



SOLAR ENERGY PROGRAM

ENERGY SAVINGS AND DESIGNED OUTPUT REPORT (ES&D)

Customer shall provide an Energy Savings and Designed Output (ES&D) report as part of the application. This report shall provide a description of the system and major components, designed performance, system output, identify applicable standards and/or codes used in the system design, and a brief history of the components used in similar applications. The ES&D report must include either a testing certification for a substantially similar system prepared by a publicly funded laboratory or an engineering report stamped by a registered professional engineer. Reports referencing substantially similar systems that have been previously stamped may be accepted at the discretion of SRP. The report should include an executive summary that is supported with documentation that includes at least the following:

- Description of System
 - Site plan
 - Piping and Instrument Diagram (P&ID)
 - One line diagram
 - Component specification sheets including: solar panel(s), rack(s) if applicable, controller, pump(s), pipe, pipe supports, roof type
 - BTU meter
- System performance
 - Evaluation spreadsheet(s)
 - Current load and estimated solar fraction
 - PE Stamp
 - Angle of inclination and orientation
- Contracts and Permits
 - Invoice
 - Liability insurance
 - Business License
 - Building permit
 - AZ RoC License number