TECHNICAL ASSISTANCE REQUEST (2 pages, including images, will be made public)

Provide a two-page description of the unique challenges and needs a national lab, private facility, and/or member of the American-Made Network could potentially help you resolve. The Prize Administrator will make this request broadly available so members of the American-Made Network can understand your needs and assist you through the voucher program or otherwise.

Our plan is to test the first embodiment of our tool in-house with modules assembled using our facilities. Subsequently we plan to evaluate glass-glass modules from Hanwha QCells production line – see letter of commitment.

Aging of solar modules until delamination can be very time intensive. As a university our climate chambers are small and mainly used for specific project related experiments and not constantly running at STC conditions (tests of interest are damp heat, humidity freeze, UV exposure). We would request under this TAR access to accelerated testing chambers. Specifically, we envision placing mini-modules (about 20x20 cm^2) into the climate chambers at NREL.

Simultaneously, we will request access to fielded modules as we advanced in our development to test the applicability of our tool on the field.