From: **Mark Walker** markj.walker@me.com
Subject:
Date: December 9, 2019 at 10:24 PM
To:

TECHNICAL ASSISTANCE REQUEST

Dept. of Energy Labs, academic research labs, private facilities and members of the American-Made Network will be critical to resolve the several challenges which need to be addressed and resolved in a timely fashion to meet the guidelines of this program. Research into the best photovoltaic materials, coatings or other covering materials will need to be more robust than that of flat photovoltaic cells currently available.

Producing materials which are curved to fit a seat back and other areas of a seat is a novel challenge, something not previously created, while creating the wiring schematics for large venues also provides new challenges. Solving these issues will lead to terrific commercialization opportunities for domestic manufacturers, both here at home and around the world, where an estimated 70,000,000 seats exist.

Testing materials using software programs designed to measure circuits will speed the process but currently there is no budget nor institutions we may call upon at the present time. Such testing is important as such software may answer many questions about design and materials before more time and money are spent.

Vouchers and partners from the American-Made Network will be key if implementation of this program is to be successful.
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.