Minnesota: Electric Vehicle Briefing

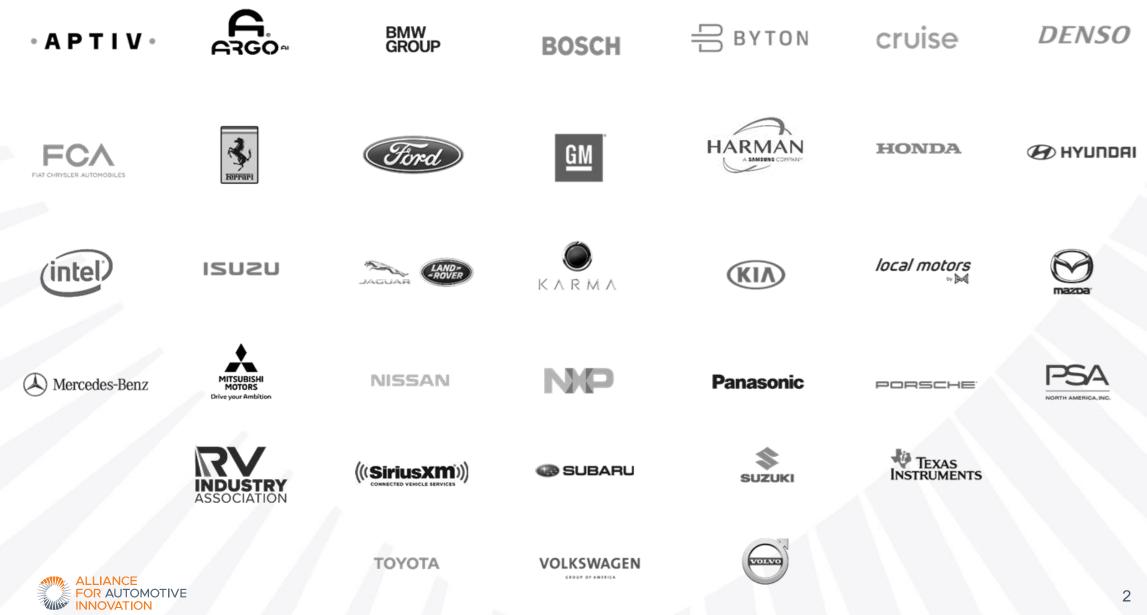


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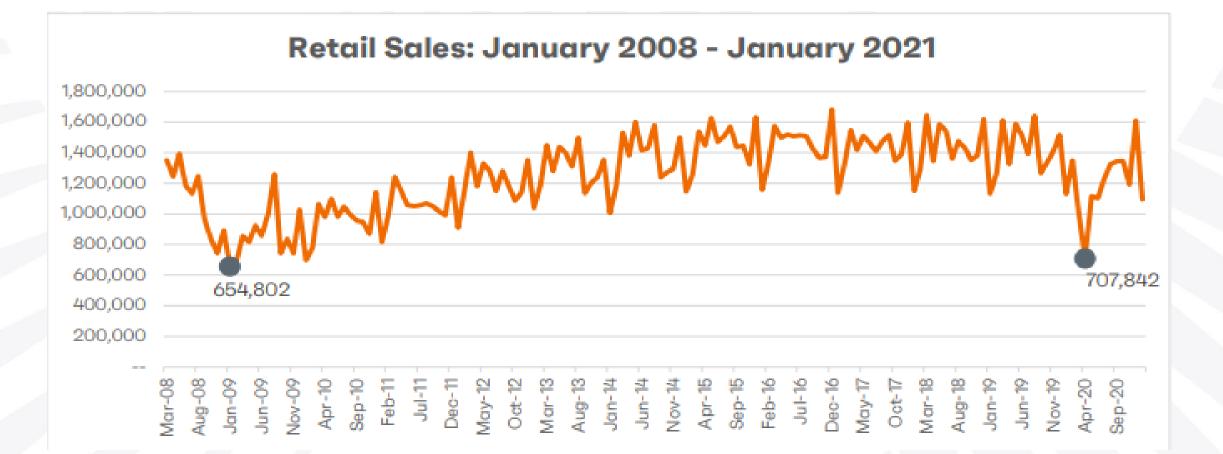
Our Members



