Title: Translucent Solar Panel for Greenhouse Farming

Competitor: DWP Energy Solutions, LLC

Technical Assistance Request:

1. Our photo spectrometer can only measure normal transmission. We would like to have reflectance and transmittance spectrum measurements with an integrating sphere at various incident angles. NREL should be able to help.
2. Capability to deposit multiple sets of repeating thin layer of SiO2, Al2O3, Ta2O5 and the like on flexible plastic substrate at least 300-mm wide and meters long with good adhesion. A capability to create or add surface texturing is also desired.
3. When we move beyond small-scale demonstration, we would like to partner with solar panel manufacturer to produce the bifacial Si panels.