

EEI Member Company Military Installation Project Examples

Public Service Company of Oklahoma and the U.S. Army

Army and PSO agree to develop a comprehensive energy resiliency project at Fort Sill that provides value to PSO, the Army, and other customers in Oklahoma



Collaborating with the U.S. Army's Office of Energy Initiatives (OEI), the Public Service Company of Oklahoma (PSO), entered into a land use agreement to develop a comprehensive energy resiliency project. Pending state regulatory approval, construction is expected to commence in 2021.

Partnership at a Glance

- Ft. Sill is home to the U.S. Army's FIRES forces and U.S. Army and U.S. Marine Corp artillery schools. The base covers more than 94,000 acres, 80,000 of which is used for training.
- The U.S. Army and PSO signed a lease in June 2020 that grants 81 acres of Army land for PSO to construct, own, operate, and maintain a 36 MW natural gas fired reciprocating internal combustion engine (RICE) power plant and up to a 14 MW solar array.
- The Ft. Sill lease terms are for 30 years with an option for a 10-year extension.
- As in-kind consideration for the lease value of the land, the project would provide 100 percent of the power needed to sustain Ft. Sill's critical mission loads for at least 14 days in the event of a regional outage.
- The plant would provide "self-start" capability, onsite generation, and supply diversity from the RICE plant, solar, and switchgear.
- Under normal grid conditions, the project would serve the community by providing power and improving reliability.
- PSO plans to file with the Oklahoma Corporation Commission in the Fall of 2020.