



SolaBlock Celebrates Earth Day with First Anniversary of Continued Performance of its Test Wall

FOR IMMEDIATE RELEASE

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Pittsfield, MA and Troy NY - It's a celebratory Earth Day for SolaBlock as it also marks the one-year anniversary of the continuous operation of our original Solar Masonry Unit (SMU) test wall, located at Chicopee Mason Supply, in Chicopee, Massachusetts. After one year of performance, the results confirm that our Vertical Solar Solution for buildings and other infrastructure is performing exactly how vertical solar should.

The included energy production graph for the past year confirms our findings – in most latitudes throughout the United States, in the winter months when rooftop solar energy production shows a meaningful decline, SolaBlock's south facing BIPV solution complements the rooftop by a marked increase in energy production. This change in performance is attributed to the lower winter sun shining directly onto the vertical surface of our BIPV wall.

First-year summary highlights of our 233-watt BIPV test wall include:

- Performance follows expected solar trend, with lower performance in summer and higher performance in winter.
- Maximum performance of 221 Watts occurred on December 23, 2024 (augmented by ground snow reflecting onto the vertical solar).
- Summer maximums averaged near 100 Watts with a total average maximum around 175 Watts.
- No physical degradation of SMUs or modules detected at end of one year of operation.
- Seven days of data were lost due to Internet communications interruptions (WIFI system going down) which impacted the recording.
- Our test wall is available for public inspection at Chicopee Masonry Supplies offices at 451 McKinstry Avenue, Chicopee, Massachusetts.
- Real time performance of the wall can be seen at www.solablock.com/Applications.

“Our first wall running for an entire year with no service interruption is a testament to the durability of our solar-embedded concrete solutions,” states Eric Planey, CEO. “SolaBlock has proven that we can create hardware that works in the field with production results that are unique to the Building Integrated PV category. The clean energy transition away from fossil fuels to heat pumps in buildings creates additional demand for on-site solar production in winter months; a demand SolaBlock's BIPV

products fulfill. Further, our product line is driven by market economics creating a true return for a building developer, and that is why we are receiving interest from the Northeast region, to Europe, and beyond.”

Adding to the excitement of the one-year milestone, is the focus SolaBlock is placing on its new Photovoltaic Precast (PVP) wall systems, designed in conjunction with Fort Miller Group of Greenwich, NY. “As we announced in March, our first product will be a solar highway sound barrier wall,” explained CTO John O’Connor. “We are hoping that by Summer Solstice we will have replaced the online real time reporting of our original SMU test wall with a prototype solar highway sound barrier wall, which will be located at Fort Miller’s campus.”

Co-founder and Senior Scientist Pat Quinlan was reflective of this accomplishment, “It took many years for us to get an operational test wall, and we are proud of where it has taken us. While there are too many partners to name, we must thank Massachusetts Clean Energy Center for their support to get our product UL approved, Rensselaer Polytechnic Institute for their continued testing of our SMU’s performance, and SunWize Power Systems for manufacturing a world-class solar module based on our design.”

About SolaBlock: SolaBlock provides Vertical Solar Solutions (VSS) for our customers utilizing our soon to be developed Photovoltaic Precast Panels (PVPs). SolaBlock’s portfolio of products combines premium solar technology with a variety of concrete based products. Founded in Massachusetts, SolaBlock is proud to be assembled in the USA.

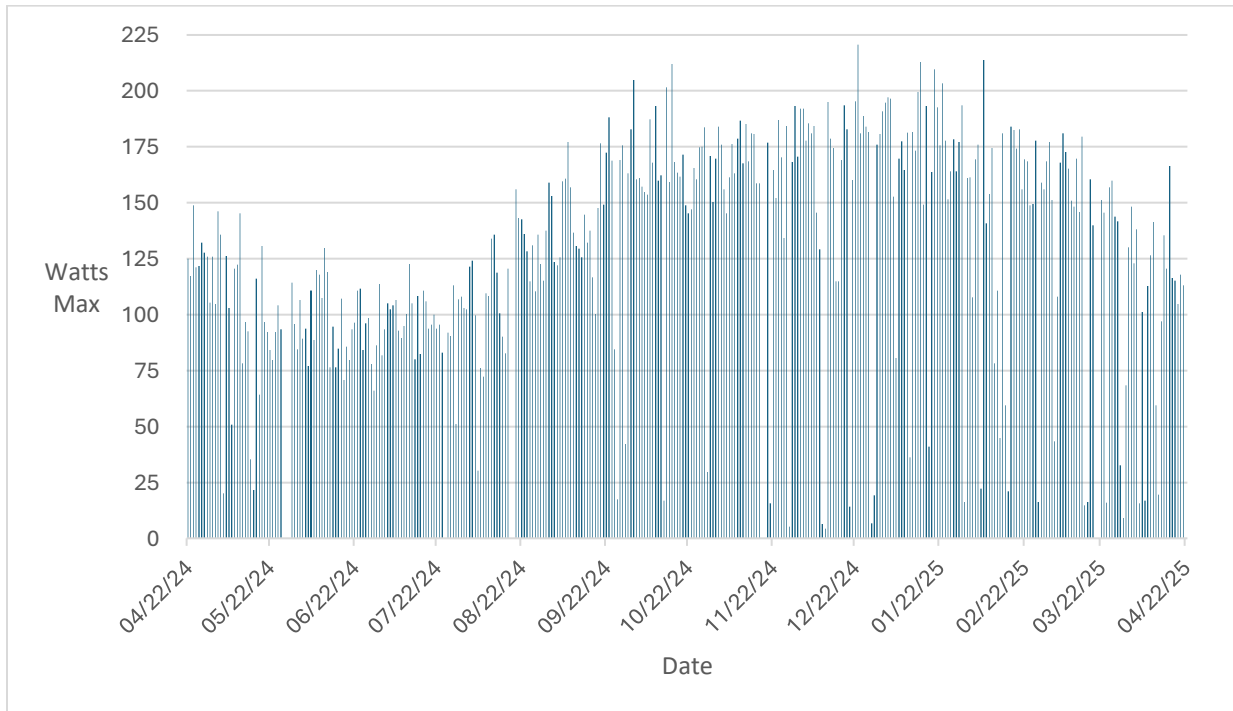
To learn more about SolaBlock, click [here](#).



Image: SolaBlock’s SMU Test Wall in Chicopee MA



Image: Renderings of SolaBlock and Fort Miller Group's Highway Sound Barrier Wall



Graph: SolaBlock's Test Wall Performance Data 4/22/24-4/22/25