

CASE STUDY:

TAYLOR STREET SELF-STORAGE GREEN ROOF + SOLAR PV

PROJECT OVERVIEW

PROPERTY TYPE:

Commercial

INSTALLED MEASURES:

17,500 square foot green roof with a fully integrated 134 kW solar PV installation on a newly constructed building



\$750,000
PACE Funding



20 Years
Term



United Bank
PACE Lender



\$15,000
Annual net benefit



MID-ATLANTIC
PACE
ALLIANCE
pacealliance.org



Photo Courtesy: Solar Energy Services, Inc.

THE CHALLENGE:

Property owners in the District are often faced with a challenge if they want to go solar. Rooftop solar helps cut energy costs, provides valuable tax credits, and generates income from Solar Renewable Energy Credits (SRECs). However, many new construction or substantially renovated buildings are also required to meet high stormwater retention standards. Green roofing is often the most viable way for buildings to retain stormwater. This means many developers have to choose: rooftop solar or a green roof?

THE SOLUTION:

Development team Lock 7 and Adler Financial found an innovative way to meet stormwater retention mandates without sacrificing the ability to install solar. The design and installation team of Furbish and Solar Energy Services, Inc. provided an integrated system where green roof material serves as the ballast for the solar panels. The green roof is designed to retain 100% of runoff on-site while the solar PV will produce more than 150,000 kWh annually.



URBAN INGENUITY

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ABOUT URBAN INGENUITY

DC PACE is independently administered by Urban Ingenuity, a District of Columbia clean energy financing company working on behalf of the District Government's Department of Energy & Environment. Urban Ingenuity works on behalf of building owners to structure, underwrite, and fund energy and green building upgrades. Urban Ingenuity has successfully funded millions of dollars of property improvements with DC PACE, and is working nationally to bring clean energy investment to underserved communities.