

An architectural rendering of the Croton-Harmon Train Station. The image shows a large, modern parking lot covered by a complex, multi-level solar canopy structure made of metal beams and panels. Several cars are parked in the lot. In the background, the train station building is visible, featuring a prominent red and white train car. The sky is clear and blue.

# Status Report On Solar Canopies At The Croton-Harmon Train Station

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# Very Brief History

Solar canopies over the parking lots were first proposed in 2017.

Those early projects were too small or offered too little revenue.

June 2020: Croton's Village Board asked the Sustainability Committee (SC) for a no-cost option to raise parking lot revenue.

July 2020: with Village staff help, the SC drafted a Request For Proposals (RFP) and sent it 168 solar developers.

Oct. 2020: out of 7 proposals, Solar Customer Solutions' (a/k/a SolSystems) bid was accepted. A contract was signed March 2021.

Design development / permitting / etc. has been ongoing.

Construction is slated to start summer 2022, and finish in 2023.

# Project Layout

Fourteen solar canopies will cover parking west of Veterans Plaza. Lot sections H & I are not “geotechnically stable” and won’t be used.



# Canopy Design / Capacity

The single-tilt long-span canopies will use bi-facial (both sides) panels to maximize solar output.

The system will produce 4 MW<sub>DC</sub> of clean power, and includes a 3.5 MW of battery power storage holding 15 MWh.

~40% of the power will be used by Croton's municipal facilities. ~60% will be sold to ~450 Croton homes. ~1,800 tons/yr of GHG will be avoided, equivalent to ~500 cars.

24 EV chargers, and LED lights under the canopies, will be installed.

Croton will receive ~\$400,000 a year in lease rent. All of this is being done at no cost to taxpayers.



Thank you for your time  
and attention.