



Bill No. 22-01
Concerning: Electric Vehicle Charging Infrastructure
for Certain New Residential Structures
Introduced: January 18, 2022
Revised: March 1, 2022 Draft No. _____
Enacted: _____
Effective: _____
Expires: April 18, 2022
Frederick County Code, Chapter 1-6
Section(s) 23

COUNTY COUNCIL FOR FREDERICK COUNTY, MARYLAND

By: Council President MC Keegan-Ayer

AN ACT to: Require electric vehicle charging infrastructure for certain new residential structures.

Date Council Approved: _____ Date Transmitted to Executive: _____

Executive: _____ Date Received: _____

Approved: _____ Date: _____

Vetoed: _____ Date: _____

Date returned to Council by County Executive with no action: _____

By amending:
Frederick County Code, Chapter 1-6 Section(s) 23

Other: _____

Boldface <u>Underlining</u> [Single boldface brackets] * * *	<i>Heading or defined term.</i> <i>Added to existing law.</i> <i>Deleted from existing law.</i> <i>Existing law unaffected by bill.</i>
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2 The County Council of Frederick County, Maryland, finds it necessary and appropriate to
3 amend the Frederick County Code to require electric vehicle charging infrastructure for charging
4 electric vehicles in certain new residential structures by adding provisions to Chapter 1-6:
5 BUILDINGS.

6 .

7 NOW, THEREFORE, BE IT ENACTED BY THE COUNTY COUNCIL OF
8 FREDERICK COUNTY, MARYLAND, that the Frederick County Code be, and it is hereby,
9 amended as shown on the attached Exhibit 1.

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11 AND BE IT FURTHER ENACTED, that the amendments shown on Exhibit 1 will be
12 effective for building permits issued on or after July 1, 2022 [[the effective date of this Bill]].

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M.C. Keegan-Ayer, President
County Council of Frederick County,
Maryland

§1-6-23. ELECTRIC VEHICLE CHARGING – RESIDENTIAL CONSTRUCTION.

(A) Definitions.

(1) “Electric Vehicle” - a vehicle that uses electricity for propulsion.

(2) “Electric Vehicle Charging Outlet” - a connected point in an electrical wiring installation at which current is provided to charge an electric vehicle.

(3) “Level 2 Charging” - the charging capability of the electric vehicle charging outlet and lines that includes the ability to charge a battery or other storage device in an electric vehicle through an alternating current electrical service with a minimum of 240 volts/40 amps and which meets applicable industry safety standards.

(4) "RACEWAY" – AN ENCLOSED CHANNEL DESIGNED EXPRESSLY FOR HOLDING WIRES, CABLES, OR BUS BARS, WITH ADDITIONAL FUNCTIONS AS PERMITTED IN THE NATIONAL ELECTRICAL CODE.

(B) Scope.

(1) This section applies to new construction of the following types of residential dwelling units:

(a) Single Family Detached; and

(b) Townhouses and Duplexes having an on lot parking area.

(2) This section does not apply to:

(a) Manufactured homes (mobile homes);

(b) Industrialized dwellings (modular homes); or

(c) New dwelling units that do not have public utility electric service connection.

(C) Installation of Electric Vehicle Charging INFRASTRUCTURE [[Equipment]].

(1) For each new residential dwelling unit construction subject to this section, the following must be installed **FOR A MINIMUM OF ONE DEDICATED PARKING SPACE:**

(a) AN ELECTRICAL PANEL WITH SUFFICIENT CAPACITY AND
SPACE TO SUPPORT A MINIMUM 240 VOLT/40 AMPS BRANCH CIRCUIT
[[A dedicated electric line of sufficient voltage]] for level 2 charging for at least one vehicle at the garage, carport, parking pad or on lot parking area;

(b) THE INSTALLATION OF RACEWAYS TO SUPPORT an electric vehicle charging outlet **TERMINATING AT A JUNCTION BOX AT THE PARKING SPACE** [[capable of providing level 2 or higher charging at the garage,

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Double underlining boldface indicates matter added by Amendment.

[[Double bracket]] boldface and strikethrough indicates matter deleted by Amendment.

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1 earport, parking pad or on lot parking area]]; and

2 (c) [[A]] PERMANENT AND VISIBLE LABELS STATING “RESERVED
3 FOR EV-RACEWAY” AT THE SERVICE PANEL AND “RESERVED FOR EV
4 CHARGING OUTLET” AT THE TERMINATION POINT OR JUNCTION BOX
5 AT THE PARKING SPACE [[label identifying the intended use of the electric vehicle
6 charging outlet]].

7

8 **(2) FOR EACH NEW RESIDENTIAL DWELLING UNIT CONSTRUCTION**
9 **SUBJECT TO THIS SECTION, THE BUILDER OR THE BUILDER’S AGENT SHALL**
10 **PROVIDE THE PURCHASER WITH THE OPTION TO INSTALL THE**
11 **APPROPRIATE WIRING WITHIN THE RACEWAY INFRASTRUCTURE REQUIRED**
12 **UNDER (C)(1), AS WELL AS AN ELECTRICAL CIRCUIT BREAKER AND OUTLET.**
13 **IF THE PURCHASER DECLINES THIS OPTION, THE BUILDER OR BUILDER’S**
14 **AGENT MUST SECURE WRITTEN CONFIRMATION FROM THE PURCHASER**
15 **PRIOR TO SETTLEMENT.**

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17 **(D) Performance Standards.**

18 The building official may specify performance standards for equipment to be installed to comply
19 with this section.

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21 **(E) Application.**

22 This section shall remain in effect until the adopted Frederick County Building Code includes
23 provisions to require and regulate electric vehicle charging equipment in the residential dwelling
24 units covered by this section.

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