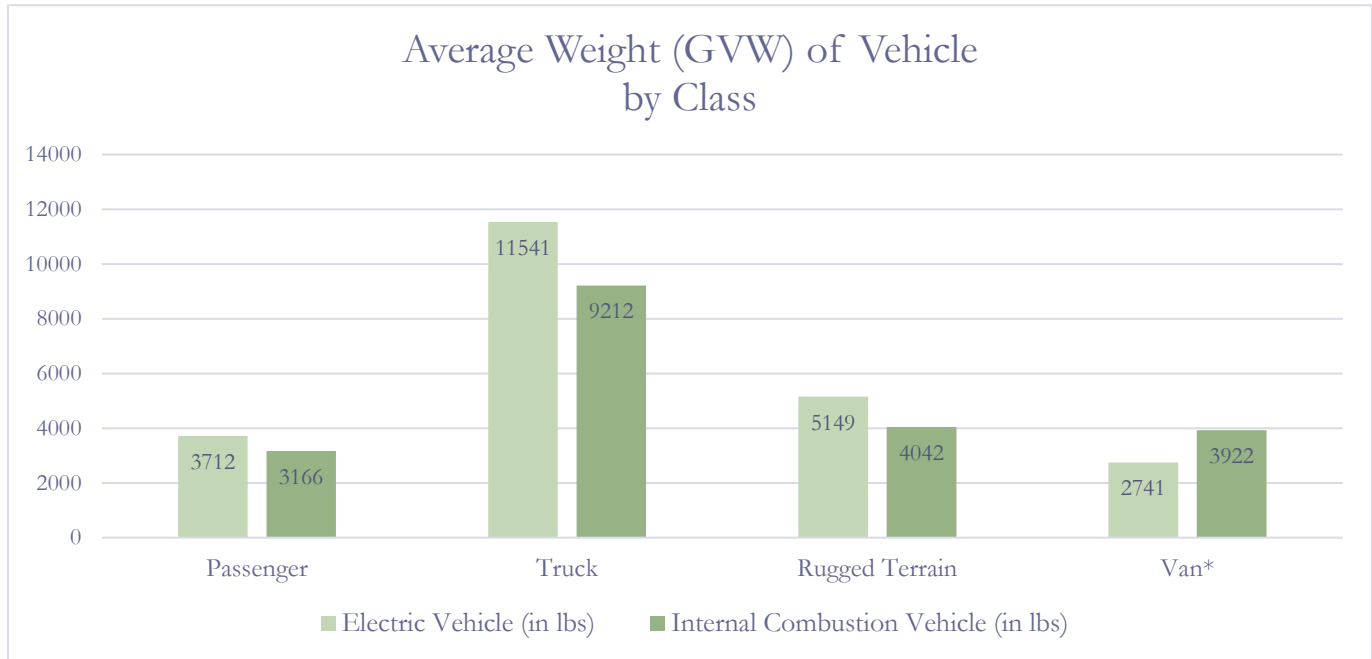


ADDITIONAL DATA OF INTEREST

Earlier in the interim, Rep. Duram asked for information regarding electric vehicle weight compared to the weight of internal combustion engine (ICE) vehicles. The weight of vehicles on Montana's roadways may be important since a higher gross vehicle weight (GVW) may correlate to more wear and tear on roadways.

[HB188](#) from the 2021 session contemplated this concept by including different registration fee amounts for electric vehicles based on the class of vehicle:

