

Testimony to the Senate Education, Energy, and Environment Committee
HB 834 Electric Vehicle Charging Reliability Act
Position: Favorable

March 28, 2023

Senator Brian Feldman
Chair, Senate Education, Energy, and Environment Committee
2 West Miller Office Building
Annapolis, MD 21401

Honorable Chair Feldman and Members of the Committee,

As the driver of a 2015 Nissan Leaf that passed the 100,000 mile mark this past week, I feel especially qualified to comment on the implications of this bill. My Leaf at purchase was occasionally capable of 100-mile range in the beginning but now on a good day I can count on about 60-70. This means I rely HEAVILY on the availability of public charging.

As the EV adoption curve accelerates upward, more and more individuals that I encounter at the charging station are relying on public charging as their sole source to recharge their battery. Contention for chargers is increasing and it is no longer unusual to have to wait for access to a charger. In my experience the chargers are increasingly not being maintained in operable condition and this increases contention for the remaining operable chargers.

What are the implications of poor maintenance to the EV driver? Lost time calling the service provider to find out if they can initiate a charge, lost time searching for the next nearest charger and depending on how far this is, lost time requesting a tow if battery capacity fails to reach that destination. It could mean missed doctors' appointments, job interviews, soccer games etc. It can have a very detrimental impact on the life of the driver and friends and family. I have experienced these losses and they are painful. I have seen how some drivers take their frustration out on the equipment and this exacerbates the problem adding to the expense of the repair.

This bill not only will hold a potentially large supporter of the EV community to account for the reliable service of their chargers, it will also provide you with useful data that can be used for wise planning and legislation. Because EVs are a relatively new mode of transportation planners have lacked the real-life experience. There were misconceptions and misguided projections about how EV charging would be utilized. There are installations which could have been done much better had there been experience as a guide. The needs will change over time with increased adoption and evolving technology. With this bill, you, and Maryland residents gain valuable information about usage, cost, quality of equipment and trends.

Thank you for your consideration, and I urge a favorable vote on HB 834.

Respectfully,

Lynn Parsons
Kensington, MD