

Brian Miller, PE

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Brian is a professional engineer and senior researcher at the National Renewable Energy Lab (NREL) where he helps clients to implement innovative power system projects featuring newly developed technologies and methods based on the latest research findings. He conducts site assessments, modeling, and detailed analysis of complex systems including microgrids. He provides sophisticated consultations and best practices for optimal renewable power, electrical distribution, and energy storage. Brian specializes in hardware-based systems performance testing to successfully prepare for field demonstrations and pilot projects.

Brian retired as a Major in the US Air Force prior to joining NREL. During military service, he excelled as design engineer and project manager on multi-million-dollar projects around the globe, earning substantial recognition for technical merit and leadership. Brian provided secure power systems for national defense facilities, energy consults to the Pentagon, presentations to senior leadership, technical analysis to foreign officials, grid modernization research with Oak Ridge, hydropower implementation in developing nations, and electrical system design/code/safety courses to military bases.

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