

Nearly every U.S. president for the past 50 years has explicitly called for either energy independence or increased energy security. Electric Vehicles play a key part in our secure energy future.^[1]

EVs and the Military

The U.S. military has made transition to hybrid and EVs across the domestic fleet a priority.

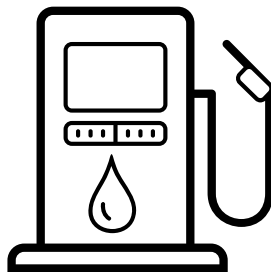
- The military's non-tactical vehicle fleet is the second largest in the federal government.^[2]
- The Pentagon is already transitioning tactical vehicles to hybrids and moving non-tactical cars and trucks on bases straight to electric.^[3]

Less fuel dependence means less fuel convoys and less casualties.

The military spends approximately

\$81 billion

annually protecting oil infrastructure^[4]



Liquid Fuel and water resupply costs

4 lives

for every 100 convoys in theater^[5]

"Electric vehicles are quiet. They have a low heat signature, and incredible torque, and because they tend to be low maintenance with fewer moving parts, they have the potential to reduce logistics requirements... all of which can help give our troops an edge on the battlefield."^[6]

Deputy Secretary of Defense Dr. Kathleen Hicks

EVs and National Security

Widespread adoption of EVs will help keep the U.S. more secure by reducing our dependence on foreign oil and gas, and reduce financial incentives of petro-state autocracies like Russia.

- Major oil producing countries like Russia, Iran, and Venezuela are led by dictators that do not share democratic values and American ideals. They gain strength from fossil fuel resources in their borders.^[7]

EVs and National Net-Zero and Climate Goals

Transportation accounts for 29 percent of national greenhouse gas emissions, making it a critical sector in achieving national net-zero climate goals, and enhancing both energy and national security.^[8]

- The Biden Administration announced a goal of transitioning half of America's vehicles to electric by 2030.^[9]
- Major automobile manufacturers like General Motors have announced it will only sell vehicles that have zero tailpipe emissions by 2035.^[10]

EV Economic Benefits

EVs are three to six times cheaper to drive in the U.S., saving owners \$6,000-\$10,000 over the lifespan of the car.^[11]

EVs require less maintenance than traditional cars, resulting in time and cost savings.^[12]

EVs are projected to create up to 1.9 million jobs by 2030.^[13]

Electricity is cheaper than gasoline and diesel fuel.^[14]

**EVs: Good for your country.
Good for your wallet. Good for your environment.**

- [1] Jessica Olcott Yllemo, "Climate Security in Focus: Electric Vehicle (EV) Transition." American Security Project. March 28, 2022. <https://www.americansecurityproject.org/climate-security-in-focus-electric-vehicle-ev-transition>.
- [2] Travis Tritten, "Electric Military Vehicles Are Part of Biden Climate Agenda, Pentagon Says." *Military.com*. November 09, 2021. <https://www.military.com/daily-news/2021/11/09/electric-military-vehicles-are-part-of-biden-climate-agenda-pentagon-says.html>.
- [3] Ibid.
- [4] Electrification Coalition, "EVs and National Security." *Electrification Coalition*. <https://www.electrificationcoalition.org/veterans-for-evs/#:~:text=EVs%20and%20National%20Security%20Because%20the%20fate%20of,to%20protect%20oil%20infrastructure%20and%20oil%20transit%20routes>.
- [5] James Conca, "U.S. Military's mobile mini-nuclear: fewer fuel supply convoys mean fewer casualties." *Energypost.eu*. May 17, 2019. <https://energypost.eu/u-s-militarys-mobile-mini-nuclear-fewer-fuel-supply-convoys-mean-fewer-casualties>.
- [6] Dr. Kathleen Hicks, Transcript, "Remarks at Wayne State University, Detroit, Michigan, on Climate Change as a National Security Challenge." U.S. Department of Defense. November 08, 2021. <https://www.defense.gov/News/Transcripts/Transcript/Article/2838082/deputy-secretary-of-defense-dr-kathleen-hicks-remarks-at-wayne-state-university>.
- [7] Admiral Dennis V. McGinn, "Russia's attack on Ukraine is a clear warning to US to become energy independence with renewables." *The Hill*. March 03, 2022. <https://thehill.com/opinion/national-security/596714-russias-attack-on-ukraine-is-a-clear-warning-to-us-to-become-energy/amp>.
- [8] United States Environmental Protection Agency, "Sources of Greenhouse Gas Emissions." U.S. Environmental Protection Agency. [https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#:~:text=Transportation%20\(29%20percent%20of%202019,ships%2C%20trains%2C%20and%20planes](https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions#:~:text=Transportation%20(29%20percent%20of%202019,ships%2C%20trains%2C%20and%20planes).
- [9] The White House, "Fact Sheet: President Biden Announces Steps to Drive American Leadership Forward on Clean Cars and Trucks." The White House. August 05, 2021. <https://www.whitehouse.gov/briefing-room/statements-releases/2021/08/05/fact-sheet-president-biden-announces-steps-to-drive-american-leadership-forward-on-clean-cars-and-trucks>.
- [10] Neal E. Boudette and Coral Davenport. "G.M. Will Sell Only Zero-Emission Vehicles by 2035." *The New York Times*. January 28, 2021. <https://www.nytimes.com/2021/01/28/business/gm-zero-emission-vehicles.html>
- [11] Fred Lambert, "Electric cars are now three to six times cheaper to drive in the US as gas prices rise." *Electrek.co*. March 22, 2022. <https://electrek-co.cdn.ampproject.org/c/s/electrek.co/2022/03/22/electric-cars-3-to-6-times-cheaper-to-drive-us-high-gas-prices/amp>.
- [12] U.S. Department of Energy, "Maintenance and Safety of Hybrid and Plug-in Electric Vehicles." U.S. Department of Energy. https://afdc.energy.gov/vehicles/electric_maintenance.html#:~:text=EVs%20typically%20require%20less%20maintenance%20than%20conventional%20vehicles,such%20as%20engine%20oil%2C%20that%20require%20regular%20maintenance.
- [13] Matt Mattila and Justin Lowell Bellew, "Making the Case for EVs' Job-Creation and Economic Benefits." *Greenbiz*. August 10, 2011. <https://www.greenbiz.com/article/making-case-evs-job-creation-and-economic-benefits#:~:text=The%20Electrification%20Coalition%20%28EC%29%2C%20which%20advocates%20for%20a,some%20U.S.%20companies%20have%20already%20added%20real%20jobs>.
- [14] Mia Yamauchi, "Driving on Electricity is Cheaper Than Gas in All 50 States." *Plugless Power*. <https://www.pluglesspower.com/learn/driving-electricity-cheaper-gas-50-states/#:~:text=On%20average%20it%20is%20%2460%20cheaper%20per%20month,allow%20EV%20drivers%20to%20use%20the%20carpool%20lane>.