Reading the Meter – Vehicle Sales Trends



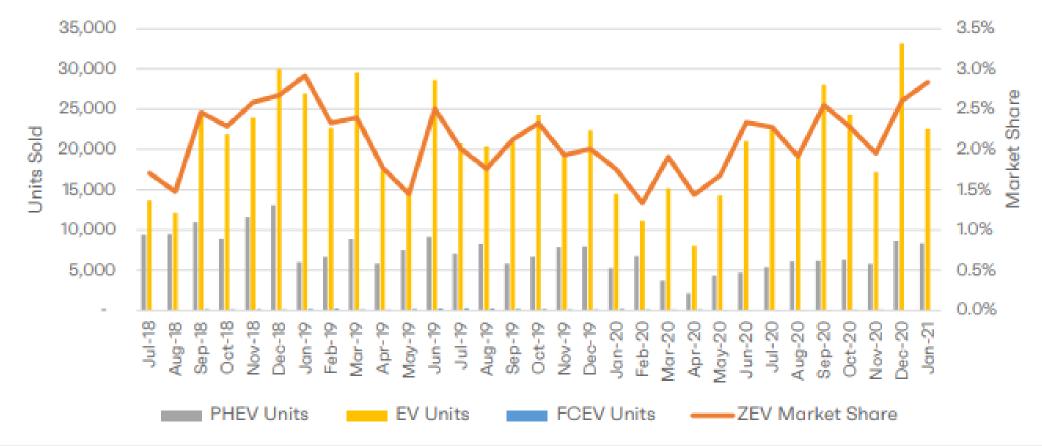
Reading the Meter – All Vehicle Sales





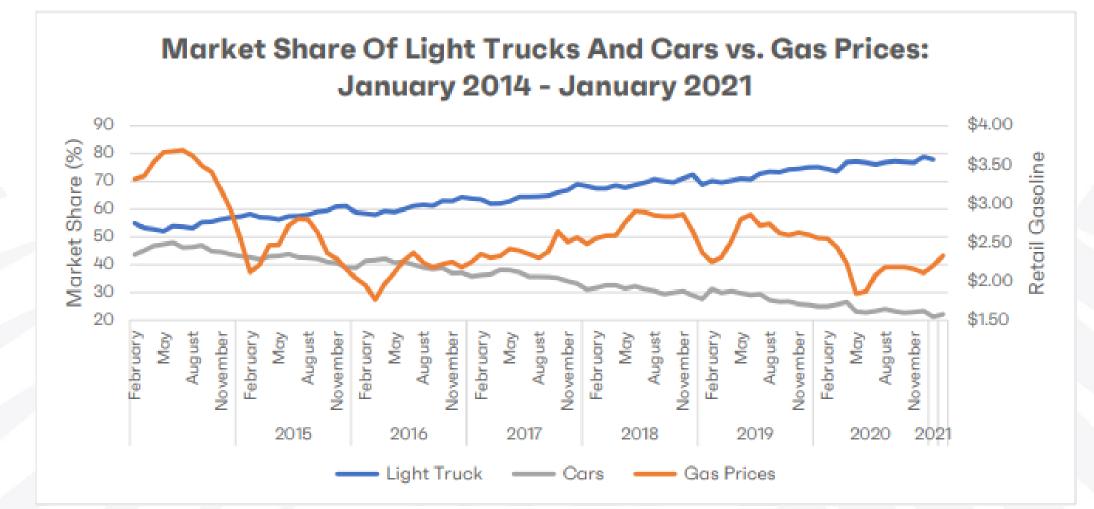
Reading the Meter – ZEV Sales







What's Driving the Market?

