



Electric Vehicles Deliver Savings Consumers Want

Chris Harto
December 9, 2021

Background on Consumer Reports

- Independent Nonprofit member organization representing **6 million consumers**
- Testing and rating of consumer products including vehicles
- Survey and research
- Advocate for policies that protect consumers



CR's Auto Test Center in Colchester, CT

Consumer Reports Survey

Consumer Interest and Knowledge of Electric Vehicles

2020 Survey Results



Nationally Representative Phone and Internet Survey
Prepared by CR Survey Research Department and Advocacy Division

December 2020



EV Ownership Cost Report

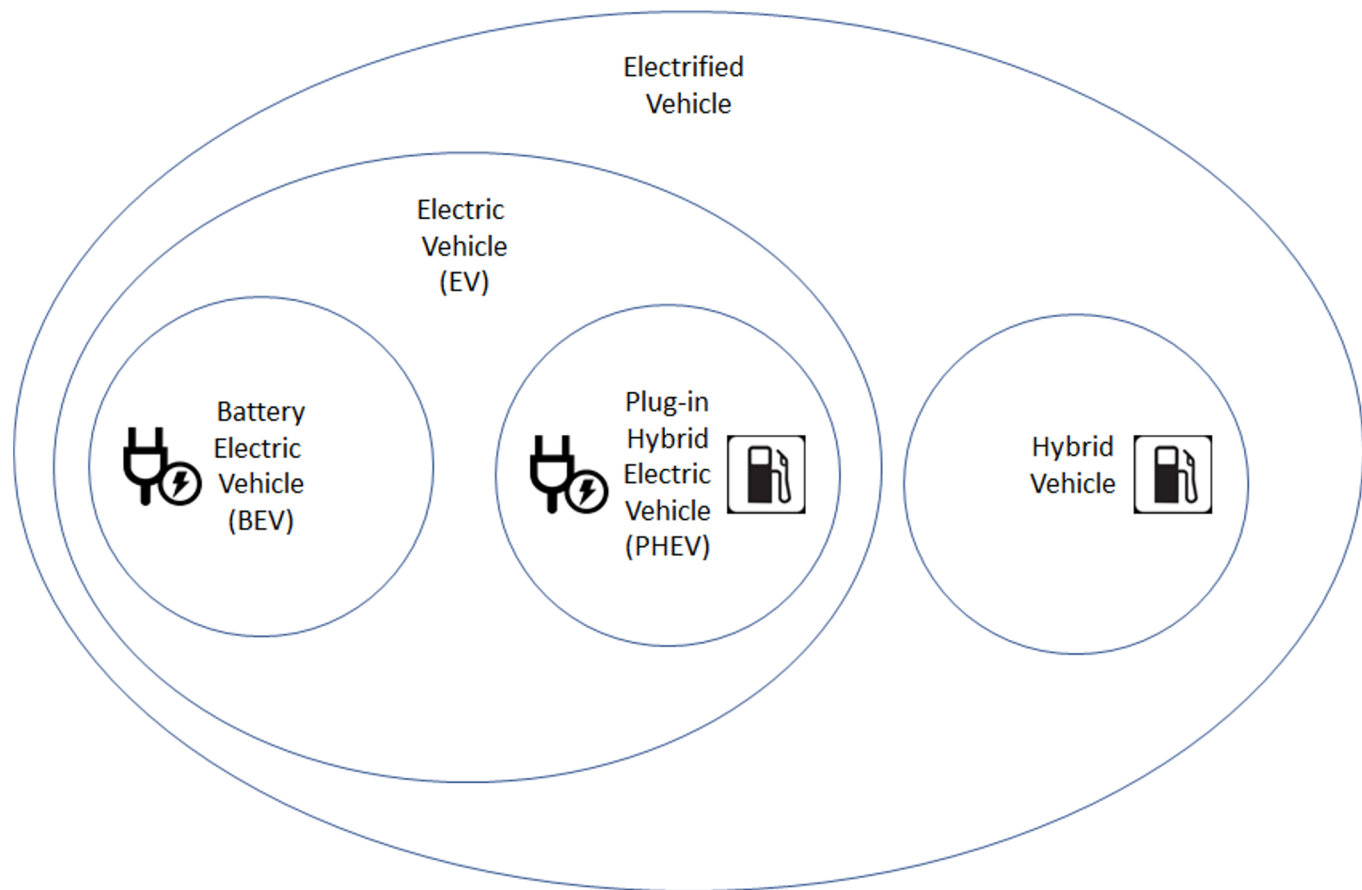
Electric Vehicle Ownership Costs:

