

March 1, 2022

The Honorable Kumar P. Barve
Environment & Transportation Committee
House Office Building, Room 251,
6 Bladen St., Annapolis, MD, 21401

RE: Opposition HB 1146 Residential Construction - Electric Vehicle Charging

Dear Chairman Barve:

The Maryland Building Industry Association, representing 100,000 employees statewide, appreciates the opportunity to participate in the discussion surrounding **HB 1146 Residential Construction - Electric Vehicle Charging**. MBIA **Opposes** the Act in its current version.

This bill would require multi-family residential buildings to install level 2 Electric Vehicle chargers. MBIA respectfully opposes this measure. This bill would create prohibitive cost increases that would increase the cost of housing in the State of Maryland. The current electric vehicle usage is still a very small segment of the market. As the market for electric vehicles grows, the demand for these stations will grow and they will be installed to meet that demand in a more efficient and targeted way. While we support technological advancements that will improve the health of the environment, this legislation is too expensive and forces market trends before the market is prepared to change with insufficient data to support such a significant change.

The electric vehicles registered in Maryland are located in higher-density areas. Areas like the Eastern Shore and Southern Maryland do not have a market for electric vehicles yet, but this measure would apply to all new construction across the State, whether such infrastructure will be needed in the near future or not. The Statewide market simply isn't ready for such far-reaching legislative mandates in this area.

Furthermore, the infrastructure required by this bill is advanced technology, which isn't cheap, and will continue to rapidly develop. It will be expensive for builders to keep up with technological advancements, and the increased costs will have to be built into the price of the home. Increasing the cost of building will increase the cost of housing, and the current market will not support it. Estimates from some of our members for installing a level 2 charging station are approximately \$60,000 (see attached for specifications). That cost does not include maintenance or other potential long-term expenses.

Finally, the current draft is unclear as to whether this requirement will count towards parking spaces that developers are required to provide or will be additional spaces.

For these reasons, MBIA respectfully requests the Committee give this measure an unfavorable report. Thank you for your consideration.

For more information about this position, please contact Lori Graf at 410-800-7327 or lgraf@marylandbuilders.org.

cc: Members of the House Environment & Transportation Committee

Juice Pedestal (JuicePedestal™)



SPECIFICATIONS:

Mounting Solution	<ul style="list-style-type: none">» Easy installation: ground-mounted with 4 bolts, concrete pad recommended» Cable management: built-in coil mount or retractable pulley system
Weight & Dimensions	<ul style="list-style-type: none">» Height: 73.83 in.» Width: 19.882 in. by 8.000 in. deep» Weight: 125 lbs (without charging stations - add 15 lbs per JuiceBox)
Payment Options	<ul style="list-style-type: none">» Optional unattended payment terminal: collect payment from the general public (pay by credit card, Apple Pay, Google Pay)» In app payment: authorized users can access station and pay for charging via QR code and mobile app
JuiceBox Chargers	<ul style="list-style-type: none">» Dual JuiceBox charging stations on your pedestal» Dynamic LED lights show charging status: network connectivity, charging in progress, car connected, delaying charging, standby» Charging stations secured with four security screws» Optional RFID: Access control enabled through RFID card

Electrical Characteristics	» Power configurations: 40A, 9.6 kW (final to be determined at install) » Single phase input: nominal voltage 208/240 VAC, voltage range 177 – 264 VAC
Input Cable & Plug	»» Hardwire conduit & wiring
Output Cable & Connector	» 20 ft cables, each rated 240VAC with a J1772 Plug » Cable retractors for cable management
Codes & Standards	» FCC Part 15 Class B, NEC 625 compliant, ENERGY STAR®* » OCPP 1.6J and Open ADR 2.0b compliant » ISO 15118 support (optional)
Safety	» UL and cUL Listed
