

SENATE BILL 987

E4

9lr2965

By: **Senator Lam**

Introduced and read first time: February 18, 2019

Assigned to: Rules

A BILL ENTITLED

1 AN ACT concerning

2 **Public Safety – Building Codes – Electric Vehicle Charging Infrastructure**

3 FOR the purpose of requiring, if a certain new building includes the creation of a certain
4 number of parking spaces, a certain percentage of the parking spaces to contain
5 certain electric vehicle charging infrastructure; requiring an electrical room of a
6 certain new building to be designed to accommodate certain electrical and
7 distribution equipment; requiring installation of electric vehicle charging
8 infrastructure to meet certain specifications; requiring a certain raceway to be
9 extended to a certain location under certain circumstances; authorizing certain
10 permanent markings under certain circumstances; requiring a certain accessible
11 electric vehicle parking space to be serviced by certain electric vehicle charging
12 infrastructure under certain circumstances; authorizing certain electric vehicle
13 charging infrastructure to serve a certain adjacent parking space; defining a certain
14 term; providing for the scope of this Act; and generally relating to building codes and
15 electric vehicle charging infrastructure.

16 BY adding to
17 Article – Public Safety
18 Section 12–205
19 Annotated Code of Maryland
20 (2018 Replacement Volume)

21 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,
22 That the Laws of Maryland read as follows:

23 **Article – Public Safety**

24 **12–205.**

EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 **(A) IN THIS SECTION, “ELECTRIC VEHICLE CHARGING INFRASTRUCTURE”**
2 **MEANS EQUIPMENT THAT TRANSFERS ELECTRICAL ENERGY TO A BATTERY OR**
3 **OTHER ENERGY STORAGE DEVICE IN AN ELECTRIC VEHICLE.**

4 **(B) THIS SECTION APPLIES TO THE CONSTRUCTION OF A NEW BUILDING**
5 **SERVING AS:**

6 **(1) A BUSINESS OCCUPANCY;**

7 **(2) A HOTEL;**

8 **(3) A MOTEL; OR**

9 **(4) A RESIDENTIAL OCCUPANCY CONTAINING SLEEPING UNITS OR**
10 **MORE THAN TWO DWELLING UNITS WHERE THE OCCUPANTS ARE PRIMARILY**
11 **PERMANENT IN NATURE, INCLUDING APARTMENT UNITS AND ASSISTED LIVING**
12 **FACILITIES.**

13 **(C) IF THE CONSTRUCTION OF A NEW BUILDING INCLUDES THE CREATION**
14 **OF 20 OR MORE PARKING SPACES, 5% OF THE PARKING SPACES SHALL CONTAIN**
15 **ELECTRIC VEHICLE CHARGING INFRASTRUCTURE.**

16 **(D) AN ELECTRICAL ROOM OF A NEW BUILDING SHALL BE DESIGNED TO**
17 **ACCOMMODATE ELECTRICAL AND DISTRIBUTION EQUIPMENT REQUIRED TO SERVE**
18 **AT LEAST 20% OF THE TOTAL PARKING SPACES WITH 208/240 V 40-AMP ELECTRIC**
19 **VEHICLE CHARGING INFRASTRUCTURE.**

20 **(E) (1) INSTALLATION OF ELECTRIC VEHICLE CHARGING**
21 **INFRASTRUCTURE SHALL:**

22 **(I) PROVIDE THE MINIMUM NUMBER OF 208/240 V 40-AMP**
23 **ELECTRIC VEHICLE CHARGING STATIONS TO SERVE THE DESIGNATED PARKING**
24 **SPACES UNDER SUBSECTION (C) OF THIS SECTION; OR**

25 **(II) 1. PROVIDE ADDITIONAL SERVICE CAPACITY,**
26 **INCLUDING SPACE FOR FUTURE METERS, PANEL CAPACITY, OR SPACE FOR**
27 **ADDITIONAL PANELS, AND RACEWAYS FOR FUTURE INSTALLATION OF ELECTRIC**
28 **VEHICLE CHARGING STATIONS TO BE DESIGNATED TO ACCOMMODATE THE FUTURE**
29 **INSTALLATION OF 208/240 V 40-AMP ELECTRIC VEHICLE CHARGING STATIONS**
30 **UNDER SUBSECTION (C) OF THIS SECTION; AND**

31 **2. PROVIDE A RACEWAY THAT TERMINATES AT**
32 **ACCESSIBLE ELECTRIC VEHICLE PARKING SPACES.**

1 **(2) (I) EXCEPT AS OTHERWISE PROVIDED IN SUBPARAGRAPH (II)**
2 **OF THIS PARAGRAPH, IF A DESIGNATED ELECTRIC VEHICLE CHARGING LOCATION**
3 **SERVES AN EXTERIOR ON-GRADE PARKING SPACE THAT IS LOCATED MORE THAN 4**
4 **FEET FROM A BUILDING, A RACEWAY SHALL BE EXTENDED BELOW GRADE TO A PULL**
5 **BOX IN THE VICINITY OF THE DESIGNATED FUTURE ELECTRIC VEHICLE CHARGING**
6 **LOCATION OR STUB ABOVE GRADE IN THE VICINITY OF THE DESIGNATED FUTURE**
7 **ELECTRIC VEHICLE CHARGING LOCATION PROTECTED BY A CURB OR OTHER**
8 **DEVICE.**

9 **(II) PERMANENT MARKINGS INDICATING A PATHWAY FOR A**
10 **FUTURE RACEWAY AND 1-INCH DIAMETER CAPPED SLEEVES THROUGH EACH WALL**
11 **AND FLOOR ASSEMBLY THAT IS PENETRATED ALONG THE ROUTE MAY BE ALLOWED**
12 **IF:**

13 **1. THE PATHWAY AND LOCATION OF CAPPED SLEEVES**
14 **ARE INDICATED IN THE ELECTRICAL PLAN; AND**

15 **2. THE RACEWAY IS INSTALLED FOR ANY PORTION OF**
16 **THE PATHWAY LOCATED BELOW SLABS, BELOW GRADE, OR WITHIN FLOOR, WALL, OR**
17 **ROOF ASSEMBLY.**

18 **(F) (1) IF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE IS**
19 **REQUIRED, EACH ACCESSIBLE ELECTRIC VEHICLE PARKING SPACE SHALL BE**
20 **SERVICED BY ELECTRIC VEHICLE CHARGING INFRASTRUCTURE.**

21 **(2) THE ELECTRIC VEHICLE CHARGING INFRASTRUCTURE MAY ALSO**
22 **SERVE AN ADJACENT PARKING SPACE NOT DESIGNATED AS ACCESSIBLE ELECTRIC**
23 **VEHICLE PARKING.**

24 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect
25 October 1, 2019.