

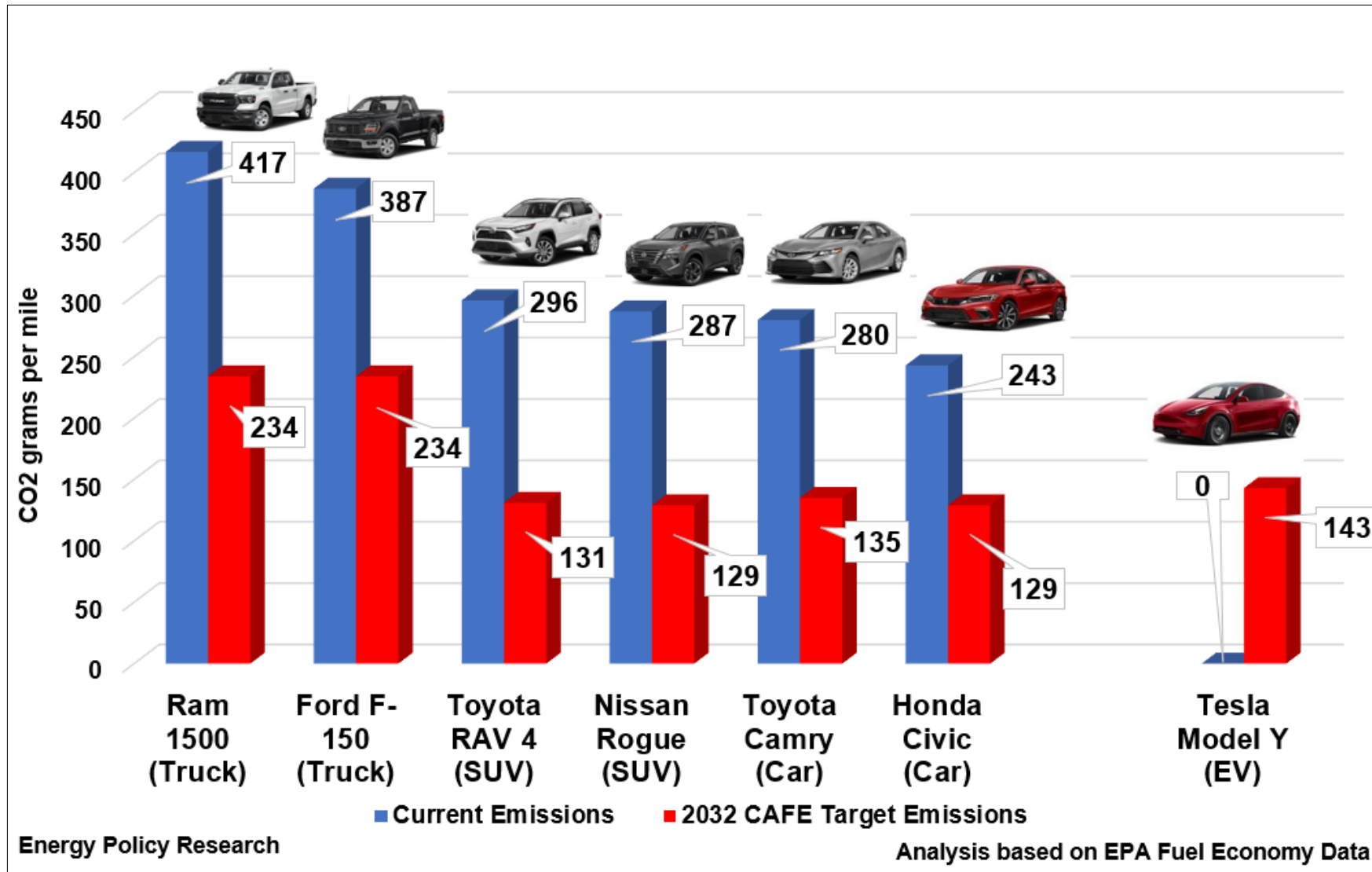
Chart of the Week #2024-27

Emissions of Current Popular Vehicles and Required 2032 Compliance Levels



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Washington, DC

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- In March 2024, EPA raised existing Corporate Average Fuel Economy Standards (CAFE) from already high levels. The ruling requires light-duty vehicle emissions to be half of current levels by 2032.
- Legacy petroleum-powered vehicles, even with aggressive technological advances alone, are not expected to achieve these standards. Manufacturers are anticipated to attain compliance through increased EV (fully electric vehicle) sales.
- The CAFE credit provided by an EV is comparable to the CAFE debit required by gasoline vehicles; this would indicate by 2032 auto manufacture will have to sell one EV for every gasoline car.
- There is much uncertainty over if and how auto manufacturers will be able to comply with these standards given the size and availability of EV supply chains.
- If auto manufacturers are unable to meet the standards through sales, fines will be incurred, the cost of which will be passed through to consumers.

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- This chart and analysis is informed by a forthcoming EPRINC report, entitled “Electric Vehicles vs Internal Combustion Engines: An Energy Economic Analysis”. Stay tuned.
- This slide deck is available at: <https://eprinc.org/chart-of-the-week/>
- For more information on these charts, please contact Matthew Sawoski (matthews@eprinc.org).