

## Technical Assistance Request

We need help in the following areas:

### National Lab

**Personnel with knowledge base in Thermal Energy Storage Technologies (TES), preferably at NREL's Concentrating Solar Power Office, Golden.**

Knowledge in:

- TES storage materials information
- TES insulation used for high temperature materials
- Cost of Thermal Storage systems
- How to reduce cost for residential market
- Access to CAD
- Access to Thermal simulation and Analysis software

### Access to lab during building and testing of Proof of Concept and Prototyping

Lab test equipment:

- Power supply
- High amp measuring multimeter
- Air flow meters
- High temperature measurement equipment
- Thermal camera
- Internet access, to test remote access to our TES
- Ability to deliver 120 or 240V at high amps (preferably as high as 240V, 30A)

### Fabrication of POC and Prototype (if not available at National labs, Denver Area)

- Metal forming
- Welding
- Machine shop

### Business

- Advice on how to go about gathering market need, customer needs of product, survey
- Acquiring users for testing of prototype
- Marketing of product
- Expanding funding after Go! Demo Day
- Product design expertise
- Advice on commercialization of product, from design to commercialization
- Advice on manufacturing of products in the USA