MILO SOLAR SYSTEM

CLIENT: Confidential

LOCATION: Milo, Maine

PROJECT DETAILS

RLC provided engineering services that developed the preliminary engineering documents necessary for the submittals of the Utility Interconnection Application and the Annual Energy Production Report. This work is for a solar system that will utilize more than 100 acres of land for development. The initial project was to provide conceptual documentation of a proposed minimum 7.5 MWac photovoltaic based generation facility, which has expanded in physical area and output to a potential 20 MWac site.

SCOPE OF SERVICES

- Local Utility Interconnection Application
  - Generated Site Plan
  - Created Initial PV Panel Layout
  - Defined Major Equipment Locations
  - Identified Point of Common Coupling (PCC)
  - Created One Line Diagram – Includes System Summary Table
  - Developed Typical Solar Array – Inverters, Panels, Protection Relays, Transformers, and All Other Necessary Interconnection Compiled Equipment Technical Data Sheets
  - Responded to Utility Questions and Requests – On Application Towards Utility the DG Impact Study Produced PVSyst Model Based Annual Energy Production Report (kWHs/Year Projected Generation)
  - Due to the increased size of the project the interconnection support was changed to an ISONE interconnection application. This support included Modelling support for benchmarking PSCAD to PSSE and incorporation of a power plant controller.
  - Interconnection to a 69kV subtransmission line at the Milo substation was challenging due to the constricted area around the existing substation and a utility existing pole overbuild to get from the site to the substation. RLC provided conceptual design and interconnection integration of the utility, client and ISONE.