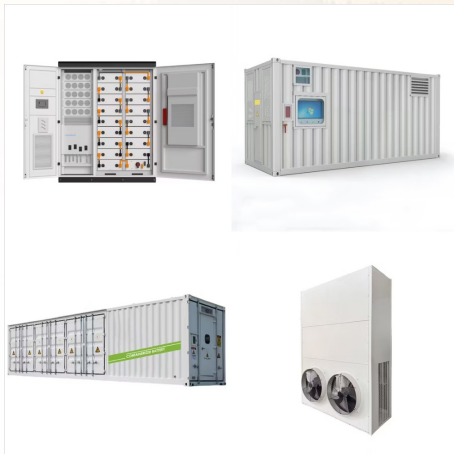




to successfully trim water and energy consumption, divert waste materials and generate renewable energy. The Army is not the only service carrying out a Net Zero policy for installations. The office of the chief of staff for the Air Force issued ???



TYNDALL AIR FORCE BASE, Fla. (AFNS) -- The Air Force is one of the nation's top purchasers of green power, according to the U.S. Environmental Protection Agency's Top 25 list of Green Power Partners released Jan. 31. The Air Force's use of renewable energy ranks number one in the Department of Defense, number two in the federal government, and ???

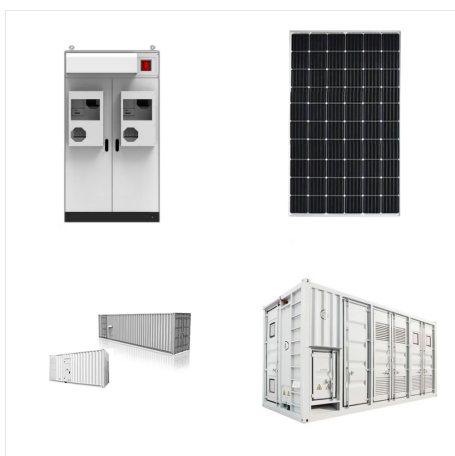


The DOD initiatives are among 31 projects across 11 federal agencies to receive more than \$104 million in total funding under the first Air Force Office of Energy Assurance, Indian Springs

AIR FORCE RENEWABLE ENERGY INITIATIVES



The Department of the Air Force has launched a series of pilot initiatives across the enterprise to explore electrification, carbon pollution-free procurement, and innovative energy technologies to build resilience for ???



The Air Force has incorporated solar energy at several installations and is moving forward with projects at other locations that will reduce reliance on fossil fuels and provide renewable, cleaner energy. The largest ground-mounted solar array project constructed on an Air Force installation sits on 2,600 acres at Edwards Air Force Base



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AIR FORCE RENEWABLE ENERGY INITIATIVES



The Air Force Office of Energy Assurance (AF OEA) faces energy challenges head on with impactful solutions that close energy resilience gaps and strengthen our nation's Air Force and Space Force installations at home and abroad.



Energy Awareness Initiatives Another Energy Awareness Month (EAM) is behind us. Now it's time to evaluate our culture change initiatives, assess their effectiveness, and share the good ideas through EAM After-Action Reports. MAJCOMs are compiling their reports and must submit them to the Air Force Energy Office (SAF/IEN) by December 16.



This is one of the largest of the Air Force's "green" initiatives to date, with many more projects being planned, said Secretary Anderson. "Nellis is now generating 14 megawatts of clean, renewable energy--energy that meets the demands and the needs of Nellis AFB," Governor Gibbons continued. "More importantly, its meeting the future. It's

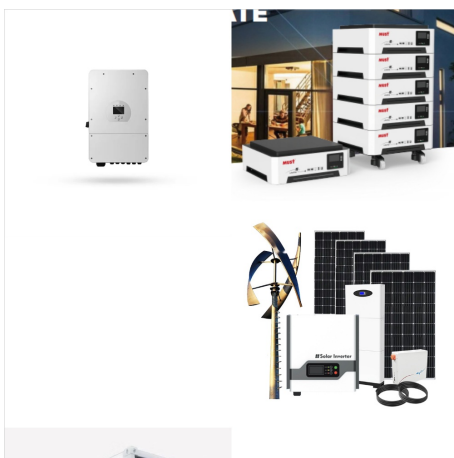
AIR FORCE RENEWABLE ENERGY INITIATIVES



A renewable energy certificate, or REC, means the technology and environmental (non- energy) attributes that represent proof that 1 megawatt-hour (MWh) of electricity was generated from an eligible renewable energy resource, can be sold separately from the underlying generic electricity with which it is associated. (Sec. VII of M-22-06)



The Department of the Air Force invests in alternative energy technologies that help strengthen installation and grid resilience, while reducing its environmental footprint. The department has 337 active renewable energy ???

