



## Project Highlight

# U.S. Army Garrison Fort Detrick, MD

AMERESCO 

Large-Scale Solar Facility  
Supports the Army's Goal of  
Deploying One Gigawatt of  
Renewable Energy by 2025

### Technology Type:

Power Purchase Agreement |

Renewable Energy | Solar Photovoltaic

### Solar Panels Installed

59,994

### Energy Project Size

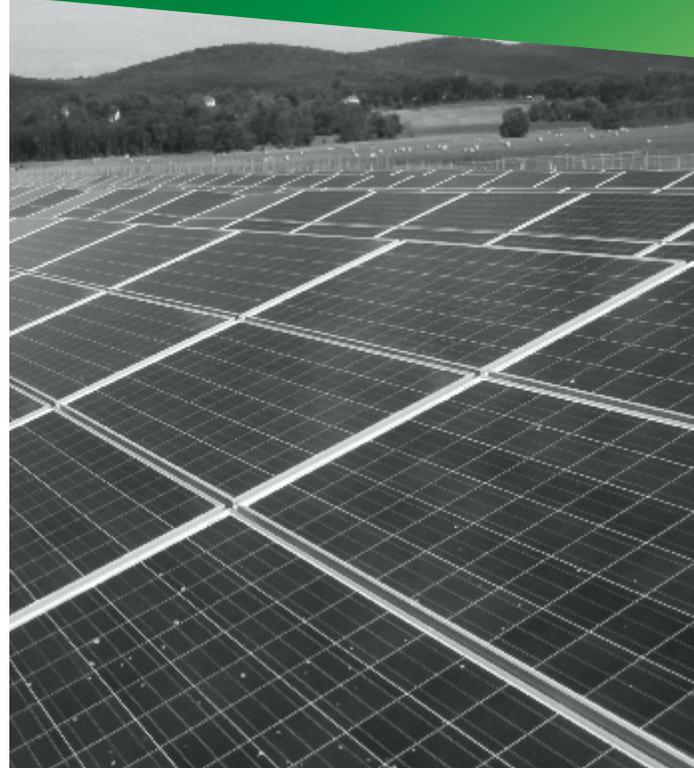
18.6 MW DC

### Annual CO<sub>2</sub> Emissions Reduction

19,000 metric tons

### Annual Electric Load Requirement

12% served



### Summary

The Defense Logistics Agency Energy, in coordination with the U.S. Army Office of Energy Initiatives (OEI) and the U.S. Army Garrison Fort Detrick, selected Ameresco to design, construct, own, and operate an 18.6 megawatt (MW) direct current (15.0 MW alternating current) renewable energy solar facility. Fort Detrick purchases the renewable electricity from Ameresco through a 25-year PPA.



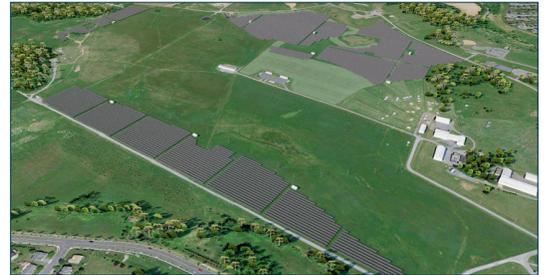
## Solution

Ameresco designed, built, owns, operates, and maintains an 18.6 MW DC solar farm. The large-scale solar facility was installed across 67 acres of land throughout Area B at Fort Detrick. Fort Detrick purchases the renewable electricity from Ameresco through a 25-year Power Purchase Agreement (PPA).

- Installed 59,994 solar panels
- Over 1.25 miles of new 4160 Volt distribution wiring to existing transmission line

“This project is an excellent example of the extraordinary results we can achieve through collaboration. Renewable energy produced on Army installations increases energy security, which is essential to mission effectiveness.”

Honorable Katherine Hammack  
*Assistant Secretary of the Army for Installations,  
Energy, and Environment, U.S. Army*



## Benefits

Fort Detrick will consume all electricity supplied by the facility and will have the economic benefit of purchasing the renewable electricity below current and projected utility rates. The solar facility is designed to be microgrid compatible and will enhance energy security and resiliency for Fort Detrick including the Medical Research and Development Command, the world's largest leading research campus for biological agents that require special containment.

- Serves 12% of Fort Detrick's annual electric load requirements
- Electricity generated is the equivalent of powering 2,720 homes per year
- Annual CO<sub>2</sub> emissions reduction of 19,000 metric tons
- Supports the base in meeting its energy and sustainability goals

Ameresco's team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

