

Bill de Blasio, Mayor  
 Stacey Cumberbatch, DCAS Commissioner  
 Keith T. Kerman, Chief Fleet Officer

SEPTEMBER 25, 2015

ISSUE 109

## NYC FLEET'S FIRST SOLAR CARPORT

KEITH T. KERMAN

On September 21, Mayor de Blasio announced a doubling of solar installations citywide from both public and private projects. NYC Fleet joined this effort on September 16 with the roll-out of our first solar carport here at the Municipal Building at City Hall.

Designed by Envision Solar, the City's first solar carport is a ready to use, completely power autonomous unit, that requires no installation or utility connections of any type. It was towed and forklifted into place and is operational. Called an EV ARC, NYC's carport is one of 60 in operation in the United States. Almost all of the others are in place on the West Coast including at Google and for the State of California.

The solar array can produce up to 4.1 kilowatts (kW) per hour and the unit's batteries have 29.4 kilowatt hours (kWh) of capacity in total. This could, for example, fully charge daily two Chevy EV Volts which can take up to 10.8 kWh each and have more to spare.

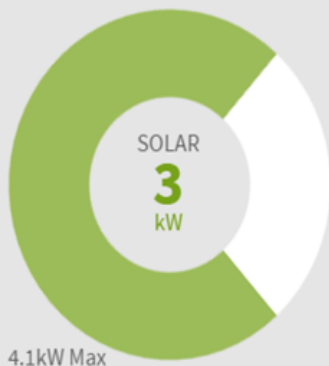
When used with a dedicated EV vehicle, this charger offers transport options with no tailpipe or green house gas emissions. This solar charger joins the City's 9 solar light towers, solar powered sign boards, and a number of solar powered personnel carts as fleet increases its use of solar and solar electric technology.

Like the City's 243 existing electric charging stations, the solar charger will use the Chargepoint system for authorizing and tracking EV fleet use. To begin, the unit will be supporting a GM Volt and a Nissan Leaf assigned to the central fleet unit here at DCAS. NYC currently operates over 300 full use EVs and 850 plug in fleet units in total.

Many thanks to Jon Ells, who planned this successful project (and congratulations on your upcoming wedding), Stephen Stamo at DCAS OCP who worked on the contract, and Lou DeSio, Calogero Rizzo, Alejandro Porini, and Javier Soto of DOT for their excellent logistical support.



CURRENT SYSTEM STATUS : 09/21/2015 11:56 AM



Right Now, You are

**PRODUCING**

Solar Load    3kW  
 Load         0kW

POWER FLOW

