



Net Zero

Energy



Water



Waste



Water Conservation and Management - Fort Riley Doing Their Part

Fort Riley was established in 1853 near the confluence of the Smoky Hill and Republican Rivers, which join to create the Kansas River. The Fort was designed to protect traders, travelers, and settlers as they ventured west along the Oregon and Santa Fe Trails. Over the past century-and-a-half, Fort Riley has trained soldiers to defend America. Now, the installation has another challenge – to continue to support their military mission while protecting the rivers the Fort was built upon and the watersheds that feed those rivers. Given that the area receives 32 inches of rain annually and is subject to flash flooding at times, Fort Riley is doing their part to proactively manage stormwater and conduct outreach on the importance of water conservation.

In April of 2011, Fort Riley received the honor of being selected to participate in the Army's Net Zero Initiative as one of six Net Zero Water Pilot Installations. A Net Zero Water Installation limits the consumption of freshwater resources and returns

water back to the same watershed so as not to deplete the groundwater and surface water resources of that region in quantity and quality. While Fort Riley was only recently chosen to be a Net Zero Water Pilot Installation, it has been a leader in water conservation and outreach for some time. The following examples are some of the ways that Fort Riley is protecting the rivers the Fort was built upon and working to achieve the Net Zero Water goals:

- Stormwater best management practices at Fort Riley include monthly construction stormwater inspections, quarterly training on construction stormwater requirements, and various structural stormwater management features throughout the facility, such as the bioretention basin at the Combat Engineer Battalion Complex.
- Fort Riley is partnering with the U.S. Environmental Protection Agency (EPA) Office of Research and Development (ORD) and the Region 7 Office in order to evaluate Net Zero Water opportunities, including technology demonstration projects, appropriate to Fort Riley. This partnership will be conducted in conjunction with Pacific Northwest National Laboratory (PNNL), U.S. Army Corps of Engineers (USACE) Engineer Research and Development Center – Construction Engineering Research Laboratory (ERDC-CERL), and USACE-Kansas City District.
- The Installation's Education and Outreach Program incorporates Net Zero concepts into a variety of briefings given to soldiers and civilians. In addition, water saving strategies are shared through educational articles in the post newspaper, website, housing newsletters, and social media.

Contribution to Net Zero



Fort Riley has a variety of structural stormwater best management practices in place to manage storm water runoff at the installation.