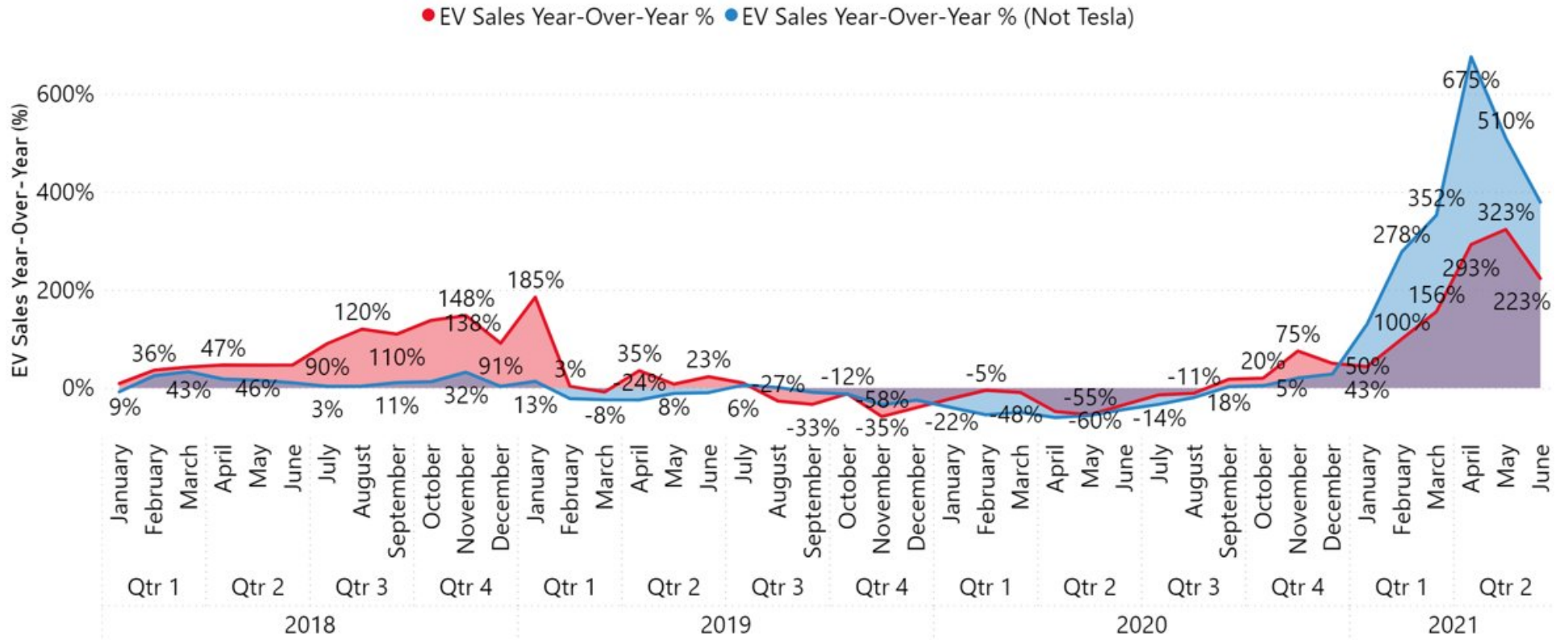
- Light vehicle – \$195
- Heavy truck, bus, or logging truck with load capacity over 1 ton and manufacture GVW of 26,000 lbs or less – \$375
- Heavy truck, bus, or logging truck with manufacturer GVW or gross combination weight over 26,000 lbs - \$1,300
- Motor home - \$450



*The higher weight of ICE vans compared to EV vans presents an anomaly in that it does not follow the trend seen in other vehicle classes. However, this change is most likely due to the low number of EV vans registered (a total of 10 EV vans were registered from 2018 to 2020). This small sample size compared to a very large number of ICE vans registered may contribute to the difference in average weight compared to other vehicle classes.

¹ Data considerations: The average weight of electric vehicles was calculated using Motor Vehicle Division data for 2018, 2019, and 2020 snapshots. Due to the large number of internal combustion engine vehicles on the roadways, a sample size of 10,000 vehicles for each class of ICE vehicle was pulled from a 2021 MVD snapshot.

U.S. EV sales up 270% in Q2 of 2021



- EV market posts highest quarter on record, reaching nearly 4% share of the light-duty vehicle market
- EV sales up nearly three times compared to Q2 2020
- Sales across the auto sector were up 47% in Q2
- Plug-in hybrid electric vehicles (PHEVs) capture 33% of EV market, up from 20% in Q2 2020 ²

² All information, including the table, was taken from "2021 EV Hub Q2 Review" provided by the Atlas EV Hub, Atlas Public Policy. <https://www.atlasevhub.com/>