

Fort Campbell KENTUCKY

5 MW Solar Array Project



In April 2015, the U. S. Army Corps of Engineers' Engineering and Support Center, Huntsville, Alabama, in coordination with Fort Campbell released a Request for Proposals (RFP) for a 3.1MW Solar array Power Purchase Agreement (PPA) on Fort Campbell, Kentucky. The PPA will complete the installation's requirement for a 5MW solar array.

Project Details

The Fort Campbell project combines a 27-year PPA for a 3.1 MW_{DC} array to be executed through the renewable energy Multiple Award Task Order Contract small business solar pool, and a 10-year UESC with Pennyrite Rural Electric Cooperative Corporation. Pennyrite applied for and was awarded a \$3 million Energy Efficiency/Renewable Energy grant from the State of Kentucky and will use the grant to supplement the cost of constructing the 1.9 MW_{DC} portion of the 5MW solar array.

In 2014, Fort Campbell applied for and received approval for an \$800,000 Department of Energy Federal Energy Management Program AFFECT grant (Assisting Federal Facilities with Energy Conservation Technologies) that will be awarded to the PPA selected developer at task order award. The developer can use the funds to pay down the capital investment for the 3.1MW project.

About Fort Campbell

Located on the Tennessee/Kentucky state line, the 106,700-acre installation possesses a unique capability to deploy mission-ready contingency forces by air, rail, highway and inland waterway. Fort Campbell is the home of the only air assault division in the world, the 101st Airborne Division (Air Assault), as well as two Special Operations Command units: 5th Special Forces Group (Airborne) and the 160th Special Operations Aviation Regiment (Airborne), and several other tenant activities. The post also provides training and mobilization support for Army National Guard and Army Reserve units.

About the U.S. Army Engineering and Support Center, Huntsville

A major element of the U.S. Army Corps of Engineers, the Huntsville Center executes programs and specialized missions worldwide that require unique technical expertise, large acquisitions and centralized program management. Involved in the Army's energy program since the early 1980s, Huntsville Center provides unique energy solutions using third-party financing (Power Purchase Agreements, Energy Savings Performance Contracting and Utility Energy Services Contracting), Energy Conservation Investment Program validation, Commercial Utility Program, Utility Monitoring and Control Systems, energy assessments, metering and energy planning.

About Louisville District

The Louisville District U.S. Army Corps of Engineers covers more than 306,000 square miles and supports the Army, Air Force and other Department of Defense agencies in Illinois, Indiana, Kentucky, Michigan and Ohio. The district serves 7 Army Installations, 5 Air Force Installations, 3 DOD sites, 6 BRAC sites and provides worldwide support to Army Reserve Centers.



Fort Campbell has identified 25 acres of land formerly used as a landfill for the solar photovoltaic array project. The contractor will finance, design, build, operate, own and maintain the renewable energy generation facility on the identified land leased from Fort Campbell.

Through the PPA, the Army offers to purchase the on-site generated renewable electricity for up to 27 years in accordance with the terms and conditions stipulated in the resulting contract.

The Engineering and Support Center, Huntsville is providing project management oversight in coordination with the Fort Campbell Directorate of Public Works and Louisville District Army Corps of Engineers Real Estate Division. The project will bring the Army closer to its commitment to deploying 1 gigawatt of renewable energy generation by 2025 and Fort Campbell will become more resilient by enabling the installation to rely less on the existing commercial power grid.

Fort Campbell Projected Solar Field Area