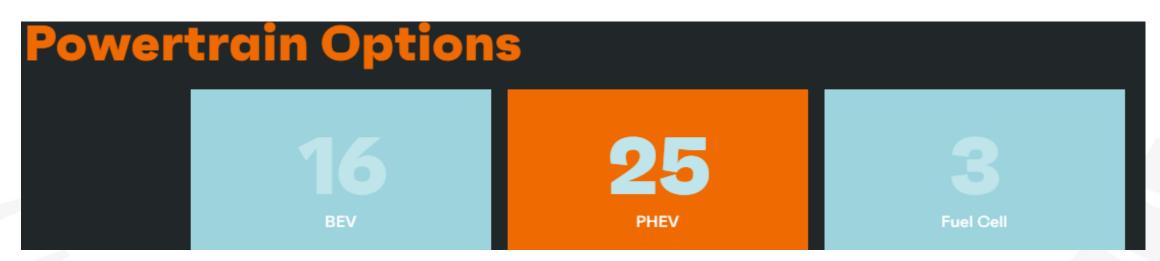




All In: Industry Commitment to ZEVs



The Industry is "All In" on ZEVs

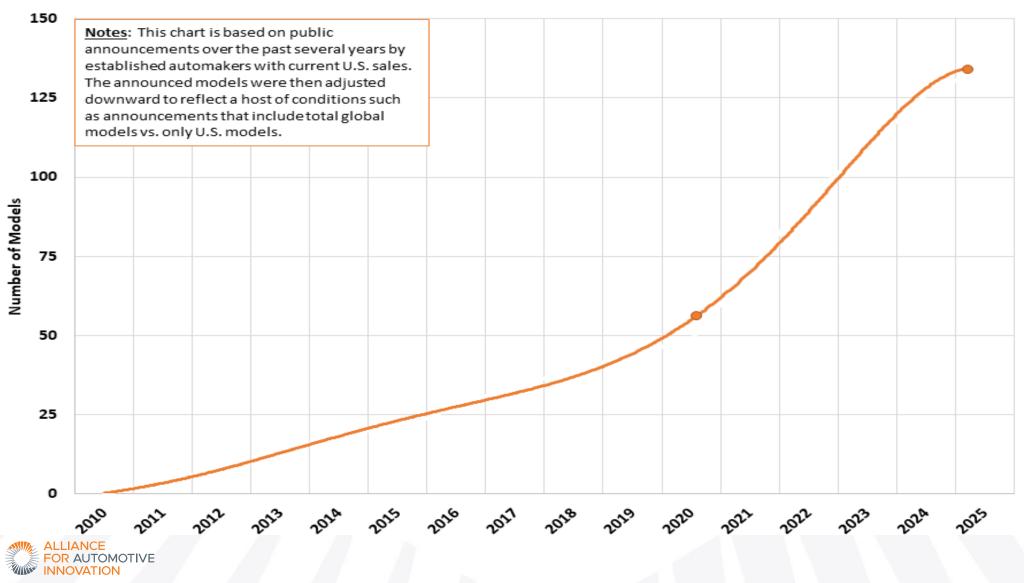


- More than 40 models of plug-in hybrid (PHEV), fully electric (BEV), and fuel cell electric vehicles (FCEV) are available now to consumers — and more are on the way.
- Our industry's investments in vehicle electrification are not slowing; investments are expected to reach over \$250 billion globally by 2023.
- With availability of models increasing rapidly, there will be more options to meet a wider variety of customer needs, and in general, all states – especially those with EV incentives and growing infrastructure investments – will have more available EVs for sale.
- At the same time, ongoing improvements have led to cleaner and more efficient light-duty vehicles; fuel economy has increased 30% since 2004, and tailpipe criteria emissions are over 99% cleaner than the 1960's.



Automakers Bringing More ZEVs to the Market!

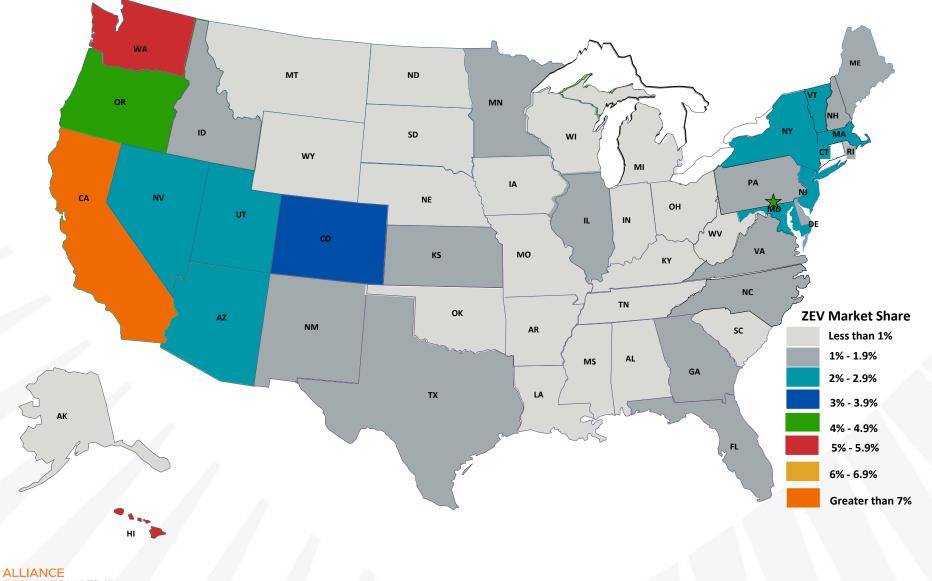
Estimated Number of FCEV, BEV, and PHEV Models



Minnesota's ZEV Market

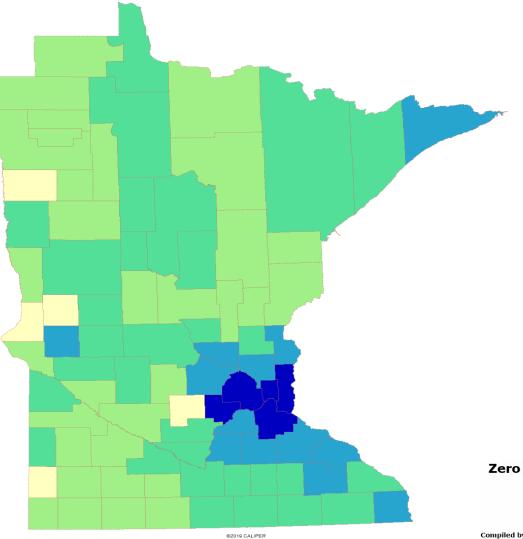


ZEV Sales Market Share By State: January – August 2020

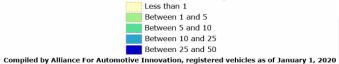




Where are ZEVs Selling in Minnesota?

