



# HEROX Solar Prize 7 Technical Request

The Couillard Canopy product represents a significant technical and social solar advancement, beautifying solar energy's public image while creating a safe, desirable product for installers and owners.

As part of our application, these are the areas of support from the American Made network and DOE laboratories in this Ready! round of the solar prize that we feel would be the most beneficial for the successful launch of our product.

Technical support for our new product can include:

- Legal intellectual property and business documentation support
  - Patent IP
  - Warranty
  - Contracts
- Structural engineering
  - Base structure footings/concrete slab specifications
- Structural testing of canopy components
  - Ladder rails
  - Structure Clamps
  - Gutters
  - End-Bars
  - Cinch rails
- Code-related consulting
  - IBC, IFC, IEC, NFPA, UBC
- Third-party certification consulting on which additional certifications we need to comply with
- Third-party certification of structure components in compliance with
  - UL2703, mounting, clamping systems and devices
  - UL2020, ground fault
  - ANSI/UL263/UL13381, structure
  - UL 467, grounding
  - UL 96A, Lightning
- Field-Testing procedure support for canopy, structure and amendments thereof