

HOUSE No. 3218

The Commonwealth of Massachusetts

PRESENTED BY:

Jeffrey N. Roy

To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

An Act to promote transportation electrification infrastructure.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	DATE ADDED:
<i>Jeffrey N. Roy</i>	<i>10th Norfolk</i>	<i>1/19/2023</i>

HOUSE No. 3218

By Representative Roy of Franklin, a petition (accompanied by bill, House, No. 3218) of Jeffrey N. Roy for legislation to promote transportation electrification infrastructure. Telecommunications, Utilities and Energy.

The Commonwealth of Massachusetts

**In the One Hundred and Ninety-Third General Court
(2023-2024)**

An Act to promote transportation electrification infrastructure.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

1 SECTION 1. Section 53 of Chapter 179 of the Acts of 2022 is hereby amended by
2 inserting the following section after section 92C:-

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4 Section 92D. (a) Specific to achieving clause v of subsection a of section 92B,
5 notwithstanding any other requirements of Sections 92B or 92C, and building on the
6 Massachusetts executive office of energy and environmental affairs intergovernmental
7 coordinating council EV deployment plan to be published in August 2023 and the electric
8 distribution company electric sector modernization plans to be filed by January 2024, the
9 department of energy resources and Massachusetts department of transportation, in consultation
10 with each EDC, shall forecast EV charging demand through 2045 along highways and major
11 roadways and identify sites to create a statewide network of fast charging hubs along
12 Massachusetts highways and major roadways. By no later than two years following enactment of

13 this legislation, each electric distribution company shall submit plans for implementation of
14 transmission and distribution system build necessary to accommodate the charging network, and
15 the department of public utilities shall approve the plans, if deemed reasonable.

16 (b) The department of energy resources and Massachusetts department of transportation,
17 in consultation with each electric distribution company, by no later than six months following
18 enactment of this legislation, shall complete a study to forecast the 2045 electric demand from
19 electric light-duty vehicle and medium- and heavy-duty vehicle charging at service plazas and
20 other locations along Massachusetts highways and major roadways, based on current traffic
21 patterns and expected adoption of EVs to meet the Massachusetts 2045 climate goals.

22 (c) Within six months of, and based on the 2045 electric charging demand determined
23 Section 92D. (b), the department of energy resources, Massachusetts department of
24 transportation, and the electric distribution companies shall identify optimal sites along or near
25 Massachusetts highways and major roadways in each electric distribution company service
26 territory, which are suitable to host electric vehicle fast charging hubs to create a statewide
27 network and meet the anticipated demand in 2045. Identification of such priority sites for electric
28 vehicle fast charging stations should include, but not be limited to, consideration of the
29 following: (i) ease of access for both consumer and commercial electric vehicles; (ii) cost-
30 effective and efficient use of existing electric company infrastructure and rights-of-way; (iii) land
31 use feasibility; and (iv) potential ability to qualify for public funds, including, but not limited to,
32 those funds made available under the Federal Infrastructure Investment and Jobs Act (IIJA)
33 signed into U.S. Law in 2021.

34 (d) Upon identification of such electric vehicle fast charging hub sites, each electric
35 distribution company shall develop a plan to proactively design and build the additional
36 transmission and/or distribution infrastructure investments necessary on its system to satisfy, at a
37 minimum, the year 2045 projected charging demand at the applicable sites. The associated
38 infrastructure investments shall also be designed to accommodate any additional projected future
39 needs for the area identified by the electric distribution company.

40 (e) Within six months of identification of electric vehicle fast charging hub sites, each
41 electric distribution company shall submit to the department of public utilities its plan for the
42 additional infrastructure investments required for the identified electric vehicle fast charging hub
43 sites. The department of public utilities shall promptly consider the plan, and if it finds the plan
44 to be a reasonable approach to accommodate the increased transportation electrification
45 necessary to facilitate achievement of the statewide greenhouse gas emissions limits under
46 chapter 21N, shall approve the plan. Each electric distribution company shall be entitled to full
47 cost recovery of all charges for the infrastructure investments resulting from the plan, whether
48 such charges are associated with the costs of distribution facility investments or transmission
49 facility investments governed by rates filed with the Federal Energy Regulatory Commission.