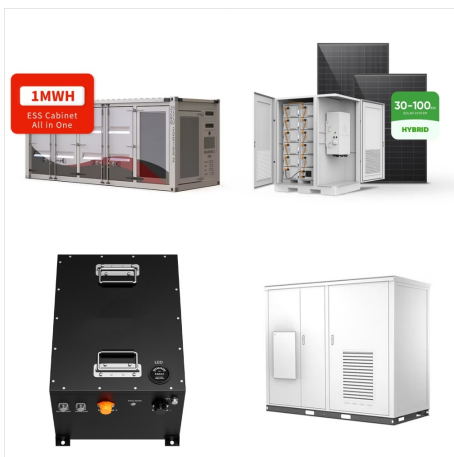


The Air Force Civil Engineer Center has a significant role in climate change initiatives intended to enhance resiliency at Air Force installations by addressing the risks severe weather poses to infrastructure, operational capabilities and readiness as outlined in the Department of the Air Force Climate Campaign Plan. (U.S. Air Force courtesy

AIR FORCE RENEWABLE ENERGY INITIATIVES



Assistant Secretary of the Air Force Installations, Environment, and Energy Department of the Air Force Installation Energy Strategic Plan 1 As the National Defense Strategy makes clear, the homeland is no longer a sanctuary. Warfare has changed, challenging our traditional methods to ensure mission success.



sources. Subsection B of Part I will address specific Air Force energy constraints and how these issues have affected the agency's ability to meet its RE goals thus far. Subsection C of Part I will discuss existing Air Force renewable energy initiatives as described by the Air Force Civil Engineers Command (AFCEC). 11 "],.

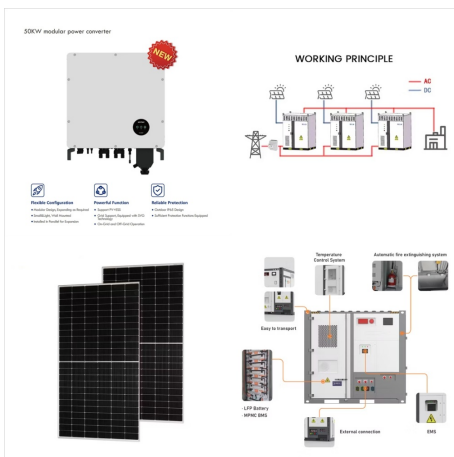


The Air Force is the largest user of fuel energy in the federal government. The Air Force uses 10% of the nation's aviation fuel. (JP-8 accounts for nearly 90% of its fuels.) This fuel usage breaks down as such: 82% jet fuel, 16% facility management and 2% ground vehicle/equipment. [4] To meet renewable energy goals, the Air Force plans to certify its entire fleet on coal-to-liquid ???

AIR FORCE RENEWABLE ENERGY INITIATIVES



With awareness of emerging threats, the department is "Powering Possibility" by investing in critical capabilities, innovative technologies, and aircraft modernization that builds ???



increasing the use of renewable energy, but has not adopted any specific alternative fuel goals. The Air Force goals are to test and certify all aircraft and systems on a 50:50 alternative fuel blend by 2012, and to be prepared to acquire 50% of the Air Force's domestic aviation fuel as an alternative fuel blend by 2016.

