

DCAS Completes Solar EV Charging Canopy at Petrides High School

By Keith T. Kerman



The key to electrifying the city's fleet is the development of our electric vehicle (EV) charging network. DCAS and NYC DOT now offer over 2,600 EV charging ports, the largest such network in NY State.

On August 11, DCAS [announced](#) the newest edition to this network, our second solar canopy project at [Michael J. Petrides High School](#) in Staten Island, a project completed in partnership with NYC Public Schools.

The unit is a large solar canopy that includes six chargers. The photovoltaic solar cells will generate 6 kilowatts of power during optimal sunlight periods. The chargers will dispense electricity at 7.2 kilowatts.



These solar canopies are distinct from the existing DCAS solar carport initiative. Solar carports, like the one at the Municipal Building, provide electric vehicle charging through solar panels tied to battery storage. The solar carports are not tied to the electric grid, store electricity in the battery only, and can play a resiliency and emergency role.

The solar canopies are tied to the electric grid. The solar provides a large percentage of the electric needed to power the vehicles with the additional needs supplied through the grid. These units would also supply electricity during power loss events, though with lower output, and are half as expensive per port as the carports. The chargers at Petrides will be used by city fleet vehicles, electric school buses, and to support our workplace charging pilot.



The Petrides unit is fleet's second solar canopy. The first solar canopy and EV charging unit was installed on Rikers Island by the Department of Correction in 2022. This unit was our test case for this type of technology. The Petrides canopy is the first of five units DCAS is installing in 2026 in compliance with [Local Law 63](#) of 2024. DCAS will be building one in each borough and is already working on additional sites for our FY27 capital charging program.

The contracting and installation for this project was coordinated by Assistant Commissioner Brent Taylor and Urban Innovation Fellow [Thomas Conboy](#) from Cornell Tech. Thomas has been working with DCAS for two years supporting sustainability initiatives including the rollout of renewable diesel and the solar canopy project. His fellowship will leave behind a clean tech permanent infrastructure throughout the city. We look forward to announcing completion of the next project which will be in Central Park.

VISION ZERO

Building a Safer City



Thursday, October 22nd, 2026
Queens Theatre, Flushing Meadows Corona Park

DCAS and Together for Safer Roads invite you to the 2026 Vision Zero Fleet Safety Forum!

The event will bring together leading stakeholders from public and private fleets, innovative safety technology companies, policy experts, and road safety advocates for an exciting day of speeches, panel discussions, and breakout sessions.

Join us as we discuss how to systematically build safety into our roads, vehicles, and fleet operations.

The event is free and includes breakfast and a networking lunch. RSVPs are required.



Event Schedule:

Networking
breakfast begins:

7:30 a.m.

Program begins:

8:30 a.m.

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Join the four-week challenge where thousands of city employees walk, run, and roll towards their fitness goals. Compete as an agency team, an individual top mover, or a consistent mover.

There will be prizes for the top 3 teams and top movers, and recognition for consistency!

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