



NineDot Energy Announces Support for the New York City Municipal Zero-Emission Vehicles Bill

By taking strong action to decarbonize its municipal fleet, New York City will significantly improve its local environment and enhance the lives of its citizens

Brooklyn, New York — December 15, 2022 — NineDot Energy, a leading developer of community-scale energy projects, today announced its support for Int. 0279-2022, the NYC Municipal Zero-Emission Vehicles Bill (ZEV4NYC). This Bill would require New York City to purchase only zero-emission light-duty and medium-duty vehicles (including school buses) beginning July 1, 2025, and to purchase only zero-emission heavy-duty and specialized motor vehicles beginning July 1, 2030. As the global climate crisis is far more severe than was understood 20 years ago, NineDot strongly encourages New York City to further accelerate its efforts in decarbonizing the urban environment by passing this legislation.

The bill's goals are achievable: vehicles are available today for purchase or lease in every zero-emissions vehicle (ZEV) category. Solutions also exist today that enable cities to build out charging infrastructure to power light-duty, medium-duty, and heavy-duty vehicles. Other cities in North America have deployed zero-emission transit buses, an example of heavy-duty vehicle deployment paired with charging infrastructure. New York can build on this learning to do even more and take a national leadership role.

For example, meeting the progressive electrification goals as defined under ZEV4NYC will require delivering both new charging infrastructure and clean energy to the requisite charging stations and it's possible to do so by employing proven technologies such as large-scale batteries and battery-boosted EV charging. Linking energy storage (batteries) to EV chargers can also provide peak power that might otherwise not be available within the local electric grid, and local storage can help minimize energy costs – critical obstacles that must be overcome for wide-scale, rapid ZEV adoption.

Meeting requisite grid stability goals, another requirement for ZEV adoption, can actually be improved through the deployment of medium-duty and heavy-duty vehicles that have large batteries. As an example, school buses can be implemented with vehicle-to-grid (V2G) capabilities, so the buses can store electricity during periods of low demand and feed it back to the grid during periods of high demand, helping companies like Con Edison manage periods of peak electricity usage.

In addition, the installation of charging stations for zero-emission vehicles in areas of high congestion will lower the emissions and pollutants in many low-income and disadvantaged communities, as will the general conversion to clean-energy vehicles.

There are many ways to implement the requirements of this bill. As New York City moves forward with this bold transportation initiative, NineDot Energy will be ready to assist with this transition, by providing direct and indirect infrastructure solutions to help with charging and grid resiliency. These solutions might include community-scale battery storage sites, battery-boosted EV charging, or standalone vehicle charging, as the needs and opportunities arise.

NineDot and its technology partners strongly believe that ZEV4NYC's goals are achievable. We fully support the City's ongoing leadership towards urban decarbonization and environmental justice and are committed to the innovation and public-private partnerships that will be needed to accomplish these urgent and important common goals.

About NineDot Energy

As a leading developer of community-scale energy projects, NineDot Energy creates innovative urban energy solutions that support a more resilient grid, deliver economic savings, and reduce carbon emissions. NineDot Energy is currently focused on developing battery energy storage sites in the New York City metropolitan area (including Westchester and Long Island) while working to enable vehicle-to-grid (V2G) capabilities at many of our locations. NineDot Energy is based at the NYU Urban Future Lab in Brooklyn, NY and backed by Carlyle. Learn more at nine.energy.

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