Today's Electric Vehicles Offer Big Savings for Consumers

CHRIS HARTO
OCTOBER 2020



Key Definitions



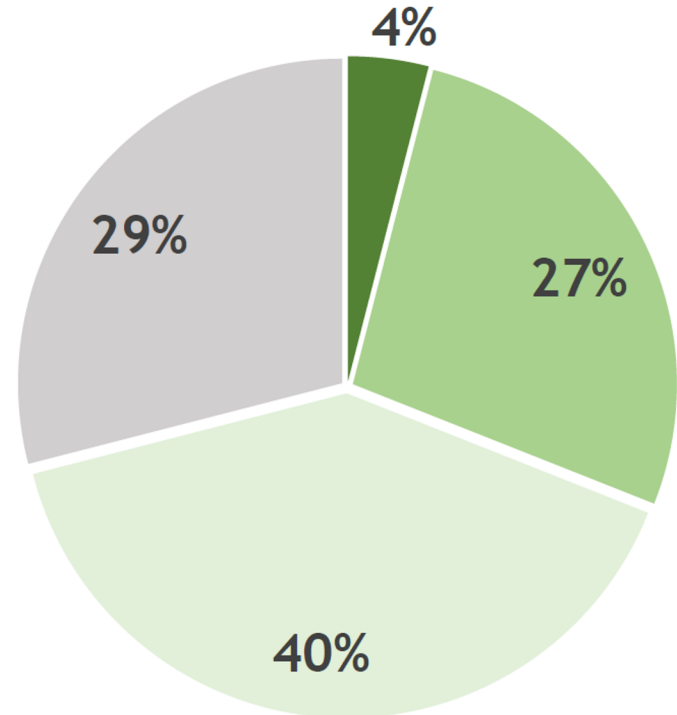


Consumer Interest in EVs

There is strong and growing interest in EVs

Which of the following statements best describes your thoughts on buying or leasing a plug-in electric vehicle?

- I definitely plan on getting an EV for my next vehicle
- I would consider getting an EV as my next vehicle
- I have some interest in getting an EV in the future, but not for my next vehicle
- I have no interest in ever getting an EV



When Consumers Buy EVs They're Happy with Their Purchase

93% of EVs tested by CR have received **above average** owner satisfaction ratings

