Why Electric Vehicles Are Great

Significantly Reduced Fuel Costs

A Chevy Bolt, in 20,000 miles, saves $1100 over a similar gas-powered car with a fuel efficiency of 31 mpg. Just pull into your driveway and reach for a plug. Like having a gas station at your house!

Significantly Reduced Maintenance Costs

Electric motors are much simpler than gas engines. And no more oil changes or muffler replacements!

Support Energy Independence

By running on electricity generated by U.S. sourced fuels, EVs are already putting a dent in the 8 million barrels of oil imported every day, and the $25 billion sent to foreign countries every month.

Promote Immediate Environmental and Health Benefits

Transportation is the leading source of carbon dioxide pollution in Virginia. But if you recharge your electric car from renewable sources like solar or wind power, it emits zero greenhouse gases. Electric vehicles emit no tailpipe pollution.

In Virginia, electric vehicles using the grid cause less than half the CO2 pollution of gas-powered cars. And as electricity generation migrates to non-carbon energy sources, the EV's indirect CO2 emissions will decrease significantly, eventually getting to carbon-free.

EV PERFORMANCE:
A quiet, smooth ride and great acceleration.

EV AFFORDABILITY:
Electricity costs less than half the price of gasoline.

EV CONVENIENCE:
Say goodbye to gas stations, oil changes, and tune-ups.

NATIONAL SECURITY:
Instead of sending fuel dollars overseas, EVs support jobs with your local utility.

AIR QUALITY:
EVs reduce air pollution, a leading cause of illness and premature death.

What Will It Take to Make EVs Great for EVerybody?

A Major Public Policy Opportunity

Fossil fuel-driven cars and trucks account for more that 50% of Greenhouse Gas emissions. We need to reduce CO2 pollution and ultimately eliminate it to secure a safer, cleaner planet for ourselves and for our children. That's why we need to speed up adoption of EVs.

We have a once-in-a-lifetime opportunity to:

- Create jobs throughout the state.
- Reduce harmful air pollution, protecting the health of Virginia communities.
- Keep more money in Virginia citizens' pockets.

What Legislators and Regulators Can Do

Migrating to Electric Vehicles is no small effort. It requires investment in more charging infrastructure, development of appropriate charging rates and the education of consumers and other stakeholders.

Elements of a successful program may include:

1. Charging Infrastructure Deployment
2. Vehicle Grid Integration
3. Education and Outreach
4. Partnership and Stakeholder Engagement
5. Fleet Targets
6. Medium and Heavy Duty Vehicle, and Bus Programs

We need to craft an omnibus set of bills and regulations that will work in concert and support a new level of outreach and communications — to all stakeholders and to the public.

The good news is that we're not alone. There are many successful models out there in other states. We have an opportunity to leverage their experience to make Virginia a national leader.

Where We Need To Go From Here

The first step is to learn about efforts in other states. There is a wealth of concise information available on successful transitions to Electric Vehicles.

Go to vasierra.club/evguide to access a digital version of this sheet and find additional information and fact sheets.

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