



SB477 – Residential Construction or Significant Renovation - Electric Vehicle Charging

Testimony before

Senate Education, Energy, and the Environment Committee

February 14, 2023

Position: Favorable

Mr. Chair, Madame Vice Chair and members of the committee, my name is Richard Deutschmann, and I represent the 750+ members of Indivisible Howard County - an active member of the Maryland Legislative Coalition (with 30,000+ members). We are providing written testimony today in **support of SB477**, to update the Public Safety statutes to mandate a certain percentage of EV Supply Equipment installed parking spaces for certain newly constructed buildings and buildings undergoing certain renovations. We appreciate the leadership of Senator Feldman in sponsoring this bill.

The number of registered EVs in Maryland has nearly tripled – from 14,930 in 2020 to 39,517 as of the end of 2022. MDOT projects there will be 790,000 EVs in Maryland by 2030 – with ownership extending to a large portion of Maryland residents. The Edison Institute estimates that nearly 19 million EVs will be in use in the U.S. by 2030. Nine states, covering 13 major metropolitan areas, with 629,000 registered EVs, determined this is an important issue for the adoption of EVs and have passed EV-ready building codes.

Eighty percent of EV owners charge their vehicles overnight at home - it is the most convenient option and takes advantage of lower overnight electricity rates, while utilizing the grid when it is at its lowest usage. Post construction charging at-home requires the installation of equipment which can cost homeowners \$1500 or more; costs to multifamily building owners can be up to \$4000 per parking space. When installed during construction, these costs are reduced 40% - 75% when these installations become common practice as part of new construction or major renovations.

This bill would require EVSE-installed parking spaces in new homes, new townhomes, multi-family residential properties, a critical component in supporting the adoption of electric vehicles in Maryland.

Thank you for your consideration of this important legislation.

We respectfully urge a favorable report.

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