

Daniel Varley

I have driven an EV over 10000 miles the past eleven months. Only 3% was at a commercial charger with the balance of the charging done overnight at home. People are used to the internal combustion model, and I believe price and range anxiety mostly slow adoption of electric vehicles. The following relates to range anxiety.

It makes no sense to put chargers at barber shops, car washes, laundromats, banks, jails, department stores, retail stores, hospitals, drug stores, doctor and dentist offices, funeral parlors, swimming pools, amusement parks, tennis courts, theaters, casinos, restaurants, bars, libraries, museums... Those locations weren't required to provide gas pumps.

It takes time to charge an EV, and trying to charge an EV during short duration stops at those above locations makes no sense. Low voltage chargers work so slowly as not to be worth the effort of hooking up. Having charging facilities at housing locations does make sense because significant range can be added at night even at lower voltages.

Having numerous higher voltage charging stations makes the most sense (the gasoline model) at which EVs can charge before going home to a residence without charger hookups or for a quick top off if a driver thinks they need it. Most people won't need to charge up every day and charging will be akin to a weekly stop at a gas station which can be avoided by plugging in at home.

I still have a bit of range anxiety despite traveling 10000 miles without a problem. Knowing that there is a nearby higher voltage charger within a few miles in a city or 50 miles along a highway should eventually eliminate the concern and possibly get my wife to give up her gasoline powered car.