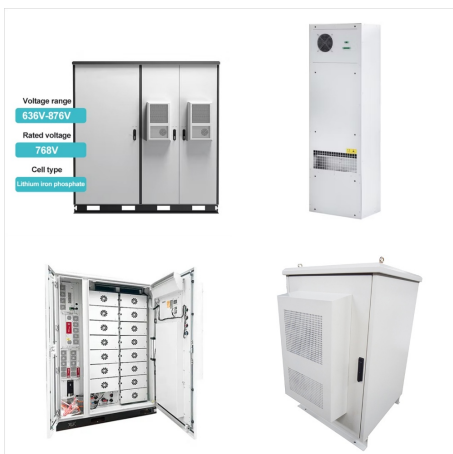


The Air Force Civil Engineer Center has a significant role in climate change initiatives intended to enhance resiliency at Air Force installations by addressing the risks severe weather poses to infrastructure, operational ???

AIR FORCE RENEWABLE ENERGY INITIATIVES



Energy and water resilience enables Army readiness. The Army is working to develop comprehensive energy and water resilience solutions for installations by utilizing acquisition and real estate authorities and leveraging private investor interests to minimize potential disruptions, reduce resource demand, and secure alternative sources of energy and water.



The Air Force Office of Energy Assurance (AF OEA) faces energy challenges head on with impactful solutions that close energy resilience gaps and strengthen our nation's Air Force and Space Force installations at home and abroad. By leveraging the expertise of the energy community, AF OEA builds tailored energy solutions for each installation



A goal set forth by The Air Force's energy plan includes demonstrating leadership in the development of cutting edge in the arenas of renewable energy, alternative fuels, advanced design systems, and sustainability. Adding if Airmen embraced proposed energy saving initiatives, it would make each process implementation much easier.

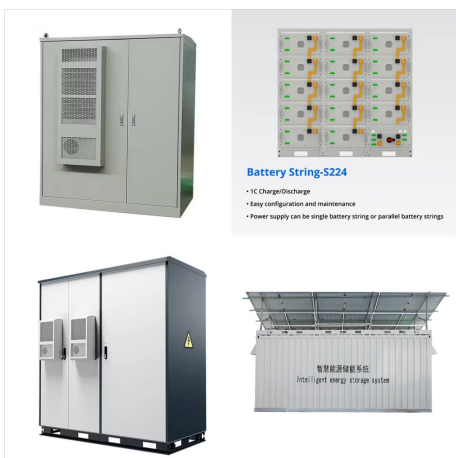
AIR FORCE RENEWABLE ENERGY INITIATIVES



The Department of the Air Force recently released its Climate Action Plan, formulated in foresight and response to climate change and its reshaping of the increasingly complex global security environment. DAF installations are already implementing innovative solutions and pilot programs to meet the goals outlined in the plan, bolstering mission ???



The Air Force Office of Energy Assurance (AF OEA) faces energy challenges head on with impactful solutions that close energy resilience gaps and strengthen our nation's Air Force and Space Force installations at home and abroad. By ???



Department of the Air Force installations are implementing innovative Climate Action Plan solutions and pilot programs to meet the goals outlined in the plan, bolstering mission readiness through installation energy ???

AIR FORCE RENEWABLE ENERGY INITIATIVES



DOD is currently exploring renewable energy initiatives and nuclear possibilities, such as small modular reactor (SMR) technology, which could offer options for energy independence that are scalable and environmentally friendly. But the sheer lack of nuclear incidents in current Navy and Air Force facilities is a direct indication that



Department of the Air Force (DAF) energy and water projects are transforming the ways in which we use energy and water at installations. To ensure a reliable, ready, and resilient supply continues, the DAF Installation Energy Program is integrating energy and water considerations across the enterprise by focusing on the following initiatives:



The Department of the Air Force invests in alternative energy technologies that help strengthen installation and grid resilience while reducing its environmental footprint. The department has 337 active renewable energy projects across 115 but significant fraction of ongoing initiatives across the Department of the Air Force. This Earth Day

AIR FORCE RENEWABLE ENERGY INITIATIVES



Table 2: Number of Subagencies with Renewable Energy Initiatives at Agencies with 50 or Fewer Initiatives 15 Table 3: Examples of Initiatives That Support a Broad Range of or Figure 15: Percentage of Air Force Initiatives Supporting Private or Public Sector Recipients, or Both 59 Figure 16: Percentage of Air Force Initiatives by Federal



Linking science, innovation, and policy to transform the world's energy systems. The MIT Energy Initiative, MIT's hub for energy research, education, and outreach, is advancing zero- and low-carbon solutions to combat climate change and expand energy access. Read our ???