



## 2018 Secretary of Defense Environmental Awards Environmental Quality, Non-Industrial Installation Award

Each year since 1962, the Secretary of Defense has honored installations, teams, and individuals for outstanding conservation achievements, innovative environmental practices, and partnerships that improve quality of life and promote efficiencies without compromising the Department of Defense's (DoD) mission success. The 2018 Secretary of Defense Environmental Awards cycle encompasses an achievement period from October 1, 2015 through September 30, 2017 (Fiscal Year (FY) 2016-2017). A diverse panel of 63 judges with relevant expertise representing Federal and state agencies, academia, and the private sector evaluated all nominees to select one winner for each of the nine categories that cover six subject areas: natural resources conservation, environmental quality, sustainability, environmental restoration, cultural resources management, and environmental excellence in weapon system acquisition.

### About the Environmental Quality, Non-Industrial Installation Award

The Environmental Quality, Non-Industrial Installation award recognizes efforts by non-industrial installations to ensure mission accomplishment and the protection of human health in the areas of environmental planning, waste management, and compliance with environmental laws and regulations (e.g., Clean Air Act, Clean Water Act, Safe Drinking Water Act). Meeting or exceeding all environmental requirements not only enhances the protection of our environmental assets, but also sustains DoD's ability to effectively train and maintain readiness. The 2018 winner of the Environmental Quality, Non-Industrial Installation award is *Fort Hood, Texas*.

### About Fort Hood, Texas

Fort Hood is located in Killeen, Texas, and is home to III Corps Headquarters, 1st Cavalry Division, 1st Army Division West, 13th Sustainment Command (Expeditionary), several separate brigades, and a host of brigade and battalion-sized tenant units and organizations. The installation supports a population of 379,232 individuals including retirees, survivors, family members, the on-post population, and the off-post family members. The installation's range and training areas encompass 196,797 acres and provide state-of-the-art training opportunities for mechanized maneuvers, small training exercises, combined arms training, and live-fire training. As one of two active Primary Mobilization Force Generation Installations in the Army, Fort Hood provides continuous Active and Reserve Component power projection, combat preparation, post-mobilization training, sustainment capabilities, and pre-mobilization training support. Fort Hood has created a variety of policies, programs, and projects that balance mission readiness and environmental stewardship across the installation. With the support of military and civilian leaders, Fort Hood is implementing best practices in support of the Net Zero philosophy, building a framework to facilitate change and improving relationships with stakeholders.



*Fort Hood employees haul away debris and scrap metal set props collected from the National Geographic miniseries, "The Long Road Home." Fort Hood recycled 15,100 pounds of scrap providing for \$189,000 of recycle proceeds reinvested back into the installation in FY 2016-2017 to sponsor 32 Family and Soldier events.*

## Major Accomplishments in FY 2016-2017

- Fort Hood exceeded its Qualified Recycling Program (QRP) goals by selling 10.701 million pounds of recyclable materials generating a gross revenue of \$1.043 million in FY 2016, and selling 16.516 million pounds generating \$1.699 million in FY 2017. The installation also upgraded its mechanical equipment and completed renovations to support a single-stream recycling system to increase the QRP's processing capacity from 1.4 million to 3 million pounds per month.
- The installation surpassed renewable energy goals by accounting for 15.10% of total building energy with renewable electric energy and/or alternative energy. Fort Hood installed a 15 megawatt (MW) solar photovoltaic array and 21 wind turbines off-base in west Texas all generating 50 MWs. This energy project will account for more than 40% of the installation's annual energy usage.
- Fort Hood exceeded water intensity goals with a 55.53% water use reduction in FY 2017. The installation implemented water conservation efforts including auto flushers with chlorine analyzers, water line looping, a Supervisory Control and Data Acquisition System, automated flow control valves, and elevated storage tank mixing. These efforts will have a lifetime water cost savings of \$5.197 million, with a return on investment in 4.07 years.
- In FY 2016, personnel conducted 1,205 environmental assistance visits, 225 formal assessments, 263 courtesy assessments, and trained 3,982 individuals in how the installation's environmental policies and regulations apply to them. In FY 2017, personnel conducted another 1,125 environmental assistance visits, 200 formal assessments, 169 courtesy assessments, and trained 4,728 individuals. The installation recognized 32 of the top civilian individuals, civilian activities, military individuals, and military units with Environmental Stewardship Awards.
- Fort Hood connected with 139,051 individuals in FY 2016 and 161,257 individuals in FY 2017 through outreach events such as the Keep Copperas Cove Beautiful Eco-Harvest, City of Killeen Geographic Information Systems Day, National Night Out, Fort Hood Earth Day, City of Gatesville Earth Day, Earth Day Texas, and America Recycles Day. These activities allow the installation to build positive relationships with the community while supporting the military mission.



*Robert Trejo, Zoomagination, describes the life of several animals to 1,041 students during Fort Hood's annual Earth Day event in April 2017. Fort Hood hosted the installation's largest environmental education event called Fort Hood Earth Day that included 670 students from three communities rotating through 24 environmental presentations in FY 2016, and 1,041 students from four different communities rotating through 28 environmental presentations in FY 2017.*



*Spc. Joseph Williams and Sgt. Jose Rentas from the Carl R. Darnall Army Medical Center, discuss Fort Hood's mission readiness and environmental efforts with Junior Reserve Officer Training Corps cadets from John Horn High School in Mesquite, TX. Throughout the year, Fort Hood engages and communicates with employees, stakeholders and external communities via social media, electronic newsletters, the installation's newspaper, briefings, and school and community events.*