



# NET ZERO HIERARCHY



## ENERGY

## PILOT

## INSTALLATIONS

The Army Net Zero approach addresses energy, water and waste at Army installations and is comprised of five interrelated steps:

- Reduction includes maximizing energy efficiency in existing facilities, implementing water conservation practices, and eliminating generation of unnecessary waste.
- Re-purpose involves diverting energy, water or waste to a secondary purpose with limited processes.
- Recycling or composting involves management of the solid waste stream, development of closed loop systems to reclaim water, or cogeneration where two forms of energy (heat and electricity) are created from one source.
- Energy recovery can occur from converting unusable waste to energy, renewable energy or geothermal water sources.
- Disposal is the final step and last resort after the last drop of water, the last bit of thermal energy and all other waste mitigation strategies have been fully exercised.



These are the Net Zero pilot installations. All Army installations are encouraged to continue working toward achieving Net Zero. The Army goal is to have 25 Net Zero Installations by 2030.

The Oregon Army National Guard has volunteered to pilot a unique and challenging Net Zero Energy initiative, which includes all of their installations spread across the entire state.

## NET ZERO ENERGY

- Fort Bliss, TX\*
- Fort Carson, CO\*
- Fort Detrick, MD
- Fort Hunter Liggett, CA
- Kwajalein Atol, RMI
- Parks Reserve Forces TA, CA
- Sierra Army Depot, CA
- West Point, NY

## NET ZERO WATER

- Aberdeen Proving Ground, MD
- Camp Rilea, OR
- Fort Bliss, TX\*
- Fort Buchanan, PR
- Fort Carson, CO\*
- Fort Riley, KS
- JB Lewis-McChord, WA
- Tobyhanna Army Depot, PA

## NET ZERO WASTE

- Fort Bliss, TX\*
- Fort Carson, CO\*
- Fort Detrick, MD
- Fort Hood, TX
- Fort Hunter Liggett, CA
- Fort Polk, LA
- JB Lewis-McChord, WA
- USAG Grafenwoehr, Germany

\* Identified as Net Zero Pilot Installations (Energy, Water and Waste)



The Net Zero Energy goal is to produce as much energy on the installation as it uses, over the course of a year.



The Net Zero Water goal is to limit use of potable fresh water and capture, repurpose or recharge an amount of water equal to or greater than the amount of water the installation consumes.



The Net Zero Waste goal requires considering the waste stream when purchasing items, reducing the volume of packaging, reusing as much as possible, and recycling the rest.

# Net Zero is a Force Multiplier



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