STATE OF NEW YORK

10370

IN ASSEMBLY

May 21, 2024

Introduced by COMMITTEE ON RULES -- (at request of M. of A. Cunningham) -- read once and referred to the Committee on Corporations, Authorities and Commissions

AN ACT to amend the public authorities law, in relation to establishing a wireless electric vehicle charging program

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

Section 1. Legislative intent. The legislature recognizes electric vehicles are crucial to cutting greenhouse gas emissions, reducing reliance on fossil fuels, strengthening the economy, and combating the climate crisis. As of 2019, the transportation sector accounts for twenty-nine percent of all greenhouse gas emissions, which is the most of any sector. Increasing the adoption of electric vehicles will reduce pollution and increase air quality for communities located near roads with high traffic density or high-volume routes. As the automotive industry shifts towards electric vehicles, investing in new electric vehicle technologies will be crucial to enhancing New York's competitiveness, creating jobs, and ensuring continued economic growth.

Range anxiety is one of the chief barriers to electric vehicle adoption. If deployed strategically, static and dynamic wireless electric vehicle charging options could help by providing drivers convenient opportunities to charge and extend the range of electric vehicles. Wireless charging technologies could be invaluable for electric transit buses, trucking, fleet vehicles, and autonomous electric vehicles, allowing for convenient and hands-free charging, while also lowering costs, as effective wireless charging would reduce the need for larger and heavier batteries. Wireless and dynamic charging can also reduce pressure on the grid, allowing vehicles to charge through space and time, shaving peak demand and reducing the need to build massive charging capacity at any given location to meet growing electric vehicle charging demand.

Wireless can enhance electrification of fleets, including medium and heavy-duty vehicles, helping them meet operational needs that cannot be met solely by traditional charging systems. Wireless electric vehicle

EXPLANATION--Matter in *italics* (underscored) is new; matter in brackets [-] is old law to be omitted.

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charging has the potential to make electric vehicles more accessible and allow all people, regardless of physical ability, to enjoy the benefits of electric vehicles.

§ 2. The public authorities law is amended by adding a new section 1885 to read as follows:

§ 1885. Wireless electric vehicle charging program. 1. The authority shall establish a program, in consultation with the department of transportation, to research and provide incentives to eligible entities for projects to construct, install, or improve existing static and dynamic wireless charging infrastructure and technology for electric vehicles, including performance, safety, electromagnetic compatibility, interoperability, development, and testing of static and dynamic wireless charging.

2. The authority shall promulgate rules and regulations which shall include criteria for determining eligibility, incentives and governing disbursement of funds pursuant to the program. Such incentives shall not be limited to funds appropriated therefor and may consist of monies from any source, public or private, made available for such incentives.

§ 3. This act shall take effect on the ninetieth day after it shall have become a law. Effective immediately, the addition, amendment and/or repeal of any rule or regulation necessary for the implementation of this act on its effective date are authorized to be made and completed on or before such effective date.