

Technical Assistance Request – CapSOL

Development towards Commercialization

1. **NREL and/or Sandia (PSEL)** – Technical assistance is requested to determine performance metrics such as net solar output performance. Identifying the power output of CapSOL compared to equivalent monofacial and bifacial modules of the same rating will provide data needed for performance ratings and for marketing/promotion. Quantifying the performance of effective harvesting of reflected, diffuse, and concentrated light will help us demonstrate the true value of our unique design.
2. **NREL** – Technical assistance is requested to calculate overall cost savings of fabrication, installation, and maintenance of CapSOL compared with traditional solar modules.
3. **LBNL** – Technical assistance is requested to help optimize the optical performance of CapSOL’s dome-shaped lens.
4. **LBNL** – Technical assistance is requested to determine CapSOL’s wind/storm resistance compared to traditional solar modules.
5. **NREL** – Technical assistance is requested to determine the potential of licensing of flexible thin-film photovoltaic IP and method for direct application on cylindrical structure.
6. **NREL (CNGMD)** – Technical assistance requested to determine the potential of prototyping multi-layer flexible thin-film photovoltaic material (CIGS and CZTSSe layers).
7. **Connectors** – Technical assistance requested for help with Market research, product distribution partner opportunities, and to **assist with a cooperative agreement with federal labs**