Tesla Model 3



CR's #1 in Owner Satisfaction

The Market is Rapidly Expanding





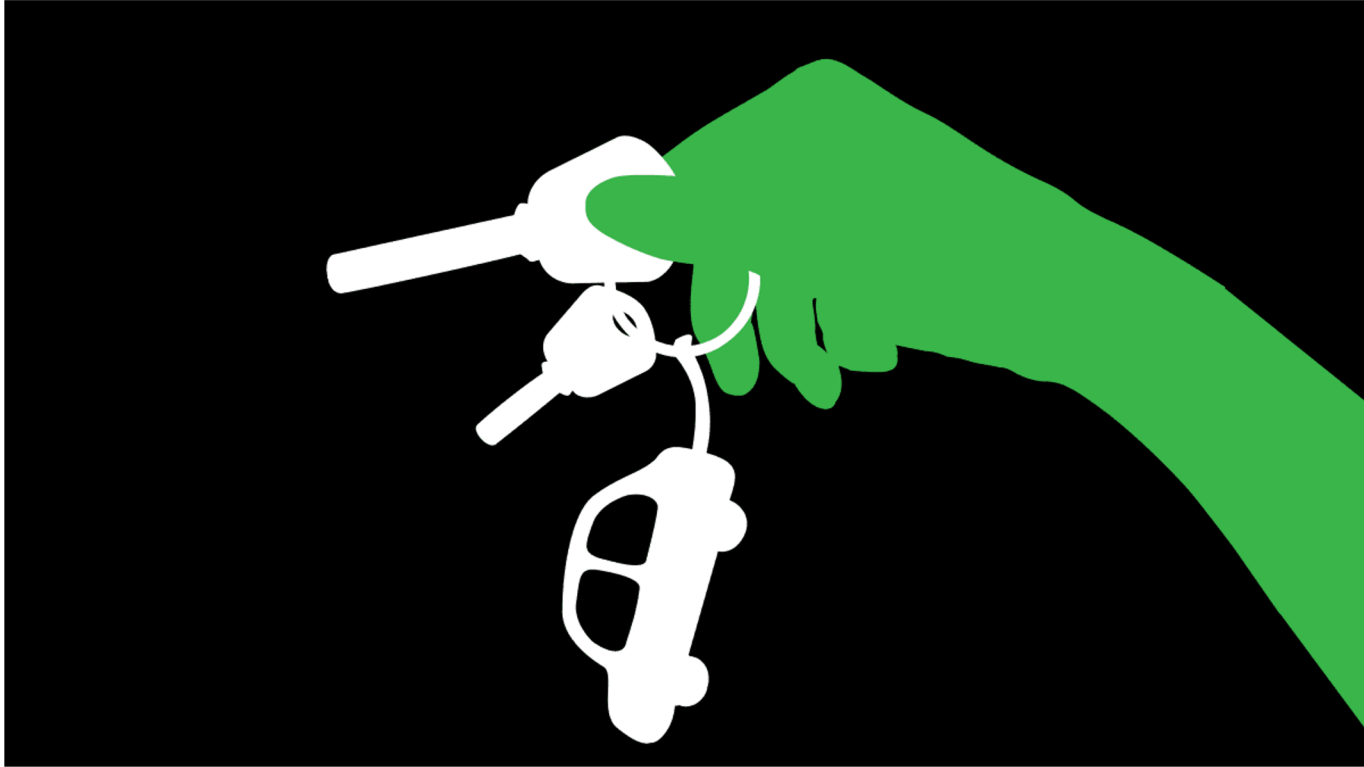
Consumer Benefits of EVs

Analysis of EV Ownership Costs

- Top Selling EVs were compared to best selling and highest rated gas vehicles in the class
- Factors included:
 - Purchase Price
 - Resale Value
 - Repair and Maintenance
 - Fuel Cost
- Conclusion...

Most Consumers Save Money Buying an EV

Current EVs Expected to Hold Value as Well as ICE



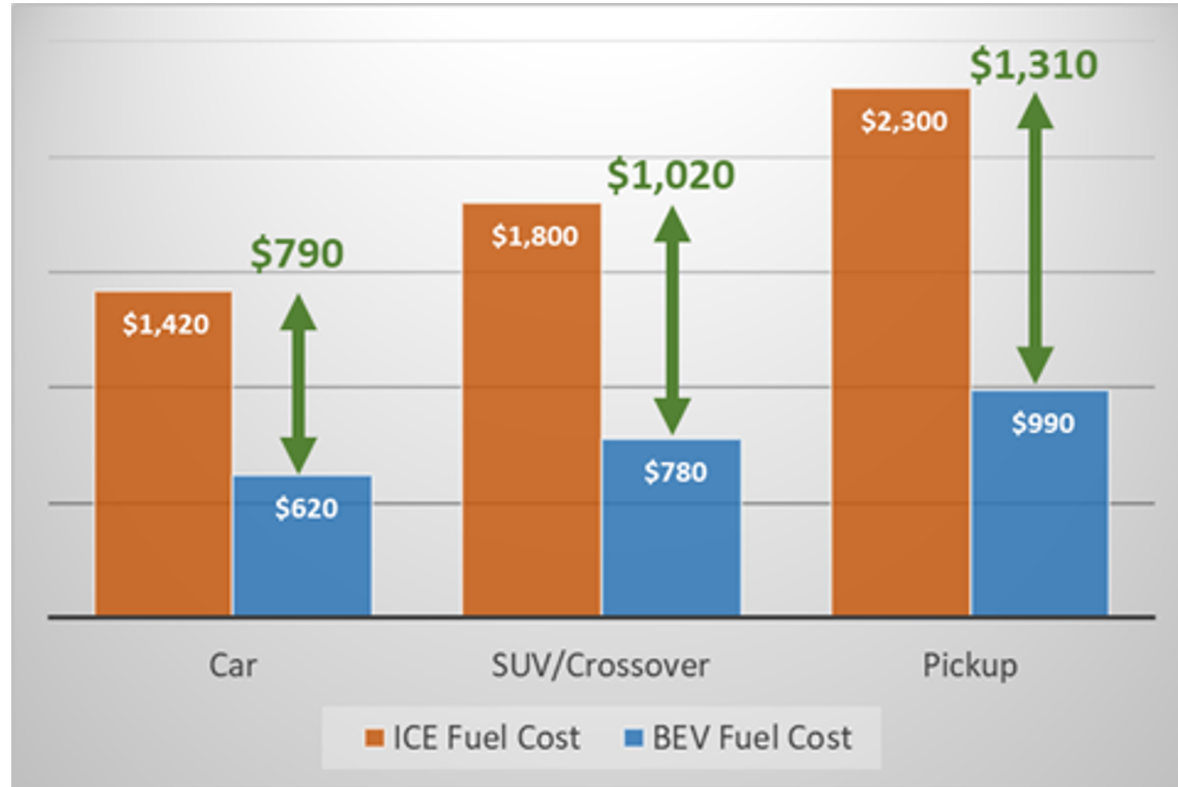
EV Repair and Maintenance **50% OFF!!!**

