

ANNISTON ARMY DEPOT, ALABAMA SOLAR ENERGY PROJECT

PROVIDES ONSITE GENERATION, SUPPLY DIVERSITY & MICROGRID COMPATIBILITY

Energy resilience is critical to Army Readiness. The homeland is no longer a sanctuary.¹ The Army is modernizing its installations with energy solutions that are resilient, efficient, and affordable.

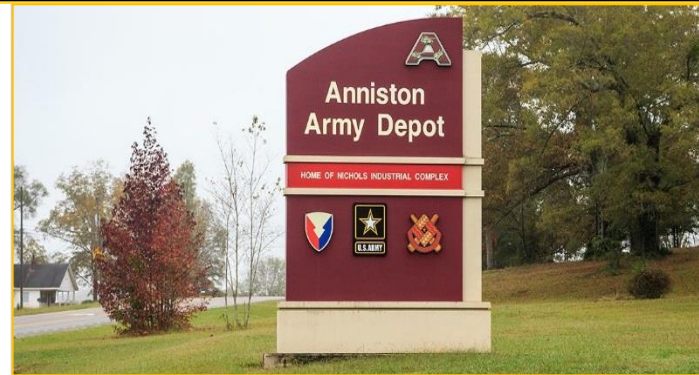
The U.S. Army Office of Energy Initiatives (OEI) and Anniston Army Depot collaborated with the Alabama Power Company (APC) to develop a 7 megawatt (MW) alternating current (AC)² solar energy project at Anniston Army Depot, Alabama. In August 2017, the project became fully operational, providing onsite generation, supply diversity and microgrid compatibility.

This project is one of three large-scale energy generation projects on Army installations in Alabama. Other projects include a 10 MW solar project at Fort Rucker and a 10 MW solar and battery storage project at Redstone Arsenal.

About Anniston Army Depot

Constructed in 1941, Anniston Army Depot has served our nation for almost 80 years. Anniston Army Depot is a premier Army maintenance center and munitions storage site, occupying more than 25 square miles of land. The installation has more than 15,000 acres and over 10 million square feet of buildings. Anniston has a long history; the Depot has transformed from a storage depot into a state-of-the-market maintenance facility. It is most often recognized for its heavy combat vehicle, small arms weaponry, and locomotive expertise.

Anniston Army Depot is a designated Center of Industrial and Technical Excellence. The Depot manages tracked and wheeled ground combat vehicles (minus Bradley), locomotives and rail equipment, towed and self-propelled artillery, assault bridging systems, individual and crew-served small caliber weapons, and non-tactical generators. The installation is postured to respond globally with world-class forces.



Project Details

- The 7 MW project is comprised of more than 87,000 solar panels on 3 different sites, approximately 90 acres, on the installation.
- The plant provides a clean power generation source on the installation, reduces potential supply line disruptions, and improves energy security and resilience of the power grid.
- The project is microgrid compatible. A FY20 Energy Resilience and Conservation Investment Program (ERCIP) project will be incorporated to provide energy resilience through "islandable" capabilities.
- The Army and APC, owned by Southern Company, entered into a 30-year easement for the property.
- APC developed, financed, designed, installed, owns, operates, and maintains the large-scale solar energy generation project.
- Energy generated by the project is delivered to the grid as part of APC's wholesale portfolio.
- Anniston Army Depot procures power from APC through the existing General Services Administration (GSA) Areawide contract.
- This project generates enough energy annually to power about 1,600 homes for a year. It also employed about 100 people during construction and created 2 full time positions for operations and maintenance.



ANNISTON ARMY DEPOT, ALABAMA

About Army Office of Energy Initiatives

The Army OEI seeks to assist Army installations in optimizing operations, meeting mission essential requirements, mitigating vulnerabilities, and sustaining critical capabilities during any energy disruption. The Army OEI is aligned under the Assistant Secretary of the Army for Installations, Energy and Environment and the Deputy Assistant Secretary of the Army for Energy and Sustainability. The Army OEI serves as the Army's central program management office for the development, implementation, and oversight of privately financed, large-scale, energy projects focused on enhancing energy resilience, energy security, and sustainability on Army installations. Army OEI collaborates with industry, public utilities, and other stakeholders to implement projects using alternate resourcing strategies that provide energy generation, storage, and control capabilities. These "islandable" capabilities can support critical operations in the event of a grid outage, enabling the Army to achieve the levels of mobility and lethality to maintain its tactical and strategic edge. For more information about Army OEI, visit: www.oei.army.mil.

About Mission and Installation Contracting Command

Headquartered at Joint Base San Antonio-Fort Sam Houston, Texas, the Mission and Installation Contracting Command (MICC) is made up of more than 1,500 military and civilian members assigned to 3 contracting support brigades, 1 field directorate office, and 32 contracting offices throughout the continental United States and Puerto Rico. MICC supports Army Commands, installations, and activities with disciplined and responsive contracting solutions and oversight. It also, on order, aligns and provides contracting forces in order to enable Army Unified Land Operations.

About U.S. Army Corps of Engineers

The U.S. Army Corps of Engineers (USACE) has approximately 37,000 dedicated Civilians and Soldiers delivering engineering services to customers in more than 130 countries worldwide. USACE's mission is to deliver vital public and military engineering services; partnering in peace and war to strengthen our Nation's security, energize the economy and reduce risks from disasters, and with a vision of engineering solutions for our Nation's toughest challenges.

About Alabama Power Company

Alabama Power Company provides the valuable combination of competitive prices, reliable electricity supply, and unparalleled service to more than 1.4 million homes, businesses, and industries in the southern two-thirds of Alabama. It is one of four U.S. utilities operated by Southern Company (NYSE:SO) and one of the nation's largest producers of electricity. Learn more at www.alabamapower.com.



The 16.5-acre Buffalo Pen Parcel is 1 of 3 project sites at Anniston Army Depot, Alabama.

¹ 2018 National Defense Strategy

² Alternating Current (AC) is provided to consumers. Inverters convert the direct current (DC) from solar panels to AC and losses occur during conversion.