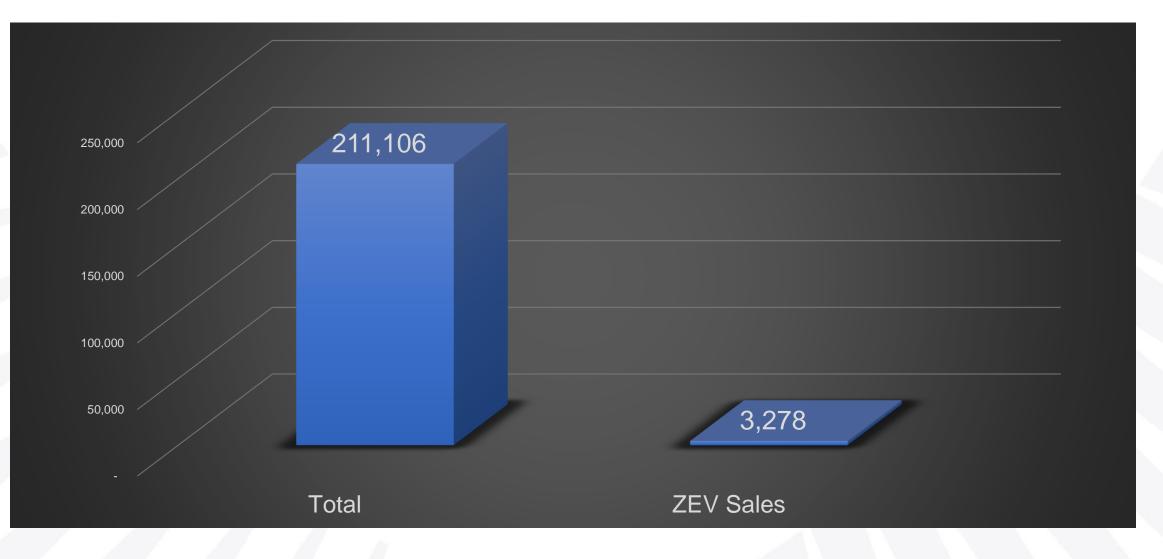


Zero Emission Vehicles Per 10,000 Residents





2020 Auto Sales in Minnesota



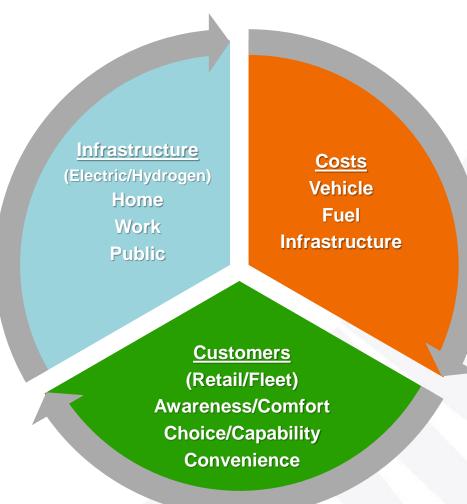


Industry and the States – A Shared Commitment



Electric Vehicle Future

- Governments and automakers around the world focused on electrification
- Goals can only be achieved with a coordinated, comprehensive, and sustained effort by all stakeholders
- Broad electrification must address infrastructure, costs, and customers
- Auto Innovators developing policies to align vehicle deployment with supportive measures





The Auto Industry is Committed to an Electrified Future

- Automakers are committed to electrification of personal transportation
- Automakers will actively support necessary complementary policies:
 - Incentives
 - Infrastructure
 - Fleet purchase requirements that match sales requirements
 - Low carbon fuel standard
 - Building codes
 - Streamlined infrastructure permitting
 - R&D to reduce costs
- Automakers will actively support targeted consumer education programs including public and private fleet purchase requirements



Minnesota Needs to Act Now

Auto Innovators highly recommends adoption of complementary EV policies in Minnesota

- Purchase incentives EVs go to markets with the most supportive conditions
- State programs that educate and encourage consumers and fleets to buy electric
- State fleet purchase requirements
- Utility investments in infrastructure
- Cleaner, more renewable grid
- EV-ready requirements for all new buildings
- Decarbonization of fuels through a low carbon fuels programs and using its revenue to fund vehicle rebates and infrastructure
- More electric charging infrastructure along major roadways
- Funding a network of hydrogen stations Minnesota lacks California's three available fuel cell electric vehicles due to a lack of infrastructure.
- Reduced tolls and HOV lane use for EVs





Transforming Personal Mobility