Powertrain Type	Lifetime Average Repair and Maintenance Cost Per Mile
Battery Electric Vehicle	\$0.03
Plug-In Hybrid	\$0.03
Gasoline	\$0.06

Present Value Lifetime Repair and Maintenance Savings for EVs: **\$4600**

Electric Vehicle Fuel **60% OFF!!!**

Estimated Fuel Cost per 15,000 Miles by Vehicle Class



It All Adds up to **Lifetime Savings of \$6,000-10,000**

Nissan Leaf vs. Hyundai Elantra GT



\$7,000 Savings

Ford Mustang Mach E vs. Mazda CX5



\$6,000 Savings

Toyota Prius Prime vs. Honda Civic



\$8,000 Savings

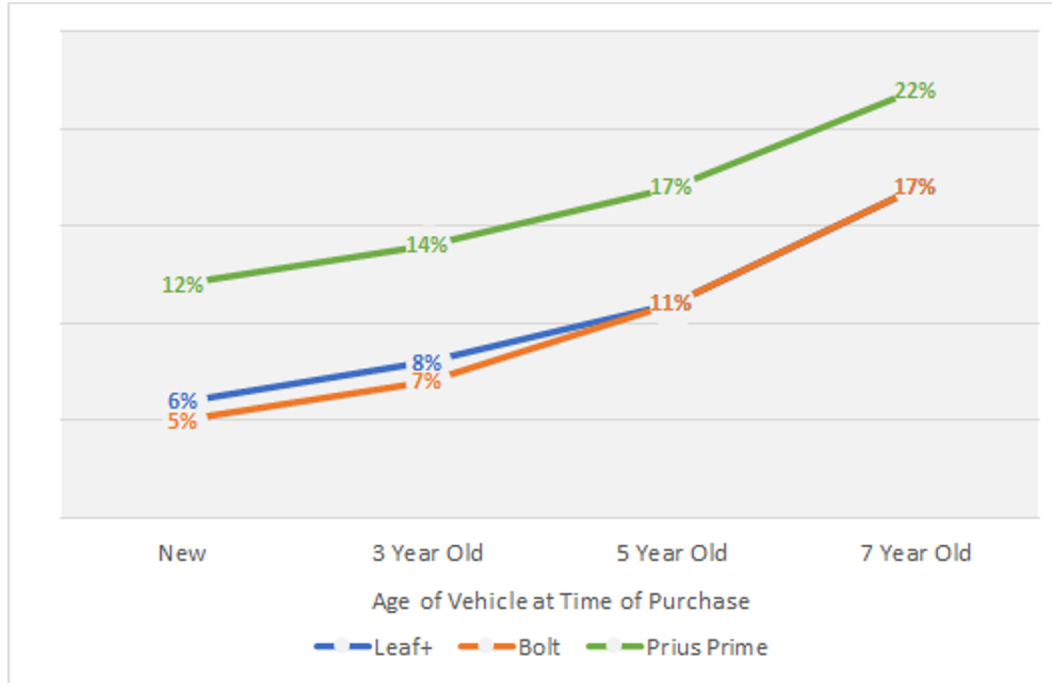
Ford Escape PHEV vs. Toyota Rav4



\$10,000 Savings

Used EVs Offer Even Greater Savings

EV Percent Savings Over 5 years Compared With Honda Civic Hatchback (Best Selling in Class) by Vehicle Age at Time of Purchase





Policy Support

Policy Support is Key to Ensure Equity and Accessibility

- **Federal Legislation**
 - **Bipartisan Infrastructure Bill**
 - **Build Back Better Act**
- **Regulations**
 - **Federal Clean Car Standards**
 - **State Clean Car Standards**
 - **State Zero Emission Vehicle (ZEV) Standards**



Conclusions

Consumers are Driving a Transportation Revolution

- + Strong consumer interest
- + Strong consumer value proposition
- + Strong policy support
- = **A Transportation Revolution!**