

Sun Crest Heights

Preserving Affordable Housing in Capitol Heights



Sun Crest Heights will receive 250 kW of solar on its roof. Above, a group from Inter-American Development Bank kick off the installation.

Solar for Maryland Tenants

Sun Crest Heights, an affordable apartment complex in Capitol Heights, Maryland, is receiving 250 kW of solar on its rooftops and parking lot carports. The building owners currently pay the utility bills for all 140 low-income residents. The solar installation will provide up to 99% of the building's electric load and result in up to 30-40% savings on the electricity costs for the complex. The building developer plans to use the electricity bill savings to fund upgrades to the building, while still maintaining affordable rent.

The building upgrades planned in conjunction with the solar installation are part of an ongoing process that the developer has undertaken to transform the apartment complex from an unsafe, crime-ridden apartment building, to a safe, sustainable, and affordable community for the tenants.

IMPACT



System Size: 250 kW (DC)
Lifetime CO2 Savings: 6,520 tons
Equivalent of trees planted: 151,650





Sun Crest Heights is home for 140 low-income residents.

Helping People Live Affordably

Sun Crest Heights is the home for approximately 140 low-income tenants, living in 44 units. The solar savings will help the developer pay for multiple upgrades, including:

- A new roof
- New kitchens for all units
- New insulation for better heating and cooling efficiency
- Water-saving fixtures and energy star appliances
- New LED lighting and electrical system upgrades
- Ground floor flood/water protection systems
- Complete unit interior renovation

A Solar Carport

The total 250 PV system, which will consist of 783 solar modules, will be split between the rooftops of the apartment and the adjacent carport. 170kW will be located on the two 3-story apartment buildings. 80 kW will be installed on a carport.

This system will become the largest residential roof-mount solar PV installation in Prince George's County, and is GRID Alternatives' first ever solar carport array. The system will cover nearly the entire electric load for the whole complex.



The carport will be the first solar carport completed by GRID.



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