How the Department of Defense Leverages Private Resources to Enhance Energy Security and Save Money on U.S. Military Bases

The U.S. military incurs a \$4 billion energy bill annually operating its bases. To lower energy costs and enhance energy security, the Army, Navy, Air Force, and Marine Corps have initiated effective policies and measures to ensure near- and long-term progress in clean energy installation, including the widespread use of third-party financing wherein private developers assume responsibility for funding and maintaining projects.

The following is a snapshot from research by the Pew project on national security, energy, and climate.

Installation Energy Security Is a Topline Priority Three reasons to prioritize the ability to ensure access to reliable sources of

energy and **deliver it uninterrupted** to meet operational needs on military bases in the United States and abroad:





budget savings

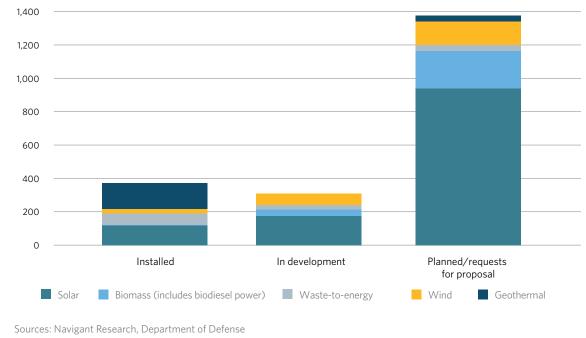


laws and regulations

compliance with

and Planned-by Technology (megawatts)

DOD Renewable Energy Capacity Installed, in Development,



The DOD has developed a comprehensive and strategic **Master Energy**

Clean Energy Policies Ma

Performance Plan to comply with its energy goals, executive orders, and legislation. **Master Energy**



Performance Plan



Increasing on-site electricity generation with renewable energy, through a goal of

conservation and efficiency.

Reducing energy demand through



deploying 3 gigawatts of renewable energy by 2025. DOD Progress Toward Energy Policy Act's 2005 Goals Renewable electricity consumption as a percentage of total installation

electricity consumption

10%



Energy saving performance contracts and **utility energy service contracts**, in which the private-sector partner guarantees that the

security benefits at **little or no upfront cost**. These include:

improvements will generate energy cost savings to pay for the project over the term of the contract.

means of obtaining energy infrastructure enhancements and associated energy

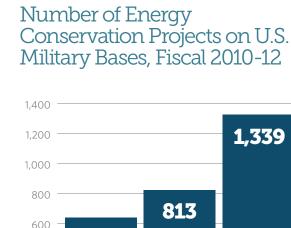


the life of the contract.

For example, efficiency projects at military installations more than doubled, to 1,339 from 630, and renewable energy projects at

Power purchase agreements, or PPAs, will finance an estimated 80 percent of future Defense Department renewable energy projects. These PPAs rely on private developers to finance, build, and maintain projects while saving the military money over

military bases increased by 54 percent, to 700 in fiscal 2012 from 454 in fiscal 2010



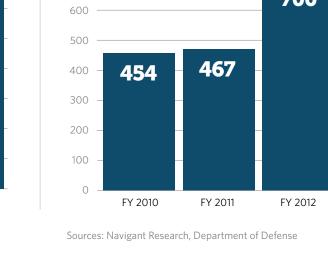
FY 2010

630 400 200

Sources: Navigant Research, Department of Defense

Energy Projects, Fiscal 2010-12 700 **700**

Number of DOD Renewable



For more information, please visit:

FY 2011

FY 2012

pewtrusts.org

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